County of Los Angeles

Draft
Environmental Impact Report
SCH No. 2005051143
Volume XIII
Appendix 4.19

MISSION VILLAGE

Prepared for:

Los Angeles County
Department of Regional Planning
320 West Temple Street
Los Angeles, California 90012

Prepared by:

IMPACT SCIENCES, INC.
803 Camarillo Springs Road, Suite A
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Phone: (805) 437-1900

NEWHALL RANCH
Newhall Ranch Company

OCTOBER 2010

County of Los Angeles

Draft Environmental Impact Report
SCH No. 2005051143
Volume XIII
Appendix 4.19

MISSION VILLAGE

Project No.	04-181
Vesting Tentative Tract Map No.	61105
SEA Conditional Use Permit No.	RCUP200500080
Oak Tree Permit No.	ROAK200500032
Oak Tree Permit No.	T200500043
Conditional Use Permit (Off-Site Improvements)	RCUP200500081

Substantial Conformance Determinations for
Grading and Hillside Management Guidelines

NEWHALL RANCH
Newhall Ranch Company

Prepared for:

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OCTOBER 2010

DRAFT
ENVIRONMENTAL IMPACT REPORT
for
MISSION VILLAGE

SCH No. 2005051143

County Project No. 04-181
Vesting Tentative Tract Map No. 61105
SEA Conditional Use Permit No. RCUP200500080
Oak Tree Permit No. ROAK200500032

Oak Tree Permit No. T200500043
Conditional Use Permit RCUP200500081
(Off-Site Improvements)

Volume XIII
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October 2010

TABLE OF CONTENTS

Volume I

Section			Page
Introduction			I-1
Executive Summary			ES-1
1.0	Project Description		1.0-1
2.0	Environmental and Regulatory Setting		2.0-1
3.0	Cumulative Impact Analysis Methodology		3.0-1
4.0	Environmental Impact Analysis		4.0-1
	4.1	Geotechnical and Soil Resources	4.1-1
	4.2	Hydrology	4.2-1
	4.3	Biota	4.3-1
	4.4	Visual Qualities	4.4-1

Volume II

	4.5	Traffic/Access	4.5-1
	4.6	Noise	4.6-1
	4.7	Air Quality	4.7-1
	4.8	Water Service	4.8-1
	4.9	Wastewater Disposal	4.9-1
	4.10	Solid Waste Services	4.10-1
	4.11	Sheriff Services	4.11-1
	4.12	Fire Protection Services	4.12-1
	4.13	Education	4.13-1
	4.14	Parks and Recreation	4.14-1
	4.15	Library Services	4.15-1
	4.16	Agricultural Resources	4.16-1
	4.17	Utilities	4.17-1
	4.18	Mineral Resources	4.18-1
	4.19	Environmental Safety	4.19-1
	4.20	Cultural/Paleontological Resources	4.20-1
	4.21	Floodplain Modifications	4.21-1
	4.22	Water Quality	4.22-1
	4.23	Global Climate Change	4.23-1
5.0	Project Alternatives		5.0-1
6.0	Significant Irreversible Environmental Changes		6.0-1
7.0	Growth-Inducing Impacts		7.0-1
8.0	List of EIR Preparers, and Organizations/Persons Consulted		9.0-1
9.0	References		10.0-1

LIST OF APPENDICES

Volume III

Appendix I Initial Study/Notice of Preparation (NOP), and NOP Comment Letters
Initial Study/Notice of Preparation (NOP)
NOP Comment Letters

Appendix 1.0 Project Description Documentation
Vesting Tentative Tract Map No. 61105
Newhall Ranch Fiscal Impact Analysis, September 2006
Selected Exhibits and Tables from the Newhall Ranch Specific Plan

Appendix 2.0 Specific Plan Consistency Analysis, September 20, 2010

Appendix 3.0 Cumulative Impact Analysis Methodology
Development Monitoring System Database

Appendix 4.1 Geologic Reports
Geologic Report – Fault Investigation for Airport Mesa Area, Portion of Mesas East VTTM 61105, Newhall Ranch
Geologic and Geotechnical Report, Review of Vesting Tentative Tract Map 61105

Volume IV

Appendix 4.1 Geologic Reports (continued)
Geologic and Geotechnical Report, Review of Vesting Tentative Tract Map 61105 (continued)
Geologic and Geotechnical Report – Addendum No. 1, Response to Los Angeles County Geologic Review Sheet
Geologic and Geotechnical Report – Addendum No. 2, Response to Los Angeles County Geologic Review Sheet, January 26, 2005
Preliminary Geologic/Geotechnical Report, Review of Utility Corridor Plans (30% Submittal), Utility Corridor Along Highway 126, Newhall Ranch WRP Site to Travel Village, Castaic, May 25, 2007
Geologic and Geotechnical Report – Addendum No. 3, Response to Los Angeles County Geologic Review Sheet, September 17, 2007
Geologic and Geotechnical Report – Addendum No. 4, Response to Los Angeles County Geologic Review Sheet date January 16, 2008; March 13, 2008
Geologic and Geotechnical Report, Review Revised Vesting Tentative Tract Map 53108, December 21, 2009

Volume V

Appendix 4.1 Geologic Reports (continued)
Leighton and Associates, Inc., Geotechnical Report, Off-Site Grading for Proposed Southern California Edison Substation Alternatives, Responses to County of Los Angeles, Department of Public Works Geologic and Soils Engineering Review Sheets for TTM No. 61105 (Mission Village Project), November 26, 2007

LIST OF APPENDICES (continued)

Volume V (continued)

Appendix 4.1 Geologic Reports (continued)

Leighton and Associates, Inc., Responses to County of Los Angeles, Department of Public Works Geologic and Soils Engineering Review Sheets for Leighton's Geotechnical Report Off-Site Grading for Proposed Southern California Edison Substation Alternatives, March 11, 2008

Leighton and Associates, Inc., 100-Scale Grading Plan Review of Offsite Grading for Proposed Southern California Edison Substation Alternatives 1 and 2 March 2010, Vesting Tentative Tract Map 61105, County of Los Angeles March 16, 2010

R.T. Frankian & Associates, Evaluation of Building Setbacks, Airport Mesa (Area E1), Vesting Tentative Tract 61105, Newhall Ranch, Los Angeles County, California. October 14, 2009

R.T. Frankian & Associates, 100-Scale Plan Review, Revised Vesting Tentative Tract Map No. 61105, Mission Village, Newhall Ranch, December 21, 2009

R.T. Frankian & Associates, Response to County of Los Angeles Review Sheets and Geotechnical Plan Review, Revised Vesting Tentative Tract Map No. 61105, Mission Village, Newhall Ranch. March 30, 2010

Geologic/Geotechnical Report – EIR-Level Review of Preliminary Grading Study for Western Access Roads to Proposed Mission Village Development (VTTM 61105)

Geologic and Geotechnical Report – Review of Revised VTTM 61105 (Dated 12/21/05) for Screencheck Purposes

Geologic/Geotechnical Evaluation for Environmental Impact Report, Vesting Tentative Tracted Map No. 61105, March 31, 2010

R.T. Frankian & Associates, *Response to County of Los Angeles Review Sheets and Geotechnical Plan Review, Revised Tentative Tract Map No. 61105,* Mission Village, Newhall Ranch. April 29, 2010

Appendix 4.2 Hydrological Reports

Drainage Concept for Mesas VTTM 61105

Flood Technical Report – Santa Clara River, February 2007

Drainage Concept Report for Mission Village Santa Clara River Bank Protection, July 2007

Volume VI

Appendix 4.2 Hydrological Reports (continued)

California Regional Water Quality Control Board, Los Angeles Region, Review of Newhall Ranch Specific Plan Subregional Stormwater Mitigation Plan Letter, May 2008

Request for Conditional Letter of Map Revision, July 2007

Balance Hydrologics, Inc., "Assessment of Potential Impacts Resulting From Cumulative Hydromodification Effects, Selected Reaches of the Santa Clara River, Los Angeles County, California," (October 2005)

Newhall Ranch Santa Clara River Phase I River Fluvial Study, March 2006

LIST OF APPENDICES (continued)

Volume VI (continued)

Appendix 4.3 Biological Reports
California Native Plant Society, Inventory of Rare and Endangered Plants
California Natural Diversity Data Base
Compliance Biology, Inc., "Results of the Focused Western Spadefoot Toad Surveys on the Mission Village Project Site" (2006)
Entrix, Inc., "Focused Special-Status Aquatic Species Assessment – Santa Clara River, Mission Village Project, Newhall Ranch, California" (2006)
Impact Sciences, Inc., "Oak Tree Report: Mission Village VTTM 61105 Los Angeles County, California, March 2010 update" (2010)
Impact Sciences, Inc., "Mission Village VTTM 61105 Project Oak Tree Report, Los Angeles County, California" (2006)
Lemons, P., "Focused California Gnatcatcher Surveys for Mission Village, Los Angeles County, California" (January 26, 2008)
Dudek, "2007 Sensitive Plant Survey Results for the Newhall Ranch Specific Plan Area, Los Angeles County, California" (December 2007)

Appendix 4.5 Traffic Analysis
Mission Village Revised Traffic Impact Analysis, Austin-Foust Associates, Inc., October 2010
Westside Roadway Santa Clarita Valley Phasing Analysis, Austin-Foust Associates, Inc., November 2006
Westside Santa Clarita Valley Phasing Analysis for the City of Santa Clarita, Austin-Foust Associates, Inc., July 2006

Volume VII

Appendix 4.5 Traffic Analysis (continued)
Caltrans EIR/EIS Excerpts
City of Santa Clarita Department of Public Works and Los Angeles County Department of Public Works, Valencia B&T District Report Update, March 2008
City of Santa Clarita Transportation and Engineering Services, Via Princessa Bridge and Major Thoroughfare Construction Fee District Update Report, March 2002

Appendix 4.6 Noise Calculations
Noise Measurement Output Data and Analysis

Appendix 4.7 Air Quality Calculations
SCAQMD Santa Clarita Subregional Analysis, November 2004
Grading, Trenching, and Paving Emissions
Building Construction Emissions
Operational Emissions
CO Hotspots

LIST OF APPENDICES (continued)

Volume VII (continued)

Appendix 4.7 Air Quality Calculations (continued)
Localized Significance Thresholds Analysis
Health Risk Assessment

Appendix 4.8 Water Service Reports
SB 610 Water Supply Assessment
Water Supply Assessment Mission Village Vesting Tentative Tract Map No. 061105, April 2010
2005 Urban Water Management Plan
Los Angeles Superior Court Decision on Riverpark
Santa Barbara Superior Court Decision on West Creek
Newhall Ranch Revised Additional Analysis, Vol VIII

Volume VIII

Appendix 4.8 Water Service Reports (continued)
Nickel Water Contract Documentation
Nickel Environmental Documentation
The State Water Project Deliverability Reliability Report, Public Review Draft, November 16, 2005
The State Water Project Deliverability Reliability Report 2005, Final April 2006
Water Supply Contracts Between the State of California Department of Water Resources and CLWA including Amendment No. 18 (41,000 Acre-Feet Water Transfer)
Valencia Water Company Water Management Program Approved November 29, 2001, and Related CPUC Decisions
2002 Point of Delivery Agreement (Semitropic Groundwater Banking Program), February 13, 2004
California's Groundwater Bulletin 118, Update 2003, October 2003
CLWA Data Document Providing Economic Justification for Proposed Facility Capacity Fees, April 19, 2003
2004 Santa Clarita Valley Water Report, Dated May 2005
2005 Santa Clarita Valley Water Report, Dated April 2006
Results of Laboratory Testing of Valencia Water Company Wells
CH2MHill Memorandum, Effect of Urbanization on Aquifer Recharge in the Santa Clarita Valley, February 22, 2004
CH2MHill Final Report, Regional Groundwater Flow Model for the Santa Clarita Valley (Model Development and Calibration), April 2004
CH2MHill, Calibration Update of the Regional Groundwater Flow Model for the Santa Clarita Valley, Santa Clarita, California, August 2005
CH2MHill Final Report, Analysis of Perchlorate Containment in Groundwater Near the Whittaker-Bermite Property, December 2004
CH2MHill Memorandum, Analysis of Near-Term Groundwater Capture Areas for Production Wells Located near the Whittaker-Bermite Property, December 21, 2004

LIST OF APPENDICES (continued)

Volume IX

Appendix 4.8 Water Service Reports (continued)

Analysis of Groundwater Basin Yield, Upper Santa Clara River Groundwater Basin, East Subbasin, Dated August 2005

Analysis of Groundwater Supplies and Groundwater Basin Yield Upper Santa Clara River Groundwater Basin, East Subbasin (2009 Basin Yield Update)

Draft EIR – Supplemental Water Project Transfer of 41,000 Acre-Feet of State Water Project Table A Amount, Dated June 2004

CLWA Draft Report, Recycled Water Master Plan, May 2002 and CLWA Resolution Regarding Availability of Recycled Water, Approved May 28, 2003

Impact and Response to Perchlorate Contamination, Valencia Water Company Well Q2, Dated April 2005

Groundwater Management Plan, Santa Clara River Valley Groundwater Basin, Dated December 2003

Memorandum of Understanding Between the Santa Clara River Valley Upper Basin Water Purveyors and United Water Conservation District, August 2001

Newhall Ranch Litigation, Statement of Decision, August 1, 2000

Volume X

Appendix 4.8 Water Service Reports (continued)

Slade, 2001 Update Report Hydrogeologic Conditions in the Alluvial and Saugus Formation Aquifer Systems, Dated July 2002

Interim Remedial Action plan, Dated December 2005

Valencia Water Company Letter to Impact Sciences, March 8, 2006

Luhdorf & Scalmanini Technical Memorandum: Evaluation of Groundwater Recharge Methods for the Saugus Formation in the Newhall Ranch Specific Plan Area, March 8, 2006

Luhdorf & Scalmanini Technical Memorandum: Potential Capture of Perchlorate Contamination, Valencia Water Company Wells E14-E17, April 26, 2006

Final Report, Reclaimed Water System Master Plan, CLWA, September 1993

CPUC Decision Dated November 29, 2001

CPUC Decision Dated October 16, 2003

CPUC Decision Dated August 24, 2006

2003 Point of Delivery Agreement (Semitropic Groundwater Banking Program), February 13, 2004

CLWA Resolution Regarding Availability of Recycled Water, Approved May 28, 2003

CLWA Memorandum to Board of Directors, June 1, 2007

Monterey Settlement Agreement

Friends of the Santa Clara River v. Castaic Lake Water Agency, 2003 WL 22839353 (*Friends II*)

DWR "News for Immediate Release," April 18, 2006

DWR Notice to SWP Contractors, May 23, 2007

DWR Bulletin 132-04, *Management of the California State Water Project,* September 2005

DWR Bulletin 132-03, *Management of the California State Water Project,* December 2004

DWR Bulletin 132-02, *Management of the California State Water Project,* January 2004

LIST OF APPENDICES (continued)

Volume X (continued)

Appendix 4.8 Water Service Reports (continued)

DWR Bulletin 132-01, *Management of the California State Water Project,* December 2002
DWR Bulletin 132-06, *Management of the California State Water Project*, December 2007
DWR's "Notices to State Water Project Contractors" 2000 to 2006
Sacramento County Trial Court's Order (re: Monterey Settlement Agreement)
Judgment Granting Peremptory Writ of Mandate, October 25, 2002
DWR Brief in the 41K litigation
California Water Impact Network, et al. v. Castaic Lake Water Agency, Appellate Court 2d Civil No. B177978 (Second District Court of Appeal's unpublished decision)
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Musings On A Model: CalSim II In California's Water Community, San Francisco Estuary and Watershed Science, Vol. 3, Issue 1 (March 2005), Article 1, by Inês C. Ferreira, *et al*
DWR letter to Mindy McIntyre, Planning and Conservation League, April 20, 2006
Order Granting Plaintiff's Application for Temporary Restraining Order, February 3, 2006
Order Granting Plaintiff's Motion for Preliminary Injunction, February 15, 2006
Governor Schwarzenegger's release issued July 17, 2007

Volume XI

Appendix 4.8 Water Service Reports (continued)

2006 Santa Clarita Valley Water Report, May 2007
2008 Santa Clarita Valley Water Report, April 2009
Statement of Decision, *California Water Network v. Castaic Lake Water Agency*, Los Angeles County Superior Court No. BS098724, filed April 2, 2007 ("Chalfant Decision")
California Water Impact Network, Inc. v. Castaic Lake Water Agency, Second Appellate District, Division Five, Appellate Case No. B205622
Castaic Lake Water Agency Litigation Settlement Agreement
Order Granting Joint Motion for Court Approval, Good Faith Settlement Determination and Entry of Consent Order, July 13, 2007
Stipulation to Dismiss Plaintiffs' Claims and Defendants' Counterclaim, August 20, 2007
Carollo Engineers, Treatment of Perchlorate Contaminated Groundwater from the Saugus Aquifer, TM 3 Bench and Pilot Test Results, February 2004
DWR's 2009 Comprehensive Water Package, Special Session Policy Bills and Bond Summary, November 2009
DWR's Progress on Incorporating Climate Change into Management of California's Water Resources, July 2006
Emissions Pathways, Climate Change, Impacts on California, Katharine Hayhoe, et al., August 24, 2004
Pondering a Climate Conundrum in Antarctic, *Nature,* January 13, 2002

LIST OF APPENDICES (continued)

Volume XI (continued)

Appendix 4.8 Water Service Reports (continued)
Buried Soil Cement Evaluation after 2004/05 Winter Storm, PACE, May 8, 2007
In Hot Water: Water Management Strategies to Weather the Effects of Global Warming, NRDC, July 2007
Minute Order and Statement of Decision for the 2005 UWMP
Janavs Decision
Retired Irrigated Farmland, Tentative Tract Map No. TR61105, 2008
Valencia Water Company, Well E-15 Water Quality Compliance Monitoring Results – 2006 to 2009
Progress Letter Report from Hassan Amini, Ph.D., Project Coordinator for AMEC Geomatrix, to DTSC, September 15, 2009
Letter from Hassan Amini, Ph.D., Project Coordinator for AMEC Geomatrix, to DTSC, June 8, 2009
CLWA News Release, September 14, 2009
CLWA Memorandum from Brian J. Folsom to CLWA Board of Directors, October 1, 2009
U.S. EPA, Perchlorate, and Region 9 Perchlorate Update
Biological Opinion for Delta smelt, 2008

Volume XII

Appendix 4.8 Water Service Reports (continued)
Biological Opinion for Chinook salmon/sturgeon
Natural Resources Defense Council v. Kempthorne, 506 F.Supp.2d 322 (E.D. Cal. 2007) ("2007 Wanger decision")
Pacific Coast Federation of Fishermen's Associations, et al. v. Gutierrez, et al., No. 06-CV-00245-OWW-GSA (E.D. Cal. 2008) ("2008 Wanger decision")
NOAA/NMFS release summarizing the 2009 Biological Opinion, June 4, 2009
DWR release responding to the 2009 Biological Opinion, June 4, 2009
SWP Contractors release concerning litigation filed challenging the 2009 Biological Opinion, August 6, 2009
Coalition for a Sustainable Delta/Kern County Water Agency release concerning the litigation filed challenging the 2009 BO, August 28, 2009

Appendix 4.9 Wastewater Disposal
Wastewater Data

Appendix 4.10 Solid Waste Services
Calculations Details

Appendix 4.11 Sherriff Services
Written correspondence from Captain Patti A. Minutello, Los Angeles County Sheriff's Department, Santa Clarita Valley Station, November 3, 2004
Written communication from E. Conley, Captain, Commander, Newhall Area Station, California Highway Patrol, November 14, 2004

LIST OF APPENDICES (continued)

Volume XII (continued)

Appendix 4.12 Fire Protection Services
- Written correspondence, David R. Leininger, Chief, Forestry Division, Prevention Bureau, County of Los Angeles Fire Department, December 22, 2004

Appendix 4.13 Education
- School Facilities Funding Agreement entered into between the Newhall District and Newhall on October 17, 1995
- School Facilities Funding Agreement Between the Saugus Union School District and Newhall Land and Farming Company, Effective February 18, 1997
- School Facilities Funding Agreement Between the William S. Hart Union High School District and The Newhall Land and Farming Company, Effective October 1998
- Facilities Mitigation and Funding Agreement By and Between Newhall Land Development, LLC, and the Newhall School District, December 1, 2009
- Agreement for the Advancement of School Facilities Funds to the Saugus Union School District by the Newhall Land and Farming Company, Effective October 17, 2000
- School Facilities Funding Agreement entered into between the Newhall District and Newhall Land and Farming Company (Newhall School Funding Agreement), Effective January 22, 2010
- Student Generation Calculations

Appendix 4.15 Library Services
- Written correspondence from Malou Rubio, Head, Staff Services, County of Los Angeles Public Library, Library Headquarters, August 11, 2004
- Written correspondence from Malou Rubio, Head, Staff Services, County of Los Angeles Public Library, Library Headquarters, June 28, 2004
- E-mail correspondence from Malaisha Hughes, County of Los Angeles Public Library, Library Headquarters, January 21, 2005
- Library Calculations

Volume XIII

Appendix 4.19 Environmental Safety
- Phase I Environmental Site Assessment of Proposed The Mesas East, Valencia, California
- Phase I Environmental Site Assessment of Entrada Development Tract Map No. 53295, Henry Mayo Drive and The Old Road, Valencia, California, March 2007 (part 1)

Volume XIV

Appendix 4.19 Environmental Safety (continued)
- Phase I Environmental Site Assessment of Entrada Development Tract Map No. 53295, Henry Mayo Drive and The Old Road, Valencia, California, March 2007 (part 2)
- Phase I Environmental Site Assessment of Entrada Development Tract Map No. 53295, Henry Mayo Drive and The Old Road, Valencia, California, March 2007 (part 3)

LIST OF APPENDICES (continued)

Volume XV

Appendix 4.19 Environmental Safety (continued)
Phase I Environmental Site Assessment of Entrada Development Tract Map No. 53295, Henry Mayo Drive and The Old Road, Valencia, California, March 2007 (part 4)
Phase I Environmental Site Assessment of Parcel Map No. 060678, Highway 126, Valencia, California, September 2005 (part 1)

Volume XVI

Appendix 4.19 Environmental Safety (continued)
Phase I Environmental Site Assessment of Parcel Map No. 060678, Highway 126, Valencia, California, September 2005 (part 2)
Phase I Environmental Site Assessment of Parcel Map No. 060678, Highway 126, Valencia, California, September 2005 (part 3)

Volume XVII

Appendix 4.19 Environmental Safety (continued)
Phase I Environmental Site Assessment of Legacy Village Development Tract Map VTTM 061996, Valencia, California, March 2007

Volume XVIII

Appendix 4.19 Environmental Safety (continued)
Phase II Subsurface Investigation of Water Quality Basins, Entrada ME073-02 Basins, Valencia, California, September 2006
BA Environmental, *Phase I Environmental Site Assessment of River Village Tentative Tract Map No. 53108, Highway 126, Newhall Ranch, California*, September 27, 2004
BA Environmental, *Phase I Environmental Site Assessment Addendum Letter of Proposed Water Tank Locations and Utility Corridor Easements Associated with the proposed River Village Development, Tentative Tract Map No. 53108, Highway 126, Newhall Ranch, California*, September 28, 2004
BA Environmental, Phase I Environmental Site Assessment of Proposed SCE Substation Site and Soil Disposal Site, Valencia, California, May 2010

Appendix 4.20 Cultural Resources
Phase I Archaeological Survey of the West Ranch Area
Backhoe Testing Near the Asistencia de San Francisco

Appendix 4.21 Floodplain Modifications
PACE, Mission Village Flood Technical Report
ENTRIX, Focused Special-Status Aquatic Species Assessment

LIST OF APPENDICES (continued)

Volume XIX

Appendix 4.21 Floodplain Modifications (continued)
Geosyntec Consultants, "Newhall Ranch Specific Plan Sub-Regional Stormwater Mitigation Plan" (April 2008)
Pacific Advanced Civil Engineering, Inc., "Newhall Ranch River Fluvial Study Phase 1, Final Draft" (March 2006; 2006a)
Pacific Advanced Civil Engineering, Inc., "Newhall Ranch River Fluvial Study Phase 2" (January 2008)
Philip Williams and Associates, Ltd., "Newhall Ranch Tributary Channel Design Guidelines" (November 20, 2008)

Volume XX

Appendix 4.22 Water Quality
Mission Village Water Quality Technical Report, March 2010
Geosyntec, Newhall Ranch Specific Plan Sub-Regional Stormwater Mitigation Plan, April 2008

Appendix 4.23 Global Climate Change
ENVIRON, Climate Change Technical Report: Mission Village, August 2010
GSI Water Solutions, Inc., "Technical Memorandum Regarding Potential Effects of Climate Change on Groundwater Supplies for Newhall Ranch Specific Plan, Santa Clarita Valley, California," March 18, 2008
Mission Village Sustainability Overview, 2010
Global Climate Change and Its Effects on Sensitive Biological Resources, July 2010
Global Climate Change and Its Effects on California Water Supplies, July 2010

Appendix 5.0 Project Alternatives
Emissions Calculations

APPENDIX 4.19

Environmental Safety

VOLUME 1

PHASE I ENVIRONMENTAL SITE ASSESSMENT

OF

PROPOSED THE MESAS EAST
VALENCIA, CALIFORNIA

FOR

GATZKE DILLON & BALLANCE LLP

BA ENVIRONMENTAL
A Division of Building Analytics

File No. 104229
February 2005

BA ENVIRONMENTAL
A Division of Building Analytics
www.BAEnvironmental.com

CORPORATE OFFICE
528 STATE STREET
GLENDALE, CALIFORNIA 91203
TOLL FREE 1-888-440-7225
818-500-1898
818-246-8195 FAX

February 7, 2005

File No.: 104229

Mr. Mark Dillon
Gatzke Dillon & Ballance LLP
1921 Palomar Oaks Way, Suite 200
Carlsbad, California 92008

Reference: Proposed The Mesas East
1,250 Acre Parcel of Land
Valencia, California

Subject: Report
Phase I Environmental Site Assessment

Dear Mr. Dillon:

BA Environmental is pleased to submit this Phase I Environmental Site Assessment (ESA) report regarding the above-referenced property to Gatzke Dillon & Ballance LLP. The objective of this Phase I ESA was to assess the potential for contamination at the subject property caused by hazardous materials. To accomplish this, a reconnaissance of the subject property and vicinity was performed, available relevant regulatory records were reviewed, and the property history was researched.

The subject property consists of an approximate 1,250-acre parcel of land that has been historically utilized for cattle ranching and oil production, and more recently for agricultural production. Numerous dirt roads and partially paved roads traverse the subject site. The subject property is located south of Henry Mayo Drive (Highway 126), north of Petero Canyon and east of Magic Mountain and Potrero Road, which is referred to as the proposed location of The Mesas East development, in Valencia, California. Planned usage for the subject property will include residential and commercial developments, parks and a school. This project also includes a small strip of land currently leased by Magic Mountain amusement park, which utilizes the land for storage.

The review of historical documents indicates that portions of the subject site have been vacant undeveloped land, or used as agricultural land or cattle ranching from prior to 1903 until present. From prior to 1952 until sometime around 1995, the subject site has been located within the Castaic Junction Oil Field. As many as 51 oil wells have existed on-site. Several oil sump and oil tank locations have existed throughout the subject site. Other tank locations (which might have been oil tanks) and water tank locations have also existed on site since 1952. Structures in the west and central portions of the property were associated with the on-site oil operations. By 1988, decommissioning of the oil production operations began, and by 2002 all oil production had ceased in this area and

the structures, tanks and wells had been removed. Structures have existed in the northeast portion of the subject site since prior to 1903. Associated with these structures were corrals. This area was likely part of the cattle ranching operations conducted in this area from prior to 1903 until sometime around the 1960s. By 2002, all of the structures in the northeastern portion of the property had been removed. As early as 1968, portions of the subject property have been used for agricultural cropland; however, it was not until after the mid-1990s that significant agricultural production was conducted in the northeastern portion of the subject property. Since 2002, there have been no significant changes in the subject property's appearance or usage.

BA Environmental performed a site reconnaissance of the subject property. Much of the subject property is covered by native vegetation, including chaparral type vegetation, low grass and oak trees. The Santa Clara River cuts across the northern portion of the subject property. This area is occupied by riparian type vegetation. Various indigenous animals, including mule deer, coyotes, jackrabbits, cottontail rabbits, skunk, opossums, rattlesnakes, various other reptiles and various birds inhabit these natural areas.

Various indications of past usage were observed throughout the subject property. These visual indications included past well location markers, cleared areas, exploration pads, debris, tanks, wells, cultivated areas and stained areas. For cataloging purposes, each of these items was labeled as "Points of Interest" (POIs) and was assigned a number. Global Positioning System (GPS) coordinates were collected for each POI. Also assigned POI numbers were past evidence observed in historical documents (e.g., historical aerial photographs and historical topographic maps).

Most all of the subject property has seen some type of oil exploration or production. Approximately 51 oil wells were formerly located on the subject site. Additionally, associated buildings, tanks and sumps were formerly located on the subject site. All of these structures have been removed, with the exception of two tanks currently used for water storage. Areas which were occupied by structures and oil wells are currently vacant clear pads. The locations of the former oil wells are currently marked by a yellow painted steel pipe driven into the ground. The well number is welded into the side of the pipe. Visual evidence of past oil wells in the form of concrete, wood and metal debris was observed at most of the former well locations; however, this visual evidence was sparse. A large number of POIs, which are likely pads for exploratory wells, were observed throughout the subject site. At several locations of former oil wells or oil storage tanks, tar or stained soil with a petroleum hydrocarbon-like odor was observed. The tar-like substance was typically hard and limited to the surface. The stained soil tended to be more wide spread across a larger area and in most cases extended six inches or greater beneath the ground surface.

In the northeast portion of the subject property, evidence of former buildings observed in historical documents was evident. This included various building material debris (e.g., concrete, asphalt, broken tile and wood) and various household debris (e.g., broken dishes, broken toys, glass debris, old cans and plastic bottles, and old clothing). In a small field to the southeast of the former structures was a concrete slab, approximately five feet by five feet square. The purpose of this concrete slab is unknown. On the hill to the southeast of the former structures are three old water tanks, which are no longer used. A concrete slab and wood debris mark the location of a fourth former water tank. To the east of this hill are four long concrete troughs, and various concrete and metal debris.

These troughs are believed to be cattle feed troughs. Further to the south of these troughs are what appeared to be concrete watering troughs. These structures and the water tanks are likely related to the former cattle ranching operations conducted in this area from sometime prior to 1928 until sometime prior to 1968.

In the central portion of the property and in the northwestern portion of the property, evidence of former buildings observed in historical documents was observed. This included various building material debris (e.g., concrete, asphalt, broken tile and wood) and trash (e.g., broken dishes, glass debris, old cans and plastic bottles).

During the site reconnaissance, three irrigation water wells were observed on the subject site. The well located in the northwestern portion of the subject site had a pump, which was electrically operated, and had a tank (former oil tank) associated within. A well located in the central portion of the subject appeared to be older, and had no visible pump. Only a concrete box-like structure was visible. This well did not appear to have been recently used. The water well in the northeastern portion of the subject property had a pump which was diesel powered. A 15-gallon and a 30-gallon day tank was observed next to the pump. An approximate 1,000-gallon diesel fuel AST was observed approximately 30 to 40 feet southwest of the pump. This AST was of single-walled construction and was observed to be in steel secondary containment. No significant staining was observed beneath the pump, day tanks or AST.

Six small-diameter groundwater monitoring wells (two inches) were observed on the subject property. According to Newhall Land personnel, these wells are utilized by Seward Engineering for groundwater elevation data used for engineering purposes.

Several areas of former agricultural production were observed throughout the subject site. All of the areas appeared to have been utilized for grain crops, based on the presence of straw disked into the fields. The largest areas of agricultural production were located in the northeastern portion of the subject property. One of these areas was located on a mesa to the west of the former ranch location. The other large area of agricultural production was located in a small valley west-southwest of the mesa. In this area were several unattached fields. A small shallow reservoir was also observed. This is the location of the diesel powered water pump. A smaller cultivated field was observed to the south of the location of the former building in the northeast portion of the property. The next largest area of cultivated land is located in the north-central portion of the property, south of the Santa Clara River. Here, a narrow strip of land had been under cultivation. Four small cultivated fields were observed in the central and western portions of the subject property. These fields were located on what were formerly oil well pads. These areas appeared to have been used for a short period of time for grain crops.

During the site reconnaissance, an area in the southwest portion of the subject property was observed to have what initially appeared to be an exploratory pad in the bottom of a small canyon. Closer inspection of this pad revealed a significant quantity of various concrete, wood and metal debris, broken tools and equipment, broken dishes, broken bottles, old plastic bottles old metal cans, and other miscellaneous trash and debris. In addition, an old, badly deteriorated, empty 55-gallon drum and a 5-gallon bucket containing a small quantity of what appeared to be tar were also observed partially buried in this area. Based on visual observations, it is believed that this area may have been

formerly used as a landfill.

A narrow strip of the subject property along the eastern property boundary is leased by Magic Mountain. Magic Mountain utilizes this strip of land for storage. In the northern portion of this strip of land, several 55-gallon drums and several 5-gallon buckets were observed. None of the containers were observed to be stored on drum pallets. The contents of the drums and buckets are unknown. No evidence of staining or spillage was observed beneath the containers. To the south of the drum storage area was a cargo container with vents in the top. The contents of this container are unknown; however, the presence of the vents may indicate paint storage. In the central portion of this strip of land is an AST associated with a go-cart ride. This AST contains gasoline and is of double-walled construction. No staining was observed beneath the AST. Located to the west of the AST is a cargo container with a protective berm on the east side. This container holds aerial fireworks for Magic Mountain's aerial fireworks display. The area south of the AST is used for storage of old architectural features and parts of old amusement park rides. The southernmost portion of this strip of land is utilized by Magic Mountain as part of their nursery. This area is used predominantly for storage of old equipment, compost piles and trash storage. Two ASTs in concrete secondary containment were observed. The contents of the ASTs are unknown, but likely contain a fertilizer, pesticide or herbicide.

No areas of stained soil, or significantly stained asphalt or concrete, or distressed or discolored vegetation were observed on-site during the site reconnaissance, other than those described above.

BA Environmental did not observe issues of environmental concern, such as significantly stained pavement or concrete floors, USTs, ASTs, floor drains, waste water clarifiers, or hazardous materials usage or storage, at the subject property, other than those described above.

BA Environmental completed limited soil sampling at the above-referenced site to assess whether past use of pesticides or herbicides has impacted the shallow soils beneath the previously cultivated areas on the subject property.

Seventy-seven (77) shallow hand auger borings were advanced to depths of between one and two feet bgs.

Field observations of soil samples collected from all of the borings revealed no unusual odors or discoloration. Groundwater was not encountered in any of the shallow borings.

Samples collected were composited at the laboratory in groups of four samples. The composited samples were analyzed for Organochlorine Pesticides (OCP), Organophosphorous Pesticides (OPP) and Chlorinated Herbicides (CH) using Environmental Protection Agency (EPA) Method Nos. 8081 (OCP) , 8141 (OPP) and 8151 (CH).

All of the soil samples analyzed were reported not to contain detectable concentrations of OCP or CH.

Composited samples G9 through G16, and composited samples G18 and G19 were reported to contain Fensulfothion in concentrations ranging from 0.039 milligrams per kilogram (mg/kg) to 0.049 mg/kg. These concentrations are below the reportable concentration of 0.05 mg/kg for Fensulfothion. No other OPPs were reported in the samples.

Although below the reportable concentration for Fensulfothion, the concentrations of Fensulfothion reported in composited samples G9 through G16, and composited samples G18 and G19, were compared with the Preliminary Remediation Goals (PRGs) set up by the United States Environmental Protection Agency (EPA) for various compounds and metals. No PRGs are listed for Fensulfothion. Based on these results, there is a low potential for threat to human health or the environment.

BA Environmental performed a review of available government database records. The subject property is listed on the ERNS database. According to the database, equipment failure resulted in the release of approximately 44 gallons of crude oil and 132 gallons of production water. The release occurred at Tank Battery #5. Reportedly, Exxon, the responsible party, cleaned up the spill. Based on the fact that the release was cleaned up promptly, there is a low potential that this release significantly impacted the subject property. The closest off-site facility is located at 27946 Henry Mayo Drive, adjacent to the north of the subject property. This facility Travel Village/Fiesta Resorts/Valencia Travel Village is located approximately 200 feet north of the subject property, in an assumed cross-gradient location relative to the regional groundwater flow direction. No impact from this facility is likely. Based on the status and distances of the remaining facilities, there is a low potential for environmental impact due to off-site sources.

BA Environmental has performed a Phase I ESA, in conformance with the scope and limitations of ASTM Practice E 1527-00, of the vacant 1,250-acre parcel of land located south of Henry Mayo Drive (Highway 126), north of Petero Canyon and east of Magic Mountain and Potrero Road, which is referred to as the proposed location of The Mesas East development, in Valencia, California. In addition, a small strip of land currently leased by Magic Mountain, adjacent to the east of Potrero Road, is also included in the subject site. Any exceptions to, or deletions from, this practice are described in the Introduction section of this report.

This assessment has revealed the following historical recognized environmental conditions with regard to the subject site:

- Several ASTs and sumps, associated with oil production, existed on-site from prior to 1952 until prior to 2002.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property, except the following:

- Approximately 51 oil wells and associated production area existed on the subject property;
- Staining was observed near several of the former oil well;
- Structures related to a "gas plant" were located on Exxon Mesa;

- Three areas of structures were located on-site. Two were former oil company field offices and the third associated with the former ranching operations. ASTs or USTs for fueling purposes may have been located at these structures;
- A large pond or sump was formerly located in the narrow strip of land in the north-central portion of the property, south of the Santa Clara River;
- Two day tanks and a 1,000-gallon AST are associated with a diesel powered water pump; and
- Former landfill was located in a small canyon in the southwest portion of the subject property. Debris was screened from this land fill. Evidence of drums and buckets remain in the landfill area. No soil samples were collected from this area.

BA Environmental recommends the following:

- If disturbed, or if located within an area of redevelopment, all former oil wells located on the subject property should be re-abandoned according to all applicable local and state regulations;
- The areas of former ponds, gas plant, landfill and structures should be assessed for potential impact to the subject site;
- Areas of visible staining should be assessed if they are not planned for excavation, or are located in an area planned to be raised in grade; and
- Areas of visible staining that are scheduled to be excavated should have any visibly impacted soil disposed of in accordance with all federal, state and local regulations.

Since this area has been historically used for oil production, structures or contamination which could not be reasonably identified in this investigation, although unlikely, may exist. BA Environmental recommends that any stained areas or unidentified structures encountered during grading operations should be assessed upon discovery.

Although not a recognized environmental condition, it is recommended that all groundwater monitoring wells or production water wells be abandoned according to applicable local and state regulations, prior to redevelopment, if not planned to be used.

If you have questions regarding this project or report, please contact us at (818) 500-1898.

Respectfully submitted,
BA ENVIRONMENTAL

Russell M. Cote, M.Sc., R.G. No. 7139
Manager, Environmental Services

TABLE OF CONTENTS

Page

LETTER OF TRANSMITTAL

INTRODUCTION 1

SITE LOCATION 2

GEOLOGY AND HYDROGEOLOGY 3

HISTORICAL REVIEW 3

SITE RECONNAISSANCE AND IMPROVEMENTS 14

ADJACENT LAND USE 23

AGENCY CONTACTS 24

GOVERNMENT RECORDS REVIEW 27

FINDINGS, CONCLUSIONS AND RECOMMENDATIONS 31

REPORT AUTHORS 36

FIGURES

Figure 1:	Site Vicinity
Figure 2:	Site Map
Figure 3:	Development Map
Figure 4:	Points of Interest Map
Figure 5:	Points of Interest Map
Figure 6:	Pesticide Overview Map
Figure 7:	Pesticide Sample Location Map
Figure 8:	Pesticide Sample Location Map
Figure 9:	Pesticide Sample Location Map

SITE PHOTOGRAPHS

TABLE

Table 1:	Points of Interest
Table 2:	Soil Sample Results
Table 3:	Locations of Electrical Transformers
Table 4:	Oil Wells Located on Subject Site
Table 5:	Government-Listed Databases

APPENDICES

Appendix A:	Historical Aerial Photographs
Appendix B:	Historical Topographic Maps
Appendix C:	Previous Environmental Reports
Appendix D:	Laboratory Reports and Chain-of-Custody Documentation
Appendix E:	Oil Well Closure Reports
Appendix F:	DOGGR Oil Well Abandonment Procedures
Appendix G:	Government Records Report
Appendix H:	References
Appendix I:	Glossary of Acronyms

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Proposed The Mesas East
1,250 Acre Parcel of Land
Valencia, California

INTRODUCTION

BA Environmental is pleased to submit this Phase I Environmental Site Assessment (ESA) report to Gatzke Dillon & Ballance LLP. This report is regarding the vacant 1,250 acre parcel of land located south of Henry Mayo Drive (Highway 126), north of Petero Canyon and east of Magic Mountain and Potrero Road, which is referred to as the proposed location of The Mesas East development, in Valencia, California. In addition, a small strip of land currently leased by Magic Mountain, adjacent to the east of Potrero Road is also included in the subject site.

This report was prepared in accordance with the Proposal and Contract between BA Environmental and Mark Dillon of Gatzke Dillon & Ballance LLP, dated October 12, 2004.

The purpose of the ESA is to identify, to the extent feasible, recognized environmental conditions, which can be defined as, "The presence or likely presence of any hazardous substance or petroleum products under conditions that indicate an existing release, a past release or a material threat of any hazardous substances or petroleum products."

This Phase I ESA meets the general requirements of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: E 1527-00. The ASTM standard practice defines good commercial and customary practice for conducting ESAs using reasonable inquiry. The scope of services for this Phase I ESA consisted of several tasks, including:

- A reconnaissance of the site and its vicinity;
- Interviews with current owners and occupants of the subject property, and personnel at local government agencies;
- A compilation of the property history, including the review of previous environmental reports regarding the subject property (if available);
- An agency list search of facilities with recorded environmental issues located within the radii required by ASTM; and
- A summary of our findings, conclusions and recommendations.

Additional services that were provided include:

- A visual survey of asbestos containing materials (ACMs)
- A visual survey and review of map of designated wetlands;
- A review of a survey and map of radon zones; and
- Collection of soil samples for pesticide and herbicide screening.

As per ASTM Practice E 1527-00, there are no deviations from, or deletions of, the general requirements of this standard practice contained in this report.

A Phase I ESA is a non-intrusive examination. As such, it is not a full and complete assessment of all environmental conditions. Adverse conditions may exist that could not be discovered by such an assessment. BA Environmental has made every reasonable effort to discover and interpret the information and current conditions regarding the site within the time available. We will recommend prudent additional investigations, if deemed necessary.

This report must not be regarded as a guarantee that no further contamination exists beyond that which may have been detected within the building or beneath the property. If additional relevant information about the property is brought to our attention, the conclusions and recommendations contained in the report may not be valid.

This assessment relied upon information obtained from the site reconnaissance and from relevant regulatory agencies. BA Environmental believes that the information contained herein is reliable. However, BA Environmental cannot guarantee the accuracy of information provided by others.

SITE LOCATION

The subject property is a vacant 1,250-acre parcel of land located south of Henry Mayo Drive (Highway 126), north of Petero Canyon and east of Magic Mountain and Potrero Road, which is referred to as the proposed location of The Mesas East development, in Valencia, California. In addition, a small strip of land currently leased by Magic Mountain, adjacent to the east of Potrero Road is also included in the subject site. The subject property may be reached from the Interstate Freeway 5 (Golden State Freeway), exit Magic Mountain Parkway and proceed to the southwest for approximately 0.2 miles to The Old Road. Turn northwest (right) onto The Old Road and proceed approximately 0.2 miles to Feedmill Road. Turn west (left) onto Feedmill Road and proceed generally to the northwest for approximately 0.8 miles to Knudsen Parkway. Turn southwest (left) onto Knudsen Parkway and proceed approximately 0.3 miles to a gate. The subject property is located south of Henry Mayo Drive (Highway 126) and the Santa Clara River, north of Petero Canyon and east of Magic Mountain and Potrero Road. Primary vehicular access to the subject site is several gated dirt roads entering from all four sides of the subject site.

The subject property consists of an approximate vacant 1,250-acre parcel of land that has been utilized for agricultural production, a cattle ranch and oil production, with numerous dirt roads traversing the subject site. Six aboveground storage tanks (ASTs) are the only remaining structures. Several formerly cultivated fields are present in the northern portion of the subject property, with former oil well pads present throughout the subject property. A portion of the Santa Clara River makes up the northernmost portion of the subject site. In addition, a small strip of land currently leased by Magic Mountain, adjacent to the east of Potrero Road is also included in the subject site. This strip of land is utilized predominantly for storage of equipment and for a portion of Magic Mountain's nursery.

Adjacent land use to the subject site includes agricultural land and undeveloped land to the west, undeveloped land and a former portion of an oil field to the south, Highway 126 and the Travel Village trailer park to the north , and Magic Mountain and undeveloped land (formerly a portion of an oil field) to the east (Figures 1 and 2).

Topographic Map Review

The property is depicted on the Newhall and Val Verde, California Topographic Quadrangle maps of the United States Geological Survey (USGS).[1] The subject property encompasses portions of Sections 18 and 19, Township 4 North, Range 16 West and Sections 13, 23 and 24, Township 4 North, Range 17 West of the San Bernardino Base and Meridian. The subject site is predominantly located in the Santa Susana Mountains, with a small portion occupying the Santa Clara River channel. The site consists of mountains, small mesas and small north/south-trending valleys.

The subject site consists of an approximately 1,250-acre vacant parcel of land located south of Henry Mayo Drive (Highway 126), north of Petero Canyon and east of Magic Mountain and Potrero Road. The subject site is depicted as being occupied by three groups of structures, one in the northeast portion (former cattle ranching operation), one in the central portion (former oil field office) and one in the northwest portion of the subject property (former gas plant and field on what is known as Exxon Mesa). The groups of structures consist of between four and seven small structures. Approximately 51 oil wells are depicted on-site. In addition, eight tank locations are depicted on the maps. Numbers of tanks range from single tanks to clusters of three. Most of the tanks are identified as oil tanks; however, three tanks located in the northeast portion of the subject site are labeled as water tanks. Three water wells were depicted on the map, to the south of the Santa Clara River, in the northern portion of the subject property. One was located in a small valley (known as Middle Canyon) occupied by cultivated fields in the northeastern portion of the subject property, one near a narrow cultivated strip of land (known as San Jose Flats) south of the Santa Clara River in the central portion of the subject property, and the third in a small valley (known as Lyon Canyon) in the northwestern portion of the subject property. Numerous dirt roads and trails were depicted traversing the subject property. Two areas depicted as possible oil sumps are located in the northwestern portion of the subject property and a possible sump or pond is depicted in the narrow cultivated strip of land (San Jose Flats) south of the Santa Clara River in the central portion of the subject property.

The topography of the site and the surrounding area is variable and predominantly occupied by mountains with three small valleys. A portion of the subject property is also occupied by the Santa Clara River. Both the site elevation and gradient are variable and dependent upon the location within the subject site.

The Santa Clara River flows across the northern portion of the subject property. Intermittent streams also run through the three small valleys located on the subject site, and flow toward the Santa Clara River in the north. No other major bodies of surface water (i.e., oceans, lakes, rivers, streams, etc.) are located within a one-mile radius of the site.

A review of the topographic map and oil and gas maps indicates that 51 oil or gas wells are located on the subject site, or in the site vicinity.[2] These wells were listed as "abandoned." Visual assessment of these wells confirms their abandonment.

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1 USGS Map, Newhall, California Quadrangle, 1952, photo-revised 1988; Val Verde, California Quadrangle, 1952, photo-revised 1988.

2 Munger Map Book of California/Alaska Oil and Gas Fields, 37th Edition, June 1993.

GEOLOGY AND HYDROGEOLOGY

The subject site is located predominantly in the Santa Susan Mountains, with a small amount in the northern portion occupying the Santa Clara River channel. Underlying sediments consist of alluvial and flood plain deposits of silt, sands and gravels. Sand is medium to coarse grained, and cobbles are found to increase in size with depth. The Plio-Pleistocene Saugus Formation, a thin to moderately thick bedded non-marine deposit, ranging from reddish-brown siltstones, silty sandstones to conglomerates, underlies the Quaternary alluvial sediments and outcrops in the northern and southern portion of the subject property. The Newhall Segment of the San Gabriel Fault, which is classified as a late Quaternary fault which cuts strata of Pleistocene age, is located within 500 feet of the subject site.[3]

According to the County of Los Angeles, Department of Public Works, Hydraulic Conservation Division, which maintains information on groundwater depth from the county-owned wells, the closest well to the subject property, listed with their department, is located approximately 1,500 feet west of the confluence of the Santa Clara River and Castaic Creek. This well is identified as #6967, and was last measured on June 19, 2003. The data indicates that, from the ground surface, depth to groundwater surface was 24.3 feet, and that the ground surface elevation at the well head was 949.7 feet above mean sea level (msl).[4] Six groundwater monitoring wells are located in the northern portion of the subject property, south of the Santa Clara River (see Figures 4 and 5). Approximate depth to water in these wells ranged from 7.5 feet below ground surface (bgs) in the northeastern-most wells (near the Santa Clara River) to approximately 36 feet bgs in the northwestern-most wells. No monitoring wells were observed in the southern portion of the subject property; however, depth to groundwater in this portion of the subject property is expected to be approximately 100 feet bgs or greater. Groundwater flow direction is expected to flow to the north-northwest following topography.

HISTORICAL REVIEW

As part of the Historical Review, BA Environmental reviewed historical aerial photographs, historical fire insurance maps, oil and gas well maps, city records, and building department records.

Historical Aerial Photographs

Historical aerial photographs of the site were reviewed for the years 1928 (earliest photograph available), 1947, 1952, 1968, 1972, 1976, 1988, 1989, 1990, 1993, 1994, 1995, 1999 and 2002.[5] Copies are included in Appendix A.

1928
The subject site was predominantly occupied by vacant undeveloped land covered by native vegetation. In the northeastern portion of the subject property were two rectangular buildings interpreted to be barns and adjacent corrals. To the northwest of the rectangular buildings was an area on the hill, which appeared to be disturbed (linear

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3 1994 Fault Activity Map of California and Adjacent Areas (1:750,000 scale), California Department of Conservation, Division of Mines and Geology.

4 County of Los Angeles Department of Public Works, Hydrologic Records, records request October 14, 2003.

5 The EDR Aerial Photograph Print Service, Inquiry No. 01316204-3, December 1, 2004 and Continental Aerial Photography, Cypress, California 1952, 1972, 1988, 1990, 1993, 1995 and 1999, reviewed December 1, 2004.

trenches or cuts in the soil). In the hill to the south of the buildings, a notch appeared to have been cut and a visible structure, either a building or reservoir, was constructed. These buildings are likely associated with the former cattle ranching operation. Several dirt roads were observed to traverse the subject site. The adjacent properties included vacant undeveloped land to the north and the south. To the west was vacant land with agricultural crops on the mesa to the west. To the east was vacant land and a residence.

1947
There were no significant changes to the majority of the subject property. In the central portion of the subject property, adjacent to the southern boundary of the Santa Clara River, was a strip of agricultural cropland. To the northeast, one of the rectangular structures remained and the corrals appeared to be expanded. Three additional smaller structures were observed in this area. To the southeast of the rectangular building were additional corrals, two small tanks and what appeared to be watering troughs for cattle. These buildings are likely associated with the former cattle ranching operation. Adjacent properties to the north included a strip of agricultural cropland followed by Highway 126. The adjacent properties to the south and west were unchanged. Adjacent to the east was a cattle feed yard and cropland.

1952
The subject site remained predominantly undeveloped land. A strip of agricultural land remained in the central portion of the subject property (known as San Jose Flats), adjacent to the southern boundary of the Santa Clara River. In the northeast portion of the subject property, there appeared to be three barns with adjoining corrals. There were now three to five smaller buildings (possibly residences) to the north. Further to the northwest, there were three structures (possibly residences). These structures were likely associated with the former cattle ranching operations. The area observed to be disturbed in the 1928 photograph appeared to be a flat pad. On the hill to the southeast of the rectangular buildings was a hill with three tanks on top of it. South of the tanks were cattle corrals. Approximately 1,660 feet to the south of the corrals was a single tank. The central and western portions of the subject property were being developed as an oil field. In the eastern small valley (known as Middle Canyon), approximately 1,940 feet southeast of the Santa Clara River, was a disturbed area which appeared to be excavated, near oil well "Newhall Land & Farming #63." Approximately 1,110 feet to the south-southwest of the disturbed area were three tanks (Tank Battery 3) in an earth bermed containment, two oil sumps and an oil well, "Newhall Land & Farming #16." Other oil well locations were observed throughout this area. Approximately 100 feet southeast of the strip of agricultural land (San Jose Flats), in the central portion of the subject property, adjacent to the southern boundary of the Santa Clara River, was what appeared to be an oil sump (in the mouth of Dead End Canyon). Approximately 280 feet to the south of the sump were three tanks in an earthen containment berm (Tank Battery 4). In the western portion of the subject property, on a mesa (Exxon Mesa) approximately 500 feet southeast of the Santa Clara River, an oil well was being drilled. Adjacent to the northeastern side of the well was a sump. Approximately 1,530 feet southeast of this mesa were two tanks in an earthen berm containment (Tank Battery 2 located in Lyon Canyon). The adjacent properties to the north, west and east remained relatively unchanged. Numerous oil wells had been drilled on the adjacent properties to the south.

1968
The subject site was predominantly occupied by vacant undeveloped land and oil wells. A strip of land in the central portion of the subject property, adjacent to the southern boundary of the Santa Clara River, which was formerly occupied by agricultural land (San Jose Flats) , was now occupied by two oil wells. Approximately 100 feet southeast of this strip of land, was what appeared to be an oil sump (located in the mouth of Dead

End Canyon). Approximately 280 feet to the south of the sump were six tanks in an earthen containment berm (Tank Battery 4). In the northeast portion of the property were approximately seven to eight structures which appeared to be residences, likely part of the cattle ranching operation. On top of the mesa (known as Airport Mesa) to the west of these structures were an oil well and a tank. On the hill to the southeast of the structures was a hill with four tanks on top of it. Evidence of former cattle ranch operations was present to the east and south of this hill. Approximately 1,210 feet to the southeast of the hill was what appeared to be an oil well in an earthen berm containment. Approximately 930 feet south of the bermed well was a single tank. Approximately 1,630 feet south-southeast of the tank were approximately seven tanks (Tank battery 5) and what appeared to be an oil sump. In the eastern small valley (Middle Canyon), approximately 1,940 feet southeast of the Santa Clara River, was a disturbed area which appeared to be excavated, south of oil well "Newhall Land & Farming #63." Approximately 1,110 feet to the south-southwest of the disturbed area were eight tanks in an earth bermed containment (Tank Battery 3), oil sumps and an oil well, "Newhall Land & Farming #16." One of the sumps may have in fact been a berm with one to two tanks in it. Approximately 1,665 feet southwest of these tanks were five structures and three to four tanks (known as the Roundhouse). In the western portion of the subject property, on a mesa (Exxon Mesa), approximately 500 feet southeast of the Santa Clara River, was a long rectangular building (Gas Plant) with four smaller buildings in the front and what appeared to be a tank (aboveground diesel fuel tank) in the rear. These structures were a gas plant and field office. To the northwest there appeared to be four tanks (Tank Battery 6/7). To the southwest of these tanks were either two additional tanks or two oil wells. Approximately 1,530 feet southeast of this mesa (in Lyon Canyon) were five tanks in an earthen berm containment (Tank Battery 2). Approximately 660 feet southwest of the mesa was one tank in the westernmost small valley (Lyon Canyon). There were no significant changes to the adjacent properties to the north, west and south. To the east were cropland and the ruminants of the former cattle feed yard.

1972 and 1976

There were no significant changes in the subject property usage. In the 1976 photograph, the strip of land (San Jose Flats) in the central portion of the subject property, adjacent to the southern boundary of the Santa Clara River, which was formerly occupied by agricultural land, was occupied by two oil wells. Between the two oil wells was an area with two large northeast-southwest trending troughs and what appeared to be smaller sumps or troughs. Approximately 100 feet southeast of this strip of land (in the mouth of Dead End Canyon), was the location of what appeared to be an oil sump. This sump was no longer present. Approximately 280 feet to the south of the sump was the former location of tanks in an earthen containment berm (Tank Battery 4). These tanks were no longer present and the area appeared to be stained. On top of the mesa in the east (Airport Mesa), a small landing strip was observed. There appeared to be no structures associated with this landing strip. There were also no significant changes in the adjacent properties to the south, east or west. Adjacent to the north was Highway 126, agricultural land and a trailer park.

1988, 1989 and 1990

The subject site was predominantly occupied by vacant undeveloped land and oil wells. The strip of land in the central portion of the subject property (San Jose Flats), adjacent to the southern boundary of the Santa Clara River, was occupied by two oil wells. Between the two oil wells was an irregularly-shaped pond or sump. A structure was located at the western end of this strip of land. In the northeast portion of the property were approximately seven to eight structures, which appeared to be residences (likely associated with the cattle ranching operations). The tank located on top of the mesa (Airport Mesa) to the west of these structures was no longer present. The small airstrip

on top of Airport Mesa was still visible. On the hill to the southeast of the structures was a hill with four tanks on top of it. Evidence of a former cattle ranch operation (in the form of two feed troughs) was present to the east of this hill. Approximately 3,770 feet south-southeast of the hill were approximately three tanks, two of which were in a bermed containment (Tank Battery 5). In the eastern small valley (Middle Canyon), approximately 1,940 feet southeast of the Santa Clara River, was a disturbed area, which appeared to be excavated, south of oil well "Newhall Land & Farming #63." Approximately 1,110 feet to the south-southwest of the disturbed area were seven tanks in an earth bermed containment (Tank Battery 3), oil sumps, and an oil well, "Newhall Land & Farming #16." Approximately 1,665 feet southwest of these tanks were approximately 12 structures and seven tanks (the Roundhouse). In the western portion of the subject property on a mesa (Exxon Mesa) approximately 500 feet southeast of the Santa Clara River, was a long rectangular building with five smaller buildings in the front and what appeared to be a tank in the rear (gas plant and field office). To the northwest of the buildings there appeared to be a gas flare in a berm. To the north of the buildings was a single tank (Tank Battery 6/7). Approximately 1,530 feet southeast of this mesa (in Lyon Canyon) were ten tanks in an earthen berm containment (Tank Battery 5). Approximately 660 feet southwest of the mesa was one or possibly two tanks in the westernmost small valley (Lyon Canyon). There were no significant changes to the adjacent properties to the north, west and south. To the east was vacant land and the Magic Mountain amusement park.

1993, 1994, 1995 and 1999

The subject site was predominantly occupied by vacant undeveloped land and oil wells. The strip of land in the central portion of the subject property (San Jose Flats), adjacent to the southern boundary of the Santa Clara River, appeared to be vacant land. The irregularly-shaped pond or sump was no longer present. The structure located at the western end of this strip of land was also no longer present. In the northeast portion of the property, only approximately two structures, which appeared to be residences, remained in this area. On the hill to the southeast of the structures was a hill with three tanks on top of it. Evidence of a former cattle ranch operation (in the form of two feed troughs) was present to the east of this hill. The airstrip on Airport Mesa was present in 1995, but not in 1999. Approximately 3,770 feet south-southeast of the hill were approximately two tanks in a bermed containment (Tank Battery 5). In the eastern small valley (Middle Valley), approximately 1,940 feet southeast of the Santa Clara River was a disturbed area, which appeared to be excavated, south of oil well "Newhall Land & Farming #63." Approximately 1,110 feet to the south-southwest of the disturbed area were two tanks in an earth bermed containment (Tank Battery 3). The remnants of the old oil sumps were also visible. Approximately 1,665 feet southwest of these tanks were the remnants of the former structures and tanks located here (the Roundhouse). In the western portion of the subject property, on a mesa (Exxon Mesa) approximately 500 feet southeast of the Santa Clara River, was a long rectangular building with four smaller buildings in the front (gas plant and field office). To the northwest was a gas flare in a berm. To the northeast of this flare was one tank (Tank Battery 6/7). Approximately 1,530 feet southeast of this Exxon Mesa were two tanks in an earthen berm containment (Tank Battery 2). Approximately 660 feet southwest of the mesa was one tank in the westernmost small valley (Lyon Valley). By 1999, all of the oil field-related structures had been removed. There were no significant changes to the adjacent properties to the north, west and south. To the east was vacant land and the Magic Mountain amusement park.

2002

By 2002, all of the structures and most of the tanks had been removed from the subject site. It also appeared that the oil wells had been abandoned. The strip of land in the

central portion of the subject property adjacent to the southern boundary of the Santa Clara River, the mesa in the northeastern portion of the subject property, and the northern portion of the first valley in the east were all being utilized for agricultural crop land. There were no significant changes to the adjacent properties to the north, south, east or west.

Historical Fire Insurance Maps

Historical fire insurance maps have been primarily used by insurance underwriters to determine the risk involved in insuring individual buildings in urban areas against loss due to fire. When available, these maps can provide information regarding the historical use of a particular site and its adjacent properties. Historical fire insurance maps were not available for the subject property.[6]

Munger Map Review

A review of relevant Munger oil and gas field maps indicates that the subject site is located within Castaic Junction Oil Field. Approximately 51 oil wells are located on the subject site. A list of these oil wells is provided in Table 4 below and are shown in Figures 4 and 5. During the site reconnaissance, numerous former oil well pads and exploratory pads were observed throughout the subject site. Global Positioning System (GPS) coordinates for each of these pads is provided in Table 1.

Historical Topographic Maps

BA Environmental reviewed the Santa Susana, Calumos, Castaic, Newhall and Val Verde, California Topographic Quadrangle maps for the years 1903, 1916, 1940, 1941, 1943, 1947, 1952, 1969, 1988, 1991 and 1995.[7] Copies are included in Appendix B.

1903 and 1916
The subject site and the surrounding areas were predominantly depicted as vacant, undeveloped land. Approximately five small structures and a couple of dirt road were depicted in the northeast portion of the subject property. The Santa Clara River was depicted as crossing the northern portion of the subject property. Several small intermittent streams were also depicted as crossing the subject property.

1940, 1941, 1943 and 1947
Significant changes were not observed on the subject property or adjacent properties to the north, south, east or west. Dirt trails were observed to cross the subject site. One small structure was depicted in the northeast portion of the subject property. The Del Valle Oil Field was depicted to the west-northwest and the Newhall-Potrero Oil Field was depicted to the west-southwest. Newhall Ranch was located near the intersection of Highway 126 and Highway 99 (Interstate Highway 5). The small community of Val Verde was visible to the north of the subject property.

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6 EDR Sanborn® Map Report, Inquiry No. 01316204.5s, November 29, 2004.

7 The EDR Historical Topographic Map Report, Inquiry No. 1316204-5, November 29, 2004.

1952
The subject site was still depicted as vacant land with some wooded areas. The subject site was located within the Castaic Junction Oil Field. Twelve oil wells were located in the western and central portions of the subject property. One oil well was located in the Santa Clara River channel in the northwestern portion of the subject property. Four oil tank locations were also depicted in the western and central portions of the subject property. One water well was located in the western portion of the subject property. Two rectangular structures, four smaller structures and four water tanks were depicted in the northeastern portion of the subject property. Significant changes were not observed in the adjacent properties. Highway 126 was labeled "Saugus Ventura Road." Four rectangular buildings were located to the east of the subject site. A portion of the Castaic Junction Oil Field was to the north, east and south.

1969
The subject site was occupied by approximately 20 oil wells. One water well was located in the northwestern portion of the property and one was located near a small strip of land in the north central portion of the property, south of the Santa Clara River. Three oil tank locations and four "other" tank locations were located throughout the subject property. Four water tanks were located in the northeastern portion of the subject property. Also in the northeastern portion of the property were one rectangular structure and six smaller structures. Four structures were located in the central portion of the property (the Roundhouse), and one rectangular and three smaller structures (the Gas Plant) were located in the western portion of the property. Two possible oil sumps were located near two oil wells in the western portion of the property. There were no significant changes in the adjacent properties.

1988, 1991 and 1995
Significant changes were not observed on the subject property, except that there were now 45 oil wells on the subject property. A small structure and what appeared to be a pond or sump was depicted in the northwestern portion of the property and one was located near a small strip of land in the north-central portion of the property, south of the Santa Clara River. There were no significant changes to the adjacent properties to the south and west. To the east was Magic Mountain amusement park and to the north across the Santa Clara River was a trailer park.

Building Records

The Los Angeles County Department of Public Works Building and Safety Department and Tax Assessors office were contacted regarding building permits and certificates of occupancy for the site.[8] According to the Los Angeles County Department of Public Works Building and Safety Department, no permits existed for the subject property.

Review of Previous Environmental Reports

BA Environmental reviewed the following environmental documents regarding the subject property:

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8 County of Los Angeles Public Works Department, Building and Safety Division, and http://assessor.co.la.ca.us/DataMaps/pais.asp., November 22, 2004.

Exxon U.S.A. Downtown Production Organization, Castaic Junction Site Abandonment Phase I - Final Report, October 1995. In October of 1995, Exxon Downtown Production Organization (Exxon) conducted an investigation at the Castaic Junction Oil Field as part of their decommissioning activities. This investigation assessed seven tank batteries (Tank Batteries 1,2,3,4,5,6/7, and 8) and four production areas (Gas Plant area, Roundhouse, Condensate Tank, and Drill Pad 63). The assessment activities were conducted July 24, 1995 and August 15-17, 1995. Assessment activities included a visual assessment, exploratory trenching, and the collection of soil samples. Trenches were dug to excavate pipelines, determine extent of oil contamination, and determine the volume of impacted soil to be removed. Tank Battery 1 was part of this investigation, however it is located outside of the Mesa's East development (subject property).

Tank Battery 2 was reportedly removed in 1995. Seven exploratory trenches were dug in this area. Some of the samples collected from these trenches were reported to contain petroleum hydrocarbon concentrations at levels above the clean-up goals. In addition, a creek to the south-southwest was observed to have petroleum hydrocarbon contamination. A portion of this creek bed had already been excavated. Petroleum hydrocarbon contamination was noted to extend beneath a large tree. Exxon recommended that the former sump excavation be filled with clean fill dirt, the petroleum hydrocarbon impacted areas be excavated, the excavation of petroleum hydrocarbon impacted soil in the creek bed be completed, that further deep assessment be conducted in the tank location, and lateral assessment be conducted in the creek bed area.

The assessment of Tank Battery 3 consisted of the digging of 11 exploratory trenches. Two other areas associated with the tank battery were also assessed, the creek area and the former mud pit near well #17. According to Exxon, the manifold area had yet to be assessed. Several of the soil samples collected were reported to contain petroleum hydrocarbon concentrations at levels above the clean-up goal. Exxon recommended that the impacted areas be excavated, that further assessment be conducted in the creek bed, and that the manifold area be assessed.

The assessment of Tank Battery 4 consisted of the digging of three exploratory trenches. Two other areas associated with the tank battery were also assessed, a former pump and equipment area, and a pile of oily dirt removed from the tank battery area. According to Exxon, the pump and equipment area appeared to be clean. A few of the soil samples collected were reported to contain petroleum hydrocarbon concentrations at levels above the clean-up goal. Exxon recommended that the impacted areas be excavated, that further assessment in the tank area may possibly be needed, that the pile of impacted soil be removed, and that a small trench be excavated in the area of the former pump (upper pad).

Tank Battery 5 was assessed by the digging of seven exploratory trenches. Samples collected from these trenches were reported to contain petroleum hydrocarbon concentrations at levels in excess of the clean-up goals. Exxon recommended that surface contamination be removed in this area, and that the contamination in the area be further assessed laterally and vertically.

The former gas plant and Tank Batteries 6/7 were located on top of Exxon Mesa. The gas plant was demolished prior to the investigation. No attempt was made to survey the gas plant area, other than the vicinity of the former glycol tank and heater units, and in the vicinity of the former aboveground diesel fuel tank. The assessment of the former diesel fuel tank revealed shallow petroleum hydrocarbon contamination. Petroleum hydrocarbon contamination was also detected beneath the former glycol tank and heater

units. Trenches were also dug in the area of the former methanol tank and former sump-like features. No evidence of contamination was observed in these areas, and no soil samples were collected. Five exploratory trenches were dug in the area of Tank Batteries 6/7. No evidence of petroleum hydrocarbon contamination was observed. Three exploratory trenches were dug in the area of the former gas plant sump. Many of the samples were reported to contain petroleum hydrocarbon concentrations at levels above the clean-up goal. Exxon recommended that the impacted soils be removed, that the trenches that were reported to be clean be backfilled, that the tar mat near the flare stack be removed, that the impacted soil beneath the former aboveground diesel fuel tank be removed, and that all the surface contamination be removed. Exxon further recommended that the area between the flare stack and office be assessed, and that the area of the former glycol tank be further assessed.

Tank Battery 8 was assessed by digging four exploratory trenches. Some petroleum hydrocarbon impacted soil was encountered. In addition, the creek bed adjacent to this tank battery was being excavated to remove an asphaltic tar-like layer. Exxon recommended that the surface hydrocarbon impacted soil be scraped and removed, and that the tank battery area and the creek bed be reassessed.

The condensate tank was located in Lyon Canyon. Four exploratory trenches were dug in this area. A shallow asphaltic layer was encountered beneath the former tank. Exxon recommended that this asphaltic layer be removed.

The Roundhouse area was located in the central portion of the subject property, near well #15. The Roundhouse area consisted of an office, tank battery, equipment and drill pipe storage area, drum and equipment storage area with aboveground solvent dispenser tanks, and a drum dispenser rack. The area of the tank battery and several of the other areas of the Roundhouse had previously been assessed. During this assessment, elevated concentrations of petroleum hydrocarbons had been detected in the area of well #15 and in one area of equipment storage. Exxon recommended that these areas be further assessed for lateral and vertical extent of petroleum hydrocarbon contamination.

The area of Drill Pad 63 was assessed with several trenches. No evidence of contamination was observed and no soil samples were collected.

Subsequent to this investigation, a follow -up investigation of areas identified in the initial assessment was conducted. In a follow-up investigation in the area of Tank Battery 2, a thick layer of asphalt occurred below the road and beneath a large tree. Exxon recommended that the lateral and vertical extent of the asphalt layer be further delineated.

In the creek bed near Tank Battery 3, a trench was dug to a depth of 32 feet bgs. Discolored soil with an odor was encountered in the bottom of the trench. Exxon recommended that an additional investigation be conducted in this area, to further delineate the vertical and horizontal extent of petroleum hydrocarbon contamination.

Additional assessment was conducted of the glycol tank in the gas plant area. Impacted soil was encountered to a depth of 20 feet bgs. Below this no impacted soil was found. Exxon recommended that the lateral extent of this contamination be assessed. Also in the gas plant area, the former diesel fuel tank was assessed. No deeper contamination was encountered. Exxon recommended that the later extent of this contamination be assessed.

Additional assessment in the Roundhouse area revealed discoloration at a depth of 12 to 15 feet bgs near well #15. A sample collected at 27 feet bgs revealed no significant

petroleum hydrocarbon concentrations. Exxon recommended that the lateral extent of the contamination be further assessed and that the vertical extent be confirmed. One trench was dug in the former storage area where shallow petroleum hydrocarbon contamination was detected. At eight feet bgs, no contamination was found. Exxon recommended that the lateral extent of the shallow contamination in this area be further assessed.

In the area of Tank Battery 8, additional soil excavation was conducted. In addition, several new exploratory trenches were dug. Shallow soil contamination was encountered in the pump and sump area. Exxon recommended that, in the area of the former pumps and sumps, the later extent of soil contamination should be further assessed, assuming that the vertical extent of contamination was 20 feet bgs. In the area of Tank Battery 8, Exxon recommended that the later extent of soil contamination be further assessed, assuming that the vertical extent was 10 feet bgs. A complete copy of this report is included in Appendix C.

Exxon Company U.S.A. (Exxon), Closure Report, Castaic Junction Oil Field, July 1996. In 1996, Exxon began clean up and decommissioning of their lease in the Castaic Junction Oil Field. These cleanup and decommissioning activities were based on areas identified in Exxon Downtown Production Organization's Castaic Junction Site Abandonment Phase I - Final report, dated October 1995. Many of these areas were investigated in early 1996 during a Phase II investigation of the Castaic Junction site abandonment. Specific areas which were investigated and major activities conducted included Tank Battery 2, Tank Battery 3 and TB3 culvert, Tank Battery 4 sump, Tank Battery 5, GP-17 sump, flare sump, drill pit investigation, lease road removals, and well site restorations. Two additional areas were identified, a pit location in the area of the two former glycol reboilers on the hillside west of the former office and a partially buried debris collection area downslope southwest of Well HL&F 11. These two sites were addressed in a later assessment.

For cleanup goals, Exxon used the Los Angeles Regional Water Quality Control Board's (RWQCB) "Interim Guidance for Remediation of Petroleum Impacted Sites, soil Screening Levels." Exxon used Level B (40 to 150 feet above drinking water) to establish the cleanup levels. Exxon's cleanup goals were as follows:

Total Petroleum Hydrocarbons
C_4-C_{12} = 100 ppm
C_{13}-C_{22} = 1,000 ppm
C_{23}+ = 10,000 ppm

Benzene = 0.01 ppm
Toluene = 1.0 ppm
Ethylbenzene = 6.8 ppm
Xylene = 17.5 ppm

Two methods of disposal for impacted soil were used. Soil with greater than 50 ppm Volatile Organic Compounds (VOCs) was transported off-site to a recycling facility. Soil which was considered non-hazardous and asphaltic road materials was used as road base materials.

In previously conducted Phase I and Phase II investigations, surface staining and near surface crude oil-impacted soil was encountered around several active tank batteries (TB2, TB3, TB5 and TB8) and several inactive/abandoned tank battery sites (TB Corp 1, TB4 and TB6/7). In addition, former sump locations were identified in the vicinity of

TB1, TB2, TB3 and TB4. Additional investigations conducted in these areas by Exxon further delineated the vertical extent of the impacted soil. Based on the additional investigations, a remedial action plan was developed. This plan called for the excavation of visually-impacted soils in the areas of concern. This generally consisted of the removal of the top two to three feet of soil. If additional visually-impacted soil was encountered, that material would be excavated until visually clean. Soil samples were collected from each of the excavations to confirm that the RWQCB Level B cleanup goals were met. Upon completion of the final site excavation, each area was "ripped" to promote natural revegetation. According to Exxon, several areas identified in the 1995 Phase I were restored using the general remediation plan. Exxon indicated that analytical data was not available to include in their report. Those sites included TB1 and associated gully, TB2 gully and bank, TB5 creek, TB6/7, TB8, condensation tank and the Round House area. All of the excavated soils were screened to separate out the clean overburden material from the asphaltic materials. Three screened piles were left on-site, two piles near Tank Battery 5 and one near Tank Battery 3. Samples collected from these stockpiles were reported to be below the Level B cleanup goals.

According to Exxon, at Tank Battery 2, Tank Battery 3, Tank Battery 3 culvert, Tank Battery 4 sump, Flare sump and the GP-17 sump, impacted soils were removed. After excavating many of these areas, residual petroleum hydrocarbon contamination remained. All of the residual contamination was reported to be below the Level B cleanup goals.

According to Exxon, former drill pits were associated with Wells #4, #11, #15 and #49. These pits were all assessed for petroleum hydrocarbons, BTEX compounds and CAM metals. The investigation revealed no concerns with the former drilling pits, and no remediation activities were conducted in these areas.

Exxon also indicated that all of the on-site oil wells were plugged under the supervision of the DOG. Upon completion of the abandonment of the wells, the excavations were backfilled. Once the wells were completely abandoned and approved by the DOG, each well site was "ripped" to promote natural revegetation.

Exxon concluded that upon, completion of the remediation of the remaining two areas, the former cooling tower sump and the debris collection area, Exxon would have complied with all of the lease cleanup requirements with respect to the subject site. A complete copy of this report is included in Appendix C.

Exxon Company U.S.A. (Exxon), Final Closure Report, Castaic Junction Oil Field, February 1997. In 1997, Exxon finished the cleanup of the two remaining areas identified in the 1995 Phase I. These areas included a partially buried debris collection area (trash pit) downslope southwest of Well HL&F 11 and a sump location (cooling tower sump) in the area of the two former glycol reboilers on the hillside west of the former office.

A visual assessment of the trash pit revealed the presence of various oil field debris, and household trash and debris. This area was excavated and the excavated material put through a power screen. The power screen removed the larger debris. Approximately 2.5 tons of metal debris was removed and transported off-site for recycling. Household debris, including wood, paper, glass, etc., was disposed of as municipal trash. Upon completion of the screening activities, the access road was "ripped" to promote natural revegetation.

Previous Phase I and Phase II investigations identified staining on the western slope of the hillside, west of the former field office. Initially, soil was excavated in this area to a

depth of 28 feet bgs. During a subsequent subsurface investigation petroleum hydrocarbon-impacted soil was found to extend to a depth of 95 feet bgs. Additional soil was excavated in this area to a final total depth of 100 feet bgs. Approximately 140,000 tons of clean overburden were removed and used to construct the roads and remediation pad. Approximately 20,000 tons of impacted soil were excavated and thermally treated on-site. An additional 4,000 tons were transported off-site for recycling. This soil was not returned to the Castaic site. Final excavation sampling was conducted by Exxon and D.E. Meyers (NL&F environmental consultant). All of the sample results were reported to contain 25 ppm or less of total VOCs.

According to Exxon, significant remediation and site restoration activities had been conducted in order to restore the subject site per the lease agreement. According to Exxon, all oil wells, surface facilities and pipelines had either been removed or abandoned. Exxon stated that they had made extensive efforts to identify and remediate any areas impacted by their operations. Based on these conclusions, Exxon requested confirmation that their efforts satisfied the conditions of their lease. A complete copy of this report is included in Appendix C.

Historical Summary

The review of historical documents indicates that portions of the subject site have been vacant undeveloped land, or used as agricultural land or cattle ranching from prior to 1903 until present. From prior to 1952 until sometime around 1995, the subject site has been located within the Castaic Junction Oil Field. As many as 51 oil wells have existed on-site. Several oil sump and oil tank locations have existed throughout the subject site. Other tank locations (which might have been oil tanks) and water tank locations also have existed on site since 1952. Structures in the western and central portions of the property were associated with the on-site oil operations. By 1988, decommissioning of the oil production operations began, and by 2002 all oil production had ceased in this area and the structures, tanks and wells were removed. Structures have existed in the northeast portion of the subject site since prior to 1903. Associated with these structures were corrals. This area was likely part of the cattle ranching operations conducted in this area from prior to 1903 until sometime around the 1960s. By 2002, all of the structures in the northeastern portion of the property had been removed. As early as 1968, portions of the subject property have been used for agricultural cropland; however, it was not until after the mid-1990s that significant agricultural production was conducted in the northeastern portion of the subject property. Since 2002, there have been no significant changes in the subject property's appearance or usage. Historical structures, well, sumps and tanks have been assigned Points of Interest (POI) numbers, which are included in Table 1 and shown in Figures 4 and 5.

SITE RECONNAISSANCE AND IMPROVEMENTS

Between November 5, 2004 and November 16, 2004, BA Environmental performed a visual reconnaissance of the 1,250-acre parcel of land located south of Henry Mayo Drive (Highway 126), north of Petero Canyon and east of Magic Mountain and Potrero Road, which is referred to as the proposed location of The Mesas East development, in Valencia, California. Planned usage for the subject property will include residential and commercial developments, parks and a school (see Figure 3). This project also includes a small strip of land currently leased by Magic Mountain amusement park, which utilizes the land for storage. Mr. Russell M. Cote of BA Environmental performed the site reconnaissance, unescorted.

The subject property consists of an approximate 1,250-acre parcel of land that has been historically utilized for cattle ranching and oil production, and more recently for agricultural production. Numerous dirt and partially paved roads traverse the subject site. Much of the subject property is covered by native vegetation, including chaparral type vegetation, low grass and oak trees. The Santa Clara River cuts across the northern portion of the subject property. This area is occupied by riparian type vegetation. Various indigenous animals, including mule deer, coyotes, jackrabbits, cottontail rabbits, skunk, opossums, rattlesnakes, various other reptiles and various birds inhabit these natural areas.

Various indications of past usage were observed throughout the subject property. These visual indications included past well location markers, cleared areas, exploration pads, debris, tanks, wells, cultivated areas and stained areas. For cataloging purposes, each of these items was labeled as "Points of Interest" (POIs) and was assigned a number. Global Positioning System (GPS) coordinates were collected for each POI. Also assigned POI numbers were past evidence observed in historical documents (e.g., historical aerial photographs and historical topographic maps). The POIs are listed, with GPS coordinates, and described in Table 1. Locations of all of the POIs are shown in Figures 4 and 5.

Most all of the subject property has seen some type of oil exploration or production. Approximately 51 oil wells were formerly located on the subject site. Additionally, associated buildings, tanks and sumps were formerly located on the subject site. All of these structures have been removed, with the exception of two tanks currently used for water storage. Areas which were occupied by structures and oil wells are currently vacant clear pads. The locations of the former oil wells are currently marked by a yellow painted steel pipe driven into the ground. The well number is welded into the side of the pipe. Visual evidence of past oil wells in the form of concrete, wood and metal debris was observed at most of the former well locations; however, this visual evidence was sparse. A large number of POIs, which are likely pads for exploratory wells, were observed throughout the subject site. At several locations of former oil wells or oil storage tanks, tar or stained soil with a petroleum hydrocarbon-like odor was observed. The tar-like substance was typically hard and limited to the surface. The stained soil tended to be more wide spread across a larger area and in most cases extended six inches or greater beneath the ground surface.

In the northeast portion of the subject property, evidence of former buildings observed in historical documents was evident (POI #s 31 and 204). This included various building material debris (e.g., concrete, asphalt, broken tile and wood) and various household debris (e.g., broken dishes, broken toys, glass debris, old cans and plastic bottles, and old clothing). In a small field to the southeast of the former structures was a concrete slab, approximately five feet by five feet square (POI #187). The purpose of this concrete slab is unknown. On the hill to the southeast of the former structures are three old water tanks, which are no longer used (POI #s 10, 11 and 12). A concrete slab and wood debris mark the location of a fourth former water tank (POI #13). To the east of this hill are four long concrete troughs, and various concrete and metal debris (POI #15). These troughs are believed to be cattle feed troughs. Further to the south of these troughs are what appeared to be concrete watering troughs (POI #16). These structures and the water tanks are likely related to the former cattle ranching operations conducted in this area from sometime prior to 1928 until sometime prior to 1968.

In the central portion of the property (the Roundhouse) and in the northwestern portion of the property (the Gas Plant), evidence of former buildings observed in historical

documents was observed (POI #s 136 and 137). This included various building material debris (e.g., concrete, asphalt, broken tile and wood) and trash (e.g., broken dishes, glass debris, old cans and plastic bottles).

During the site reconnaissance, three irrigation water wells were observed on the subject site (POI #s 29, 185 and 178). The well located in the northwestern portion of the subject site had a pump, which was electrically operated, and had a tank (former oil tank) associated with it. A well located in the central portion of the subject site appeared to be older, and had no visible pump. Only a concrete box-like structure was visible. This well did not appear to have been recently used. The water well in the northeastern portion of the subject property had a pump which was diesel powered. A 15-gallon and a 30-gallon day tank was observed next to the pump. An approximate 1,000-gallon diesel fuel AST was observed approximately 30 to 40 feet southwest of the pump (POI #29). This AST was of single-walled construction and was observed to be in steel secondary containment. No significant staining was observed beneath the pump, day tanks or AST.

Six small-diameter groundwater-monitoring wells (two inches) were observed on the subject property (POI #s 25, 27, 28, 37, 66 and 177). According to Newhall Land personnel, these wells are utilized by Seward Engineering for groundwater elevation data used for engineering purposes.

Several areas of former agricultural production were observed throughout the subject site. All of the areas appeared to have been utilized for grain crops, based on the presence of straw disked into the fields. The largest areas of agricultural production were located in the northeastern portion of the subject property. One of these areas was located on a mesa (Airport Mesa) to the west of the former ranch location. Stacks of bailed straw were observed next to the disked fields. Three irrigation standpipes were observed on the mesa top. The other large area of agricultural production was located in a small valley (Middle Canyon) west-southwest of Airport Mesa. In this area were several unattached fields. A small shallow reservoir was also observed. This is the location of the diesel powered water pump. A smaller cultivated field was observed to the south of the location of the former building in the northeast portion of the property. The next largest area of cultivated land is in the north-central portion of the property, south of the Santa Clara River. Here, a narrow strip of land (San Jose Flats) had been under cultivation. Four small cultivated fields were observed in the central and western portions of the subject property. These fields were located on what were formerly oil well pads. These areas appeared to have been used for a short period of time for grain crops. Soil samples were collected in each of the fields identified above. The samples were analyzed for pesticides. The results of the sampling are provided in the Soil Sampling for Pesticides and Herbicides Section below.

During the site reconnaissance, an area in the southwest portion of the subject property was observed to have what initially appeared to be an exploratory pad in the bottom of a small canyon (POI #170). Closer inspection of this pad revealed a significant quantity of various concrete, wood and metal debris, broken tools and equipment, broken dishes, broken bottles, old plastic bottles old metal cans, and other miscellaneous trash and debris. In addition, an old, badly deteriorated, empty 55-gallon drum (POI #171) and a 5-gallon bucket containing a small quantity of what appeared to be tar were also observed partially buried in this area. Based on visual observations, it is believed that this area may have been formerly used as a landfill.

A narrow strip of the subject property along the eastern property boundary is leased by Magic Mountain. Magic Mountain utilizes this strip of land for storage. In the northern portion of this strip of land, several 55-gallon drums and several 5-gallon buckets were

observed (POI #121). None of the containers were observed to be stored on drum pallets. The contents of the drums and buckets are unknown. No evidence of staining or spillage was observed beneath the containers. To the south of the drum storage area was a cargo container with vents in the top (POI #122). The contents of this container are unknown; however, the presence of the vents may indicate paint storage. In the central portion of this strip of land is an AST associated with a go-cart ride (POI #123). This AST contains gasoline and is of double-walled construction. No staining was observed beneath the AST. Located to the west of the AST is a cargo container with a protective berm on the east side (POI #124). This container holds aerial fireworks for Magic Mountain's aerial fireworks display. The area south of the AST is used for storage of old architectural features and parts of old amusement park rides. The southernmost portion of this strip of land is utilized by Magic Mountain as part of their nursery. This area is used predominantly for storage of old equipment, compost piles and trash storage. Two ASTs in concrete secondary containment were observed (POI #125). The contents of the AST are unknown, but likely contain a fertilizer, pesticide or herbicide.

The Santa Clara River cuts through the northern portion of the subject property. Storm water sheet flows across the subject property into small intermittent streams, which flow into the Santa Clara River.

No areas of stained soil, or significantly stained asphalt or concrete, or distressed or discolored vegetation were observed on-site during the site reconnaissance, other than those described above.

BA Environmental did not observe issues of environmental concern, such as significantly stained pavement or concrete floors, underground storage tanks (USTs), ASTs, floor drains, waste water clarifiers, or hazardous materials usage or storage, at the subject property, other than those described above.

Soil Sampling for Pesticides and Herbicides

Scope of Services

The objective of the limited soil sampling was to assess whether past use of pesticides or herbicides have impacted the shallow soils beneath the previously cultivated areas on the subject property. BA Environmental proposed to collect up to 16 composite soil samples at a depth of approximately one to two feet below ground surface (bgs).

In order to complete the limited soil sampling activities, BA Environmental performed the following tasks:

a. Collected up to 77 soil samples based upon designated use (agricultural production, grazing, etc.). The locations of the soil samples from which the composites were made are included on Figures 6-9;

b. Submitted 76 soil samples to a State of California, Department of Health Services (DHS)-certified laboratory to be composited. These samples were composited in the laboratory into 19 composite samples. In addition, one discrete soil sample was collected. The 19 composite samples and one discrete soil sample were analyzed for Organochlorine Pesticides (OCP), Organophosphorous Pesticides (OPP) and Chlorinated Herbicides (CH), using Environmental Protection Agency (EPA) Method Nos. 8081, 8141 and 8151, respectively;

c. Provided all of the necessary equipment and materials to perform the required services. This equipment included soil sampling equipment.

Soil Sampling Procedures

On November 16, 2004, BA Environmental conducted a limited soil sampling investigation using hand auger equipment. Coordination and supervision of soil sampling activities were performed by a Registered Geologist from BA Environmental.

Seventy-seven (77) shallow soil borings were advanced to a depth of between one and two feet bgs using hand auger equipment (Figures 6-9).

Following collection of the samples, the samples were labeled with the sample number, collection date and project number, placed in a cooler chilled to approximately 4° C (40° F), and retained for laboratory analyses.

Field observations of soil samples collected from all of the borings revealed no unusual odors or staining.

Decontamination

Quality assurance/quality control (QA/QC) procedures were performed to prevent cross contamination between the samples. Only clean sampling equipment was used for this drilling project. A three-stage tap water wash was used to clean equipment between boring and sampling events. New nitrile gloves were used while obtaining the samples. The soil samples were collected in clean liners.

Sample Handling and Transport

The soil samples collected from the hand auger borings to be used for chemical analyses were placed in a cooler, chilled to approximately 4° C (40° F), and transported to Enviro Chem Inc. of Pomona, California, a State of California DHS-certified laboratory, under a strict chain-of-custody prepared at the time of sampling. The samples were composited by the laboratory.

Quality Assurance/Quality Control (QA/QC)

To increase the confidence levels in the data obtained, a QA/QC program was implemented. QA refers to management of actions designed to maintain precision, accuracy and completeness of the data developed from the project. QC refers to accepted formal procedures and activities specifically designed for the purpose of collecting data that is intended to be reliable and consistent for the site conditions.

The program includes formal procedures for all field activities, including soil sampling, decontamination, instrument calibration, documentation of activities and calculations, and peer review. Routine QC procedures were performed by the laboratory, and included daily calibration of instruments, percent surrogate recoveries and analyses of matrix spikes and matrix spike duplicates (laboratory reports). The laboratory reported the results to be within acceptable percent recoveries with no results exceeding the laboratory established control limits.

Limited Soil Sampling - Laboratory Results

Seventy-six (76) of the samples collected were composited at the laboratory in groups of four. In addition, one discrete soil sample was collected. The composited and discrete soil samples were analyzed for Organochlorine Pesticides (OCP), Organophosphorous Pesticides (OPP) and Chlorinated Herbicides (CH), using Environmental Protection Agency (EPA) Method Nos. 8081 (OCP) , 8141 (OPP) and 8151 (CH).

OCP in Soil

Composited soil samples G1 through G19, and discrete soil sample R1, were analyzed for OCP and the data is presented in Table 2, which is included as an attachment to this report. In summary, the samples G1-G19 and R1 were reported not to contain detectable concentrations of OCPs. The laboratory report is included in Appendix D.

OPP in Soil

Composited soil samples G1 through G19, and discrete soil sample R1, were analyzed for OPP and the data is presented in Table 2. In summary, composited samples G9 through G16, and composited samples G18 and G19 were reported to contain Fensulfothion in concentrations ranging from 0.039 milligrams per kilogram (mg/kg) to 0.049 mg/kg. These concentrations are below the reportable concentration of 0.05 mg/kg for Fensulfothion. No other OPPs were reported in the samples. The laboratory report is included in Appendix D.

Although below the reportable concentration for Fensulfothion, the concentrations of Fensulfothion reported in composited samples G9 through G16, and composited samples G18 and G19, were compared with the Preliminary Remediation Goals (PRGs) set up by the United States Environmental Protection Agency (EPA) for various compounds and metals. No PRGs are listed for Fensulfothion. Based on these results, there is a low potential for threat to human health or the environment.

CH in Soil

Composited soil samples G1 through G19, and discrete soil sample R1 were analyzed for CH and the data is presented in Table 2. In summary, all of the samples analyzed were reported not to contain detectable concentrations of CH. The laboratory report is included in Appendix D.

Pits, Ponds and Lagoons

Pits, ponds and lagoons are often associated with the disposal of solid and liquid wastes, which may include hazardous materials. According to ASTM Standard E 1527-00, pits, ponds and lagoons are "man-made or natural depressions in the ground surface that are likely to hold liquids or sludges containing hazardous substances or petroleum products." Information obtained from the assessment indicated that pits, ponds and lagoons do not currently exist on the subject site. Based on the review of historical records of the subject site, it is unlikely that pits, ponds or lagoons have existed at the site in the past. A review

of historical aerial photographs and topographic maps revealed several old oil sumps related to past oil production on the subject site. The locations of these sumps are provided in Table 1 and are shown in Figures 4 and 5. Per a telephone conversation with Mr. Steve Mulqueen of the California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR), Exxon/Mobile conducted an extensive investigation of the subject property to identify all of the former oil sumps located on the subject property, then subsequently remediated them. It is likely that most of the sumps have been removed, as none were observed on the day of the site reconnaissance; however, it cannot be confirmed that all of the past sumps have been removed, since BA Environmental has not seen any confirmatory documentation.

What appears to be a pond or large oil sump was observed in historical aerial photographs and historical topographic maps in an agricultural field adjacent to the south of the Santa Clara River. On the day of the site visit, this pond or sump was not present.

Septic Tanks and Cesspools

Septic tanks and cesspools are often associated with the disposal of wastewater from structures that are not served by public sewer systems. Septic tanks and cesspools may be associated with hazardous materials, if such materials have been inappropriately disposed of in the past via sinks. Information obtained from the site assessment indicated that septic tanks and cesspools do not currently exist on the subject property. Historical aerial photographs indicated that structures existed in several areas of the subject property. These structures included what appeared to be residences and buildings related to past cattle ranching operations, and field offices related to the past oil production operations. It is likely that either septic tanks or cesspools were related to some of these structures. All of these structures have since been demolished, and the associated septic tanks or cesspools likely demolished with them. Locations of these historical structures are provided in Table 1 and shown in Figures 4 and 5.

Wells, Cisterns and Sumps

Six small-diameter groundwater monitoring wells (two inches) were observed on the subject property. According to Newhall Land personnel, these wells are utilized by Seward Engineering for groundwater elevation data used for engineering purposes. Locations of these groundwater monitoring wells are provided in Table 1 and shown in Figures 4 and 5.

Three irrigation water wells were observed to the south of the Santa Clara River, in the northern portion of the subject property. One was observed in a small valley occupied by previously cultivated fields in the northeastern portion of the subject property, one near a cultivated strip of land south of the Santa Clara River in the central portion of the subject property and the third in a small valley in the northwestern portion of the subject property. These three wells are used to supply irrigation water to the agricultural crops on the subject site and an adjacent property to the west. Locations of these irrigation water wells are provided in Table 1 and shown in Figures 4 and 5.

The subject property is located in the Castaic Junction Oil Field. Approximately 51 former production oil wells were formerly located on the subject site. Other exploratory wells, which may have been drilled and then abandoned, may have existed on-site. Sometime around 1992 to 1994, all of the on-site oil production wells were abandoned

under the supervision of DOGGR. See the Agency Contacts Section below. Locations of these former production oil wells are provided in Table 1 and shown in Figures 4 and 5.

A review of historical aerial photographs and topographic maps revealed several old oil sumps related to past oil production on the subject site. The locations of these sumps are provided in Table 1 and are shown in Figure 4 and 5. Per a telephone conversation with Mr. Steve Mulqueen of the California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR), Exxon/Mobile conducted an extensive investigation of the subject property to identify all of the former oil sumps located on the subject property, then subsequently remediated them. In 1996, Exxon Company U.S.A. removed and remediated eight tank batteries along with several associated sumps as part of their decommissioning of the Castaic Junction Oil Field.

What appears to be a pond or large oil sump was observed in historical aerial photographs and historical topographic maps in an agricultural field adjacent to the south of the Santa Clara River. On the day of the site visit, this pond or sump was not present. According to Newhall Land & Farming personnel, this was a pond which was later washed out in a flood. To the best of their knowledge, this pond was never used as an oil sump. The location of the historical pond or large oil sump is provided in Table 1 and shown in Figure 5.

Polychlorinated Biphenyls (PCBs)

Federal regulations put into effect following the Toxic Substance Control Act (TSCA) require that electrical transformers be labeled to identify their PCB content. The manufacture and distribution of PCBs was banned in 1979. A total of thirty (30) pole-mounted electrical transformers were observed in 12 locations on-site. Locations of the on-site electrical transformers are provided in Table 3 and shown in Figures 4 and 5. Twenty-two (22) of the transformers appeared to be of relatively recent manufacture. The remaining eight appeared to be of an older design. No staining was observed on the exterior or on the ground surface beneath the newer transformers. Some staining was noted on the exterior of some of the older transformers; however, no visible staining was noted on the ground surface beneath them. The transformers are likely owned and operated by Southern California Edison Company (SCE). SCE would be responsible for all maintenance and environmental conditions regarding the on-site transformers. PCB-containing transformers have not been manufactured since 1977. Based on visual observations, it is possible that the older looking transformers may contain PCB insulating oil.

Storage Tanks

According to the State of California Water Resources Control Board (SCWRCB) and the Los Angeles County Department of Public Works, Environmental Programs (LACDPW), USTs and/or permits do not exist for the subject property.[9]

One 1,000-gallon steel AST, one 15-gallon day tank and one 30-gallon day tank are located next to a diesel powered water pump in an agricultural area in the northeastern portion of the subject property (see Table 1 and Figures 4 and 5). The AST and the day tanks were all observed to contain diesel fuel. The AST was of single-walled

9 The EDR Radius Map with GeoCheck®, Inquiry No. 01316204.1r, November 29, 2004.

construction and was located within a steel secondary containment. The two day tanks were noted to also be of single-walled steel construction, but were not located within secondary containment. No significant staining was observed on the surfaces beneath the AST or the day tanks.

Several large ASTs associated with past oil production have exited previously on the subject site (see Table 1 and Figures 4 and 5 for locations). Most of these ASTs were located within dirt bermed areas intended to contain any large releases of oil from the ASTs. Most of the ASTs related to the past oil production activities have been removed. In some of the areas formerly occupied by these ASTs, residual contamination in the form of tar or oil stained soil was observed on the day of the site reconnaissance. Two of the former oil ASTs were converted to be used for water storage. These ASTs appear to currently be in use for this purpose.

On the day of the site reconnaissance, three ASTs were observed in the northeast portion of the subject property (see Table 1 and Figure 5). A concrete pad for a fourth AST was also observed. According to historical topographic maps, these ASTs were for water storage, likely for past cattle ranching operations in this area. These ASTs are no longer in use.

A review of historical documents has revealed what appears to have been a cattle ranch and two oil field production offices (see Table 1 and Figures 4 and 5). ASTs or USTs for the purpose of refueling vehicles may have been located in these three areas. These ASTs or USTs were likely removed when the structures in these areas were demolished. No evidence of the presence of ASTs or USTs were observed on the day of the site reconnaissance.

Utilities

Electric service is provided by SCE. No natural gas service exists for the subject site. Water service is currently provided by the Newhall Land and Farming production wells. No refuse removal service is provided to the subject property.

Visual Asbestos Survey

BA Environmental performed a visual survey of suspect friable and non-friable asbestos-containing materials (ACMs).

- Friable materials are materials which can be crumbled, pulverized, or reduced to powder by hand pressure when dry.
- Non-friable materials are materials in which the fibers have been locked in by a bonding agent, coating, or binder, and may not release fibers during normal use and handling. Improper handling, such as grinding or sanding of non-friable ACMs, will render these materials friable.

On the day of the site reconnaissance, no buildings or structures were observed. In several areas of the subject site debris was observed. Some of this scattered debris may contain asbestos. If asbestos-containing debris does exist, the amount would be small and would pose no significant threat to human health.

Radon Gas Survey

Radon is a radioactive gas that occurs naturally in the environment, and cannot be seen, smelled or tasted. The human health effect associated with exposure to elevated levels of radon is an increased risk of developing lung cancer. The US Environmental Protection Agency (EPA) and the US Center for Disease Control are concerned about the increased risk of lung cancer developing in individuals exposed to above average levels of radon in their homes or offices. In order to address these concerns, the US EPA conducted a radon survey and presented the results for various counties in 1993.[10]

The EPA's map of Radon Zones assigns each of the 3,141 counties in the United States to one of three zones. The zone designations were determined by assessing five factors that are known to be important indicators of radon potential: indoor radon measurements, geology, aerial radioactivity surveys, soil parameters and foundation types. The subject property falls within the designation of Zone 2. Zone 2 counties have a predicted average indoor radon screening level of greater than or equal to 2.0 picocuries per liter (pCi/l) and less than or equal to 4.0 pCi/l of dry air. Based on the results of the survey, the subject site appears to fall within a radon screening level below the recommended EPA Action Level of 4.0 pCi/l. It is BA Environmental's opinion, based upon these results, that it is unlikely that radon is a concern for the subject site.

ADJACENT LAND USE

During the reconnaissance of the surrounding area within a 0.25-mile radius, BA Environmental observed that the subject site is located in an area of undeveloped land and agricultural land, with oil fields and former oil fields to the northeast, northwest and south.

Adjacent land use to the subject site (Tentative Tract Map No. 53108) includes undeveloped land and a former portion of an oil field to the south, and Highway 126 and the Travel Village trailer park to the north. Magic Mountain and undeveloped land (formerly a portion of an oil field) are to the east of the subject property. Adjacent to the west of the subject property are agricultural land and undeveloped land.

Wetlands and Flood Plains

During the site reconnaissance and drive-by survey of the surrounding area, BA Environmental did not observe indications that the subject property is located within known wetlands. According to the Environmental Data Resources, Inc. (EDR) report regarding the subject site and site vicinity, no wetlands per the 1994 National Wetlands Inventory are located within a one-mile radius of the subject site. The subject site is occupied by a portion of the Santa Clara River which could be considered a wetland. According to the EDR report, portions of the subject property are located within a 100-year flood zone per the Federal Emergency Management Agency (FEMA).[11]

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10 EPA Map of Radon Zones, 1993.

11 The EDR Radius Map with GeoCheck®, Inquiry No. 01316204.1r, November 29, 2004.

Historical Sites

On the day of this site reconnaissance an area in the northeast portion of the subject property was observed to have old building debris. Some of the debris observed appeared to have been from structures, which occupied this area from the early 1900s until the late 1990s, when they were demolished. These buildings were associated with the former ranching operations. Other building material debris appeared to be much older and likely pre-dated the ranching operations. According to Newhall Land and Farming personnel, this area was formerly the location of a "satellite" mission which may have dated back to the 1700s. Reportedly, this area is proposed to be preserved as a historical site.

Endangered Species

The northeastern and north-central portions of the subject property are reportedly inhabited by the San Fernando Valley Spineflower (*Chorizanthe parryi var. fernandina*), an annual member of the Buckwheat family (Polygonaceae). This species of spineflower was believed to be extinct since the 1920s, but was rediscovered at the Ahamanson Ranch site in southeastern Ventura County, and on Newhall Ranch near Valencia/Castaic in Los Angeles County. The spineflower is known to grow in dry, sandy areas of chaparral and coastal sage scrub. In September of 2001, this species of spineflower was formerly listed by the California Fish and Game Commission as an endangered species. On the day of the site visit, the spineflower plants were not observed, since they are annual plants. Various colored pin flags were observed in the northeastern and north-central portions of the subject property, marking the locations of individual spineflowers. The different colored flags noted different years of studies. Reportedly, approximately 45 acres of the subject site has been set aside as a Spineflower Preserve (See Figure 3).

AGENCY CONTACTS

California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR)

BA Environmental visited the office of the DOGGR regarding oil well abandonment records for the subject site. The review of well abandonment records revealed that 51 oil wells were drilled on the subject property. Former oil well locations are provided in Table 4 and shown in Figures 4 and 5. A number of other oil wells were located within 500 feet of the subject property; however, DOGGR files were not reviewed for these wells. Well records obtained from the DOGGR are included as Appendix E.

Table 4
Oil Wells Located on Subject Site

Section	Township	Range	Operator	Well No.	Year Abandoned
13	4 North	17 West	Exxon	'NHL&F' 2	1988
13	4 North	17 West	Exxon	'NHL&F' 58	1993
13	4 North	17 West	Exxon	'NHL&F' 63	1993

13	4 North	17 West	Exxon	'NHL&F' 64	1993
13	4 North	17 West	Exxon	'NHL&F' 65	1993
13	4 North	17 West	Exxon	'NHL&F' 67	1995
13	4 North	17 West	Exxon	'NHL&F' 72	1992
13	4 North	17 West	Exxon	'NHL&F' 76	1993
18	4 North	16 West	Exxon	'NHL&F' 59	1993
18	4 North	16 West	Exxon	'NHL&F' 60	1988
18	4 North	16 West	Exxon	'NHL&F' 66	1990
18	4 North	16 West	Exxon	'NHL&F' 69	1988
18	4 North	16 West	Exxon	'NHL&F' 71	1990
19	4 North	16 West	Exxon	'NHL&F' 4	1995
19	4 North	16 West	Exxon	'NHL&F' 19	1995
19	4 North	16 West	Exxon	'NHL&F' 20	1992
19	4 North	16 West	Exxon	'NHL&F' 21	1992
19	4 North	16 West	Exxon	'NHL&F' 24	1995
19	4 North	16 West	Exxon	'NHL&F' 28	1992
19	4 North	16 West	Exxon	'NHL&F' 29	1990
19	4 North	16 West	Exxon	'NHL&F' 30	1995
19	4 North	16 West	Exxon	'NHL&F' 31	1993
19	4 North	16 West	Exxon	'NHL&F' 34	1990
19	4 North	16 West	Exxon	'NHL&F' 41	1988
19	4 North	16 West	Exxon	'NHL&F' 49	1995
23	4 North	17 West	Exxon	'NHL&F' 1	1993
23	4 North	17 West	Exxon	'NHL&F' 46	1991
23	4 North	17 West	Exxon	'NHL&F' 56	1992
24	4 North	17 West	Exxon	'NHL&F' 3	1977
24	4 North	17 West	Exxon	'NHL&F' 5	1995
24	4 North	17 West	Exxon	'NHL&F' 6	1995
24	4 North	17 West	Exxon	'NHL&F' 7	1992
24	4 North	17 West	Exxon	'NHL&F' 8	1993
24	4 North	17 West	Exxon	'NHL&F' 10	1995
24	4 North	17 West	Exxon	'NHL&F' 11	1992
24	4 North	17 West	Exxon	'NHL&F' 12	1988

24	4 North	17 West	Exxon	'NHL&F' 13	1992
24	4 North	17 West	Exxon	'NHL&F' 14	1992
24	4 North	17 West	Exxon	'NHL&F' 15	1992
24	4 North	17 West	Exxon	'NHL&F' 16	1992
24	4 North	17 West	Exxon	'NHL&F' 17	1992
24	4 North	17 West	Exxon	'NHL&F' 22	1992
24	4 North	17 West	Exxon	'NHL&F' 23	1995
24	4 North	17 West	Exxon	'NHL&F' 25	1993
24	4 North	17 West	Exxon	'NHL&F' 26	1995
24	4 North	17 West	Exxon	'NHL&F' 27	1993
24	4 North	17 West	Exxon	'NHL&F' 32	1992
24	4 North	17 West	Exxon	'NHL&F' 33	1987
24	4 North	17 West	Exxon	'NHL&F' 39	1991
24	4 North	17 West	Exxon	'NHL&F' 40	1992
24	4 North	17 West	Exxon	'NHL&F' 42	1993

DOGGR also supplied requirements for well abandonment procedures. A copy of the DOGGR oil well abandonment procedures is included in Appendix F. BA Environmental spoke with Mr. Steve Mulqueen regarding well abandonment. According to Mr. Mulqueen, the abandoned oil wells need to be located and plotted on the site plan for the project and submitted in triplicate to the DOGGR. Locating the wells is accomplished by hiring a surveyor to locate each well, using "location record" for each well. After this is accomplished, the well needs to be excavated. Following excavation, the well needs to be tested for gas leakage and inspected for fluid leakage by DOGGR personnel. If the well leaks or is not abandoned properly, the well may need to be re-abandoned. If fill soil is to be placed over the oil well, the casing may need to be extended to within five feet of finished grade. If the well is located within an area planned to be excavated, the well will need to be re-abandoned and the casing cut five feet below grade. If a structure is proposed within 10 feet of an abandoned/re-abandoned well, the site plans should include an approved well-vent system designed to vent natural gases to the atmosphere. If a structure is within 25 feet of an abandoned/re-abandoned well, and the permitting agency is Los Angeles County, then an approval letter would be required.

Los Angeles County Department of Public Works, Environmental Programs (LACDPW)

BA Environmental visited the office of the LACDPW regarding files for USTs and hazardous materials storage and usage. According to the LACDPW, files do not exist for the subject property.

GOVERNMENT RECORDS REVIEW

Regulatory compliance is a primary element of an ESA. Failure to comply with governmental regulations can result in fines, and can expose businesses or individuals to liabilities from which the law would otherwise shield them. The presence of hazardous wastes or hazardous materials, on-site or at neighboring sites, may present certain liabilities. Environmental Data Resources, Inc. (EDR) provided the most recent information regarding the hazardous materials sites identified below.[12] A copy of the EDR is provided in Appendix G. Sites of potential environmental concern are described at the end of this section in Table 5. It should be noted that the search radii for each database has been extended beyond ASTM requirements. The referenced search radii below are minimum distances. The actual search distances for each database is 2.0 miles from the center reference point.

1. The Federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), also known as the Superfund Act, protects the victims and the environment in the event of a hazardous materials spill. This act primarily addresses cleanup of designated Superfund hazardous waste sites (HWS). To achieve its stated purpose, CERCLA established a hazardous Substances Trust Fund, the Emergency Response Trust Fund, and the Post-Closure Liability Trust Fund. These funds compensate the victims and provide money necessary for the decontamination of the environment. The EPA compiles a list of known contaminated sites that are under consideration for the Superfund List. This list is known as the CERCLIS database. According to the August 2004 version of this document, **no** CERCLIS site is located within a 0.5-mile radius of the subject property.

   The US EPA maintains the National Priority List (NPL) under CERCLA 42 U.S.C. Section 9601 (1985). Once a site has been designated on the CERCLIS, the EPA ranks it to determine the potential risk to human health and the environment. Only those CERCLIS sites which present the greatest risk are added to the NPL, which qualifies the sites to receive CERCLA remedial funding. According to the October 2004 version of this document, **no** NPL site is located within a 1.0-mile radius of the subject property.

2. The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal, in addition to enforcing penalties against violators. The RCRA Facilities database is a compilation by the EPA of facilities which generate, store, transport, treat or dispose of hazardous waste. Small quantity generator (SQG) facilities produce between 100 kilograms and 1,000 kilograms of hazardous waste per month. Large quantity generator (LQG) facilities produce more than 1,000 kilograms of hazardous waste per month.

   According to the August 2004 listing of hazardous waste treatment, storage and disposal facilities (TSDs), **no** TSD facility is located within a 0.5-mile radius of the subject site.

   The Resource Conservation and Recovery Information System - TSDs CORRACTS report contains information pertaining to TSDs which have conducted, or are currently conducting, a corrective action as regulated under RCRA.

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12 The EDR Radius Map with GeoCheck®, Inquiry No. 01316204.1r, November 29, 2004.

According to the September 2004 version of the CORRACTS document, **no** CORRACTS facility is located within a 1.0-mile radius of the subject property.

According to the August 2004 listing of hazardous waste generators, **no** large quantity generator (LQG) facilities and **three** small quantity generator (SQG) facilities are located within a 0.5-mile radius of the subject property.

3. The California Environmental Protection Agency (Cal-EPA) maintains the California Facility Inventory Database (Ca.-FID). The Ca.-FID contains an historical listing of active and inactive UST locations from the State Water Resources Control Board. According to the October 1994 version of this database, the subject property **is not listed** on the Ca.-FID database.

4. The California Department of Toxic Substance Control's (DTSC) Annual Work Plan (AWP, formerly BEP), also known as Cal-Sites, is a listing of known hazardous waste sites. According to the October 2004 version of this document, **no** AWP sites are located within a 1.0-mile radius of the subject site.

   The DTSC maintains a database (known as the Cal-Sites ASPIS list) that includes potential or confirmed hazardous substance release properties. According to the October 2004 version of this database, **no** ASPIS site is located within a 1.0-mile radius of the subject property.

   The DTSC maintains the California Hazardous Materials Incident Report System (known as CHMIRS), which contains information on reported hazardous material incidents (accidental releases or spills). According to the December 2002 version of this database, **no** CHMIRS sites are located within a 1.0-mile radius of the subject property.

   The DTSC developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds, known as the Bond Expenditure Plan (BEP). This list is not updated. According to the January 1989 version of this database, **no** BEP site is located within a 1.0-mile radius of the subject property.

5. The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities, including the EPA, the US Coast Guard, the National Response Center, and the Department of Transportation.

   According to the December 2003 version of this document, there **has been a reported release of hazardous substances** at the subject property.

6. The State of California State Water Resources Control Board (SWRCB) maintains the California Leaking Underground Storage Tank (LUST) list. According to the October 2004 version of this document, **six** LUST sites are listed as being within a 0.5-mile radius of the subject property.

7. The SWRCB maintains an inventory (CA UST) of registered USTs. According to the October 2004 version of this document, **one** UST site is listed as being within a 0.5-mile radius of the subject property.

8. The SWRCB maintains the Hazardous Substance Storage Container Database which is a listing of Historic UST (Hist UST) sites. According to the October 1990 version of this database, the subject site **is not listed** as a Hist UST.

9. The SWRCB maintains an inventory (AST) of registered Above-ground Petroleum Storage Tank facilities. According to the December 2003 version of this database, **no** ASTs have been identified for the subject property.

10. The SWRCB maintains the Spills, Leaks, Investigations and Clean-up (SLIC) records. According to the July 2004 version of this database, **no** SLIC sites are located within a 0.5-mile radius of the subject property.

11. The California Governor's Office of Planning and Research annually publishes a listing of potential and confirmed HWS throughout the State of California under Government Code Section 65962.5. This list is also known as the Cortese List. According to the April 2001 version of this list, **six** Cortese sites are located within a 1.0-mile radius of the subject site.

12. The California Integrated Waste Management Board maintains a list of permitted solid waste landfills (SWF/LF), incinerators and transfer stations. According to the September 2004 version of this database, **no** SWF/LF sites are located within a 0.5-mile radius of the subject property.

13. BA Environmental reviewed the list of "orphan" sites, which have inadequate address information and are therefore unplotted. **Thirty-three (33)** "orphan" sites are listed. The "orphan" sites appear to be located at a distance greater than 0.25 miles from the subject property. Based on the distance of the "orphan" sites from the subject property, there is a low potential for environmental impact to the subject property.

Table 5
GOVERNMENT-LISTED DATABASES
IDENTIFIED SITES OF ENVIRONMENTAL CONCERN

Site of Concern And Address	Distance and Direction from Subject Property	Databases	Regulatory Status	Potential Environmental Impact
Castaic Junction Field	Subject Property	ERNS	Release of crude oil and production water, cleaned up by Exxon	Low
Travel Village/Fiesta Resorts/Valencia Travel Village 27946 Henry Mayo Drive	200 Feet North (cross-gradient)	Hist. UST HMS HAZNET CA FID	One 500-gallon gasoline UST removed, Not on LUST list, No Violations	Low
Schwartz Oil Co 27241 Henry Mayo Dr	1,320 Feet North-northeast (up/cross-gradient)	Hist. UST UST EMI HAZNET LUST Cortese FINDS CA FID	Release of gasoline to "other groundwater," case closed 8/30/96	Low

Site of Concern And Address	Distance and Direction from Subject Property	Databases	Regulatory Status	Potential Environmental Impact
Newhall Land & Farming 27230 Henry Mayo Rd	1,320 Feet North-northeast (up/cross-gradient)	LUST Cortese	Release of gasoline to "soil only," case closed 1/29/90	Low
LA Co Fire Station #076 27223 Henry Mayo Dr	1,500 Feet Northeast (up/cross-gradient)	LUST Cortese HMS AST CA FID Hist. UST	Release of hydrocarbons to "soil only," case closed 8/13/97	Low
R.M. Pyles Boys Camp, Inc. 27211 Henry Mayo Dr	1,580 Feet Northeast (up/cross-gradient)	Hist. UST HMS	Not on LUST list	Low
Stockdale Materials Co., Inc 28762 Castaic Canyon Rd	2,110 Feet Northeast (up/cross-gradient)	Hist. UST	Not on LUST list	Low
Newhall Land & Farming 28760 Castaic Canyon Rd	2,110 Feet Northeast (up/cross-gradient)	LUST Cortese HMS	Release of gasoline to "soil only," case closed 1/10/90	Low
Newhall Land & Farming 28756 Castaic Canyon Rd	2,110 Feet Northeast (up/cross-gradient)	SQG FINDS	No Violations	Low
Exxon Co USA 27101 W Henry Mayo Dr	2,110 Feet Northeast (up/cross-gradient)	HMS	No Violations	Low
Tri R Trucking 28748 Castaic Cyn Rd	2,110 Feet Northeast (up/cross-gradient)	SQG FINDS HAZNET LUST Cortese CA WDS Hist UST	No Violations, release of diesel fuel to "soil only," case closed 10/11/94	Low
Western Energy Sciences 28760 N Castaic Canyon Rd	2,110 Feet Northeast (up/cross-gradient)	HMS	No Violations	Low
Kennedy Storage 28754 N Castaic Canyon Rd	2,110 Feet Northeast (up/cross-gradient)	HMS	No Violations	Low
Classic Cartage 28748 N Castaic Canyon Rd	2,110 Feet Northeast (up/cross-gradient)	HMS	No Violations	Low
3D Systems 26801 Avenue Hall	2,110 Feet Northeast (up/cross-gradient)	Site Mitigation	Abatement Date 11/3/97	Low

Site of Concern And Address	Distance and Direction from Subject Property	Databases	Regulatory Status	Potential Environmental Impact
Chevron Station # 91899 28805 The Old Rd	2,640 Feet Northeast (up/cross-gradient)	HAZNET Hist UST LUST SQG FINDS Cortese HMS	Release of waste oil to "other groundwater," case closed 4/20/99	Low
Calif Highway Patrol 28648 N The Old Rd	2,640 Feet Northeast (up/cross-gradient)	CA FID HAZNET UST	Not on LUST list	Low
Caltrans N. Region Maint. Stat 28820 N. The Old Rd.	2,640 Feet Northeast (up/cross-gradient)	SQG FINDS AST HAZNET	No violations	Low
Pacific Bell 28618 The Old Road	2,640 Feet Northeast (up/cross-gradient)	UST HMS HAZNET	Not on LUST list	Low

The subject property is listed on the ERNS database. According to the database, equipment failure resulted in the release of approximately 44 gallons of crude oil and 132 gallons of production water. The release occurred at Tank Battery #5. Reportedly, Exxon, the responsible party, cleaned up the spill. Based on the fact that the release was cleaned up promptly, there is a low potential that this release significantly impacted the subject property. The closest off-site facility is located at 27946 Henry Mayo Drive, adjacent to the north of the subject property. This facility Travel Village/Fiesta Resorts/Valencia Travel Village is located approximately 200 feet north of the subject property, in an assumed cross-gradient location relative to the regional groundwater flow direction. No impact from this facility is likely. Based on the status and distances of the remaining facilities, there is a low potential for environmental impact due to off-site sources.

FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

The subject property consists of an approximate 1,250-acre parcel of land that has been historically utilized for cattle ranching and oil production, and more recently for agricultural production. Numerous dirt roads and partially paved roads traverse the subject site. The subject property is located south of Henry Mayo Drive (Highway 126), north of Petero Canyon and east of Magic Mountain and Potrero Road, which is referred to as the proposed location of The Mesas East development, in Valencia, California. Planned usage for the subject property will include residential and commercial developments, parks and a school. This project also includes a small strip of land currently leased by Magic Mountain amusement park, which utilizes the land for storage.

The review of historical documents indicates that portions of the subject site have been vacant undeveloped land, or used as agricultural land or cattle ranching from prior to 1903 until present. From prior to 1952 until sometime around 1995, the subject site has been located within the Castaic Junction Oil Field. As many as 51 oil wells have existed on-site. Several oil sump and oil tank locations have existed throughout the subject site. Other tank locations (which might have been oil tanks) and water tank locations have also existed on site since 1952. Structures in the west and central portions of the

property (the Roundhouse and the Gas Plant) were associated with the on-site oil operations. By 1988, decommissioning of the oil production operations began, and by 2002 all oil production had ceased in this area and the structures, tanks and wells had been removed. Structures have existed in the northeast portion of the subject site since prior to 1903. Associated with these structures were corrals. This area was likely part of the cattle ranching operations conducted in this area from prior to 1903 until sometime around the 1960s. By 2002, all of the structures in the northeastern portion of the property had been removed. As early as 1968, portions of the subject property have been used for agricultural cropland; however, it was not until after the mid-1990s that significant agricultural production was conducted in the northeastern portion of the subject property. Since 2002, there have been no significant changes in the subject property's appearance or usage.

BA Environmental performed a site reconnaissance of the subject property. Much of the subject property is covered by native vegetation, including chaparral type vegetation, low grass and oak trees. The Santa Clara River cuts across the northern portion of the subject property. This area is occupied by riparian type vegetation. Various indigenous animals, including mule deer, coyotes, jackrabbits, cottontail rabbits, skunk, opossums, rattlesnakes, various other reptiles and various birds inhabit these natural areas.

Various indications of past usage were observed throughout the subject property. These visual indications included past well location markers, cleared areas, exploration pads, debris, tanks, wells, cultivated areas and stained areas. For cataloging purposes, each of these items was labeled as "Points of Interest" (POIs) and was assigned a number. Global Positioning System (GPS) coordinates were collected for each POI. Also assigned POI numbers were past evidence observed in historical documents (e.g., historical aerial photographs and historical topographic maps).

Most all of the subject property has seen some type of oil exploration or production. Approximately 51 oil wells were formerly located on the subject site. Additionally, associated buildings, tanks and sumps were formerly located on the subject site. All of these structures have been removed, with the exception of two tanks currently used for water storage. Areas which were occupied by structures and oil wells are currently vacant clear pads. The locations of the former oil wells are currently marked by a yellow painted steel pipe driven into the ground. The well number is welded into the side of the pipe. Visual evidence of past oil wells in the form of concrete, wood and metal debris was observed at most of the former well locations; however, this visual evidence was sparse. A large number of POIs, which are likely pads for exploratory wells, were observed throughout the subject site. At several locations of former oil wells or oil storage tanks, tar or stained soil with a petroleum hydrocarbon-like odor was observed. The tar-like substance was typically hard and limited to the surface. The stained soil tended to be more wide spread across a larger area and in most cases extended six inches or greater beneath the ground surface.

In the northeast portion of the subject property, evidence of former buildings observed in historical documents was evident. This included various building material debris (e.g., concrete, asphalt, broken tile and wood) and various household debris (e.g., broken dishes, broken toys, glass debris, old cans and plastic bottles, and old clothing). In a small field to the southeast of the former structures was a concrete slab, approximately five feet by five feet square. The purpose of this concrete slab is unknown. On the hill to the southeast of the former structures are three old water tanks, which are no longer used. A concrete slab and wood debris mark the location of a fourth former water tank. To the east of this hill are four long concrete troughs, and various concrete and metal debris. These troughs are believed to be cattle feed troughs. Further to the south of these troughs

are what appeared to be concrete watering troughs. These structures and the water tanks are likely related to the former cattle ranching operations conducted in this area from sometime prior to 1928 until sometime prior to 1968.

In the central portion of the property (the Roundhouse) and in the northwestern portion of the property (the Gas Plant), evidence of former buildings observed in historical documents was observed. This included various building material debris (e.g., concrete, asphalt, broken tile and wood) and trash (e.g., broken dishes, glass debris, old cans and plastic bottles).

During the site reconnaissance, three irrigation water wells were observed on the subject site. The well located in the northwestern portion of the subject site had a pump, which was electrically operated, and had a tank (former oil tank) associated within. A well located in the central portion of the subject appeared to be older, and had no visible pump. Only a concrete box-like structure was visible. This well did not appear to have been recently used. The water well in the northeastern portion of the subject property had a pump which was diesel powered. A 15-gallon and a 30-gallon day tank was observed next to the pump. An approximate 1,000-gallon diesel fuel AST was observed approximately 30 to 40 feet southwest of the pump. This AST was of single-walled construction and was observed to be in steel secondary containment. No significant staining was observed beneath the pump, day tanks or AST.

Six small-diameter groundwater monitoring wells (two inches) were observed on the subject property. According to Newhall Land personnel, these wells are utilized by Seward Engineering for groundwater elevation data used for engineering purposes.

Several areas of former agricultural production were observed throughout the subject site. All of the areas appeared to have been utilized for grain crops, based on the presence of straw disked into the fields. The largest areas of agricultural production were located in the northeastern portion of the subject property. One of these areas was located on a mesa to the west of the former ranch location. The other large area of agricultural production was located in a small valley west-southwest of the mesa. In this area were several unattached fields. A small shallow reservoir was also observed. This is the location of the diesel powered water pump. A smaller cultivated field was observed to the south of the location of the former building in the northeast portion of the property. The next largest area of cultivated land is located in the north-central portion of the property, south of the Santa Clara River. Here, a narrow strip of land had been under cultivation. Four small cultivated fields were observed in the central and western portions of the subject property. These fields were located on what were formerly oil well pads. These areas appeared to have been used for a short period of time for grain crops.

During the site reconnaissance, an area in the southwest portion of the subject property was observed to have what initially appeared to be an exploratory pad in the bottom of a small canyon. Closer inspection of this pad revealed a significant quantity of various concrete, wood and metal debris, broken tools and equipment, broken dishes, broken bottles, old plastic bottles old metal cans, and other miscellaneous trash and debris. In addition, an old, badly deteriorated, empty 55-gallon drum and a 5-gallon bucket containing a small quantity of what appeared to be tar were also observed partially buried in this area. Based on visual observations, it is believed that this area may have been formerly used as a landfill.

A narrow strip of the subject property along the eastern property boundary is leased by Magic Mountain. Magic Mountain utilizes this strip of land for storage. In the northern

portion of this strip of land, several 55-gallon drums and several 5-gallon buckets were observed. None of the containers were observed to be stored on drum pallets. The contents of the drums and buckets are unknown. No evidence of staining or spillage was observed beneath the containers. To the south of the drum storage area was a cargo container with vents in the top. The contents of this container are unknown; however, the presence of the vents may indicate paint storage. In the central portion of this strip of land is an AST associated with a go-cart ride. This AST contains gasoline and is of double-walled construction. No staining was observed beneath the AST. Located to the west of the AST is a cargo container with a protective berm on the east side. This container holds aerial fireworks for Magic Mountain's aerial fireworks display. The area south of the AST is used for storage of old architectural features and parts of old amusement park rides. The southernmost portion of this strip of land is utilized by Magic Mountain as part of their nursery. This area is used predominantly for storage of old equipment, compost piles and trash storage. Two ASTs in concrete secondary containment were observed. The contents of the ASTs are unknown, but likely contain a fertilizer, pesticide or herbicide.

No areas of stained soil, or significantly stained asphalt or concrete, or distressed or discolored vegetation were observed on-site during the site reconnaissance, other than those described above.

BA Environmental did not observe issues of environmental concern, such as significantly stained pavement or concrete floors, USTs, ASTs, floor drains, waste water clarifiers, or hazardous materials usage or storage, at the subject property, other than those described above.

BA Environmental completed limited soil sampling at the above-referenced site to assess whether past use of pesticides or herbicides has impacted the shallow soils beneath the previously cultivated areas on the subject property.

Seventy-seven (77) shallow hand auger borings were advanced to depths of between one and two feet bgs.

Field observations of soil samples collected from all of the borings revealed no unusual odors or discoloration. Groundwater was not encountered in any of the shallow borings.

Samples collected were composited at the laboratory in groups of four samples. The composited samples were analyzed for Organochlorine Pesticides (OCP), Organophosphorous Pesticides (OPP) and Chlorinated Herbicides (CH) using Environmental Protection Agency (EPA) Method Nos. 8081 (OCP) , 8141 (OPP) and 8151 (CH).

All of the soil samples analyzed were reported not to contain detectable concentrations of OCP or CH.

Composited samples G9 through G16, and composited samples G18 and G19 were reported to contain Fensulfothion in concentrations ranging from 0.039 milligrams per kilogram (mg/kg) to 0.049 mg/kg. These concentrations are below the reportable concentration of 0.05 mg/kg for Fensulfothion. No other OPPs were reported in the samples.

Although below the reportable concentration for Fensulfothion, the concentrations of Fensulfothion reported in composited samples G9 through G16, and composited samples G18 and G19, were compared with the Preliminary Remediation Goals (PRGs) set up by

the United States Environmental Protection Agency (EPA) for various compounds and metals. No PRGs are listed for Fensulfothion. Based on these results, there is a low potential for threat to human health or the environment.

BA Environmental performed a review of available government database records. The subject property is listed on the ERNS database. According to the database, equipment failure resulted in the release of approximately 44 gallons of crude oil and 132 gallons of production water. The release occurred at Tank Battery #5. Reportedly, Exxon, the responsible party, cleaned up the spill. Based on the fact that the release was cleaned up promptly, there is a low potential that this release significantly impacted the subject property. The closest off-site facility is located at 27946 Henry Mayo Drive, adjacent to the north of the subject property. This facility Travel Village/Fiesta Resorts/Valencia Travel Village is located approximately 200 feet north of the subject property, in an assumed cross-gradient location relative to the regional groundwater flow direction. No impact from this facility is likely. Based on the status and distances of the remaining facilities, there is a low potential for environmental impact due to off-site sources.

BA Environmental has performed a Phase I ESA, in conformance with the scope and limitations of ASTM Practice E 1527-00, of the vacant 1,250-acre parcel of land located south of Henry Mayo Drive (Highway 126), north of Petero Canyon and east of Magic Mountain and Potrero Road, which is referred to as the proposed location of The Mesas East development, in Valencia, California. In addition, a small strip of land currently leased by Magic Mountain, adjacent to the east of Potrero Road, is also included in the subject site. Any exceptions to, or deletions from, this practice are described in the Introduction section of this report.

This assessment has revealed the following historical recognized environmental conditions with regard to the subject site:

- Several ASTs and sumps, associated with oil production, existed on-site from prior to 1952 until prior to 2002.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property, except the following:

- Approximately 51 oil wells and associated production area existed on the subject property;
- Staining was observed near several of the former oil well;
- Structures related to a "gas plant" were located on Exxon Mesa;
- Three areas of structures were located on-site. Two were former oil company field offices and the third associated with the former ranching operations. ASTs or USTs for fueling purposes may have been located at these structures;
- A large pond or sump was formerly located in the narrow strip of land in the north-central portion of the property, south of the Santa Clara River;
- Two day tanks and a 1,000-gallon AST are associated with a diesel powered water pump; and
- Former landfill was located in a small canyon in the southwest portion of the subject property. Debris was screened from this land fill. Evidence of drums and buckets remain in the landfill area. No soil samples were collected from this area.

BA Environmental recommends the following:

- If disturbed, or if located within an area of redevelopment, all former oil wells located on the subject property should be re-abandoned according to all applicable local and state regulations;
- The areas of former ponds, gas plant, landfill and structures should be assessed for potential impact to the subject site;
- Areas of visible staining should be assessed if they are not planned for excavation, or are located in an area planned to be raised in grade; and
- Areas of visible staining that are scheduled to be excavated should have any visibly impacted soil disposed of in accordance with all federal, state and local regulations.

Since this area has been historically used for oil production, structures or contamination which could not be reasonably identified in this investigation, although unlikely, may exist. BA Environmental recommends that any stained areas or unidentified structures encountered during grading operations should be assessed upon discovery.

Although not a recognized environmental condition, it is recommended that all groundwater monitoring wells or production water wells be abandoned according to applicable local and state regulations, prior to redevelopment, if not planned to be used.

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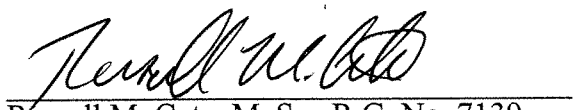
Prepared by: 
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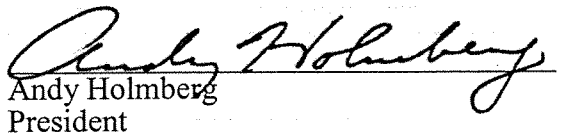
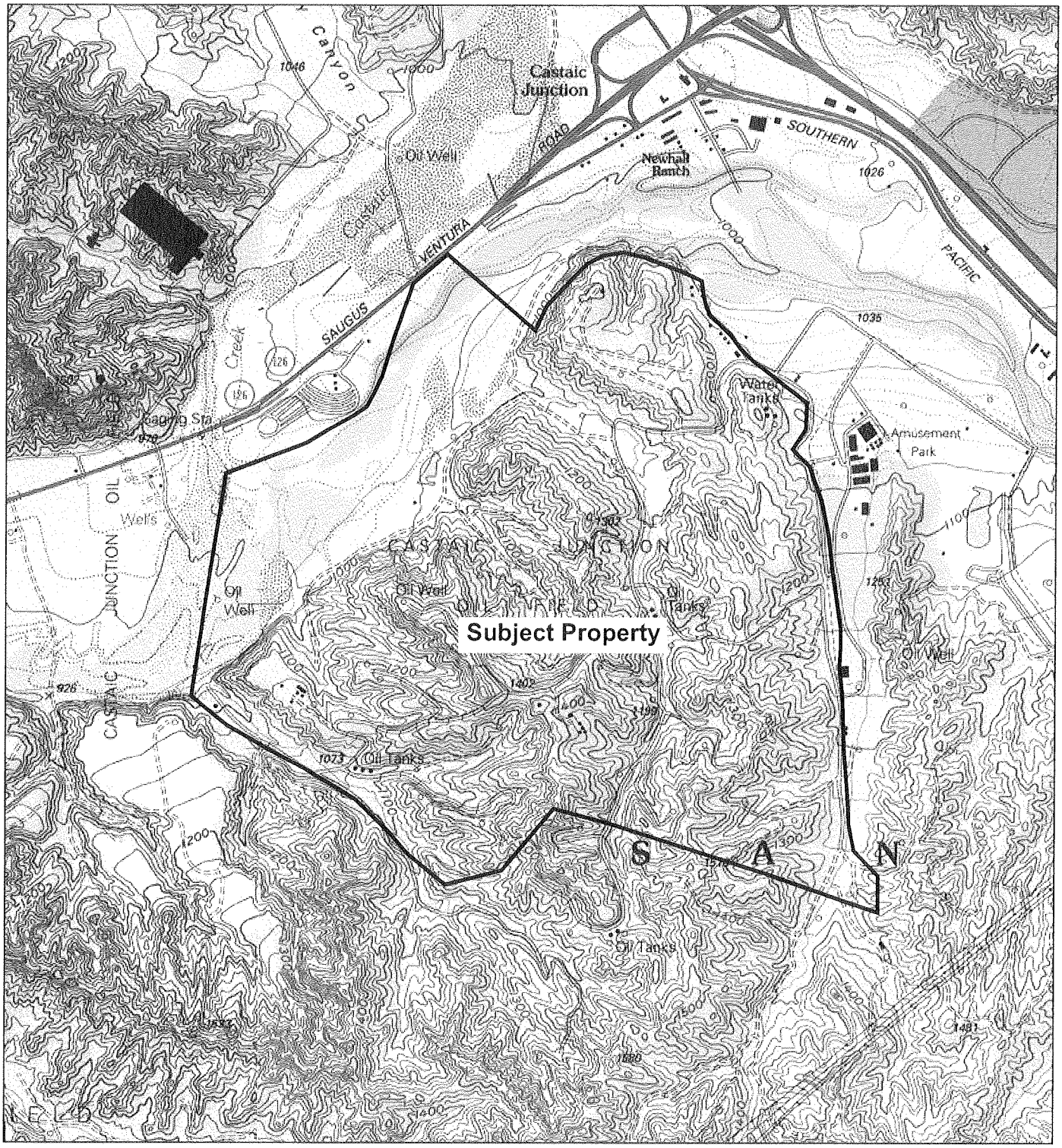
Reviewed by: 
Andy Holmberg
President

ATTACHMENTS

FIGURES



Reference: USGS Newhall and Val Verde Quadrangles, California
7.5 Minute Series

SCALE - 1:24,000

NORTH

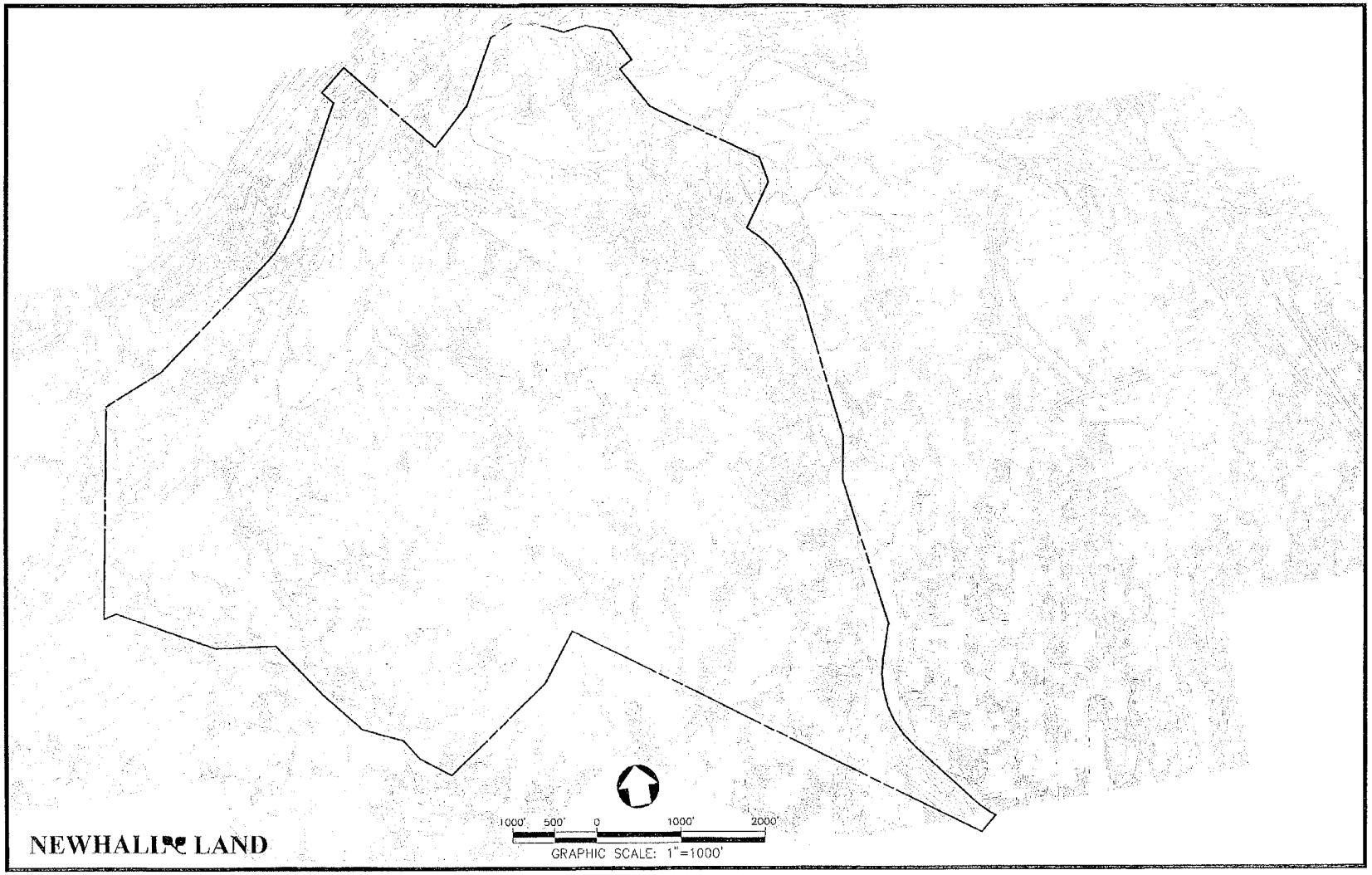
BA ENVIRONMENTAL

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROJECT: **Proposed The Mesas East**
Valencia, California

PROJECT NO.
104229

FIGURE
1



BA ENVIRONMENTAL

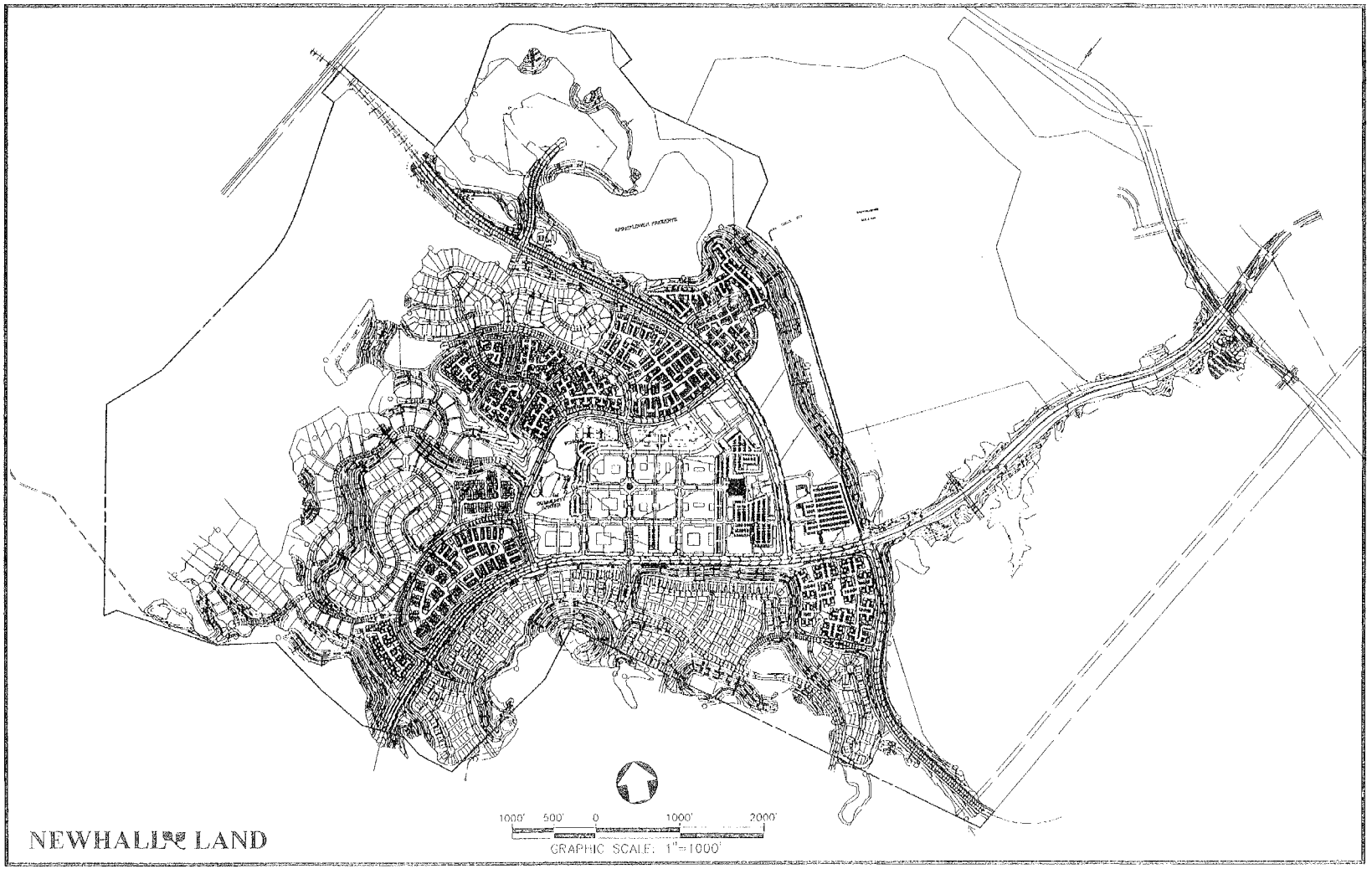
TOPOGRAPHIC MAP OF SUBJECT PROPERTY

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROJECT: **Proposed The Mesas East**
Valencia, California

PROJECT NO.
104229

FIGURE
2



BA ENVIRONMENTAL

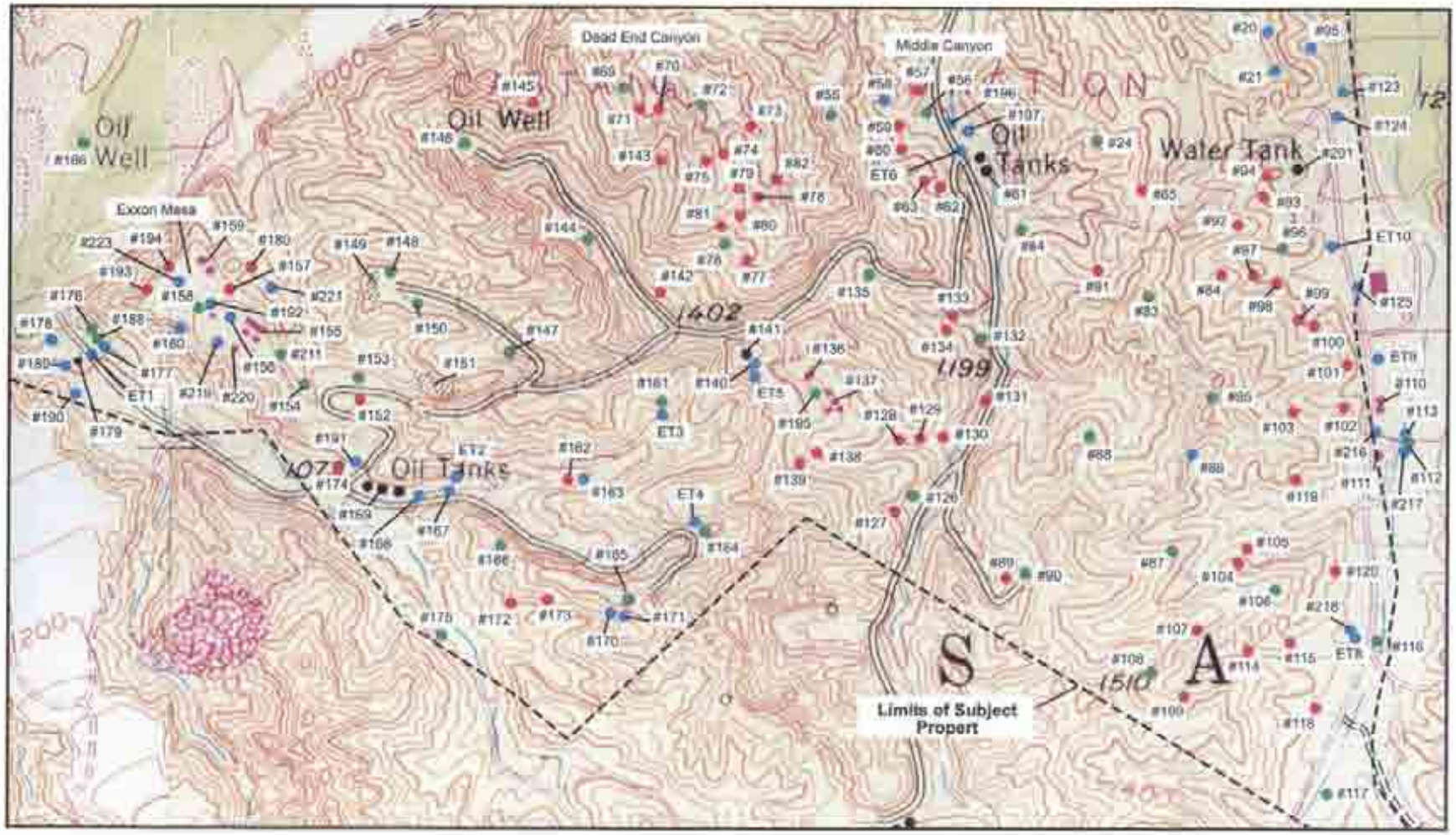
PROPERTY DEVELOPMENT PLAN

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROJECT: **Proposed The Mesas East**
Valencia, California

PROJECT NO.
104229

FIGURE
3



Legend

- = Location of Identified Former Oil Well or Suspect Oil Well
- = Exploratory Pads or Unidentified Cleared Areas
- = Other Points of Interest
- #1 = POI Designation
- ET1 = Electrical Transformer Designation

NORTH

0 8570

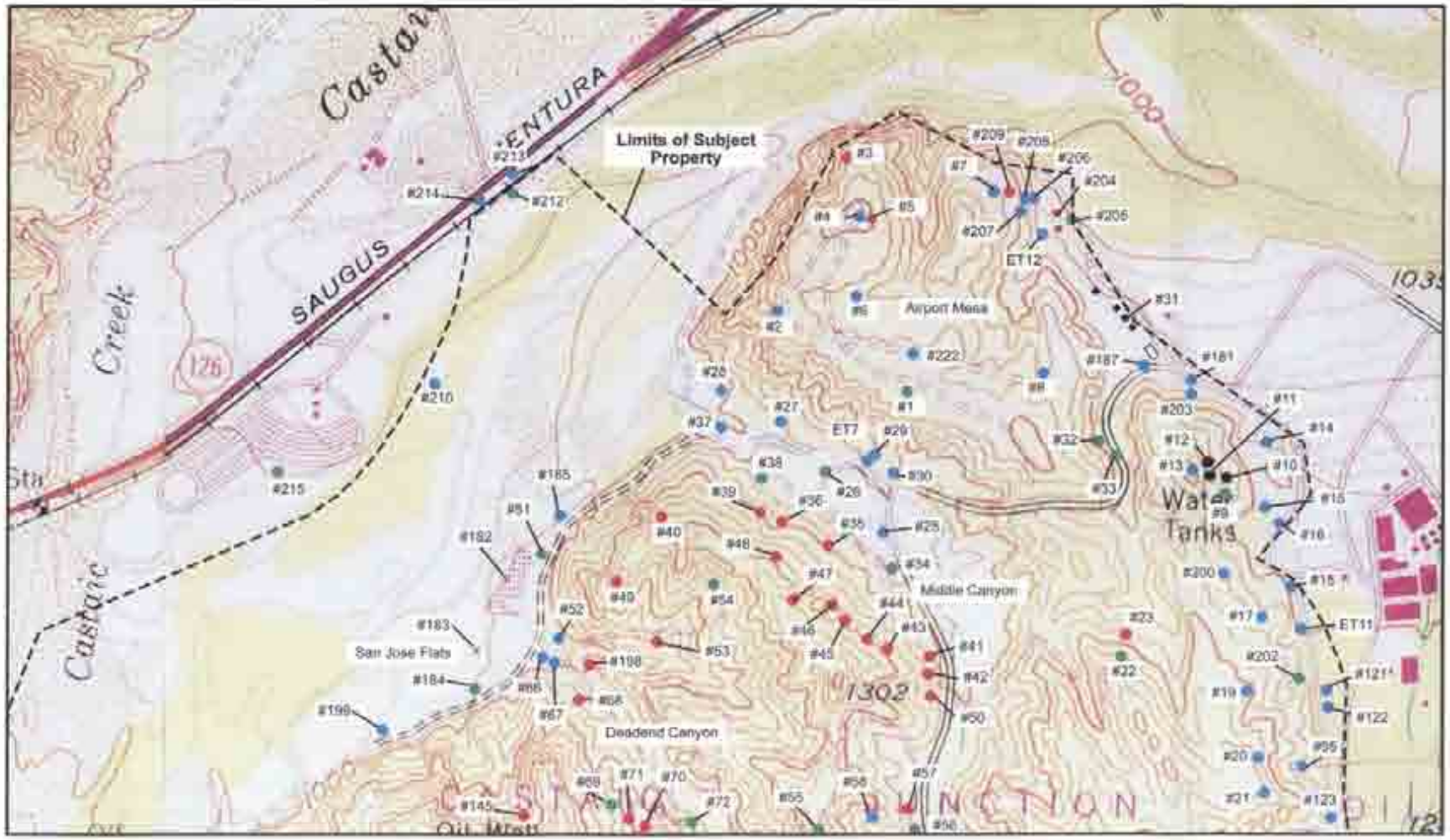
Approximate Scale, feet

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Points of Intrest (POIs)

PROJECT: **Proposed The Mesas East**
Valencia, California

PROJECT NO
104229

FIGURE
4



NORTH

0 X370

Approximate Scale, feet

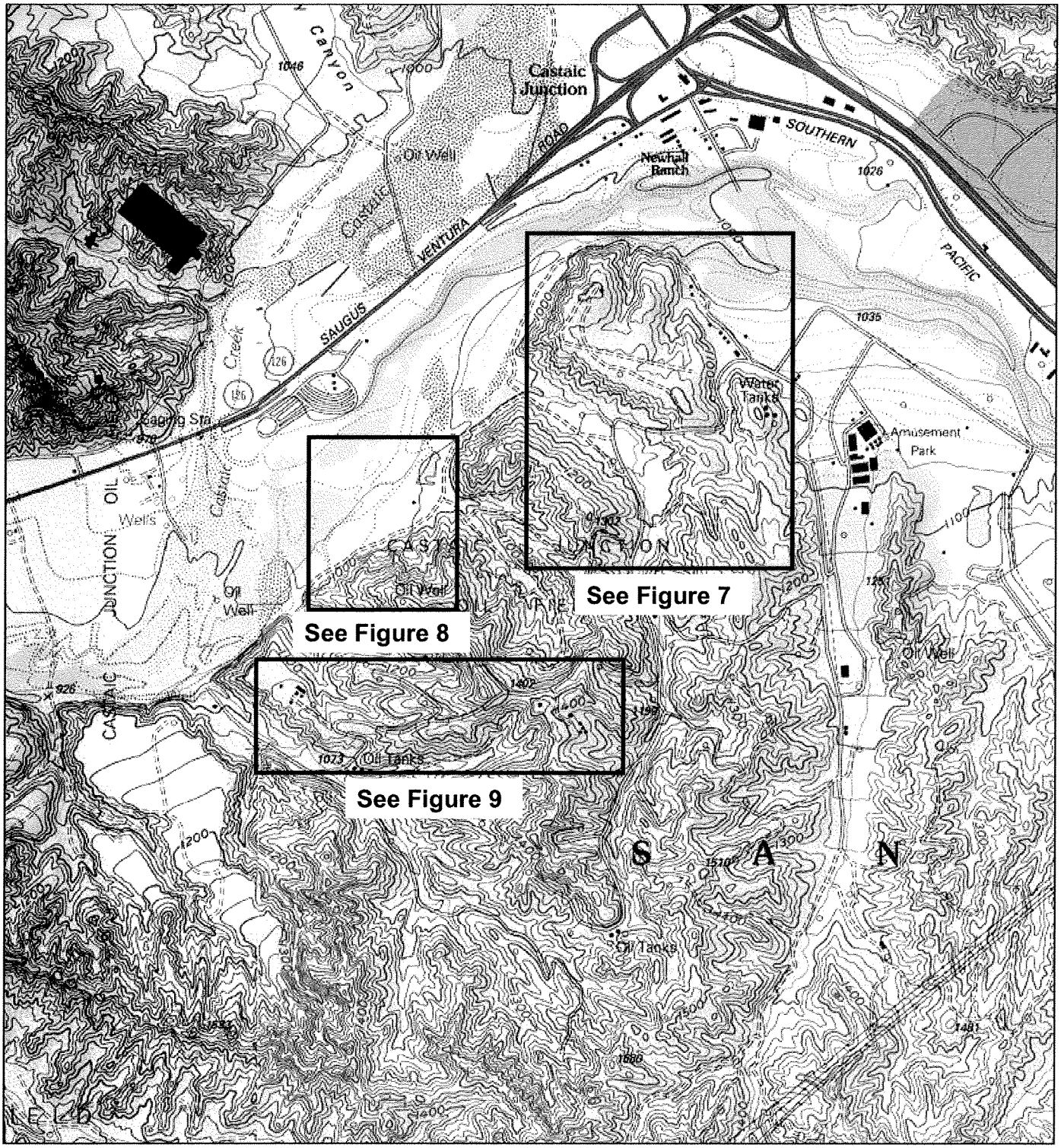
= Location of Identified Former Oil Well or Suspect Oil Well
= Exploratory Pads or Unidentified Cleared Areas
= Other Points of Intrest
#1 = POI Designation
ET1 = Electrical Transformer Designation

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Points of Intrest (POIs)

PROJECT: **Proposed The Mesas East**
Valencia, California

PROJECT NO.
104229

FIGURE
5



SCALE - 1:24,000

NORTH

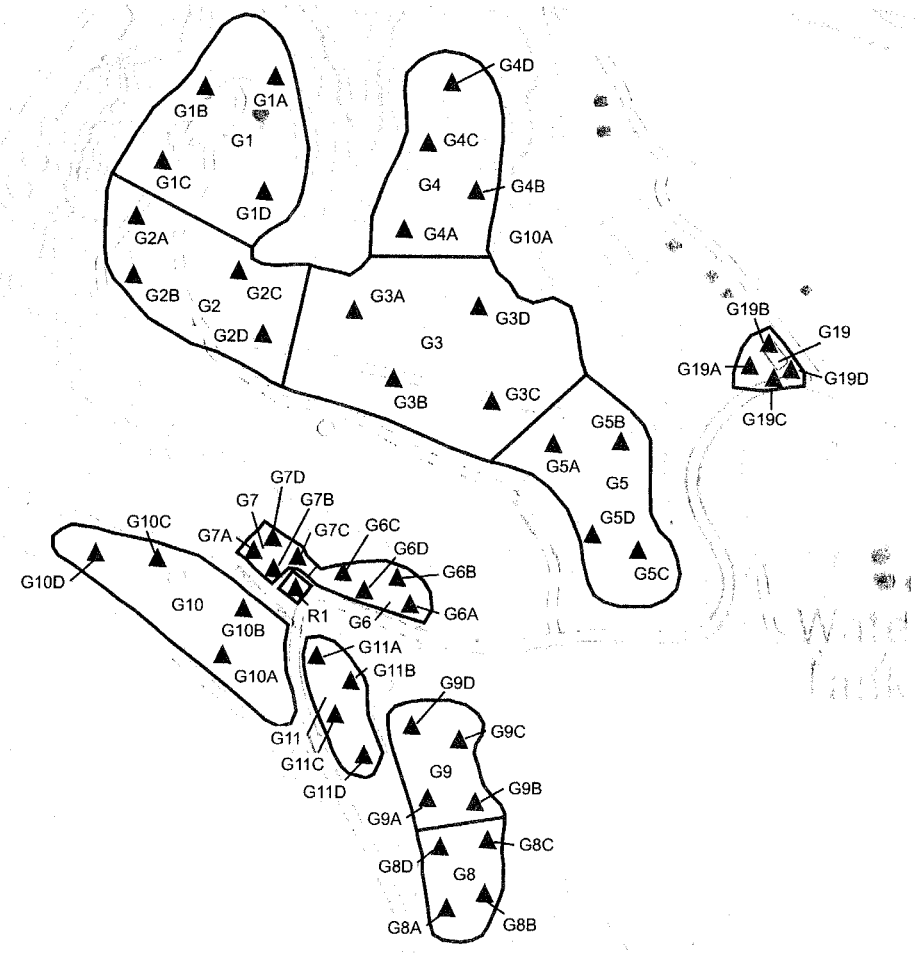
BA ENVIRONMENTAL

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROJECT: **Proposed The Mesas East**
Valencia, California

PROJECT NO.
104229

FIGURE
6



BA ENVIRONMENTAL

NORTH

0 5715

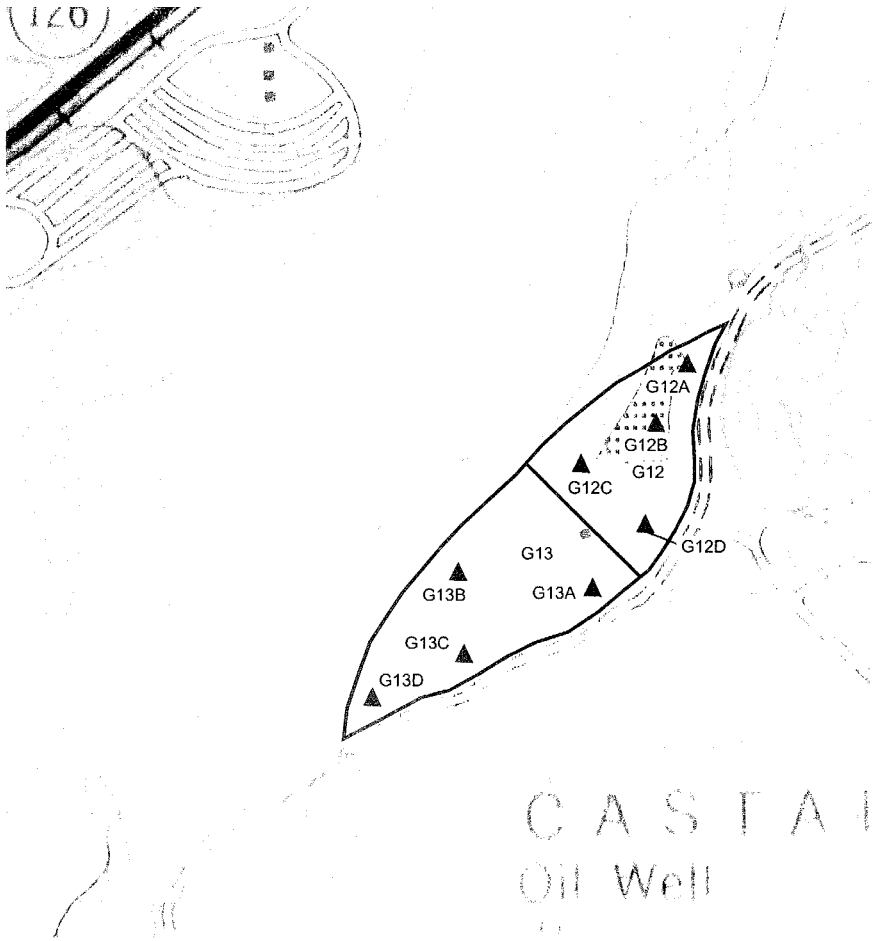
Approximate Scale, feet

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Pesticide Sample Location Map - Park Site East

PROJECT: **Proposed The Mesas East**
Valencia, California

PROJECT NO.
104229

FIGURE
7



BA ENVIRONMENTAL

NORTH

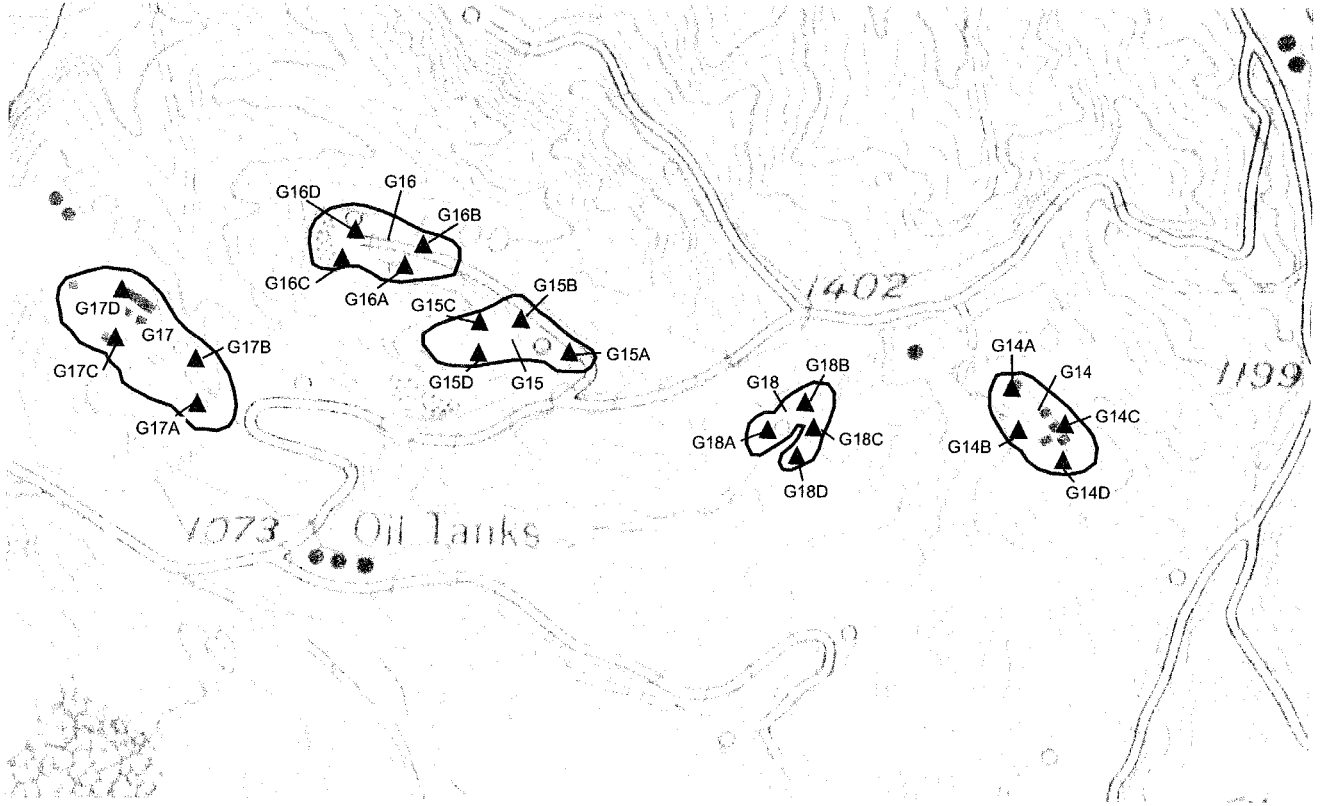
0 5715
Approximate Scale, feet

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Pesticide Sample Location Map

PROJECT: **Proposed The Mesas East**
Valencia, California

PROJECT NO.
104229

FIGURE
8



BA ENVIRONMENTAL

NORTH

0 5715

Approximate Scale, feet

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Pesticide Sample Location Map - Park Site West

PROJECT: **Proposed The Mesas East**
Valencia, California

PROJECT NO.
104229

FIGURE
9

SITE PHOTOGRAPHS

1

1. View of subject property.

2

2. Location of former structures related to cattle ranching operation.

3

3. Location of possible historical site.

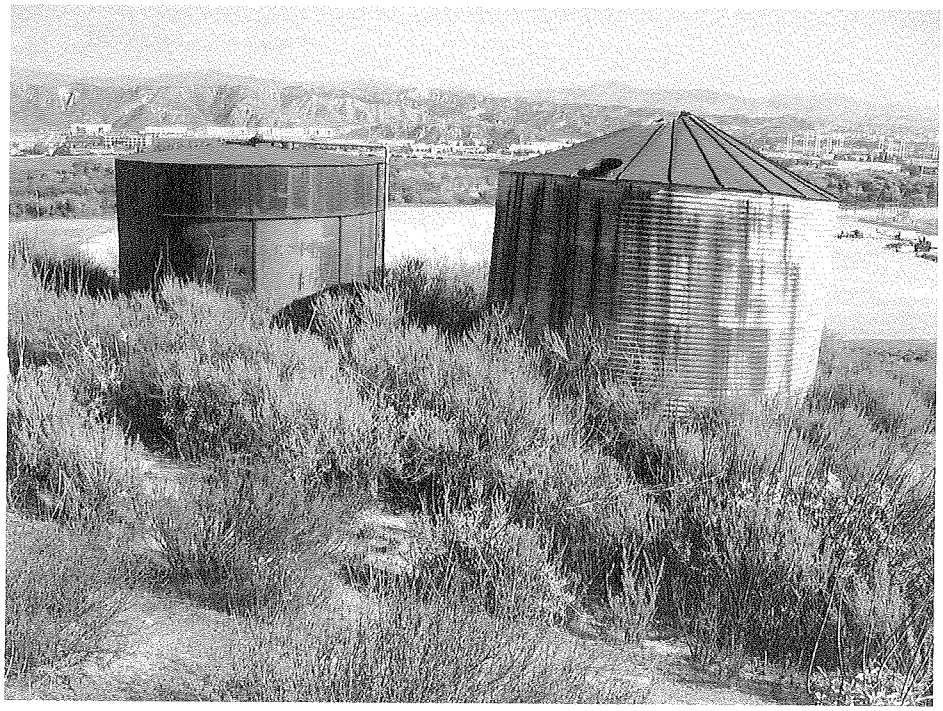
4

4. 5' by 5' concrete slab near former ranch buildings.

5

5. Location of former oil well.

6



6. Old water tanks in northeastern portion of property.

7

7. Demolished water tank on hill in northeastern portion of property.

8

8. Old cattle feeding troughs.

9

9. Tar-like substance.

10

10. Location of former Tank Battery 5.

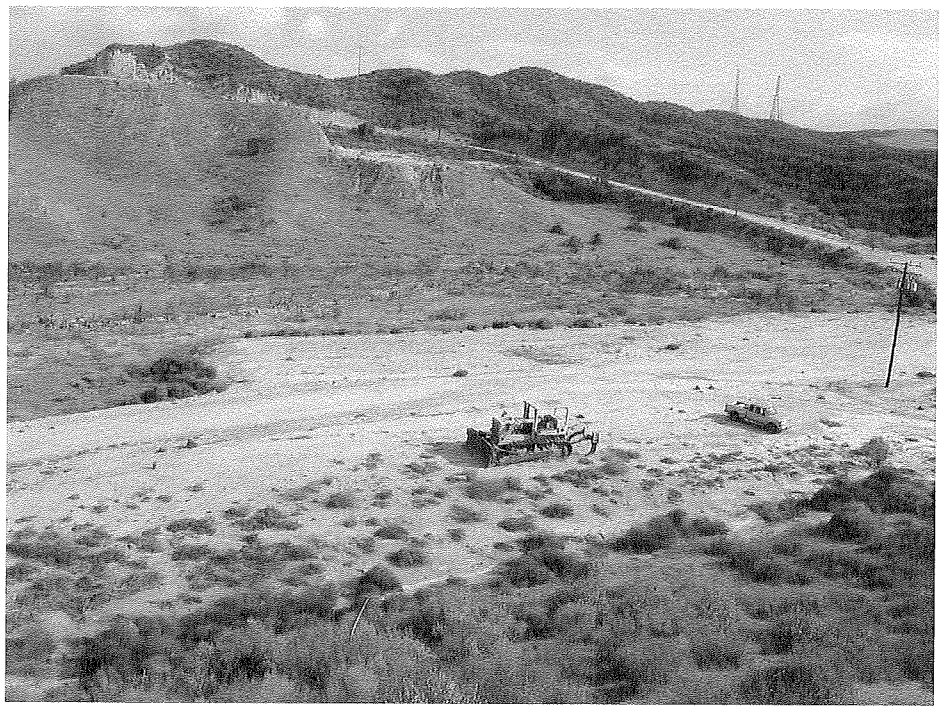
11

11. Petroleum hydrocarbon impacted soil.

12

12. Petroleum hydrocarbon stained soil near former oil well.

13



13. Location of former Tank Battery 8.

14

14. Drums stored on property leased by Magic Mountain.

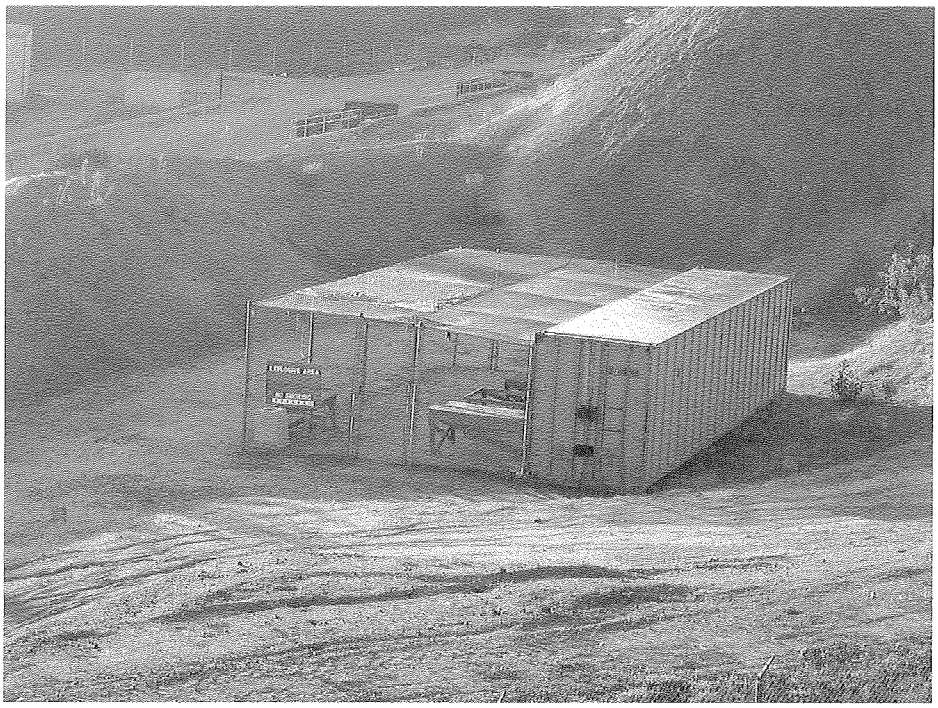
15

15. Vented cargo container on property leased by Magic Mountain.

16

16. Fuel AST on property leased by Magic Mountain.

17



17. Cargo container for fireworks storage on property leased by Magic Mountain.

18

18. Pesticide or herbicide ASTs on property leased by Magic Mountain.

19

19. View of Airport Mesa.

20

20. Abandoned piping at location of former tank on Airport Mesa.

21

21. View of Middle Canyon.

22

22. Small reservoir in Middle Canyon.

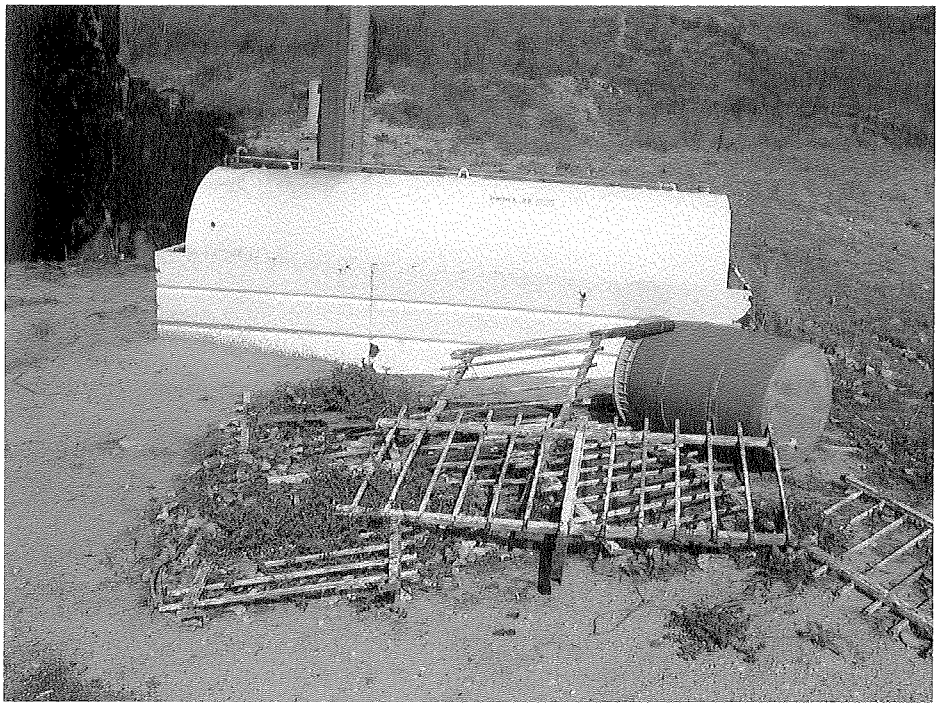
23

23. Groundwater monitoring well located in Middle Canyon.

24

24. Diesel water pump located in Middle Canyon.

25



25. Diesel fuel AST located in Middle Canyon.

26

26. Location of proposed Spineflower preserve.

27

27 Marker flags for Spineflowers.

28

28. Spineflower marker flags.

29

29. Location of former oil well NL&F 34.

30

30. Typical exploratory pad.

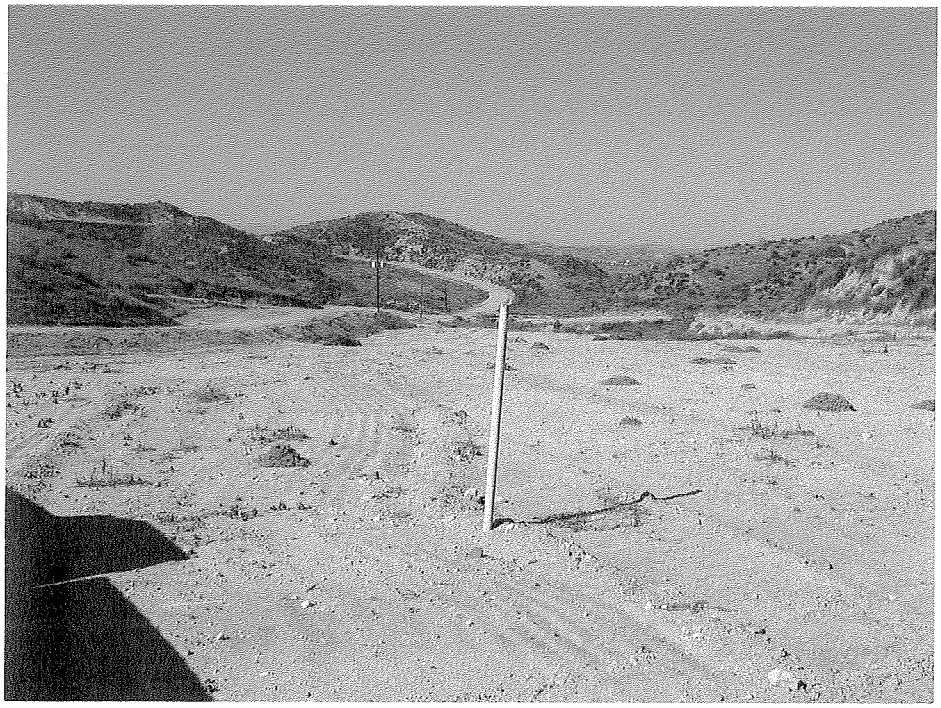
31

31. Small fenced depression in Middle Canyon.

32

32. Location of former Tank Battery 3.

33



33. Former oil well location marker.

34

34. Location of former oil well and possible drilling sump.

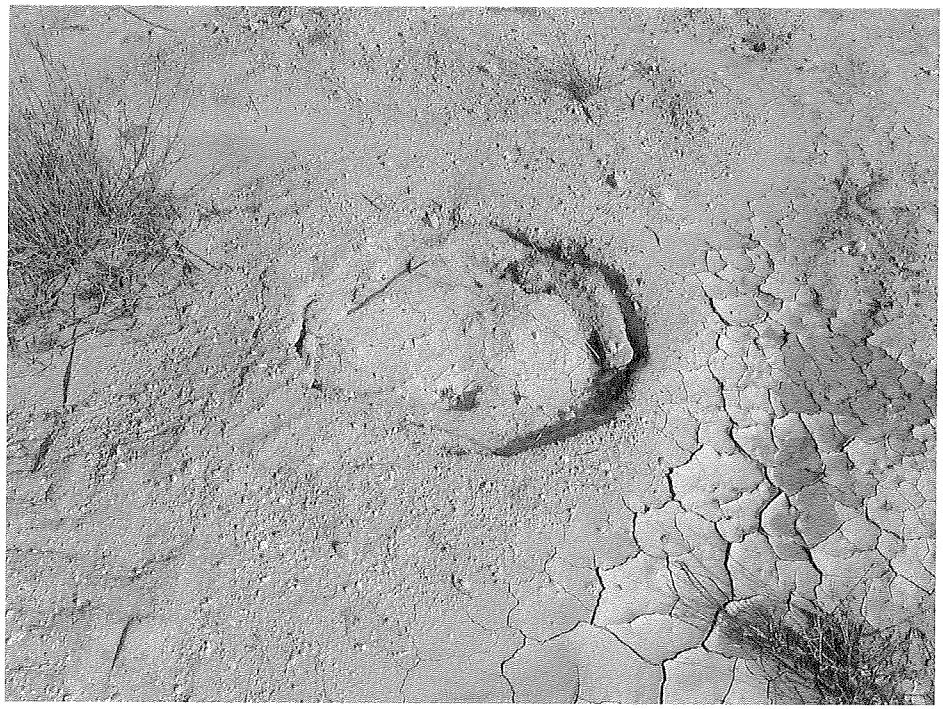
35

35. Oil staining near former oil well.

36

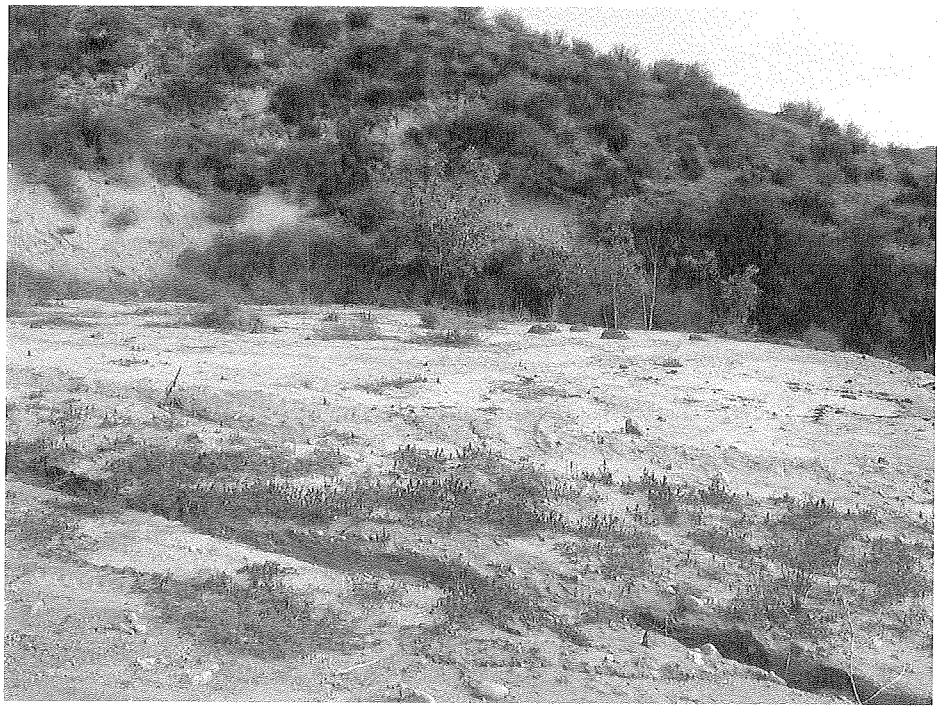
36. Section of oil pipeline.

37



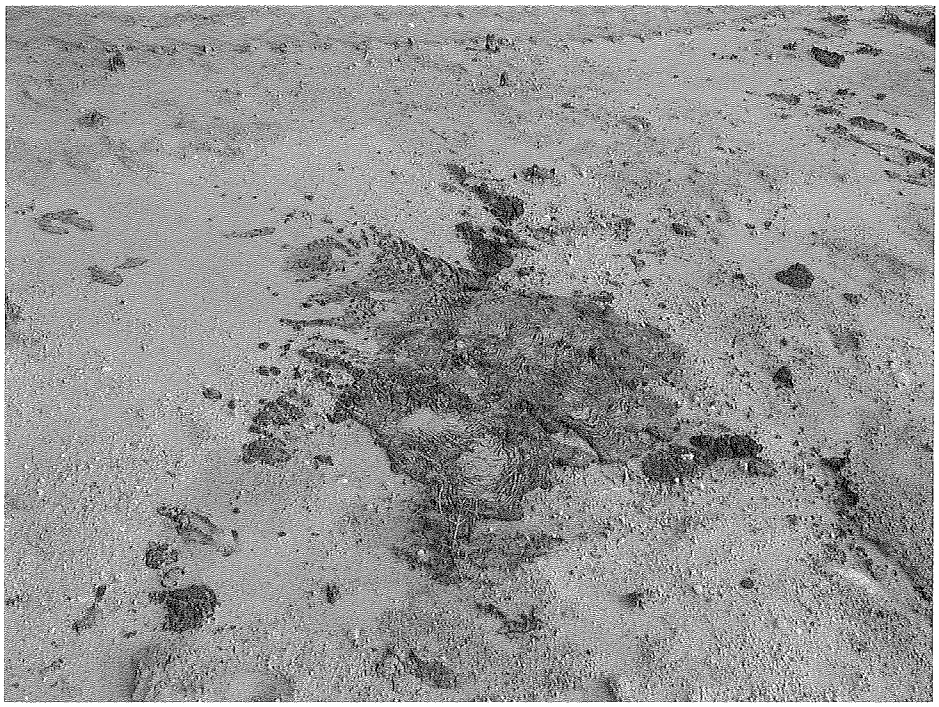
37. Location of geotechnical soil boring.

38



38. Possible location of former tank.

39

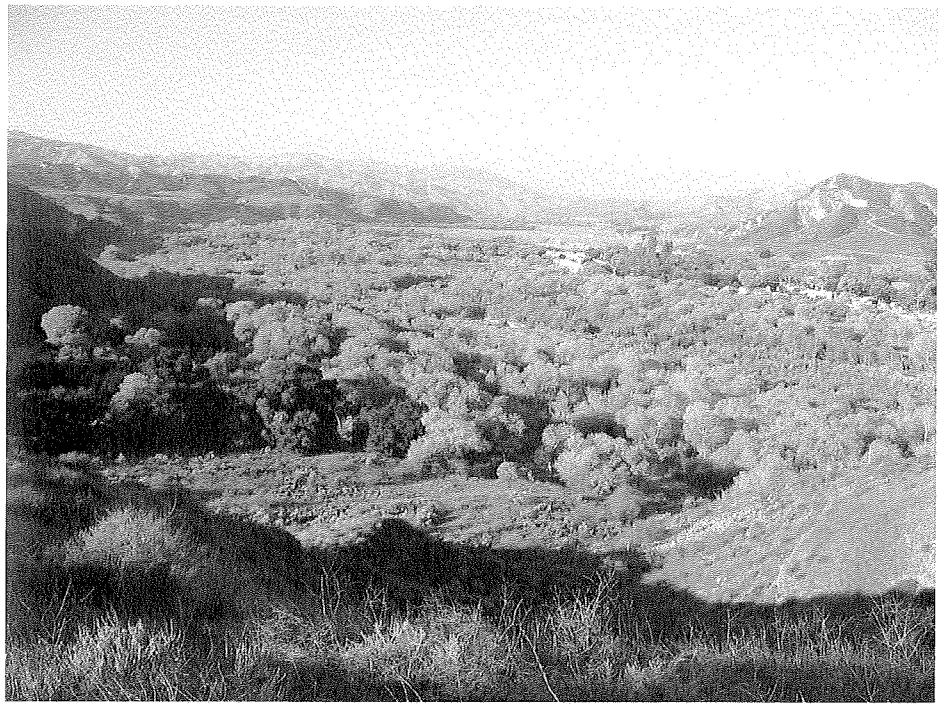


39. Tar-like material in location of possible former tank.

40

40. Large cleared pads.

41



41. View of Santa Clara River.

42

42. View of San Jose Flats.

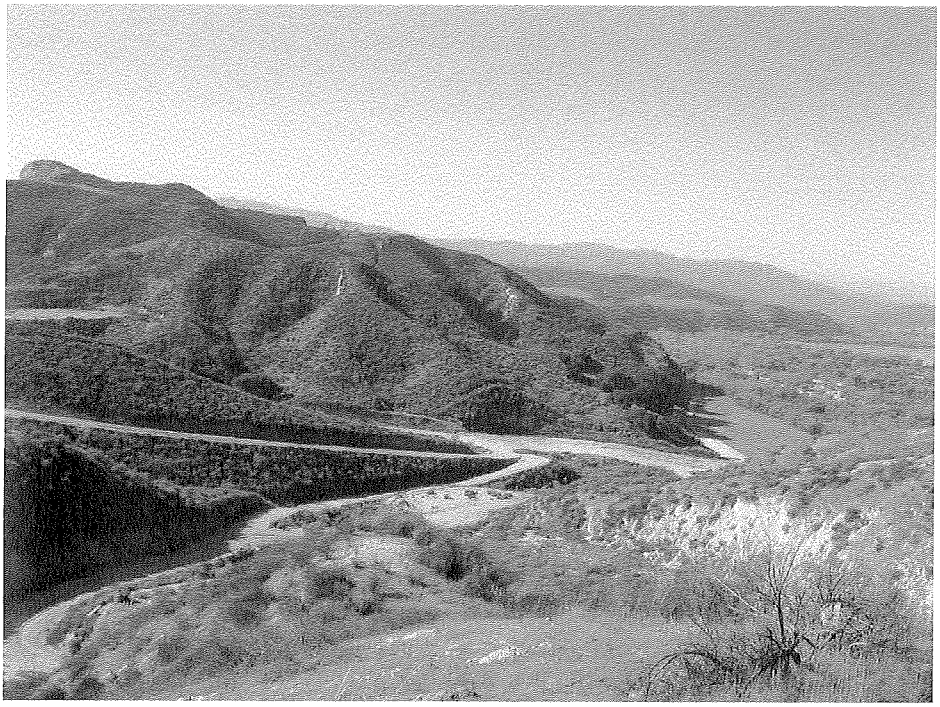
43

43. Location of former pond on San Jose Flats.

44

44. Old water well east of San Jose Flats.

45



45. View of Dead End Canyon.

46

46. Location of former Tank Battery 4.

47

47. Dead End Canyon with typical dirt roads and oil well pads.

48

48. Location of former oil wells in Dead End Canyon.

49

49. Location of former "Roundhouse" field office and oil well in central portion of subject property.

50

50. Water tank on-top of hill in central portion of subject property.

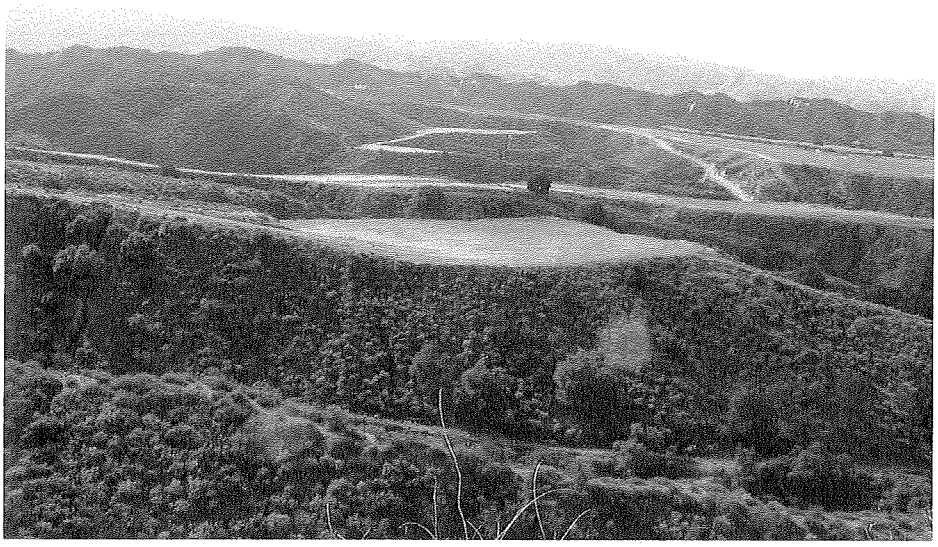
51

51. Possible location of former drilling sump.

52

52. Petroleum hydrocarbon impacted soil.

53



53. Former oil well pad used for agricultural field.

54

54. View of Exxon Mesa.

55

55. Location of former gas plant on-top of Exxon Mesa.

56

56. Remediated area, location of former cooling tower sump.

57

57. Location of former Tank Battery 2.

58

58. Exposed piping in Lyon Canyon.

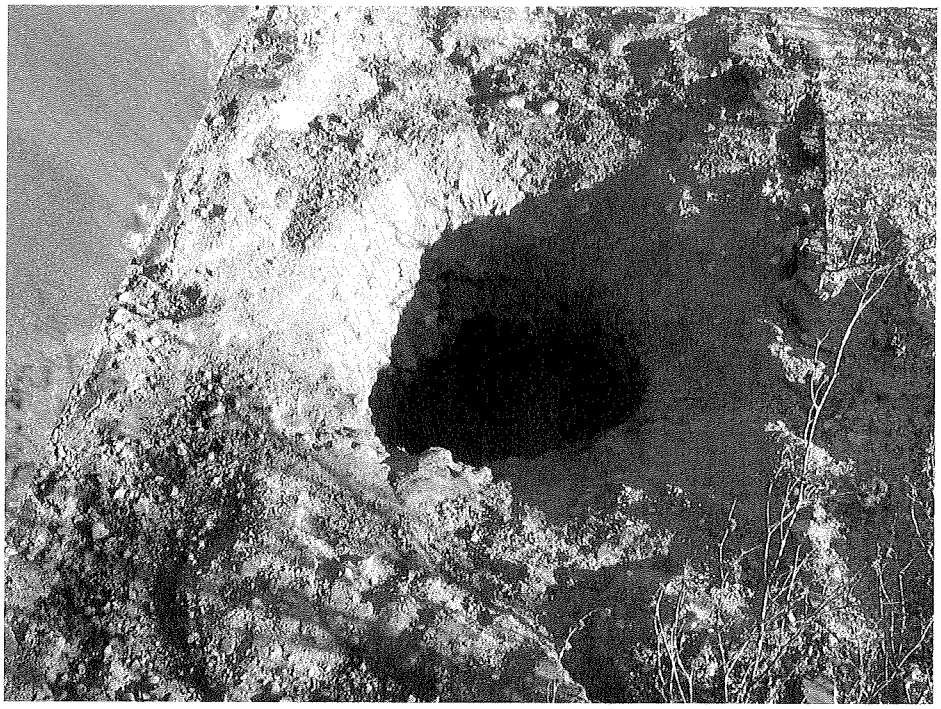
59

59. Location of old landfill.

60

60. Possible location of former oil well in Santa Clara River bed.

61



61. Abandoned oil well bore hole.

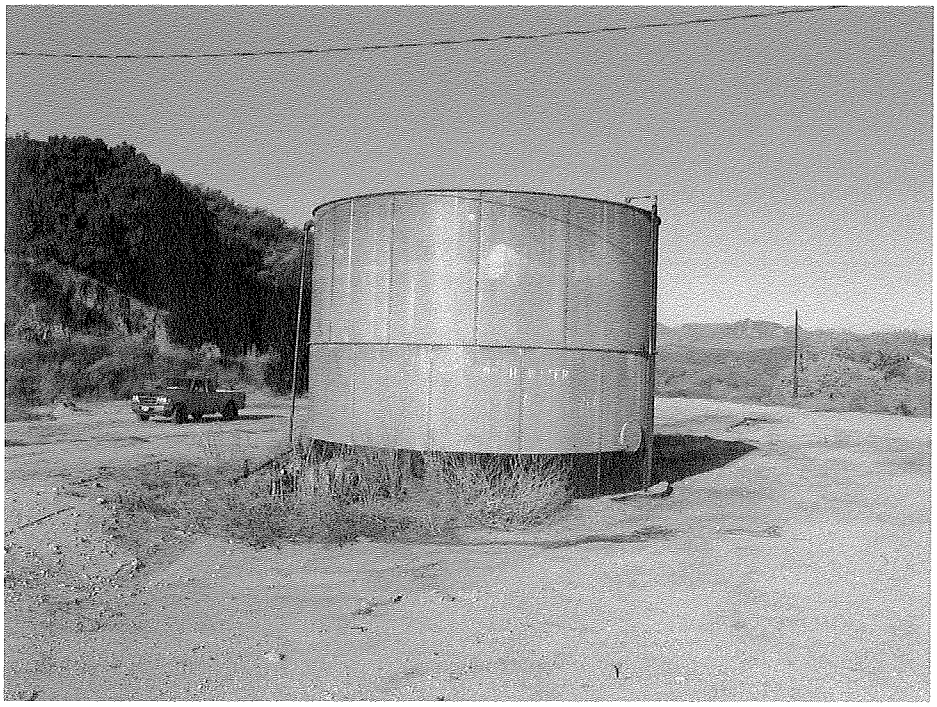
62

62. Groundwater monitoring well in Lyon Canyon.

63

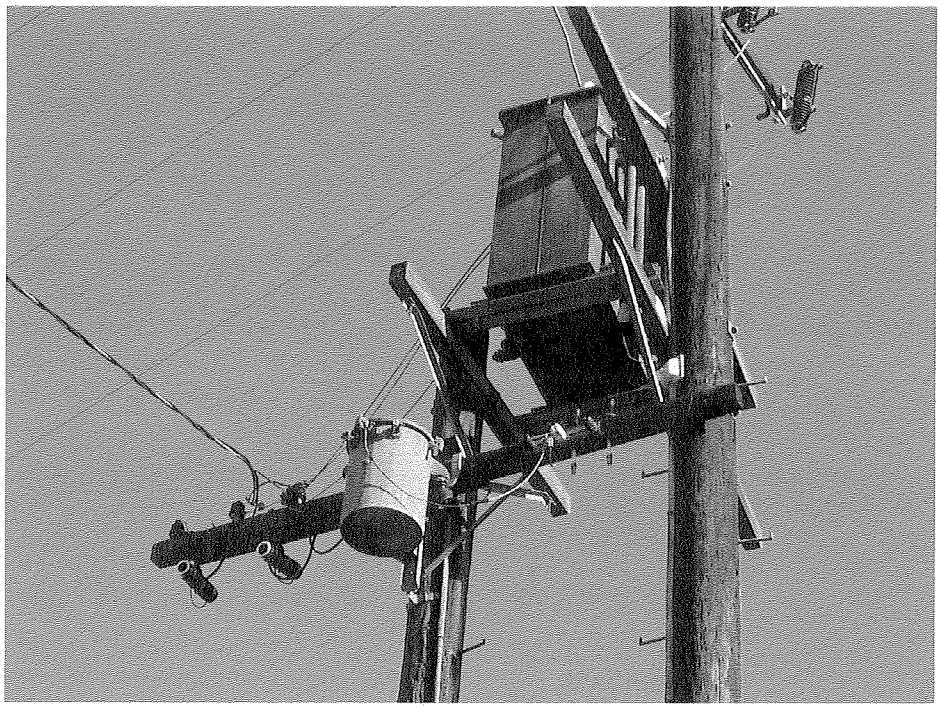
63. Water well in Lyon Canyon.

64



64. Water tank (possibly former oil tank) in Lyon Canyon.

65



65. Old electrical transformer in Lyon Canyon.

66

66. Typical pole mounted electrical transformers.

67. 55-gallon drum in Santa Clara River bed.

TABLES

Table 1
Items of Interest
1250 Acre Parcel
Valencia, California

Location Number	Item of Interest	Approximate Elevation*	GPS Coordinates**	Remarks
#1	Abandoned Oil Well Newhall Land and Farm #76	1197'	N 34° 25.818' W 118° 36.606'	Visual Observation Observed on aerial photographs and topographic map
#2	Vent for Pipeline	1176'	N 34° 25.838' W 118° 36.687'	Visual Observation
#3	Possible Exploratory Pad	1139'	N 34° 26.060' W 118° 36.680'	Visual Observation
#4	Valve for Pipeline (abandoned)	1242'	N 34° 25.996' W 118° 36.666'	Visual Observation
#5	Approximate Location of Former Tank	1201'	N 34° 26.001' W 118° 36.654'	Based on topographic map and aerial photographs
#6	Irrigation Standpipe	1201'	N 34° 25.990' W 118° 36.654'	Visual Observation
#7	Abandoned AST	1170'	N 34° 25.907' W 118° 36.695'	Visual Observation
#8	Irrigation Standpipe	1198'	N 34° 25.814' W 118° 36.432'	Visual Observation
#9	Abandoned Oil Well Newhall Land and Farm #71	1186'	N 34° 25.816' W 118° 36.431'	Visual Observation Observed on aerial photographs and topographic map
#10	Abandoned Water Tank	1137'	N 34° 25.702' W 118° 36.206'	Visual Observation Observed on aerial photographs and topographic map

#11	Abandoned Water Tank	1158'	N 34° 25.747' W 118° 36.201'	Visual Observation Observed on aerial photographs and topographic map
#12	Abandoned Water Tank	1158'	N 34° 25.729' W 118° 36.225'	Visual Observation Observed on aerial photographs and topographic map
#13	Concrete Foundation and Wood Debris	1163'	N 34° 25.731' W 118° 36.237'	Demolished Water Tank Visual Observation Observed in aerial photographs
#14	Small Wood Structure with Gate Valve	1055'	N 34° 25.764' W 118° 36.135'	Visual Observation
#15	4 Linear Troughs with Metal and Concrete Debris	1063'	N 34° 25.737' W 118° 36.159'	Believed to be cattle feed troughs Visual Observation Observed in aerial photographs
#16	2 Rectangular Concrete Troughs	1070'	N 34° 25.681' W 118° 36.184'	Approximately 4'x14' Visual Observation
#17	Cattle Watering Trough (Concrete)	1064'	N 34° 25.608' W 118° 36.105'	Visual Observation Observed in aerial photographs
#18	Old Guard Shack	1057'	N 34° 25.604' W 118° 36.109'	Visual Observation
#19	Concrete Debris	1211'	N 34° 25.499' W 118° 36.167'	Visual Observation
#20	Concrete Debris	1220'	N 34° 25.423' W 118° 36.155'	Visual Observation
#21	Scattered Pieces of Dried Tar-Like Material	1269'	N 34° 25.407' W 118° 36.150'	Has Creosote-Like Odor Visual Observation

#22	Abandoned Oil Well Newhall Land and Farm #59	1208'	N 34° 25.530' W 118° 36.331'	Visual Observation Observed on aerial photographs and topographic map
#23	Possible Exploratory Pad	1198'	N 34° 25.556' W 118° 36.299'	Visual Observation
#24	Abandoned Oil Well Newhall Land and Farm #34	1234'	N 34° 25.313' W 118° 36.380'	Visual Observation Observed on aerial photographs and topographic map
#25	Groundwater Monitoring Well	1060'	N 34° 25.668' W 118° 36.621'	Visual Observation Depth to Groundwater approximately 36 feet
#26	Approximate Location of Former Oil Well	1050'	N 34° 25.722' W 118° 36.713'	Based on topographic map
#27	Groundwater Monitoring Well	1002'	N 34° 25.810' W 118° 36.840'	Visual Observation Depth to Groundwater approximately 7.5 feet
#28	Groundwater Monitoring Well	980'	N 34° 25.839' W 118° 36.880'	Visual Observation Depth to Groundwater approximately 9.1 feet
#29	Diesel Water Pump and Water Well	1027'	N 34° 25.748' W 118° 36.681'	Visual Observation One 15-gallon day tank, one 30-gallon day tank, and one 1,000-gallon AST in containment
#30	Shallow Water Reservoir	1029'	N 34° 25.718' W 118° 36.619'	30' by 75' Visual Observation
#31	Area of Former Structures From Former Cattle Ranching Operations	937'	N 34° 25.982' W 118° 36.405'	Based on topographic map and aerial photographs
#32	Approximate Location of Possible Former Oil Well	1094'	N 34° 25.767' W 118° 36.369'	Based on topographic map

#33	Abandoned Oil Well Newhall Land and Farm #66	1061'	N 34° 25.743' W 118° 36.326'	Visual Observation Observed on aerial photographs and topographic map
#34	Abandoned Oil Well Newhall Land and Farm #63	1079'	N 34° 25.606' W 118° 36.663'	Visual Observation Observed on aerial photographs and topographic map
#35	Possible Exploratory Pad	1096'	N 34° 25.667' W 118° 36.736'	Visual Observation
#36	Possible Exploratory Pad	1064'	N 34° 25.697' W 118° 36.792'	Visual Observation
#37	Groundwater Monitoring Well	1001'	N 34° 25.763' W 118° 36.818'	Visual Observation Depth to Groundwater approximately 10 feet
#38	Abandoned Oil Well Newhall Land and Farm #72	1012'	N 34° 25.736' W 118° 36.810'	Visual Observation Observed on aerial photographs and topographic map
#39	Possible Exploratory Pad	1048'	N 34° 25.713' W 118° 36.808'	Visual Observation
#40	Possible Exploratory Pad	1063'	N 34° 25.742' W 118° 36.863'	Visual Observation
#41	Possible Exploratory Pad	1078'	N 34° 25.550' W 118° 36.565'	Visual Observation
#42	Possible Exploratory Pad	1092'	N 34° 25.532' W 118° 36.568'	Visual Observation
#43	Possible Exploratory Pad	1136'	N 34° 25.563' W 118° 36.593'	Visual Observation
#44	Possible Exploratory Pad	1150'	N 34° 25.559' W 118° 36.604'	Visual Observation
#45	Possible Exploratory Pad	1139'	N 34° 25.574' W 118° 36.605'	Visual Observation

#46	Possible Exploratory Pad	1144'	N 34° 25.580' W 118° 36.658'	Visual Observation
#47	Possible Exploratory Pad	1232'	N 34° 25.593' W 118° 36.709'	Visual Observation
#48	Possible Exploratory Pad	1159'	N 34° 25.616' W 118° 36.754'	Visual Observation
#49	Possible Exploratory Pad	1174'	N 34° 25.610' W 118° 36.914'	Visual Observation
#50	Possible Exploratory Pad	1110'	N 34° 25.507' W 118° 36.556'	Visual Observation Area of excavation observed on aerial photographs
#51	Abandoned Oil Well Newhall Land and Farm #65	1004'	N 34° 25.620' W 118° 37.065'	Visual Observation Observed on aerial photographs
#52	Former Oil Sump	989'	N 34° 25.550' W 118° 37.040'	Visual Observation Observed on aerial photographs and in previous reports
#53	Possible Exploratory Pad	1051'	N 34° 25.539' W 118° 36.923'	Visual Observation
#54	Abandoned Oil Well Newhall Land and Farm #64	1103'	N 34° 25.600' W 118° 36.857'	Visual Observation Observed on aerial photographs and topographic map
#55	Abandoned Oil Well Newhall Land and Farm #40	1209'	N 34° 25.351' W 118° 36.707'	Visual Observation Some metal and concrete debris Observed on aerial photographs and topographic map
#56	Abandoned Oil Well Newhall Land and Farm #16	1097'	N 34° 25.335' W 118° 36.581'	Visual Observation Observed on aerial photographs and topographic map

#57	Possible Exploratory Pad	1114'	N 34° 25.390' W 118° 36.594'	Visual Observation
#58	Small Depression Surrounded by Stakes and Fencing	1126'	N 34° 25.364' W 118° 36.653'	Visual Observation
#59	Possible Exploratory Pad	1165'	N 34° 25.341' W 118° 36.619'	Visual Observation
#60	Possible Exploratory Pad	1198'	N 34° 25.300' W 118° 36.632'	Visual Observation
#61	Location of Former Oil Tanks of Tank Battery 3	1168'	N 34° 25.280' W 118° 36.512'	Based on topographic map and aerial photographs and previous report
#62	Possible Exploratory Pad	1181'	N 34° 25.276' W 118° 36.556'	Visual Observation
#63	Possible Exploratory Pad	1211'	N 34° 25.252' W 118° 36.581'	Visual Observation
#64	Abandoned Oil Well Newhall Land and Farm #17	1080'	N 34° 25.229' W 118° 36.473'	Visual Observation Observed on aerial photographs and topographic map
#65	Location of Former Oil Tanks	1174'	N 34° 25.275' W 118° 36.328'	Visual Observation Observed on aerial photographs
#66	Groundwater Monitoring Well	970'	N 34° 25.537' W 118° 37.058'	Visual Observation Depth to Groundwater approximately 35.1 feet
#67	Location of Former Tank Battery 4	972'	N 34° 25.504' W 118° 37.047'	Visual Observation Observed on aerial photographs and in previous reports
#68	Location of Former Pump Equipment Associated with Tank Battery 4	996'	N 34° 25.537' W 118° 37.005'	Visual Observation Observed on aerial photographs and in previous reports

#69	Abandoned Oil Well Newhall Land and Farm #39	1087'	N 34° 25.367' W 118° 36.972'	Visual Observation Observed on aerial photographs and topographic map
#70	Possible Exploratory Pad	1119'	N 34° 25.521' W 118° 36.964'	Visual Observation
#71	Possible Exploratory Pad	1220'	N 34° 25.370' W 118° 36.985'	Visual Observation
#72	Abandoned Oil Well Newhall Land and Farm #33	1003'	N 34° 25.348' W 118° 36.874'	Visual Observation Observed on aerial photographs and topographic map
#73	Possible Exploratory Pad	1002'	N 34° 25.331' W 118° 36.832'	Visual Observation
#74	Possible Exploratory Pad	1052'	N 34° 25.279' W 118° 36.898'	Visual Observation
#75	Possible Exploratory Pad	1137'	N 34° 25.294' W 118° 36.884'	Visual Observation
#76	Abandoned Oil Well Newhall Land and Farm #14	1225'	N 34° 25.214' W 118° 36.857'	Visual Observation Observed on aerial photographs and topographic map
#77	Possible Exploratory Pad	1190'	N 34° 25.210' W 118° 36.814'	Visual Observation
#78	Possible Exploratory Pad	1125'	N 34° 25.234' W 118° 36.810'	Visual Observation
#79	Possible Exploratory Pad	1128'	N 34° 25.282' W 118° 36.820'	Visual Observation
#80	Possible Exploratory Pad	1142'	N 34° 25.258' W 118° 36.826'	Visual Observation
#81	Possible Exploratory Pad	1156'	N 34° 25.242' W 118° 36.837'	Visual Observation
#82	Possible Exploratory Pad	1125'	N 34° 25.288' W 118° 36.778'	Visual Observation

#83	Abandoned Oil Well Newhall Land and Farm #20	1333'	N 34° 25.153' W 118° 36.309'	Visual Observation Observed on aerial photographs and topographic map
#84	Possible Exploratory Pad	1269'	N 34° 25.176' W 118° 36.204'	Visual Observation
#85	Abandoned Oil Well Newhall Land and Farm #21	1365'	N 34° 25.053' W 118° 36.221'	Visual Observation Observed on aerial photographs and topographic map
#86	4 Inch Steel Pipe on Surface	1352'	N 34° 24.952' W 118° 36.266'	Visual Observation Trending easterly
#87	Abandoned Oil Well Newhall Land and Farm #19	1320'	N 34° 24.884' W 118° 36.273'	Visual Observation Observed on aerial photographs and topographic map
#88	Abandoned Oil Well Newhall Land and Farm #4	1277'	N 34° 25.007' W 118° 36.381'	Visual Observation
#89	Possible Exploratory Pad	1291'	N 34° 24.864' W 118° 36.482'	Visual Observation
#90	Abandoned Oil Well Newhall Land and Farm #24	1342'	N 34° 24.848' W 118° 36.473'	Visual Observation Some petroleum hydrocarbon staining in cut sidewall of slope Observed on aerial photographs and topographic map
#91	Possible Exploratory Pad	1222'	N 34° 25.188' W 118° 36.371'	Visual Observation
#92	Possible Exploratory Pad	1207'	N 34° 25.256' W 118° 36.195'	Visual Observation
#93	Possible Exploratory Pad	1180'	N 34° 25.321' W 118° 36.123'	Visual Observation

#94	Possible Exploratory Pad	1181'	N 34° 25.295' W 118° 36.112'	Visual Observation
#95	Wood Debris	1141'	N 34° 25.469' W 118° 36.084'	Visual Observation
#96	Abandoned Oil Well Newhall Land and Farm #29	1157'	N 34° 25.212' W 118° 36.109'	Visual Observation Tar and weathered cured oil staining observed Observed on aerial photographs and topographic map
#97	Possible Exploratory Pad	1249'	N 34° 25.143' W 118° 36.179'	Visual Observation
#98	Possible Exploratory Pad	1212'	N 34° 25.174' W 118° 36.146'	Visual Observation
#99	Possible Exploratory Pad	1200'	N 34° 25.146' W 118° 36.115'	Visual Observation
#100	Possible Exploratory Pad	1167'	N 34° 25.153' W 118° 36.069'	Visual Observation
#101	Possible Exploratory Pad	1212'	N 34° 25.092' W 118° 36.033'	Visual Observation
#102	Possible Exploratory Pad	1180'	N 34° 25.052' W 118° 36.131'	Visual Observation
#103	Possible Exploratory Pad	1226'	N 34° 25.034' W 118° 36.108'	Visual Observation
#104	Possible Exploratory Pad	1306'	N 34° 24.872' W 118° 36.174'	Visual Observation
#105	Possible Exploratory Pad	1296'	N 34° 24.883' W 118° 36.174'	Visual Observation
#106	Abandoned Oil Well Newhall Land and Farm #28	1343'	N 34° 24.843' W 118° 36.149'	Visual Observation Observed on aerial photographs and topographic map
#107	Possible Exploratory Pad	1394'	N 34° 24.801' W 118° 36.237'	Visual Observation

#108	Abandoned Oil Well Newhall Land and Farm #41	1405'	N 34° 24.758' W 118° 36.294'	Visual Observation Observed on aerial photographs and topographic map
#109	Possible Exploratory Pad	1379'	N 34° 24.721' W 118° 36.274'	Visual Observation (appears fresh cut)
#110	Location of Former Tank Battery 5	1166'	N 34° 25.057' W 118° 35.998'	Based on topographic map and aerial photographs and reported in previous report
#111	Approximate Location of Former AST associated with Tank Battery 5 heater Treater Unit	1210'	N 34° 25.002' W 118° 36.012'	Based on topographic map and aerial photographs Reported in previous report
#112	Abandoned Oil Well Newhall Land and Farm #31	1186'	N 34° 24.957' W 118° 35.976'	Visual Observation Observed on aerial photographs and topographic map
#113	Stained Soil	1183'	N 34° 25.009' W 118° 35.978'	Visual Observation Approximately 100' northeast of Well #31 Petroleum Hydrocarbon Odor
#114	Cleared Pad	1267'	N 34° 24.782' W 118° 36.166'	Visual Observation
#115	Cleared Pad	1230'	N 34° 24.780' W 118° 36.100'	Visual Observation
#116	Abandoned Oil Well Newhall Land and Farm #30	1203'	N 34° 24.804' W 118° 36.014'	Visual Observation Petroleum Hydrocarbon staining and tar like material observed Brick and concrete debris Observed on aerial photographs

#117	Abandoned Oil Well Newhall Land and Farm #49	1252'	N 34° 24.643' W 118° 36.090'	Visual Observation Staining with petroleum hydrocarbon odor approximately 60 feet north-northeast of well Some concrete debris Observed on aerial photographs and topographic map
#118	Possible Exploratory Pad	1275'	N 34° 24.708' W 118° 36.079'	Visual Observation
#119	Possible Exploratory Pad	1283'	N 34° 24.848' W 118° 36.061'	Visual Observation Bore hole visible
#120	Possible Exploratory Pad	1237'	N 34° 24.892' W 118° 36.047'	Visual Observation Not accessible
#121	Storage area Occupied by Magic Mountain	1122'	N 34° 25.525' W 118° 36.078'	Visual Observation Not accessible
#122	Vented Cargo Container	1139'	N 34° 25.498' W 118° 36.076'	Visual Observation Not accessible
#123	Fuel AST on Magic Mountain Property		No GPS Coordinates	Visual Observation Not accessible
#124	Fireworks Storage Area for Magic Mountain		No GPS Coordinates	Visual Observation Cargo Container Not accessible
#125	Two ASTs at Magic Mountains Nursery	1170'	N 34° 25.175' W 118° 36.051'	Visual Observation In concrete secondary containment Some water in bottom of containment
#126	Abandoned Oil Well Newhall Land and Farm #7	1275'	N 34° 24.942' W 118° 36.595'	Visual Observation Observed on aerial photographs and topographic map

#127	Possible Exploratory Pad	1297'	N 34° 24.928' W 118° 36.036'	Visual Observation
#128	Cleared Pad	1250'	N 34° 25.048' W 118° 36.668'	Visual Observation
#129	Cleared Pad	1245'	N 34° 25.021' W 118° 36.625'	Visual Observation
#130	Possible Exploratory Pad or Tank Location	1225'	N 34° 25.003' W 118° 36.578'	Visual Observation Tar like substance observed with petroleum hydrocarbon-like odor
#131	Possible Exploratory Pad	1200'	N 34° 25.049' W 118° 36.499'	Visual Observation
#132	Abandoned Oil Well Newhall Land and Farm #13	1200'	N 34° 25.103' W 118° 36.513'	Visual Observation Observed on aerial photographs and topographic map
#133	Cleared Pad	1210'	N 34° 25.129' W 118° 36.546'	Visual Observation
#134	Possible Exploratory Pad	1240'	N 34° 25.112' W 118° 36.590'	Visual Observation
#135	Abandoned Oil Well Newhall Land and Farm #32	1281'	N 34° 25.172' W 118° 36.660'	Visual Observation Observed on aerial photographs and topographic map
#136	Location of Former Oil Tank	1350'	N 34° 25.080' W 118° 36.759'	Location based on topographic map Concrete, wood, metal and asphalt debris Observed on aerial photographs

#137	Location of Former "Roundhouse", Structures, Tank Battery and Storage Area	1352'	N 34° 25.063' W 118° 36.719'	Location based on topographic map Concrete, wood, metal and asphalt debris Observed on aerial photographs Reported in previous report
#138	Possible Exploratory Pad	1351'	N 34° 24.984' W 118° 36.726'	Visual Observation
#139	Possible Exploratory Pad	1356'	N 34° 24.981' W 118° 36.746'	Visual Observation
#140	Exposed 6" Pipeline	1412'	N 34° 25.093' W 118° 36.803'	Visual Observation
#141	Tank	1451'	N 34° 25.091' W 118° 36.822'	Visual Observation Observed on aerial photographs and topographic map
#142	Possible Exploratory Pad	1342'	N 34° 25.140' W 118° 36.905'	Visual Observation
#143	Possible Exploratory Pad	1217'	N 34° 25.258' W 118° 36.929'	Visual Observation
#144	Large Pad with Abandoned Oil Well Newhall Land and Farming #27	1370'	N 34° 25.224' W 118° 36.019'	Oil well location based on topographic map and aerial photographs
#145	Possible Exploratory Pad	1211'	N 34° 25.331' W 118° 37.112'	Visual Observation
#146	Abandoned Oil Well Newhall Land and Farming #12	1317'	N 34° 25.316' W 118° 37.184'	Oil well location based on topographic map and aerial photographs Stained soil with petroleum hydrocarbon odor as far as 100' to south of oil well location

#147	Abandoned Oil Well Newhall Land and Farming #8	1275'	N 34° 25.089' W 118° 37.117'	Oil well location based on topographic map and aerial photographs
#148	Abandoned Oil Well Newhall Land and Farm #6	1173'	N 34° 25.173' W 118° 37.261'	Visual Observation Observed on aerial photographs and topographic map
#149	Disturbed Area	1166'	N 34° 25.167' W 118° 37.286'	Location based on topographic map and aerial photographs
#150	Abandoned Oil Well Newhall Land and Farm #25	1167'	N 34° 25.154' W 118° 37.230'	Oil well location based on topographic map and aerial photographs
#151	Disturbed Area		N 34° 25.048' W 118° 37.222'	Location based on topographic map and aerial photographs
#152	Possible Exploratory Pad	1167'	N 34° 25.044' W 118° 37.290'	Visual Observation
#153	Abandoned Oil Well Newhall Land and Farm #3	1167'	N 34° 25.057' W 118° 37.288'	Visual Observation Observed on aerial photographs and topographic map
#154	Abandoned Oil Well Newhall Land and Farm #42	1137'	N 34° 25.071' W 118° 37.413'	Visual Observation Minor soil staining with petroleum hydrocarbon odor Observed on aerial photographs and topographic map
#155	Former Gas Plant Structures and Aboveground Diesel Fuel Tank	1111'	N 34° 25.105' W 118° 37.427'	Location based on topographic map and aerial photographs Metal, pipe and concrete and asphalt debris Reported in previous report

#156	Dark Discolored Soil	1112'	N 34° 25.129' W 118° 37.443'	Visual Observation Unusual odor
#157	Possible Exploratory Pad	1130'	N 34° 25.148' W 118° 37.483'	Visual Observation Pipe extending up ward approximately 2' to 3' Area of possible staining observed in 1989 aerial photograph
#158	Abandoned Oil Well Newhall Land and Farm #10	1143'	N 34° 25.144' W 118° 37.512'	Visual Observation Observed on aerial photographs
#159	Location of Former Tank Battery 6/7	1144'	N 34° 25.039' W 118° 37.926'	Location based on topographic map and aerial photographs Reported in previous report
#160	Location of Former Cooling Tower Sump	1103'	N 34° 25.135' W 118° 37.490'	Based on former report Area observed to have been excavated
#161	Abandoned Oil Well Newhall Land and Farm #26	1216'	N 34° 25.039' W 118° 36.926'	Visual Observation Observed on aerial photographs and topographic map
#162	Possible Exploratory Pad	1143'	N 34° 24.959' W 118° 37.027'	Visual Observation
#163	Exposed 6" Pipeline	1148'	N 34° 24.959' W 118° 37.016'	Visual Observation
#164	Abandoned Oil Well Newhall Land and Farm #5	1274'	N 34° 24.910' W 118° 37.848'	Visual Observation Observed on aerial photographs and topographic map
#165	Abandoned Oil Well Newhall Land and Farm #11	1290'	N 34° 24.839' W 118° 36.964'	Visual Observation Observed on aerial photographs and topographic map

#166	Abandoned Oil Well Newhall Land and Farm #23	1232'	N 34° 24.890' W 118° 37.128'	Visual Observation Observed on aerial photographs and topographic map
#167	Exposed 6" Pipeline	1065'	N 34° 24.952' W 118° 37.222'	Visual Observation Observed on aerial photographs and topographic map
#168	Exposed 6" Pipeline	1067'	N 34° 24.948' W 118° 37.258'	Visual Observation
#169	Location of Former Tank Battery 2	1057'	N 34° 24.957' W 118° 37.278'	Observed on aerial photographs and topographic map Reported in previous report
#170	Location of Former Old Land Fill (Trash Pit)	1229'	N 34° 24.828' W 118° 37.006'	Visual Observation Metal, brick, plastic debris, household trash, glass and dish fragments Also identified in former report
#171	Portion of Old 55-Gallon Drum		N 34° 24.808' W 118° 36.974'	Visual Observation
#172	Possible Exploratory Pad	1116'	N 34° 24.862' W 118° 37.117'	Visual Observation
#173	Possible Exploratory Pad	1140'	N 34° 24.858' W 118° 37.112'	Visual Observation Location approximate due to dense brush
#174	Cleared Area (Related to Tank Battery 2 Sump)	1100'	N 34° 24.968' W 118° 37.348'	Visual Observation
#175	Abandoned Oil Well Newhall Land and Farm #22	1125'	N 34° 24.810' W 118° 37.230'	Visual Observation Observed on aerial photographs and topographic map

#176	Abandoned Oil Well Newhall Land and Farm #56	966'	N 34° 25.117' W 118° 37.671'	Visual Observation Observed on aerial photographs and topographic map
#177	Groundwater Monitoring Well	972'	N 34° 25.094' W 118° 37.662'	Visual Observation Dry Well Total Well Depth 42.2 feet bgs
#178	Water Well	977'	N 34° 25.112' W 118° 37.706'	Visual Observation Observed on aerial photographs and topographic map
#179	Water Tank	988'	N 34° 25.079' W 118° 37.672'	Visual Observation Former oil tank based on historical topographic maps
#180	Possible Exploratory Pad	1034'	N 34° 25.210' W 118° 37.468'	Visual Observation
#181	Concrete, Asphalt and Brick Debris Pile	1070'	N 34° 25.840' W 118° 36.247'	Visual Observation
#182	Pond or Sump	956'	N 34° 25.599' W 118° 37.085'	Based on topographic map and aerial photographs
#183	Former Structure	988'	N 34° 25.529' W 118° 37.147'	Location based on topographic map Identified as structure but may be oil well or exploratory pad
#184	Abandoned Oil Well Newhall Land and Farm #58	968'	N 34° 25.473' W 118° 37.176'	Visual Observation Observed on aerial photographs
#185	Water Well	1085'	N 34° 25.672' W 118° 37.040'	Visual Observation

#186	Abandoned Oil Well Newhall Land and Farm #1	962'	N 34° 25.241' W 118° 37.762'	Location based on topographic map Two locations shown on Munger Map Book
#187	Concrete Slab	1040'	N 34° 25.857' W 118° 36.333'	Visual Observation 5' x 5' in size
#188	Abandoned Oil Well Newhall Land and Farm #46	980'	N 34° 25.102' W 118° 37.662'	Visual Observation Bore hole from abandonment open to approximately 6 feet bgs Visual Observation Observed on aerial photographs
#189	Possible Former AST Location, Possible Former Condensate Tank Location	990'	N 34° 25.072' W 118° 37.684'	Cut in hill side and visible pipe debris Small area of visible staining with slight hydrocarbon odor approximately 36 feet north Present on 1952 aerial photograph Reported in previous report
#190	Former AST Location	1010'	N 34° 25.057' W 118° 37.653'	Present on 1952 aerial photograph
#191	Former Oil Sump Associated with Former Tank Battery 2	1070'	N 34° 24.984' W 118° 37.361'	Present on 1952 aerial photograph Reported in previous report
#192	Drilling Sump	1127'	N 34° 25.150' W 118° 37.517'	Observed adjacent to drill rig in 1952 aerial photograph
#193	West Sump Related to Flare	1113'	N 34° 25.171' W 118° 37.581'	Visual observation and small structure present on 1968 aerial photograph
#194	East Sump Related to Flare	1115'	N 34° 25.177' W 118° 37.562'	Visual observation and small structure present on 1968 aerial photograph

#195	Abandoned Oil Well Newhall Land and Farm #15	1375'	N 34° 25.059' W 118° 36.736'	Present on DOGGR map and visible in 1952 aerial photograph No field marker
#196	Former AST in Berm Associated with Former Tank Battery 3	1142'	N 34° 25.298' W 118° 36.524'	Visible in 1968 aerial photograph and reported in previous report
#197	Former Oil Sump Associated with Former Tank Battery 3	1129'	N 34° 25.312' W 118° 36.503'	Observed in 1952 and 1968 aerial photographs and reported in previous report
#198	Small Sump Associated with Former Tank Battery 4	1013'	N 34° 25.531' W 118° 37.007'	Observed in 1968 aerial photograph Reported in previous report
#199	Location of Former Structures	1008'	N 34° 25.451' W 118° 37.306'	Observed on aerial photographs
#200	Location of Former Cattle Corrals	1252'	N 34° 25.607' W 118° 36.228'	Observed on aerial photographs
#201	Location of Former Water Tank	1182'	N 34° 25.326' W 118° 36.120'	Observed on topographic maps and aerial photographs
#202	Abandoned Oil Well Newhall Land and Farm #60	1129'	N 34° 25.522' W 118° 36.094'	Visible on aerial photograph
#203	Cut in Hillside	1059'	N 34° 25.832' W 118° 36.276'	Visible in field and aerial photographs Wood, pipe and concrete debris
#204	Abandoned Oil Well Newhall Land and Farm #69	954'	N 34° 26.061' W 118° 36.399'	Approximate location based on DOGGR map
#205	Location of Former Structures	1015'	N 34° 26.017' W 118° 36.418'	Visual observation
#206	Old Tank	1030'	N 34° 26.040' W 118° 36.447'	Visual observation

#207	Depression – Possible Former Tank Location	1030'	N 34° 26.040' W 118° 36.447'	Visual observation
#208	Depression – Possible Former Tank Location	1036'	N 34° 26.040' W 118° 36.458'	Visual observation
#209	Possible Exploratory Pad and Location of Linear Trench Like Features	1090'	N 34° 26.040' W 118° 36.478'	Observed in aerial photograph
#210	55-Gallon Drum	960'	N 34° 25.906' W 118° 37.148'	Visual observation
#211	Possible Location of Former Oil Well	1150'	No GPS Coordinates	Based on topographic map
#212	Possible Location of Abandoned Oil Well Newhall Land and Farming #12	1010'	No GPS Coordinates	Based on DOGGR map
#213	Groundwater Monitoring Well	1010'	No GPS Coordinates	Visual observation
#214	Groundwater Monitoring Well	1010'	No GPS Coordinates	Visual observation
#215	Possible Location of Abandoned Oil Well Newhall Land and Farming #67	1000'	No GPS Coordinates	Based on DOGGR map
#216	Soil Stockpile From Remediation of Tank Battery 5	1200'	No GPS Coordinates	Visual observations Reported in previous report
#217	Soil Stockpile from Remediation of Tank Battery 5	1200'	No GPS Coordinates	Visual observations Reported in previous report
#218	Location of Former Tank Battery 8	1260'	No GPS Coordinates	Reported in previous report
#219	Former Glycol Tank Location	1140'	No GPS Coordinates	Reported in previous report

#220	Location of Former Cooling Towers	1140'	No GPS Coordinates	Reported in previous report
#221	Location of Former Gas Plant Production Sump GP-17 Sump	1080'	No GPS Coordinates	Reported in previous report
#222	Location of Former Airstrip	1180'	No GPS Coordinates	Reported by NL&F personnel
#223	Former Flare Stack	1120'	No GPS Coordinates	Reported in previous report

Notes:
GPS coordinates were collected using hand held equipment. This equipment was accurate to between 15 and 45 feet.

GPS = Global Positioning System
* = Elevations based on hand held GPS equipment
** = GPS coordinates based on hand held GPS equipment

Table 2
Soil Sample Analytical Results
OCP, OPP and Chlorinated Herbicides
Proposed The Mesas East
1,250 Acre Parcel of Land
Valencia, California

Sample No.	Date	Depth bgs	OCP (mg/kg)	OPPs (mg/kg)	CH (mg/kg)
G1A,B,C,D-1	11-16-04	1.0	ND	ND	ND
G2A,B,C,D-1	11-16-04	1.0	ND	ND	ND
G3A,B,C,D-1	11-16-04	1.0	ND	ND	ND
G4A,B,C,D-1	11-16-04	1.0	ND	ND	ND
G5A,B,C,D-1	11-16-04	1.0	ND	ND	ND
G6A,B,C,D-1	11-16-04	1.0	ND	ND	ND
G7A,B,C,D-1	11-16-04	1.0	ND	ND	ND
G8A,B,C,D-1	11-16-04	1.0	ND	**0.049J Fensulfothion**	ND
G9A,B,C,D-1	11-16-04	1.0	ND	**0.042J Fensulfothion**	ND
G10A,B,C,D-1	11-16-04	1.0	ND	**0.042J Fensulfothion**	ND
G11A,B,C,D-1	11-16-04	1.0	ND	**0.039J Fensulfothion**	ND
G12A,B,C,D-1	11-16-04	1.0	ND	**0.039J Fensulfothion**	ND
G13A,B,C,D-1	11-16-04	1.0	ND	**0.038J Fensulfothion**	ND
G14A,B,C,D-1	11-16-04	1.0	ND	**0.038J Fensulfothion**	ND
G15A,B,C,D-1	11-16-04	1.0	ND	**0.040J Fensulfothion**	ND
G16A,B,C,D-1	11-16-04	1.0	ND	**0.037J Fensulfothion**	ND
G17A,B,C,D-1	11-16-04	1.0	ND	ND	ND
G18A,B,C,D-1	11-16-04	1.0	ND	**0.047J Fensulfothion**	ND
G19A,B,C,D-1	11-16-04	1.0	ND	**0.043J Fensulfothion**	ND
R1-1.0	11-16-04	1.0	ND	ND	ND
PRGs Residential			NA	NA	NA
PRGs Industrial			NA	NA	NA
Detection Limits (mg/kg)			**0.001-0.2**	**.05-.1**	**0.020-20.0**

Notes:

CH – Chlorinated Herbicides
OCP - Organochlorine Pesticides
OPP - Organophosphorous Pesticides
PRG - Primary Remediation Goal
ND – None detected above detection limits.
NA - Not applicable
J – Trace concentration between MDL and PLQ
bgs - below ground surface
ca – Cancer PRG
ca* - Cancer PRG (where :nc<100x ca)
nc – Non-cancer PRG

- Concentrations are reported in milligrams per kilogram (mg/kg) which is equivalent to parts per million (ppm).
- Analyses for OCP were performed in accordance with the Environmental Protection Agency (EPA) Method No. 8081.
- Analyses for OPP were performed in accordance with the EPA Method No. 8141.
- Analyses for CH were performed in accordance with the EPA Method No. 8151.

T[illegible]3
Locations of Electrical Transformers
1,250-Acre Parcel
Valencia, California

Location Number	Number of Transformers	Type	Approximate Elevation*	GPS Coordinates**	Remarks
ET1	2	Pole Mounted	977'	N 34° 25.015' W 118° 37.681'	1 cylindrical and 1 Box type Appear to be old with minor staining on outside
ET 2	4	Pole Mounted	1103'	N 34° 24.966' W 118° 37.256'	1 older cylindrical and 3 new cylindrical type
ET 3	3	Pole Mounted	1215'	N 34° 25.121' W 118° 36.942'	New cylindrical type
ET 4	3	Pole Mounted	1289'	N 34° 24.927' W 118° 36.870'	New cylindrical type
ET 5	1	Pole Mounted	1383'	N 34° 25.071' W 118° 36.806'	New cylindrical type
ET 6	3	Pole Mounted	1158'	N 34° 25.311' W 118° 36.530'	New cylindrical type
ET 7	3	Pole Mounted	1050'	N 34° 25.737' W 118° 36.674'	Older veined type
ET 8	3	Pole Mounted	1254'	N 34° 24.803' W 118° 36.031'	New cylindrical type
ET 9	3	Pole Mounted	1178'	N 34° 25.080' W 118° 36.008'	Older cylindrical type
ET 10	3	Pole Mounted	1160'	N 34° 25.227' W 118° 36.072'	New cylindrical type
ET 11	3	Pole Mounted	1097'	N 34° 25.576' W 118° 36.103'	New cylindrical type
ET 12	1	Pole Mounted	950'	No GPS Coordinates	New cylindrical type

Notes:
GPS coordinates were collected using hand held equipment. This equipment was accurate to between 15 and 45 feet.

GPS = Global Positioning System
* = Elevations based on hand held GPS equipment
** = GPS coordinates based on hand held GPS equipment

APPENDICES

APPENDIX A:

Historical Aerial Photographs

EDR® Environmental
Data Resources Inc

The EDR-Aerial Photography Print Service

1250 Acre Parcel
1250 Acre Parcell
Valencia, CA 91355

December 1, 2004

Inquiry Number: 1316204-3

The Standard In Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

Inquiry# 1316204.3
Year: 1928
Flyer: Fairchild
Scale: 1"=500'

↑ N

Inquiry# 13162043
Year: 1928
Flyer: Fairchild
Scale: 1"=500'

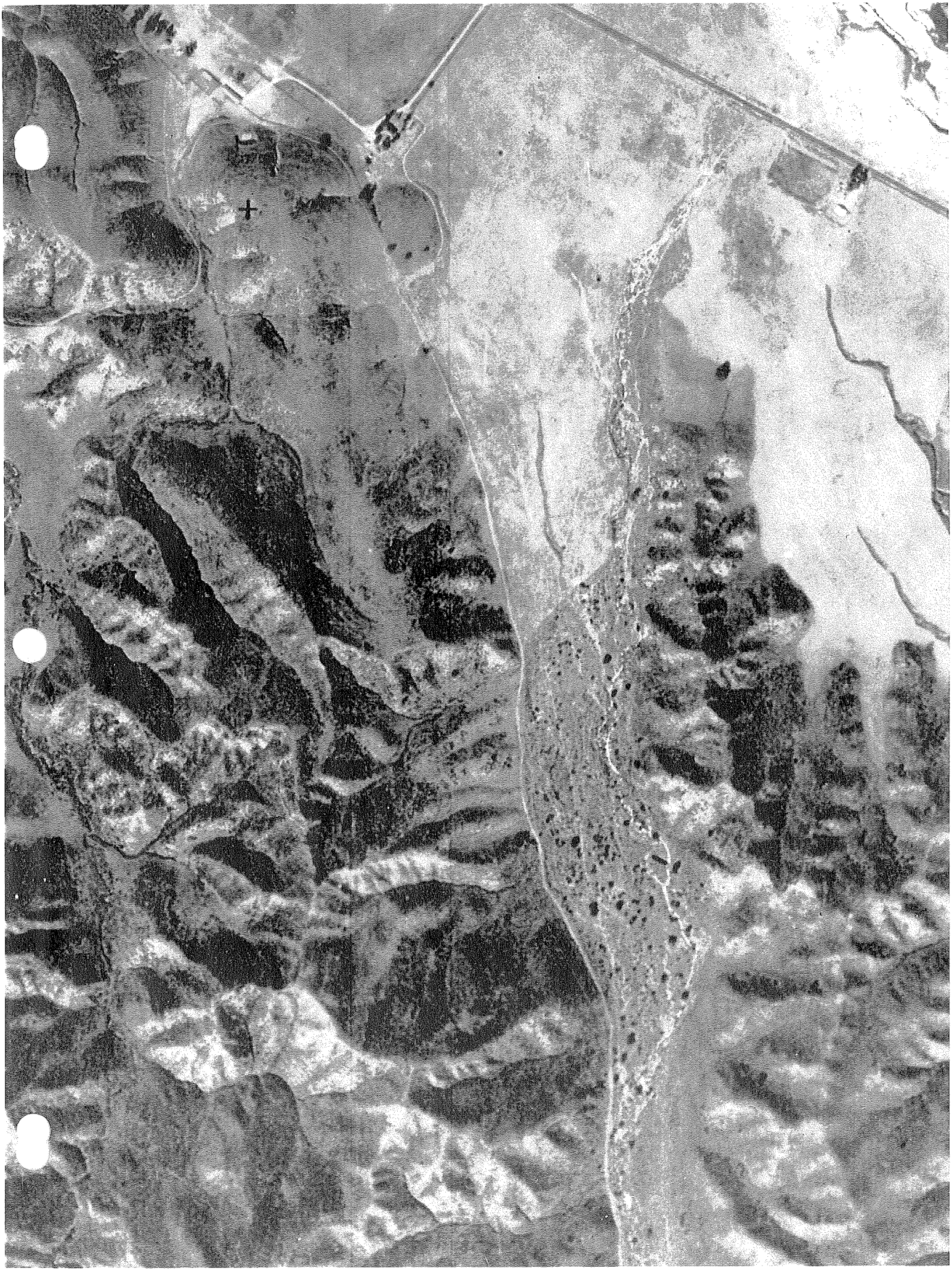
↑ N

Inquiry# 1316204.3
Year: 1928
Flyer: Fairchild
Scale: 1"=500'

↑ N

Inquiry# 13162043
Year: 1928
Flyer: Fairchild
Scale: 1"=500'

↑ N



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Flyer: Fairchild
Scale: 1"=500

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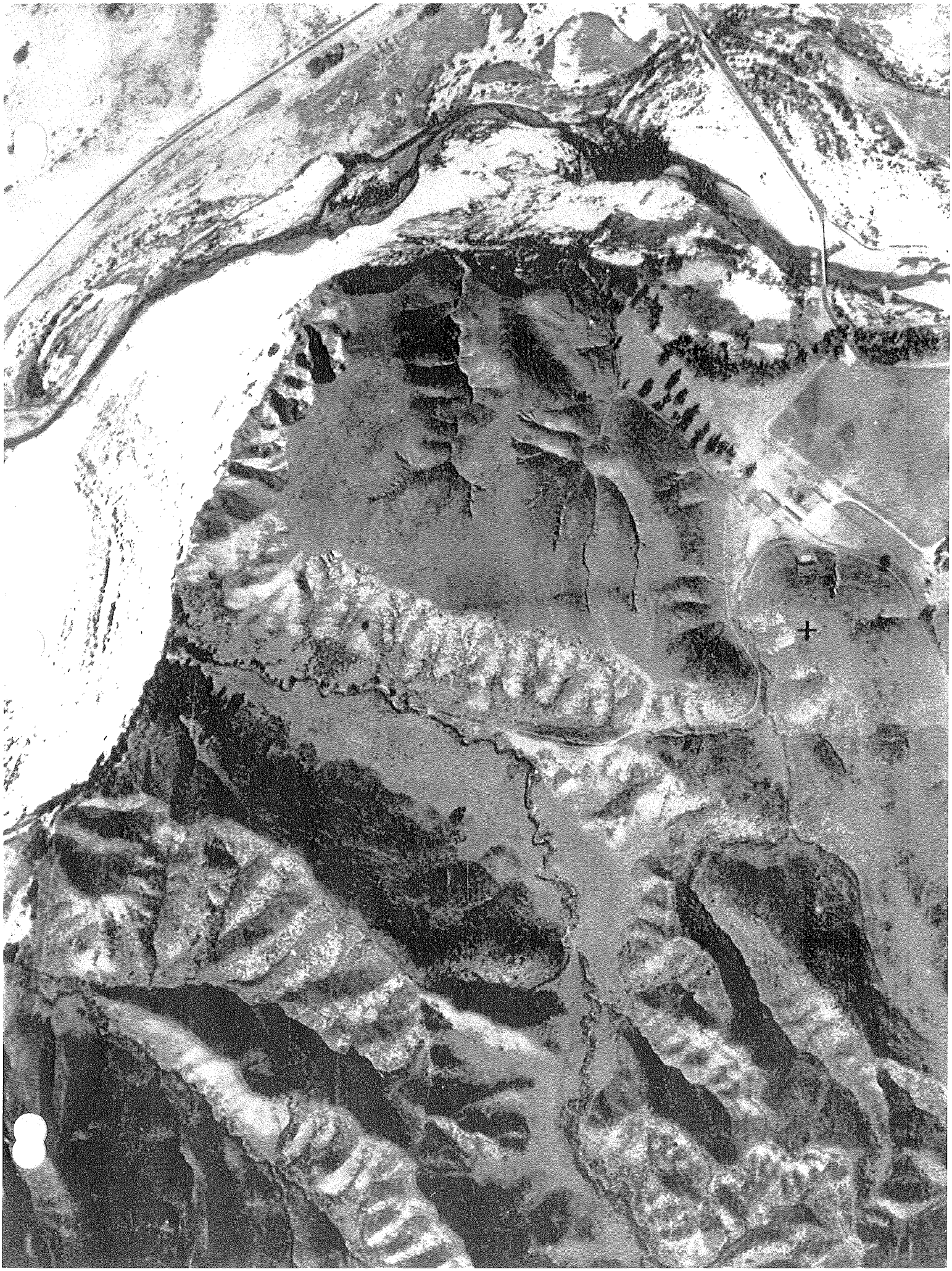

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YEAR: 1928
FLYER: Fairchild
SCALE: 1"=500'

Inquiry# 1316204.3
Year: 1928
Flyer: Fairchild
Scale: 1"=500'

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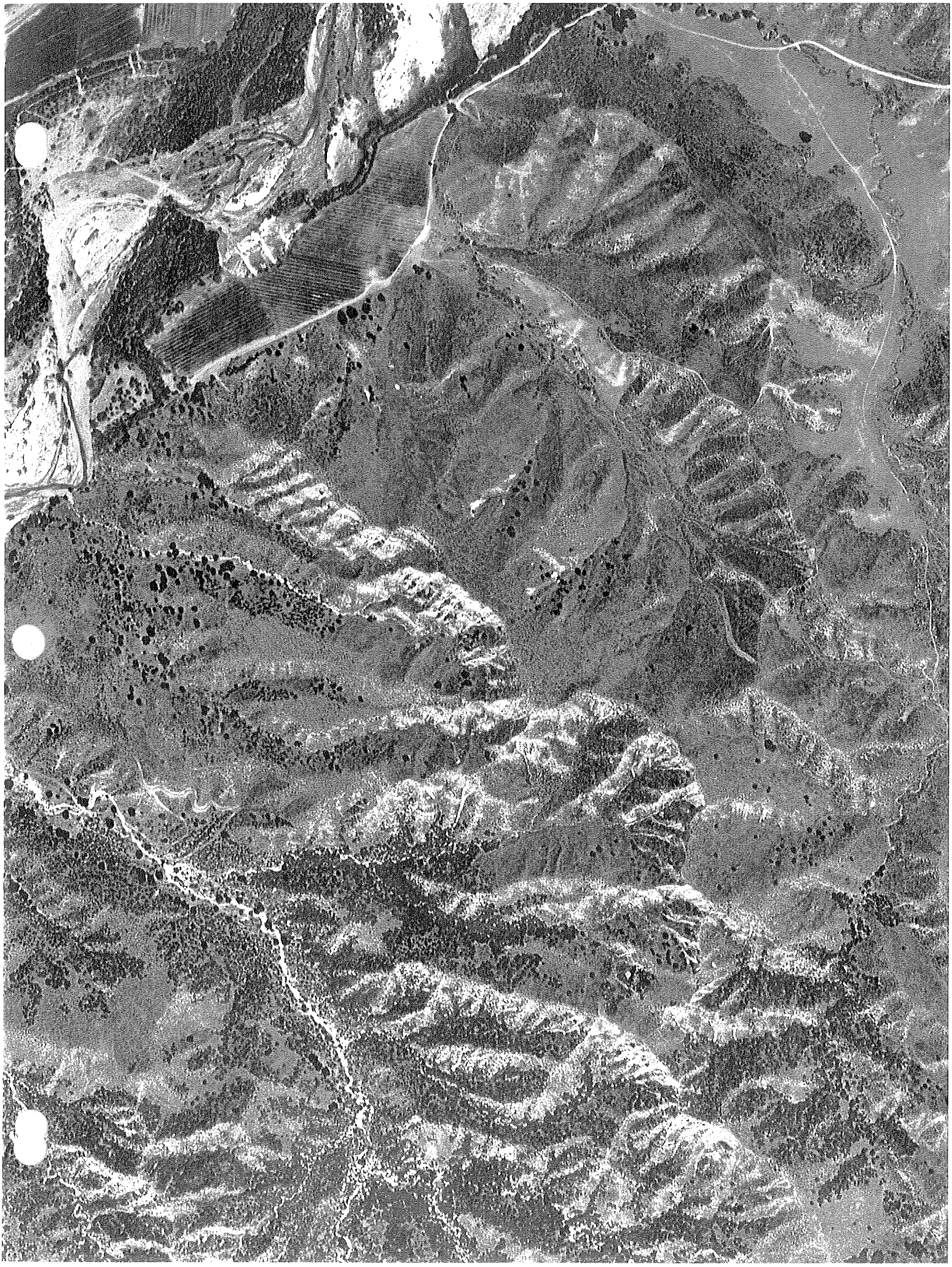

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FLYER: Tubis
SCALE: 1"=666'

INQUIRY # 1316204.3
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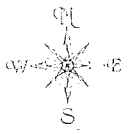
FLYER: Tubis
SCALE: 1"= 666'

Inquiry# 1316204.3
Year: 1947
Flyer: TUBIS
Scale: 1"=666'



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INQUIRY # 13162041.3
YEAR: 1947
FLYER: Tubis
SCALE: 1"= 666'

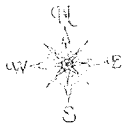
Inquiry# 1316204.3
Year: 1952
Flyer: Pacific Air
Scale: 1"=555'

Inquiry # 13162043
Year: 1952
Flyer: PACIFIC AIR
Scale: 1"=555'

N ↑

Inquiry# 13162043
Year: 1952
Flyer: Pacific Air
Scale: 1"=555'

Inquiry# 1316204.3
Year: 1952
Flyer: Pacific Air
Scale: 1"=555'



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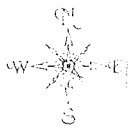

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Flyer: Teledyne
Scale: 1"=666'

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Year: 1968
Flyer: Teledyne
Scale: 1" = 666'

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Inquiry # 1316204.3
Year: 1968
Flyer: Teledyne
Scale: 1"=666'

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Inquiry # 13162043
Year: 1968
Flyer: Teledyne
Scale: 1"=666'

N↑

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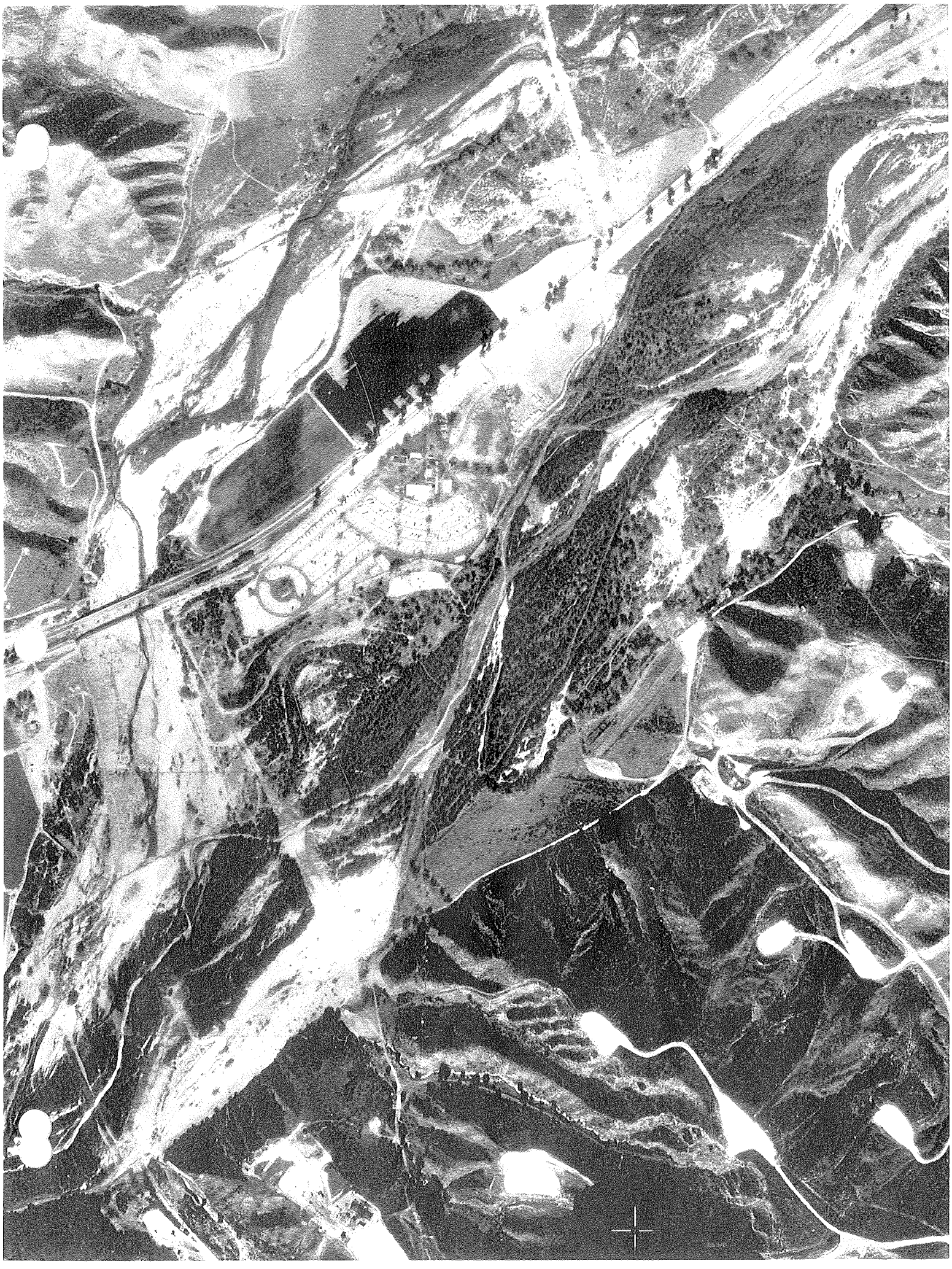
AV 13-4



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Flyer: TERRAINE

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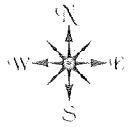

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Flyer: Teledyne
Scale: 1" = 666'

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Inquiry # 1316204.3
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Scale: 1" = 666'

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Flyer: Teledyne
Scale: 1" = 666'

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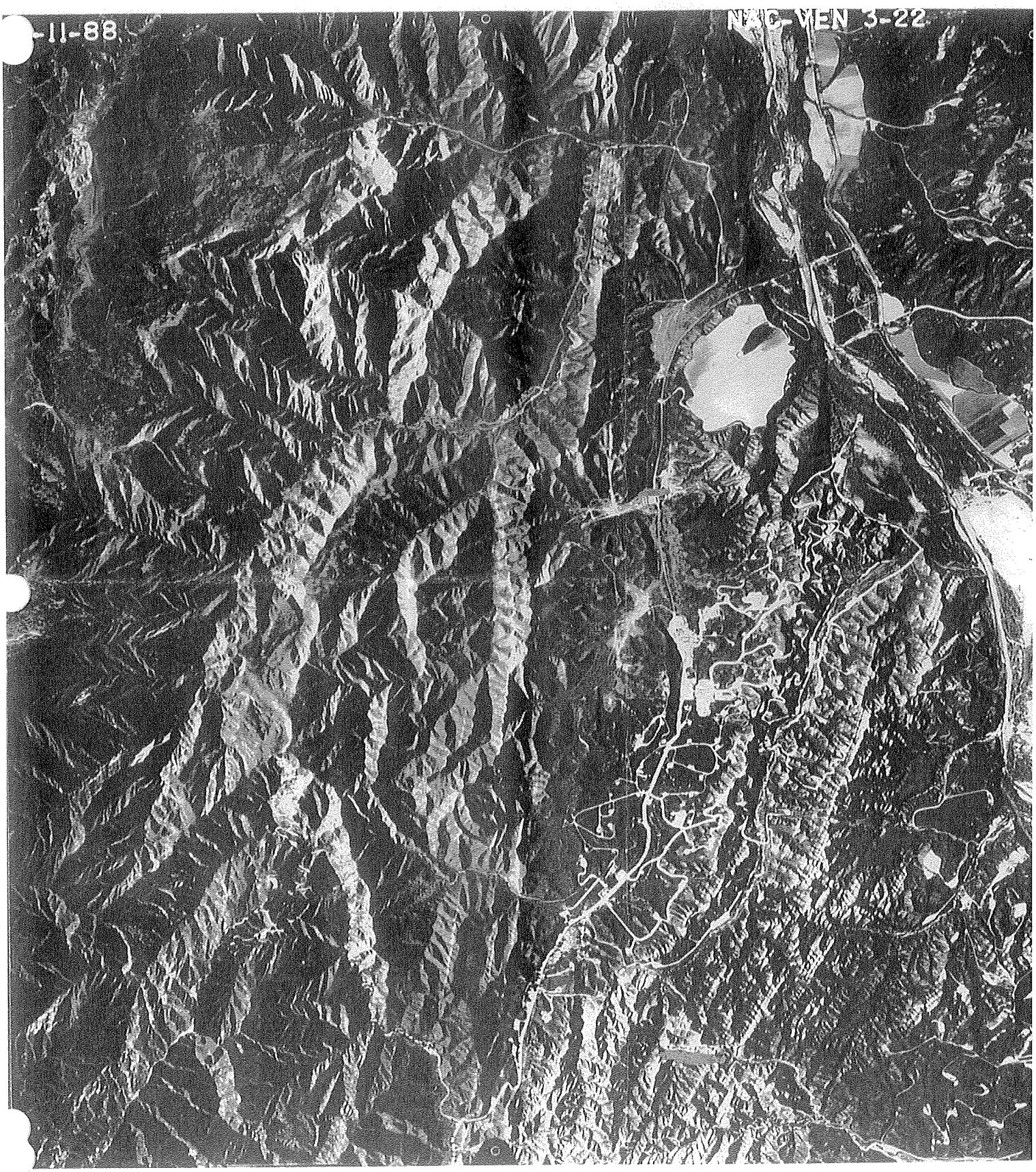
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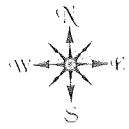

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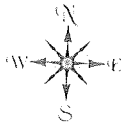

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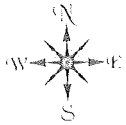

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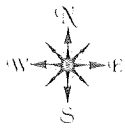

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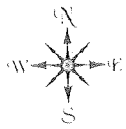

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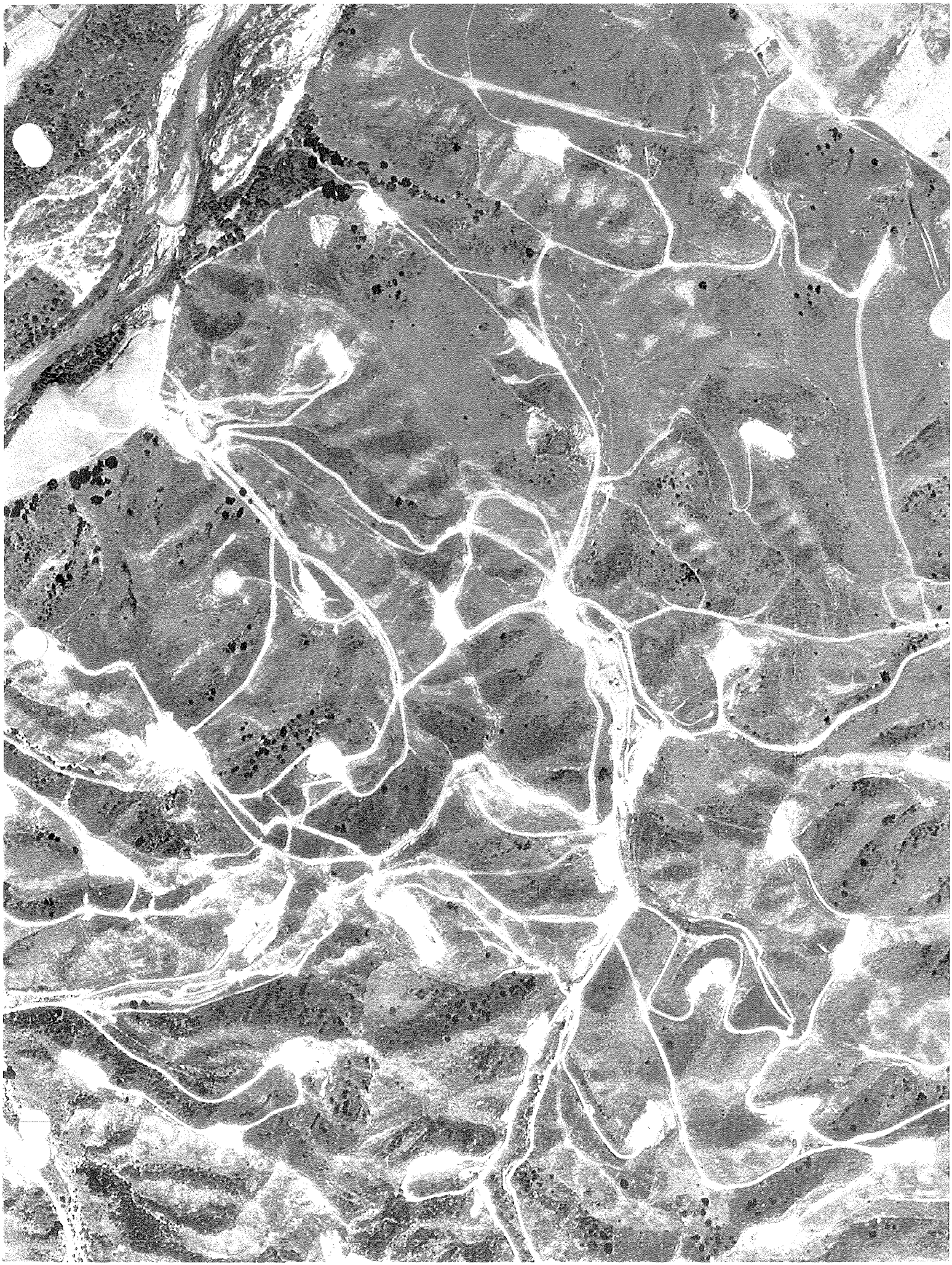
C87-31-126

1994



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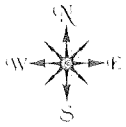

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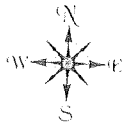

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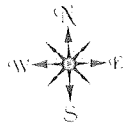

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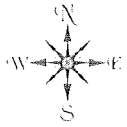
Scale: 1"=666'



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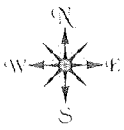

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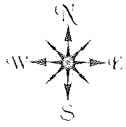
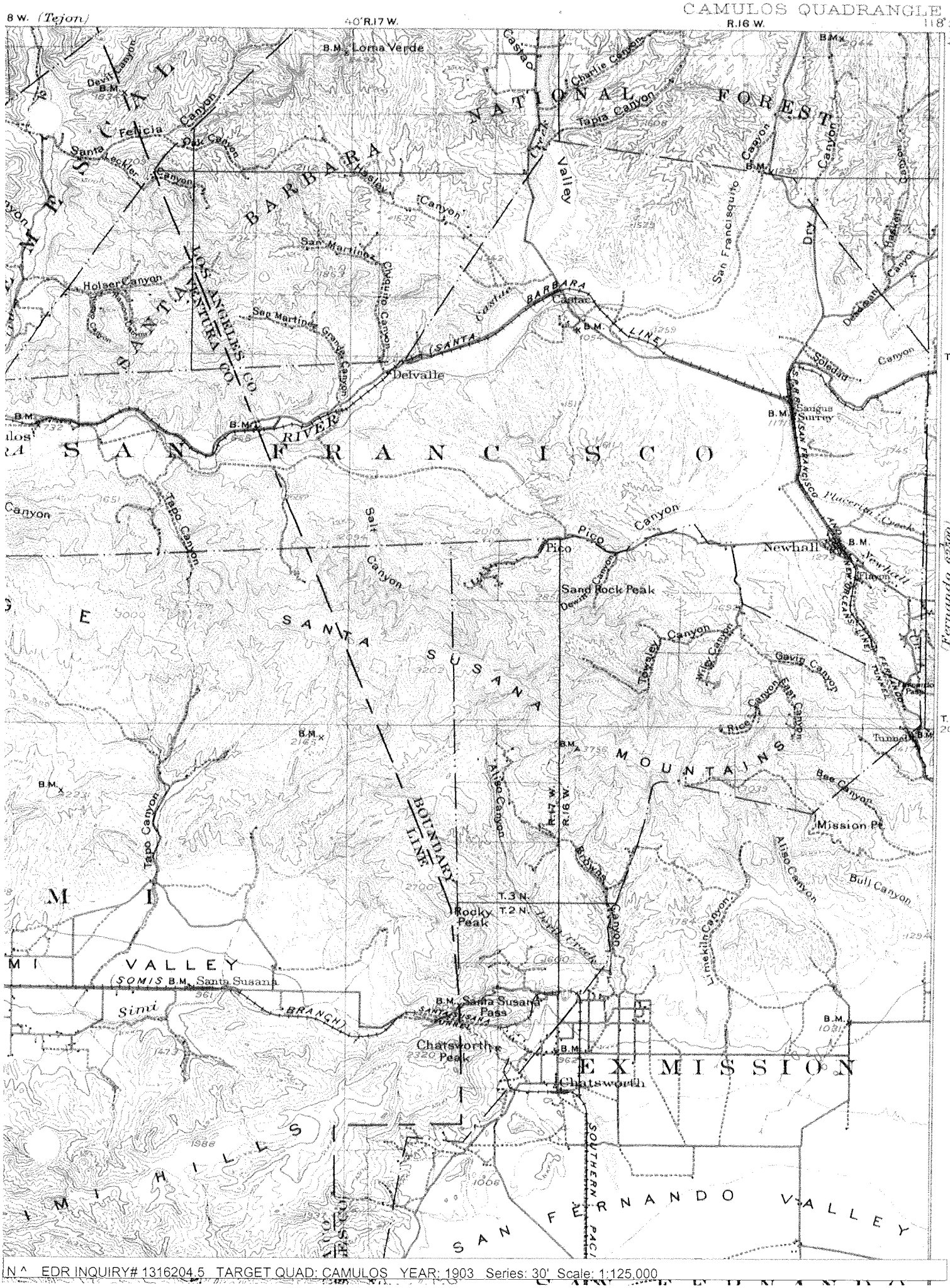


APPENDIX B:

Historical Topographic Maps



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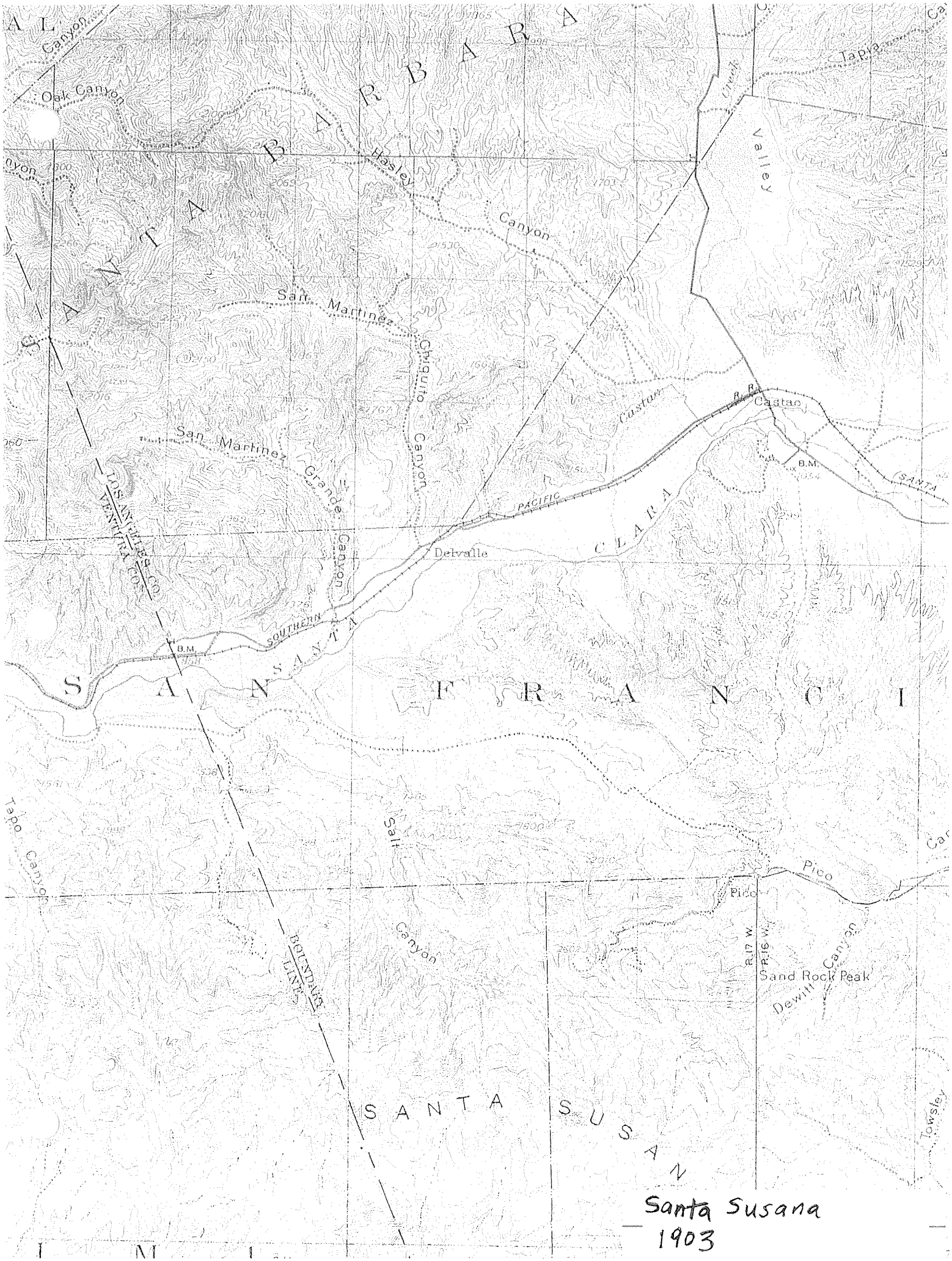
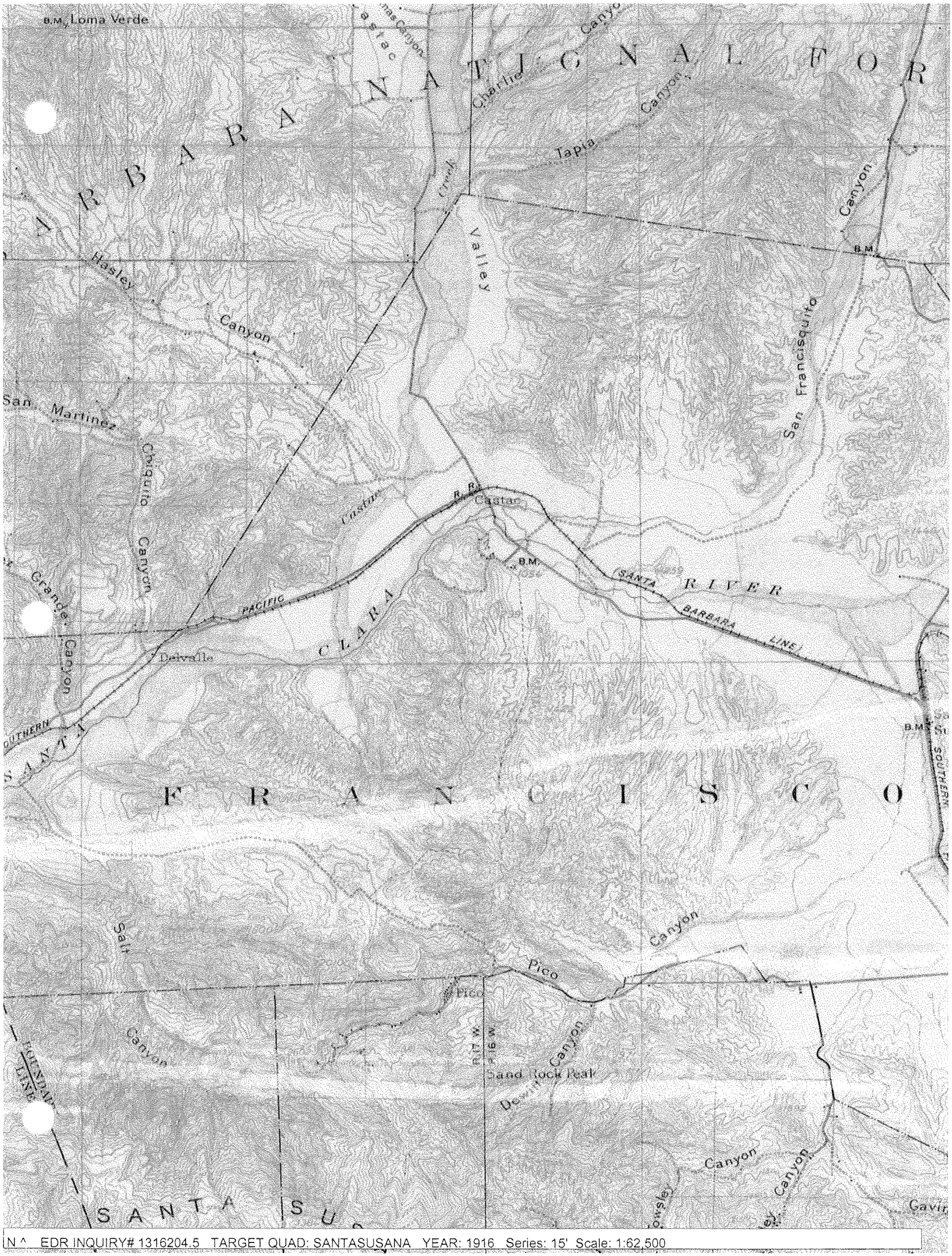
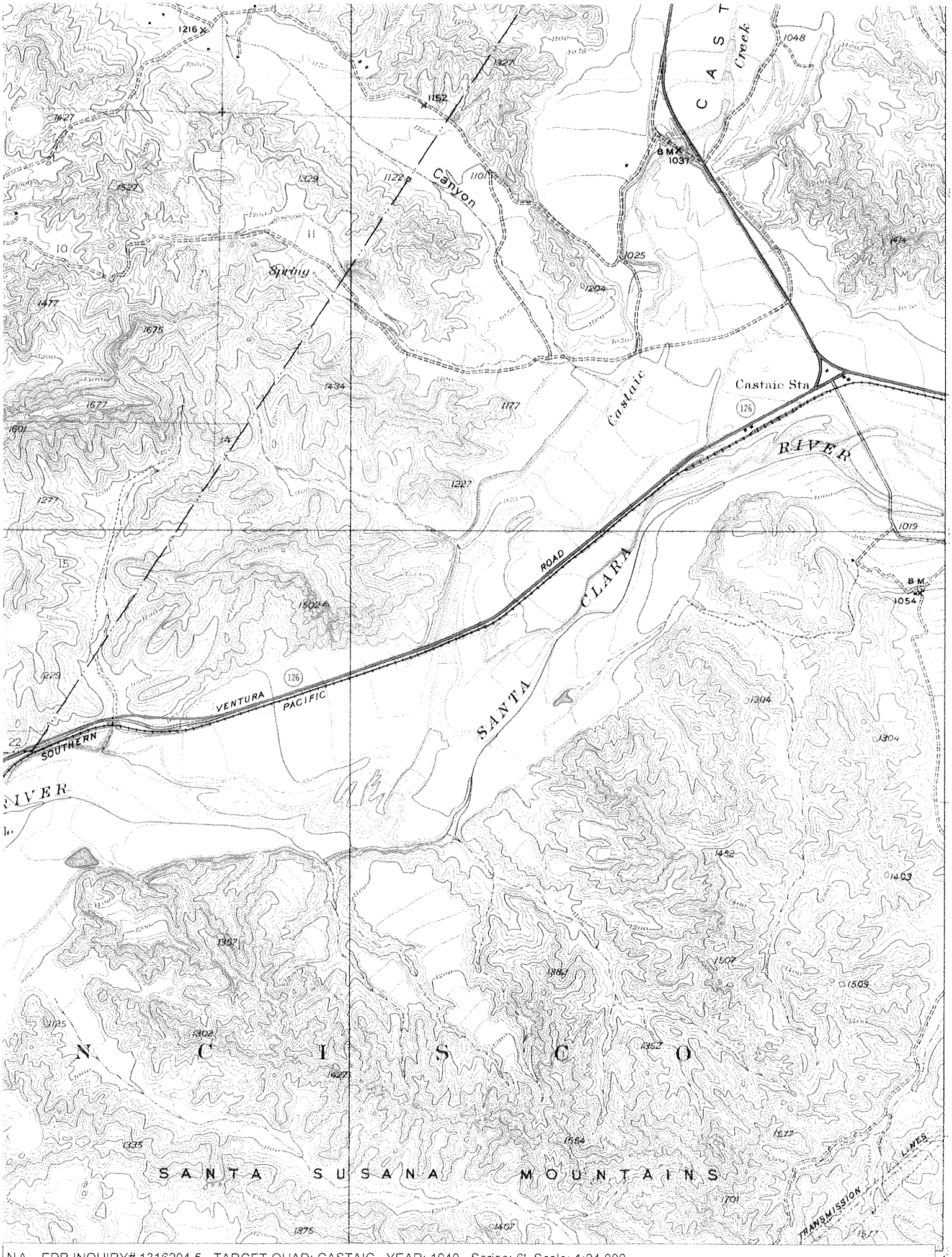
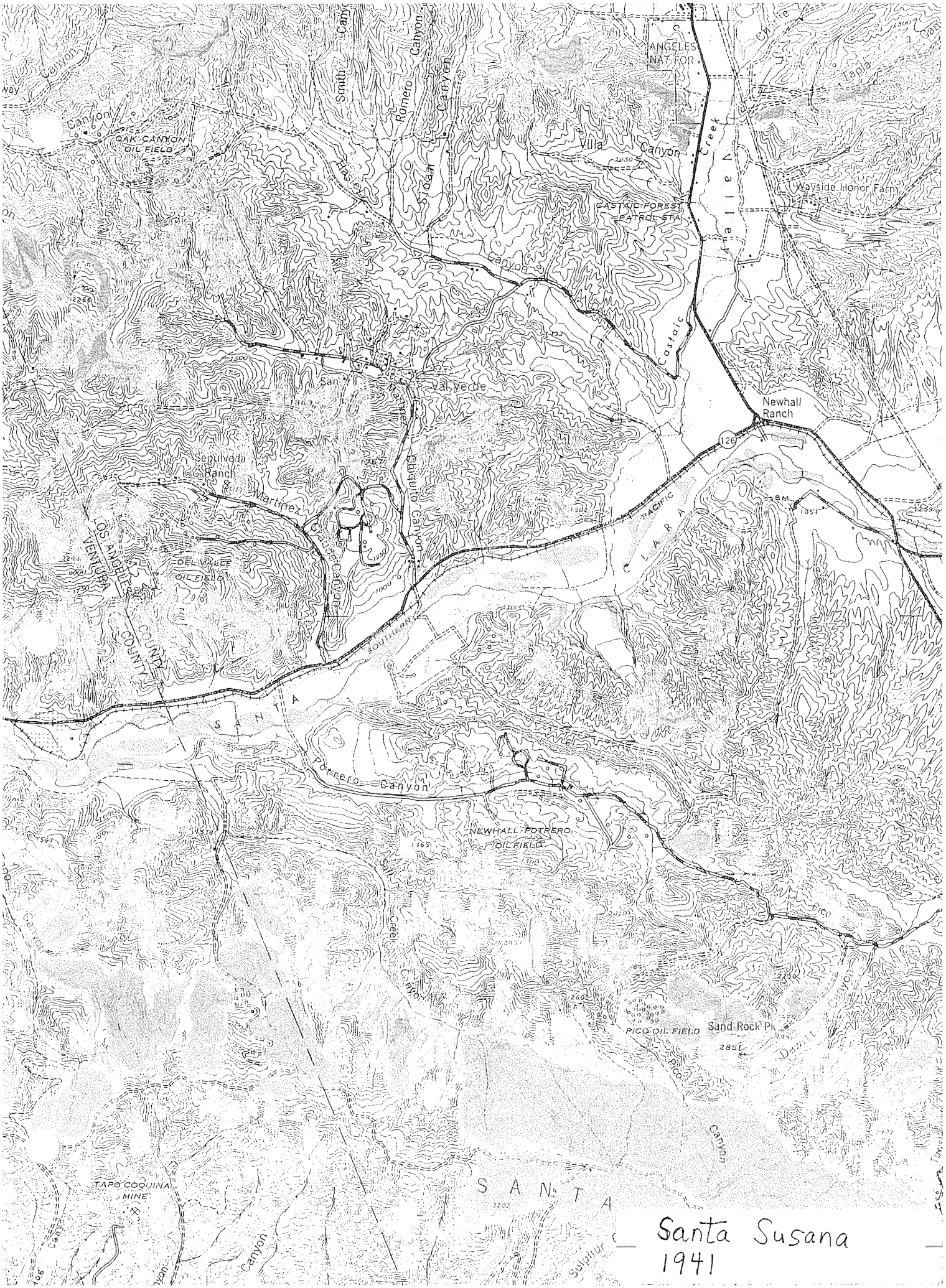


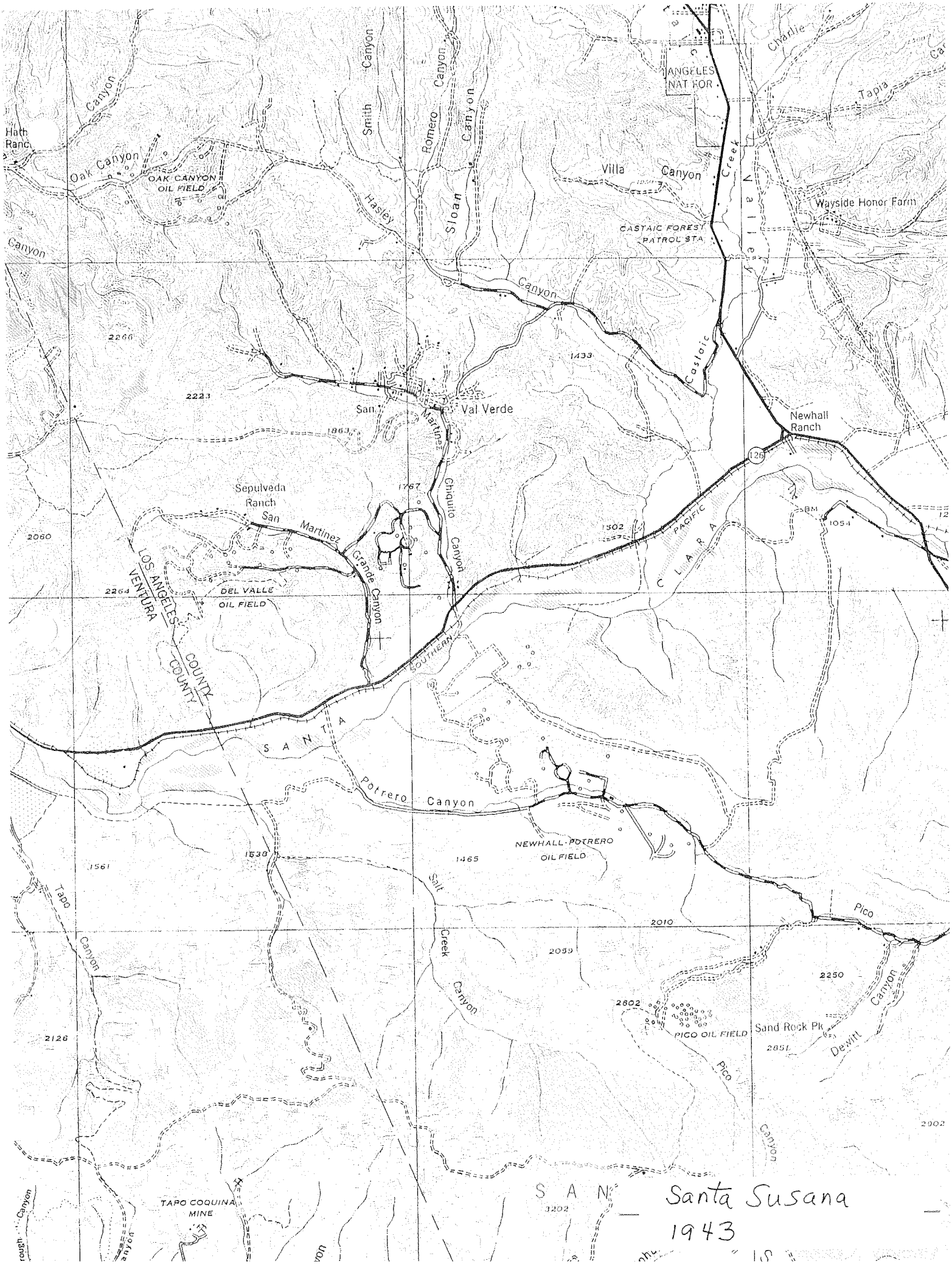
Santa Susana
1903

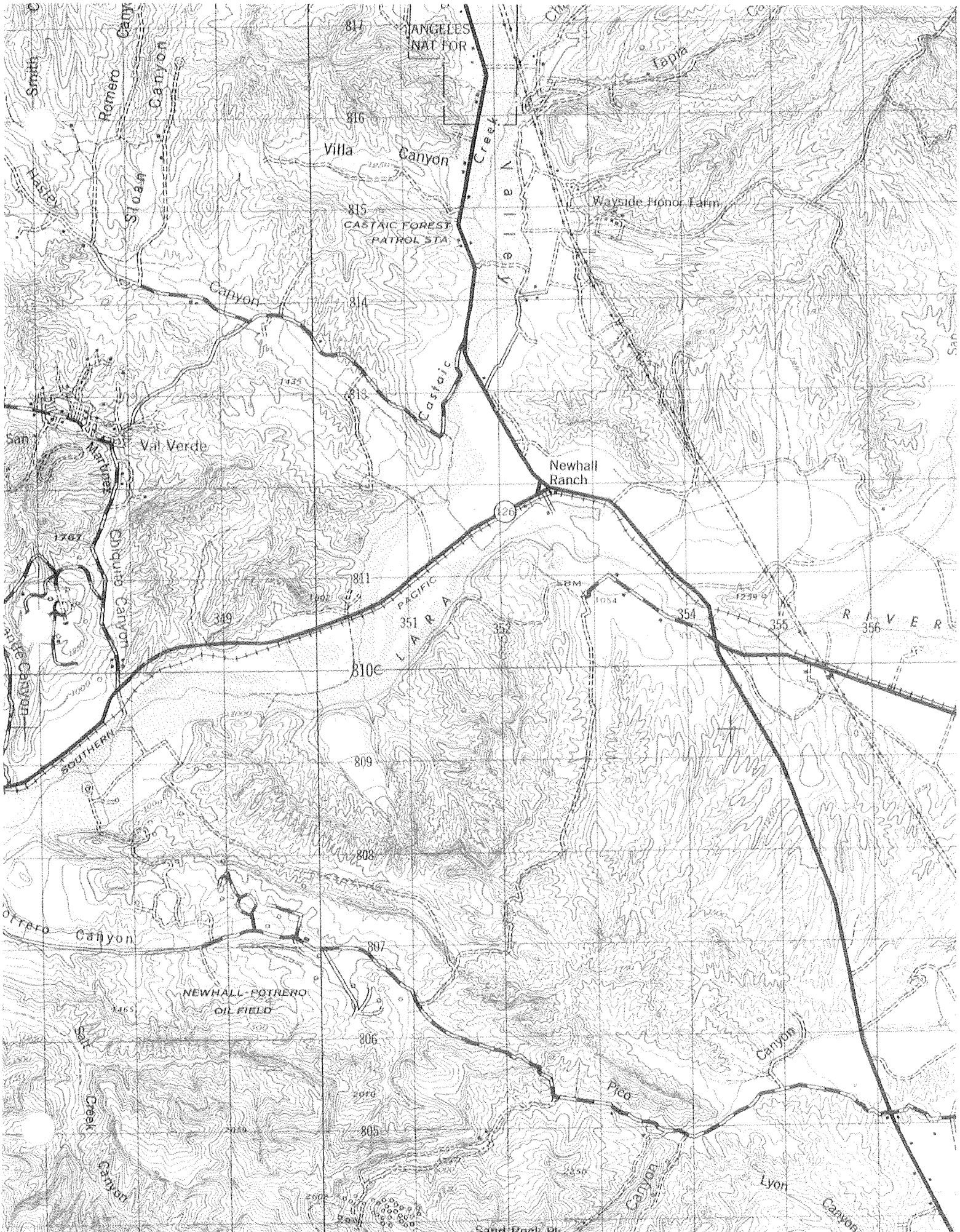

B.M., Loma Verde
SANTA BARBARA
Charlie Canyon
Tapia Canyon
Canyon
Valley
Hasley Canyon
San Francisquito
San Martinez
Chiquito Canyon
Castaic
B.M.
SANTA CLARA RIVER
PACIFIC
BARBARA LINE
Grande Canyon
Delvalle
SOUTHERN
SANTA FRANCISCO
Salt
Canyon
Pico
Sand Rock Peak
Dewitt Canyon
R.17 W.
R.16 W.
Canyon
Gavin
SANTA SUSANA

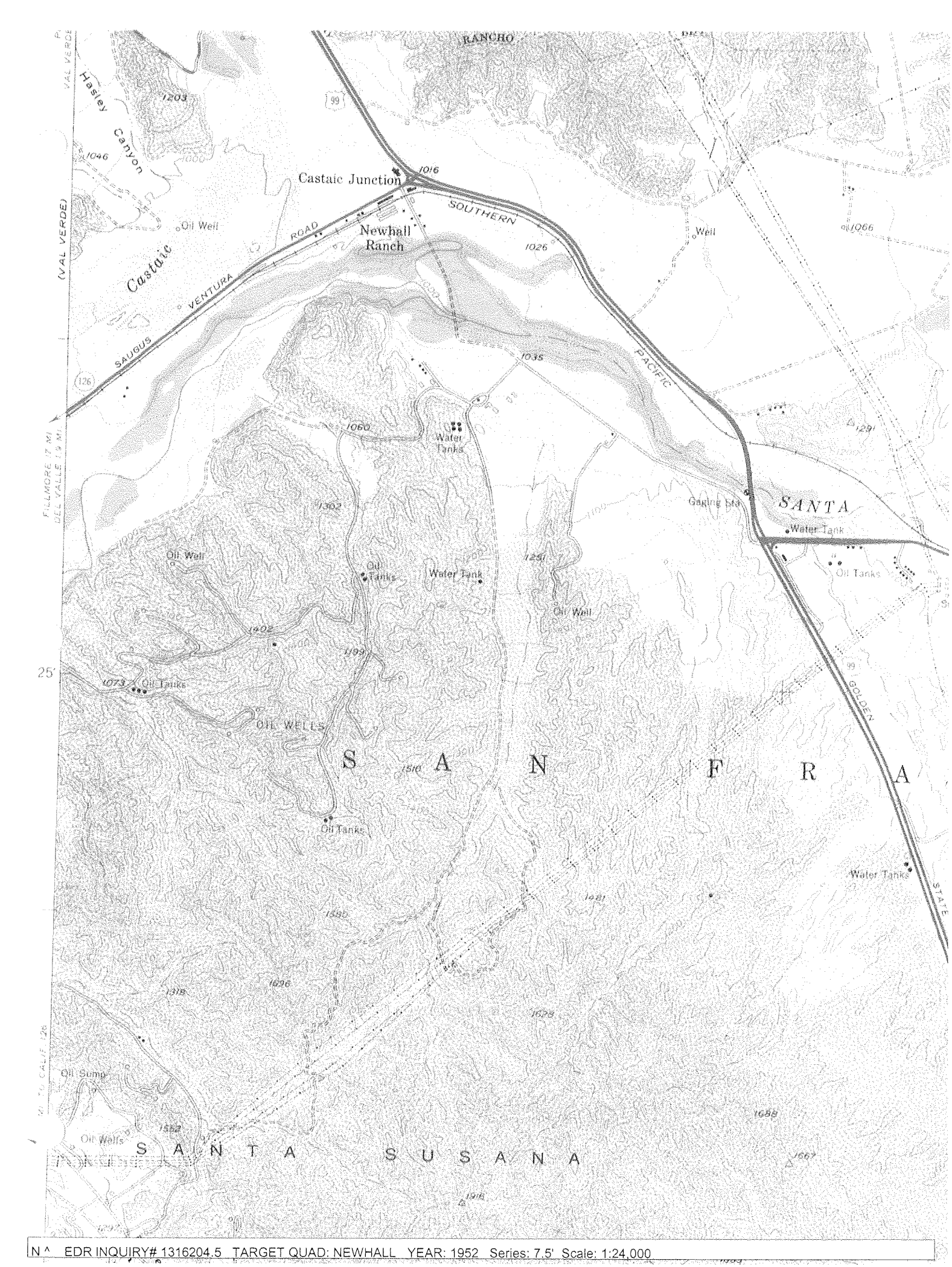

Creek
CAST
1048
BM
1037
Canyon
1025
Spring
Castaic Sta
Castaic
RIVER
1019
ROAD
CLARA
SANTA
BM
1054
VENTURA
PACIFIC
SOUTHERN
1304
1403
1509
NICASIO
SANTA SUSANA MOUNTAINS
TRANSMISSION LINES



Santa Susana
1941


Hath Ranch
Oak Canyon
OAK CANYON OIL FIELD
Smith Canyon
Romero Canyon
Sloan Canyon
Hasley Canyon
ANGELES NAT FOR
Charlie Canyon
Tapia Canyon
Villa Canyon
Castaic Creek
Valley
Wayside Honor Farm
CASTAIC FOREST PATROL STA
2266
2223
1433
San Martinez
Val Verde
Newhall Ranch
126
1863
1767
Sepulveda Ranch
San Martinez Grande Canyon
Chiquito Canyon
1502
PACIFIC
CLARA
BM 1054
2060
2264
DEL VALLE OIL FIELD
LOS ANGELES VENTURA COUNTY COUNTY
SOUTHERN
SANTA
Potrero Canyon
NEWHALL-POTRERO OIL FIELD
1561
1530
1465
Tapo Canyon
Salt Creek Canyon
Pico Canyon
2010
2059
2250
2602
PICO OIL FIELD
Sand Rock Pk
2851
Devil Canyon
2126
TAPO COQUINA MINE
3202
2902
Santa Susana
1943


ANGELES NAT FOR
Villa Canyon
Castaic Creek
Valley
Wayside Honor Farm
CASTAIC FOREST PATROL STA
Romero Canyon
Smith Canyon
Sloan Canyon
Hasley Canyon
Tapia Canyon
Val Verde
Newhall Ranch
Chiquito Canyon
SOUTHERN PACIFIC
LARA
RIVER
NEWHALL-POTRERO OIL FIELD
Potrero Canyon
Salt Creek Canyon
Pico Canyon
Lyon Canyon
Sand Rock Pk
817
816
815
814
813
811
810
809
808
807
806
805
349
351
352
354
355
356



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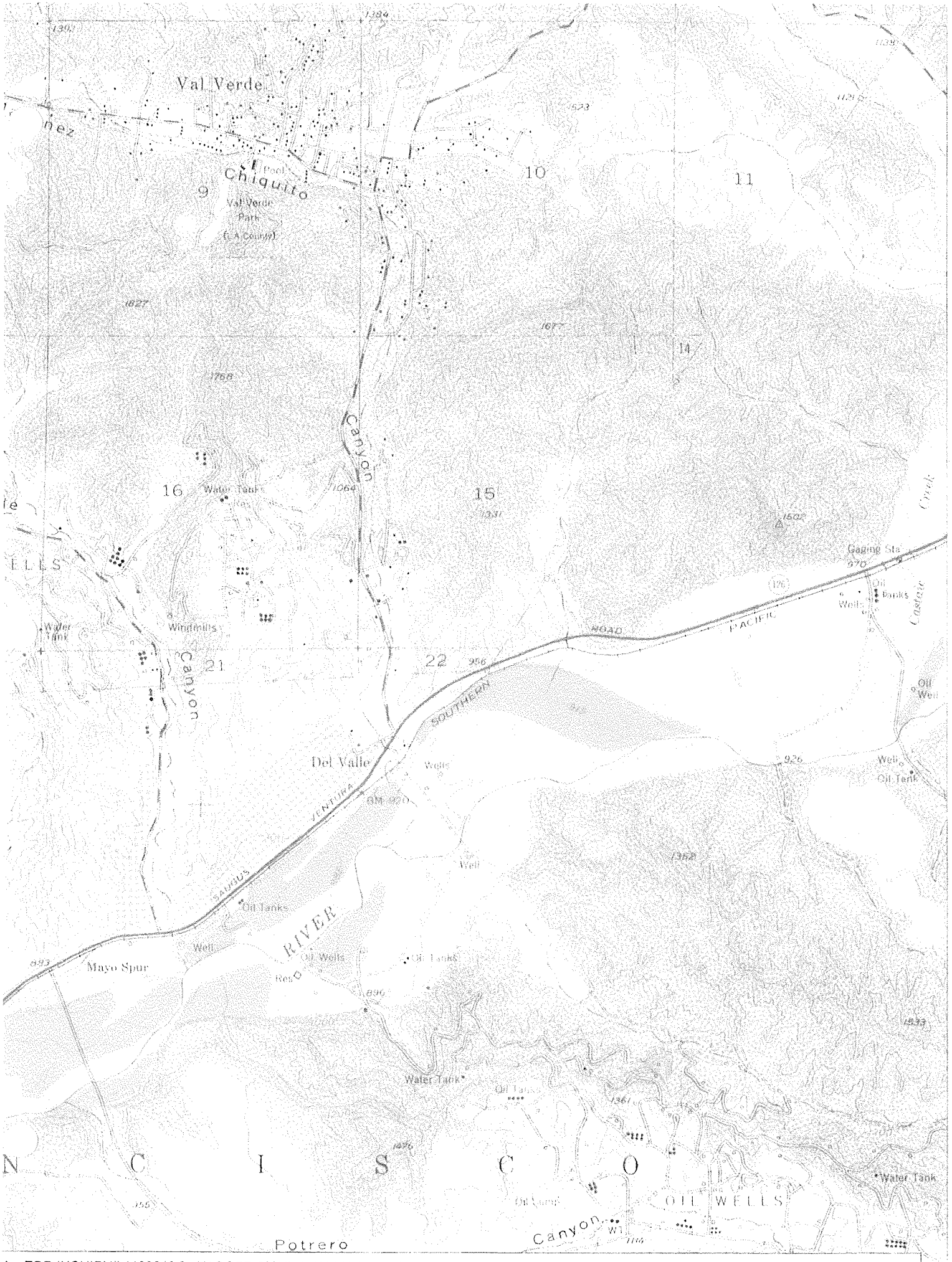
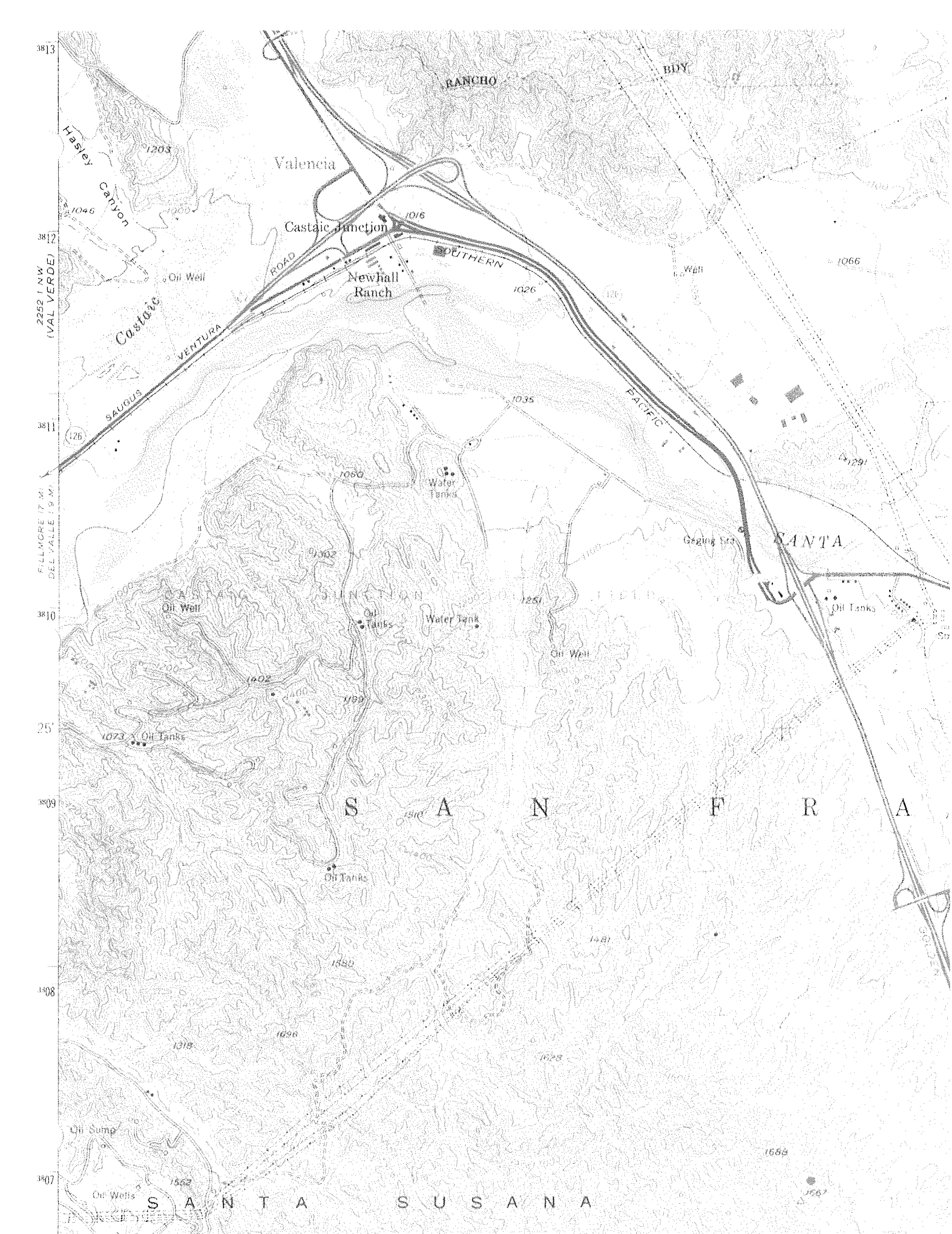
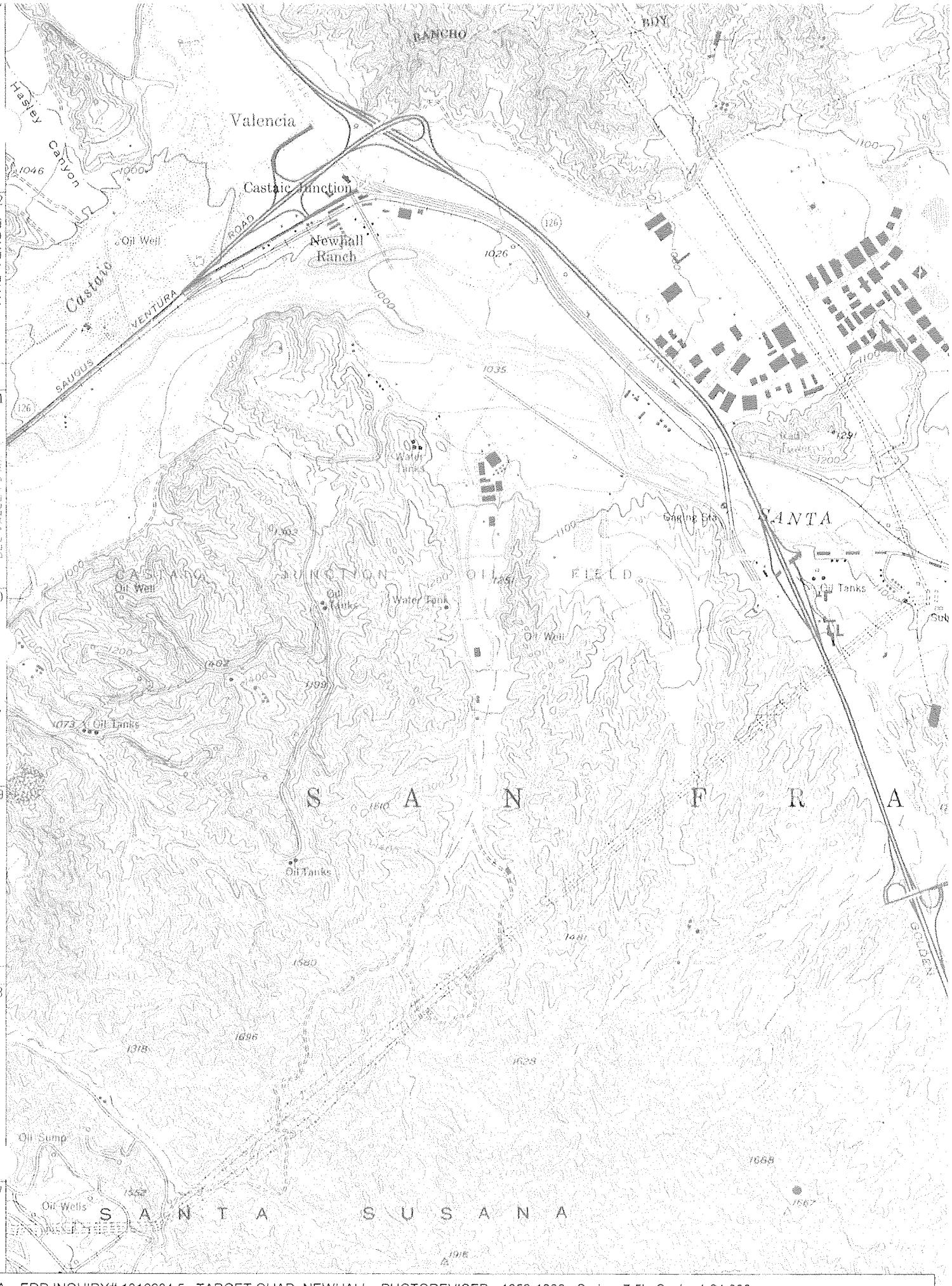

Val Verde
Chiquito
Val Verde Park
(L.A.County)
Canyon
Water Tanks
Windmills
Water Tank
Canyon
Del Valle
Wells
SOUTHERN PACIFIC ROAD
VENTURA
SAUGUS
RIVER
Oil Tanks
Oil Wells
Well
Mayo Spur
Road
Gaging Sta
Oil Tanks
Oil Well
Water Tank
Water Tank*
Oil Tanks
OIL WELLS
Potrero
Canyon
9
10
11
14
15
16
21
22
N C I S C O

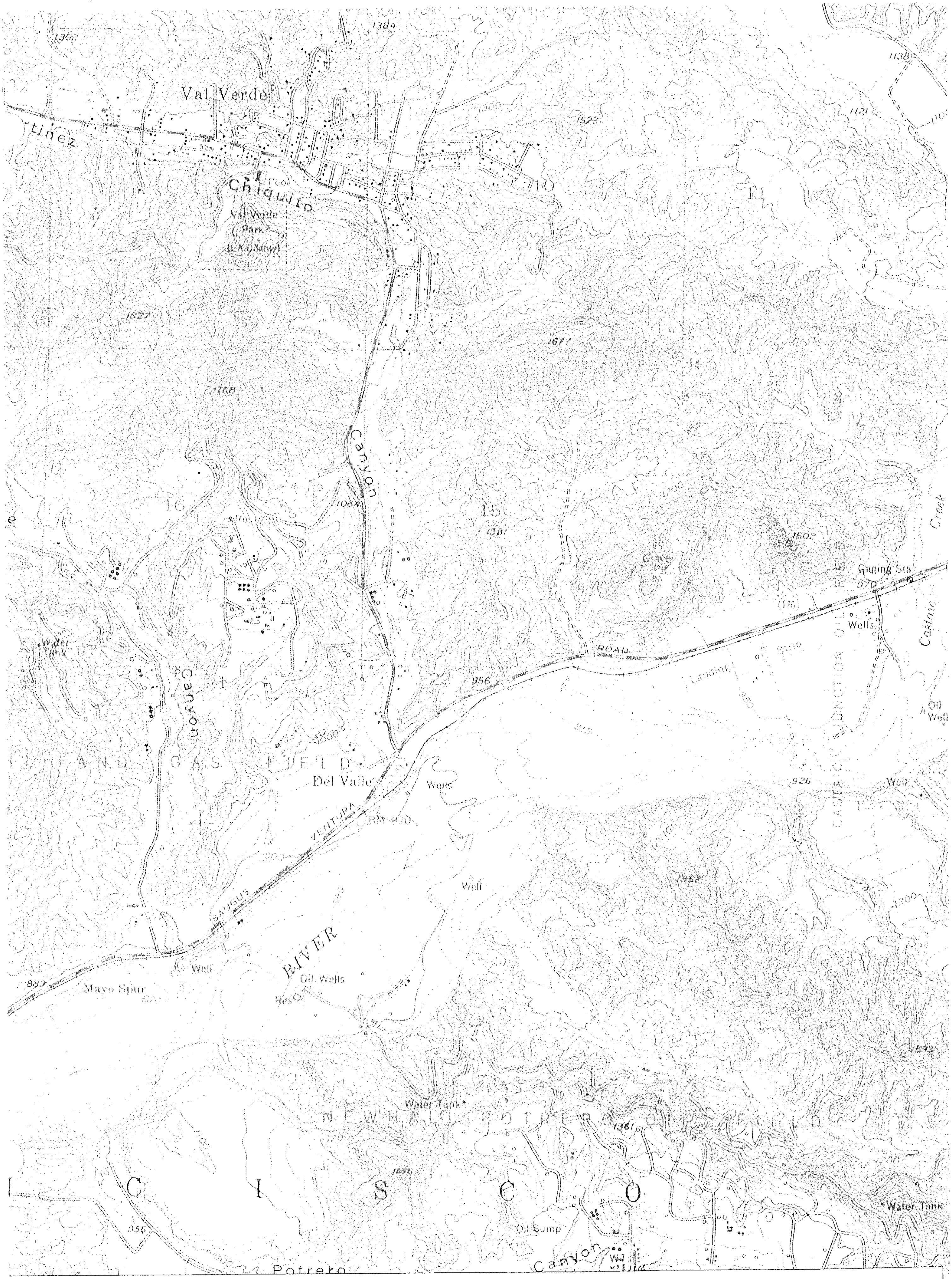

RANCHO
Valencia
Castaic Junction
Newhall Ranch
Castaic
Hasley Canyon
SOUTHERN PACIFIC
VENTURA
SAUGUS
ROAD
Oil Well
Water Tanks
Oil Tanks
Water Tank
Gaging Sta.
SANTA
S A N F R A
S A N T A S U S A N A
Oil Sump
Oil Wells
1203
1046
1016
1026
1066
1035
1060
1291
1302
1251
1402
1392
1073
1810
1880
1696
1628
1688
1562
3813
3812
3811
3810
3809
3808
3807
25'
2252 I NW
(VAL VERDE)
FILLMORE 17 MI
SEC. VALLEY 19 MI

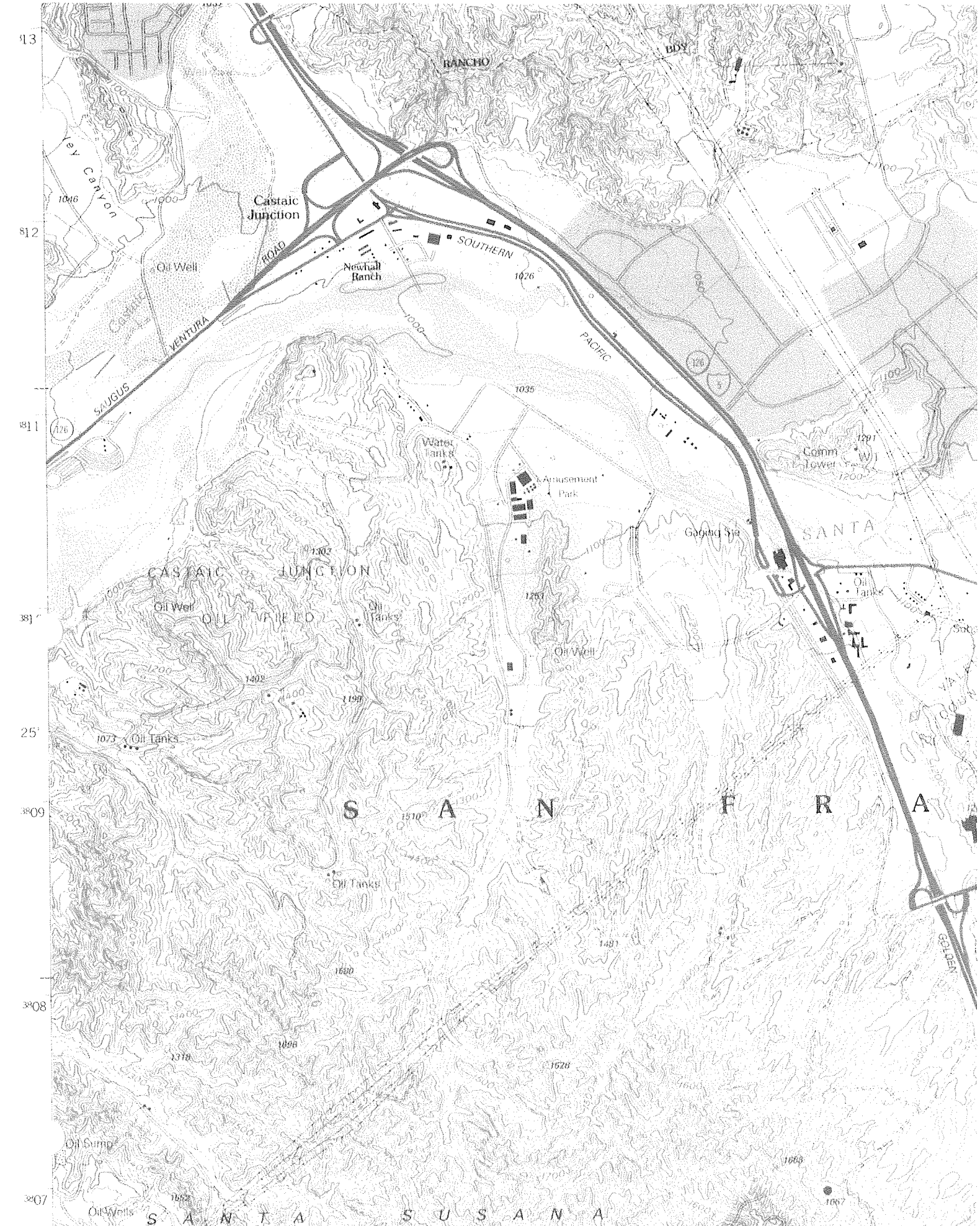
^ EDR INQUIRY# 1108642.6 TARGET QUAD: VALVERDE PHOTOREVISED: 1952-1969 Series: 7.5' Scale: 1:24,000



N ^ EDR INQUIRY# 1316204.5 TARGET QUAD: NEWHALL PHOTOREVISED: 1952-1988 Series: 7.5' Scale: 1:24,000

Val Verde
Chiquito
Canyon
Del Valle
Mayo Spur
Oil Wells
Wells
Water Tank
Gaging Sta
970
Cabinet Creek
ROAD
VENTURA
RIVER
N E W H A L L P O I N T E R O I L F I E L D
N C I S C O
Oil Dump
Water Tank
Pool
Val Verde Park
(A Cuddy)
CANYON
1384
1523
1677
1827
1138
1121
1100
1064
1381
1160
1300
1200
1000
956
950
915
926
900
870
993
855
1447
1446
1434
1262
1126
16
15
14
11
10
9
21
22


Val Verde
Chiquito
Pool
Val Verde
Park
(L.A.County)
1384
1392
1523
1300
1138
1121
1827
1677
1768
1064
1381
1502
10
11
14
15
16
21
22
Canyon
Canyon
Gravel Pit
Gaging Sta
970
126
Wells
Castaic
Creek
ROAD
956
Oil Well
915
926
Well
AND GAS FIELD
Del Valle
Wells
VENTURA
BM 920
900
SAUGUS
Well
1353
1200
RIVER
Well
882
Mayo Spur
Oil Wells
Res
1000
1533
Water Tank
NEWHALL POTRERO OIL FIELD
1361
1476
C I S C O
Water Tank
Oil Sump
Potrero
Canyon
WT



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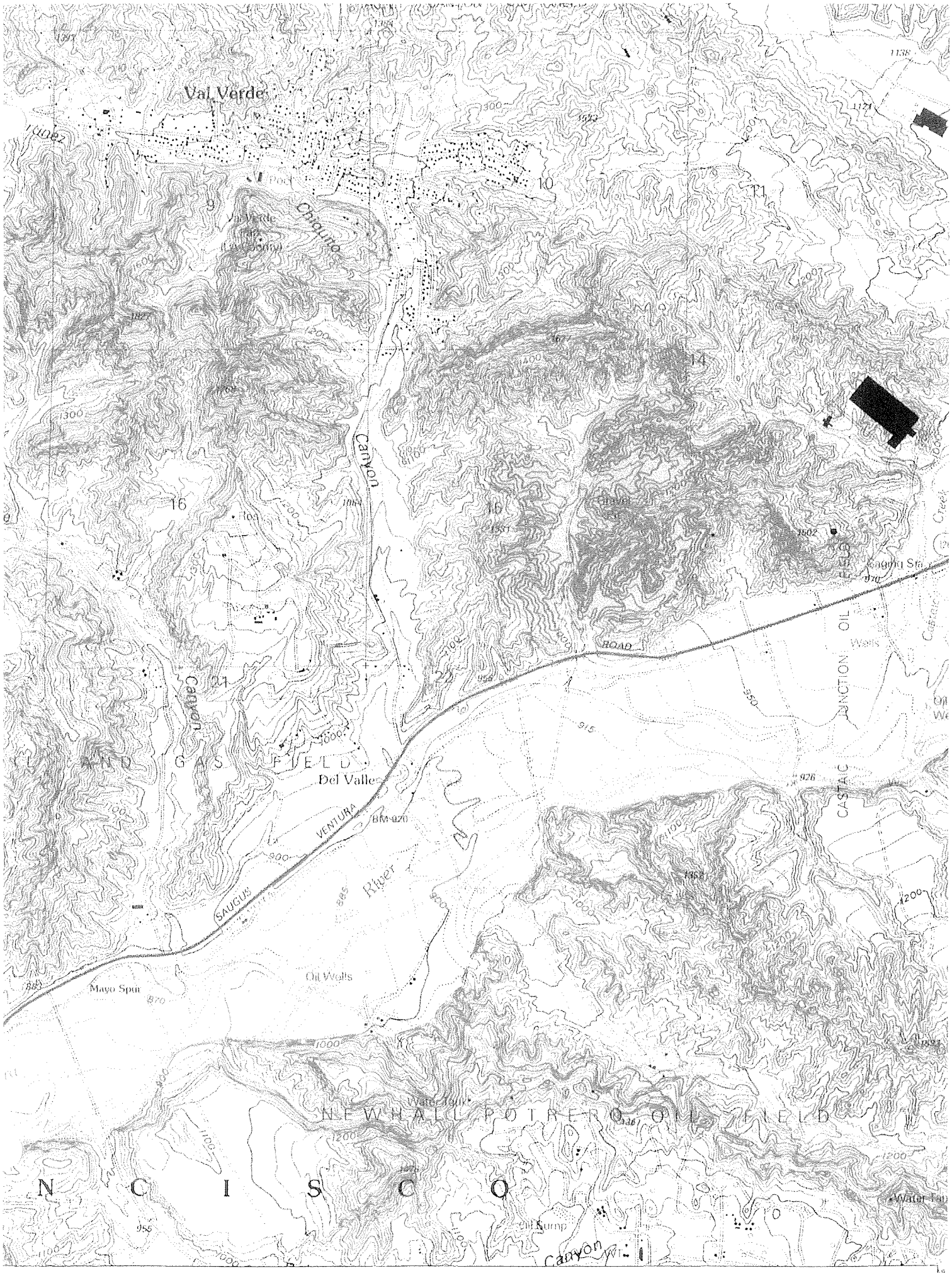


^ EDR INQUIRY# 1108642.6 TARGET QUAD: VALVERDE YEAR: 1995 Series: 7.5' Scale: 1:24,000

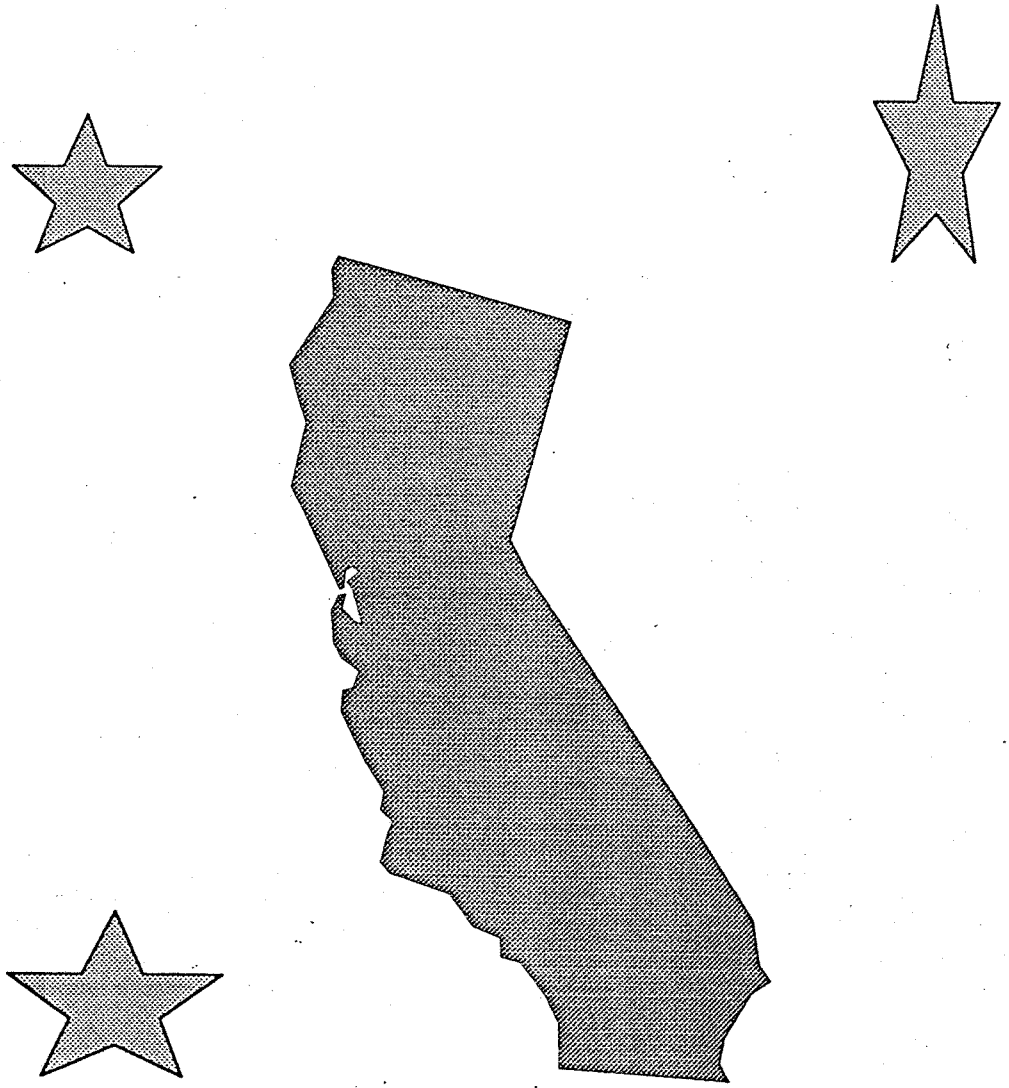
APPENDIX C:

Previous Environmental Reports

Castaic Junction

Site Abandonment

Phase 1 - Final Report



Downtown Production Organization
Operations Integrity - Compliance
October 1995

CONFIDENTIAL

Castaic Junction Site Abandonment
Phase I - Final Report

Table of Contents

Section 1. Phase I - Part 1, Site Investigations

Section 2. Phase I - Part 1, Soil Volume Estimates

Section 3. Phase I - Part 1, Recommendations for Additional Investigation

Section 4. Phase 1 - Part 2, Site Investigations

Section 5. Phase 1 - Parts 1 and 2, Lab Analysis Results

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Castaic Junction Site Abandonment

Section 1

Phase I - Part 1
Site Investigations

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TANK BATTERY INVESTIGATION

CASTAIC JUNCTION, CALIFORNIA

Presented in this report are the results of EUSA Downtown Production Organization's (DPO's) investigation of seven tank batteries and associated areas, plus four additional production facilities areas. Site investigations were conducted during the week of July 24, 1995, and August 15-17, 1995. The purpose of the first site visit was to assist field personnel with identifying surface and shallow subsurface oil-impacted soil. To that purpose, numerous soil samples were collected below visibly impacted soil. Samples were collected for BTEX and TPH analyses by off-site laboratories. Table 1 provides a summary of these data as provided by Del Mar Analytical Laboratory.

Oil-impacted soil was more extensive than originally anticipated and all sites of concern were not visited on the initial survey; therefore, a second visit was scheduled. Between DPO's visits, field personnel continued to excavate sites of concern and collected soil samples. Soil samples were also collected by Phil Sanchez on August 7 and 11, 1995. The second site visit was conducted to complete the soil sampling of previously visited sites, investigate newly excavated sites, and delineate the vertical extent of selected sites known to contain deeper impact.

This report was prepared to provide a summary of the site investigation to data. Also included are recommendations for site-specific remediation and for additional investigations for some sites of concern. DPO recommends that a Phase II study be initiated to obtain data for further delineation and remediation of several sites of concern as identified in the Phase I report.

If you need to discuss this report any further, please call any of the following investigators:

F. E. (Buddy) Hand	(713) 656-0252
M. S. (Margaret) Wong	(713) 656-7516
J. A. (Jack) Rickner	(713) 656-0266

09/05/95

CASTAIC JUNCTION

Locations Visited by DPO

- Tank Battery 1 - Plate 4 (Harding Lawson Associates, 1992)
- Tank Battery 2 - Plate 5A (Harding Lawson Associates, 1992)
- Tank Battery 3 - Plate 6B#2 (Harding Lawson Associates, 1992)
- Tank Battery 4 - Plate 7 (Harding Lawson Associates, 1992)
- Tank Battery 5 - Plate 8 (Harding Lawson Associates, 1992)
- Tank Battery 6/7 - No Applicable Plate for Study Area
- Gas Plant Area - Plate 9A (Harding Lawson Associates, 1992)
- Tank Battery 8 - Plate 10 (Harding Lawson Associates, 1992)
- Round House - Plate 11A (Harding Lawson Associates, 1992)
- Condensate Tank - Plate 3 (Harding Lawson Associates, 1992)
- Drill Pad 63 - Plate 15 (Harding Lawson Associates, 1992)

Naming Convention for Soil Samples Collected

As requested by Steve Berry, the soil sample number designations include the applicable tank battery facilities plate number from the 1992 Harding Lawson Associates (HLA) Site Assessment Report, Tank Battery number, and a number indicating the order the sample was collected. Tank Battery 6/7, GP-17 Production Sump, and Drill Pad 63 did not have applicable plates, therefore a hand sketch was drawn illustrating the locations of trenches and locations of where soil samples were collected. Sample numbers from Tank Battery 6/7 do not have a plate number at the beginning of the prefix.

Numbering Convention of Photographs

Photographs are numbered to indicate the corresponding plate and tank battery numbers and photograph number. For example, 7TB4-P1 represents the first photo taken at Tank Battery 4 shown on Plate 7 of the HLA report.

Location of Trenches

Many of the trenches were dug several weeks prior to the arrival of DPO staff; some trenches were dug during the week we were present and collecting samples. The trenches were dug to:

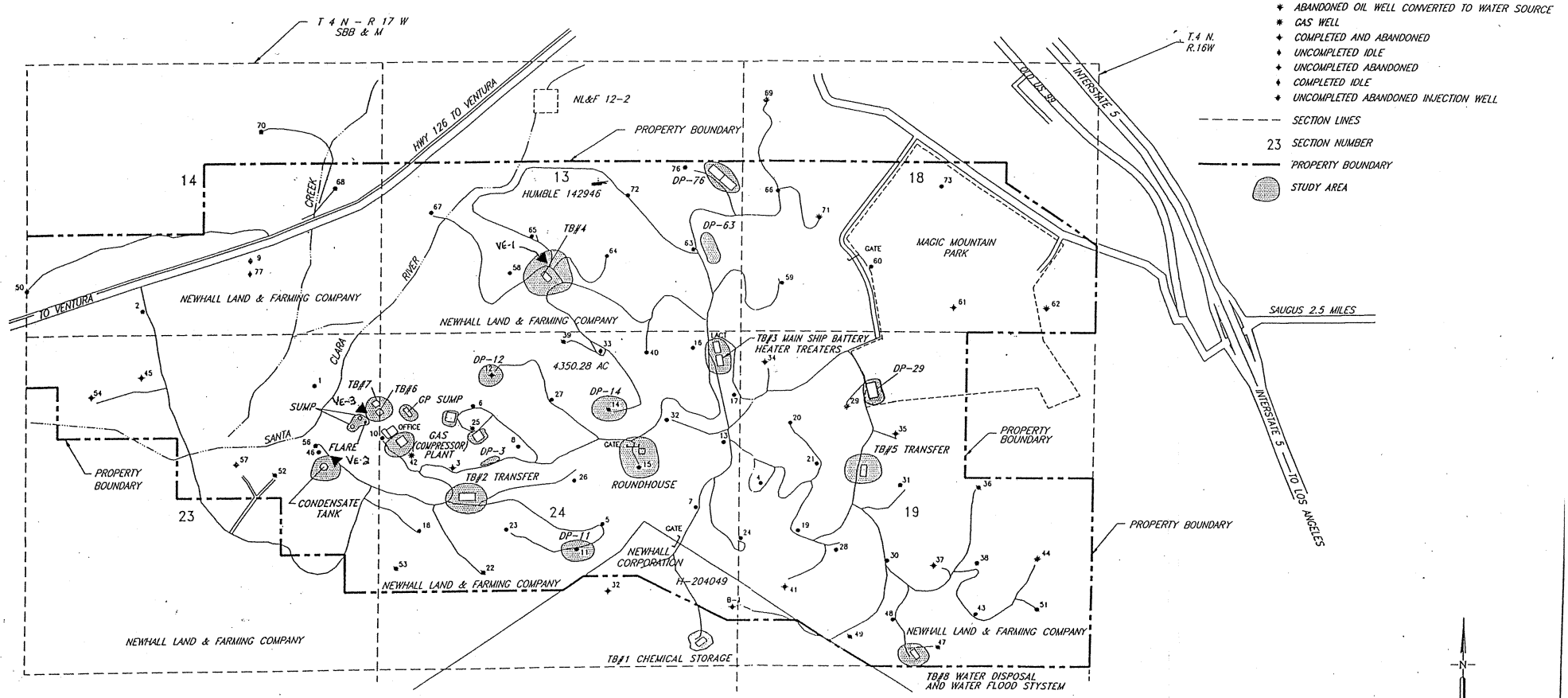
- Excavate buried pipelines.
- Determine the extent of oil contamination.

- Determine the volume of stained or oiled soil that would have to be hauled off or remediated prior to field abandonment.

Placement of the trenches was based on field personnel's knowledge of past activities at a particular tank battery or facilities site and the soil-stained areas noted on the plates in the HLA report.

Because all tanks and surface equipment have been removed from all sites, DPO utilized other physical landmarks such as power line poles, roads or base/top of cut slopes to measure and document the location of the trenches and sample locations on the HLA plates. Placement of the trenches are reasonably accurate relative to each other, but are only approximately accurate relative to the plates and the previously existing facilities that were present because these landmarks were not noted on the plates in the HLA report or because they were not always located accurately.

Location Map



EXPLANATION

- TB TANK BATTERY
- PRODUCING OIL WELL (MUNGER 1991)
- DIRECTIONAL HOLE
- INJECTION WELL
- ABANDONED OIL WELL CONVERTED TO WATER SOURCE
- GAS WELL
- COMPLETED AND ABANDONED
- UNCOMPLETED IDLE
- UNCOMPLETED ABANDONED
- COMPLETED IDLE
- UNCOMPLETED ABANDONED INJECTION WELL
- SECTION LINES
- 23 SECTION NUMBER
- PROPERTY BOUNDARY
- STUDY AREA

N

Scale 0 750 1500 feet

CONFIDENTIAL

REFERENCE: Modified from ESE Phase 1 Environmental Audit, October 25, 1991

Harding Lawson Associates
Engineering and
Environmental Services

SITE PLAN
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE **1B**

Rev. July/August, 1995

DRAWN	PROJECT NUMBER-TASK	APPROVED	DATE	REVISED DATE
JCM	10540-553		8/92	

TANK BATTERY 1

1. Dug hole 7 feet below ground surface (bgs), down to native soil (white sandstone).

   Sampled soil in hole:
   4TB1-1, 7 feet bgs; no detectable hydrocarbons.
   4TB1-2, 3 feet bgs; hydrocarbons detected below soil screening levels.

2. Sampled wall opposite (west) of above hole, *4TB1-3, 4 feet 2 inches* below vegetation. Contact between soil overburden and native sandstone is 3 feet bgs.

   4TB1-3; no detectable hydrocarbons.

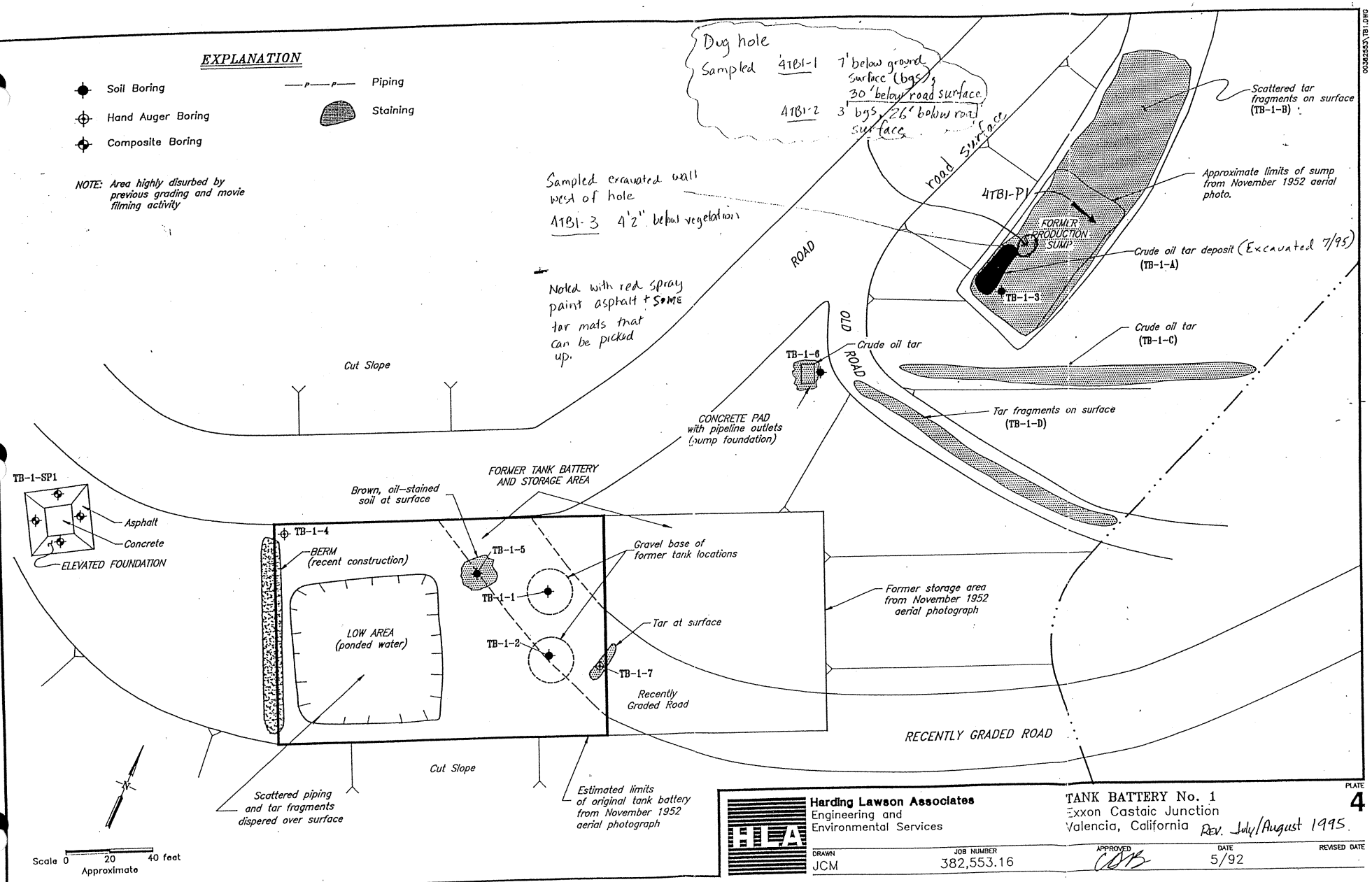
3. Noted asphalt paddies and tar mats with scattered along the ravine (Photo 4TB1-P2).

Recommendations:

1. • Finish removal of the contaminated zone identified in Photo 4TB1-P1.
   • Volume of soil to be removed appears very small and not determined.
   • Analysis of samples indicate sump has otherwise been sufficiently excavated.

2. • Remove stockpiled soil from the previous tank battery site.
   • Explore areas shown on HLA's report Plate 4, specifically the low area (ponded water) and locations identified as TB-1-5 and TB-1-7. Also, trench through tank locations TB-1-1 and TB-1-2.
   • If oil-impacted soil discovered, excavate for disposal.

3. • Remove small asphalt paddies around the former production sump with smaller equipment or hand shovels (possibly 5 cubic yards). There is potential for these paddies to become more mobile and "ooze" in the heat of sunlight and generally create a poor appearance.



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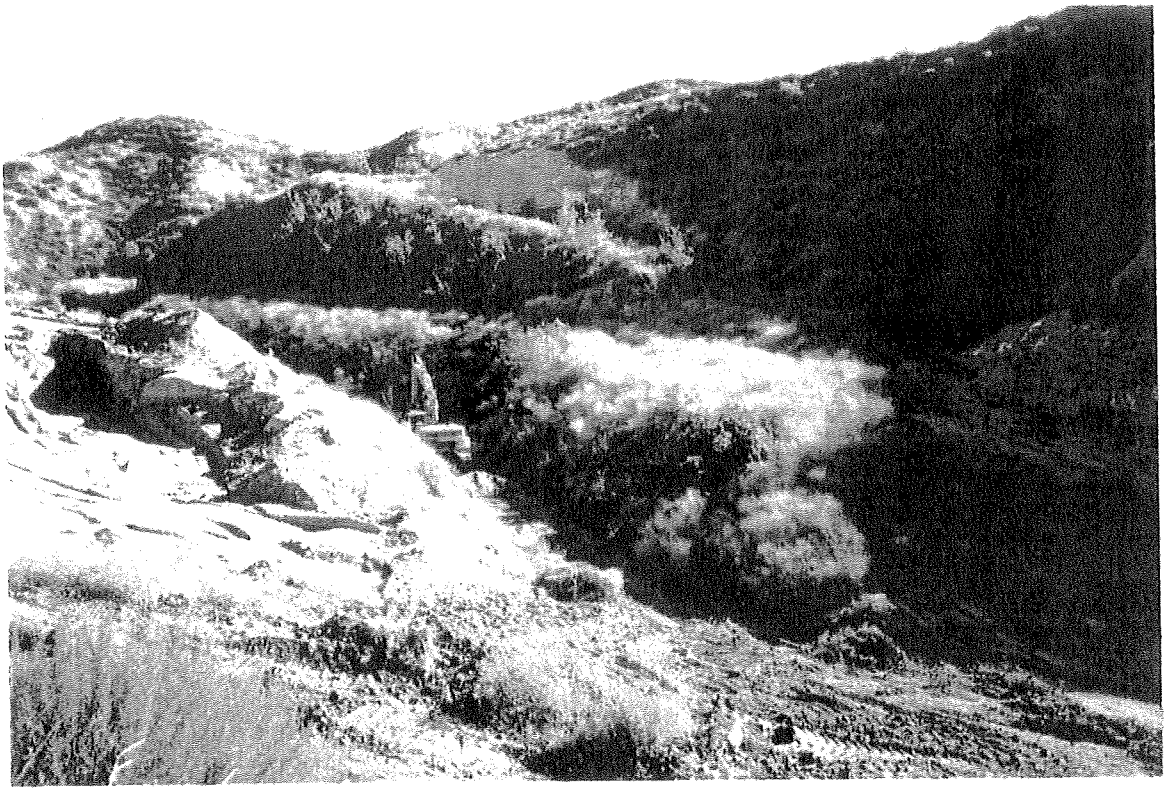
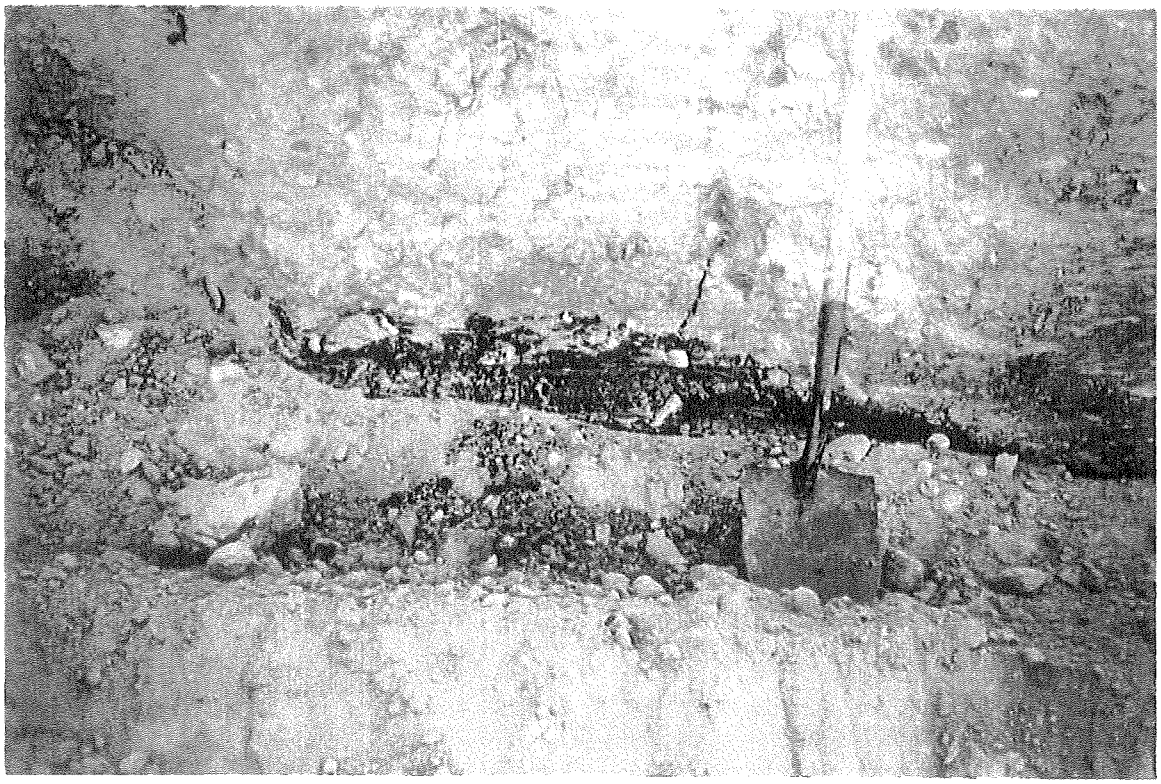


Ravine at Tank Battery 1
Photo 4TB1-P2



Ravine at Tank Battery 1
Photo 4TB1-P1

TANK BATTERY 2

The base of the west slope was used as the reference to locate and measure the trenches and was assumed to be correctly located on the HLA Plate 5A. Trenches A and C were excavated while DPO was on site; other trenches excavated prior to DPO's arrival.

Per Dave Smith, the dozer operator, the back (northernmost) two tanks at TB 2 were empty for a few years and left in place. The middle two tanks in the front were in use until recently. All tanks were removed two-three months ago. Tanks were used for condensate storage.

Trench A

This trench was dug while DPO was on location. Strong hydrocarbon odor and soil discoloration were observed during excavation. Maximum depth of trench was approximately 15 feet bgs (south of where it crosses Trench F). Discoloration was observed to that depth. There was no discoloration observed in the southern 15 feet of the trench. Per Dave, both Trenches B and F at TB 2 had a similarly strong odor when he dug them a few weeks ago.

1. Took soil samples from the backhoe bucket in Trench A, approximately 5 feet south of the intersection with Trench F:
   5ATB2-1, 9-foot bucket sample. Exceeds soil screening levels for 40 to 150-foot level.
   5ATB2-2, 15-foot bucket sample. Exceeds soil screening levels for 40 to 150-foot level.
   5ATB2-22, 21-foot bucket sample. Exceeds soil screening levels for 40 to 150-foot level.

   All samples were medium to fine sand with strong hydrocarbon odor and somewhat moist.

2. Sampled 1 foot from south end, west wall:
   5ATB2-3, 2 feet bgs; no detectable hydrocarbons.
   5ATB2-4, 4 feet bgs; no detectable hydrocarbons.

Trench B

North-south trending trench on east end. Using the cut slope as a starting reference point, this trench was measured from the base of the slope on the north end and south end. All trenches to the west were measured from this trench. Small area of mobile oil noted north of the intersection of Trenches B and F along west wall of B.

3. Sampled 5 feet from north end of trench, west wall:
   5ATB2-5, 4.5 feet bgs; no detectable hydrocarbons.

4. Sampled 13 feet from south end of trench, east wall:
   5ATB2-6, 2 feet bgs; sand and gravel; hydrocarbons detected below soil screening levels.
   5ATB2-7, 4 feet bgs; sand and gravel; no detectable hydrocarbons.

Trench C

Short north-south, 44-foot-long trench. This trench was dug while DPO was on site. Discoloration noted down to bottom of trench in northern 20 feet of the trench. Strong hydrocarbon odor was noted while trench was being excavated.

5. Sampled 11 feet from south end of trench, west wall:
   5ATB2-8, 4 feet bgs; no detectable hydrocarbons.
   5ATB2-9, 2 feet bgs; hydrocarbons detected below soil screening levels..

Trench D

Westernmost north-south trending trench. Tar patch observed ~6 feet from north end (2 feet wide and 8 inches thick) and at southern Tee on east wall in the upper 2 feet.

6. Sampled 7 feet from south end of trench, east wall:
   5ATB2-10, 2 feet bgs; no detectable hydrocarbons.
   5ATB2-11, 4 feet bgs; no detectable hydrocarbons.
7. Sampled 2 feet from north end of trench, west wall:
   5ATB2-12, 2 feet bgs; no detectable hydrocarbons.
   5ATB2-13, 4 feet bgs; no detectable hydrocarbons.

Trench E

East-west trending trench on west end of TB 2, 57 feet long. Upper 2 feet has discontinuous asphalt material (possibly reworked surface fill?). Light gray discoloration observed to total depth of trench (~4 feet) at 12-16 feet from west end of trench. **Recommend deepening this area to determine extent of discoloration.**

8. Sampled 5 feet from west end of trench, north wall:
   5ATB2-14, 2 feet bgs; no detectable hydrocarbons.
   5ATB2-15, 4 feet bgs; hydrocarbons detected below soil screening levels..
9. Sampled 3 feet from east end of trench, south wall, 3 inches under a 2-foot black asphaltic patch:
   5ATB2-16, 4.5 feet bgs; hydrocarbons detected below soil screening levels..

Trench F

East-west trending trench, 110 feet long. Upper 2 feet contains asphaltic material, fairly continuous on the eastern half and more discontinuous on the western half. Gray discoloration appears to be present below the asphaltic layer down to a depth of ~4 feet. No discoloration at depth was observed on the west end to the slough in area (western 25 feet of trench).

10. Sampled 10 feet from west end of trench, north wall:
    5ATB2-17, 4 feet bgs; no detectable hydrocarbons.

Trench G

East-west trending trench on the north, 48 feet long. Upper 1-2 feet has discontinuous black asphaltic patches. Gray discoloration and odor was observed below the asphaltic layer from 14 feet west of Tee to the eastern end of trench. Discoloration was noted down to a depth of 4-4.5 feet in the trench (above trench bottom).

11. Sampled 6 feet from west end of trench, north wall:
    5ATB2-18, 2 feet bgs; no detectable hydrocarbons.
    5ATB2-19, 4 feet bgs; no detectable hydrocarbons.
12. Sampled 3 feet east of Tee intersection, north wall:
    5ATB2-20, 4.5 feet bgs (Soil sample is tan and below a 4-foot deep layer of gray colored soil.) *No detectable hydrocarbons.*

Creek Area to the South of TB-2

During DPO's first visit, surface asphaltic layer was noted at numerous locations along dry drainage channel. This material was being excavated at the time of DPO's second visit. A 275-cubic-yard soil pile was created of soil and asphaltic material from creek bed location. Asphaltic material appears to be in very close proximity to some large trees. Recommend mechanical excavation no closer than the outermost tree branches to avoid damaging tree roots. If additional asphalt is to be removed, limit soil disturbance and remove asphalt by hand.
5ATB2-21, 5 feet bgs; hydrocarbons detected below soil screening levels.

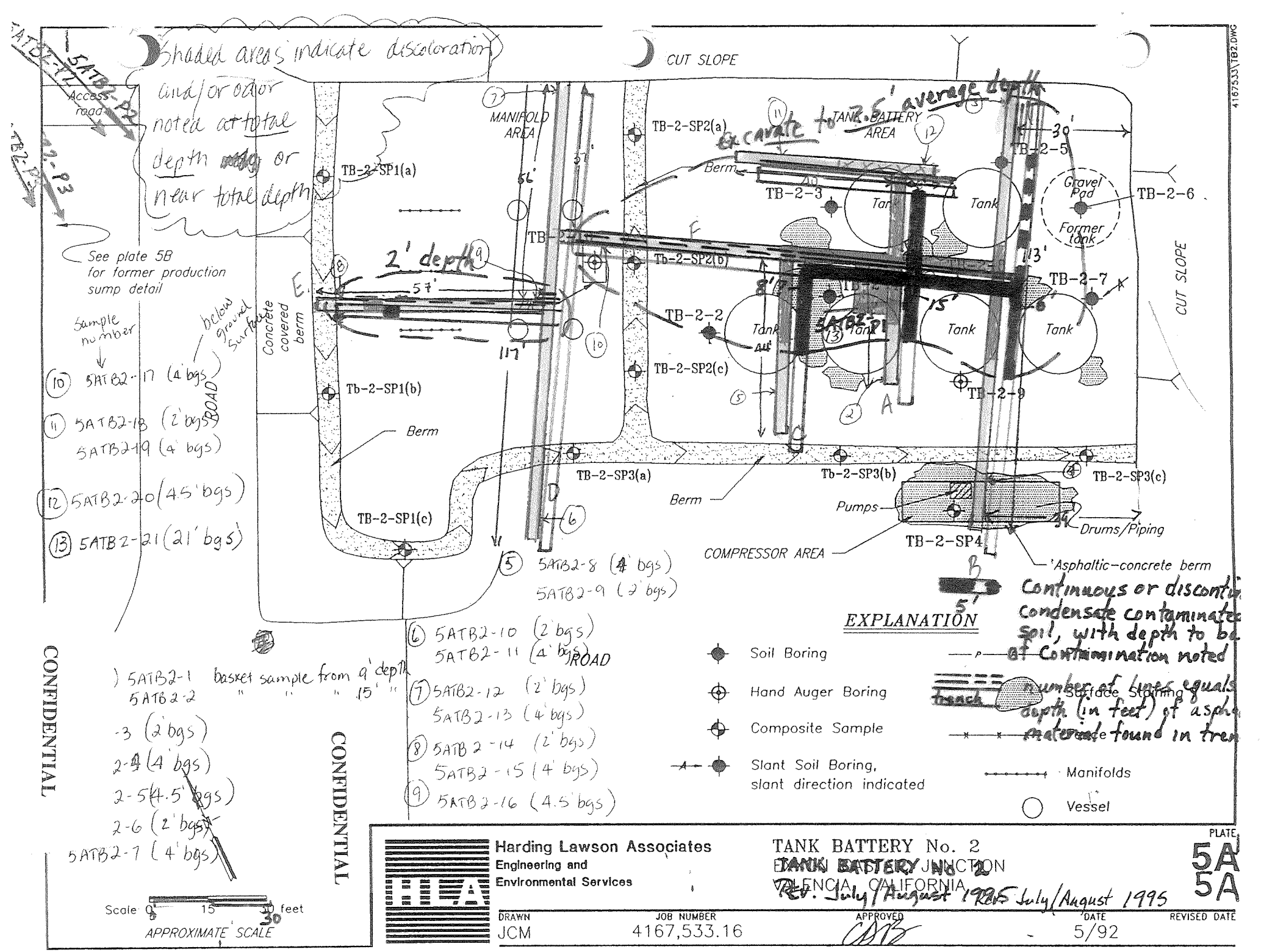
Recommendations:

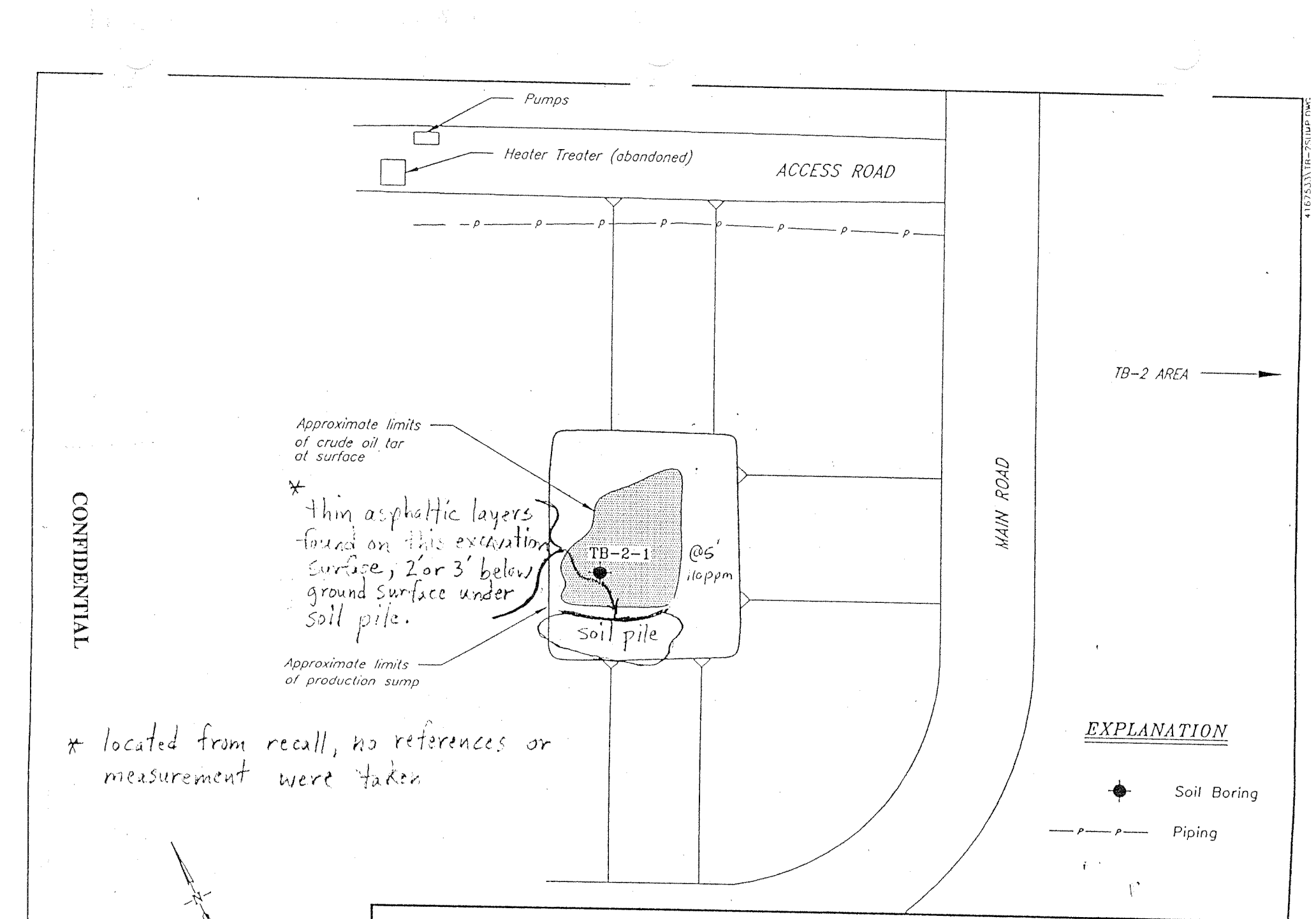
1. Scrape off area as indicated on attached map down to a depth of approximately 2.5 feet to get to base of shallow asphalt layer. Some areas may require deeper excavation, others may require less; the 2.5-foot depth is a rough average for the area.

2. Fill in hole created during excavation of production sump (Plate 5B) with clean soil piled up around excavation. If any significant additional volume of asphaltic material is found, haul it off for disposal.

3. Complete excavation of asphalt in creek bed south of the road and facility.

4. Soil was found to be impacted by hydrocarbons at a depth in excess of 33 feet in the vicinity of the intersection of Trenches A and F. Fill-in excavated hole was used for sampling. Recommend additional investigation as a part of a Phase II assessment to determine both horizontal and vertical extent of impacted soil.


Shaded areas indicate discoloration and/or odor noted at total depth or near total depth
CUT SLOPE
MANIFOLD AREA
TANK BATTERY AREA
Excavate to 2.6' average depth
TB-2-SP1(a)
TB-2-SP2(a)
TB-2-SP1(b)
TB-2-SP2(b)
TB-2-SP1(c)
TB-2-SP2(c)
TB-2-SP3(a)
TB-2-SP3(b)
TB-2-SP3(c)
TB-2-SP4
TB-2-1
TB-2-2
TB-2-3
TB-2-5
TB-2-6
TB-2-7
TB-2-9
Tank
Berm
Gravel Pad
Former tank
Pumps
Drums/Piping
COMPRESSOR AREA
Asphaltic-concrete berm
Concrete covered berm
2' depth
See plate 5B for former production sump detail
Access road
ROAD
Sample number
below ground surface
(10) 5ATB2-17 (4' bgs)
(11) 5ATB2-18 (2' bgs)
5ATB2-19 (4' bgs)
(12) 5ATB2-20 (45' bgs)
(13) 5ATB2-21 (21' bgs)
(5) 5ATB2-8 (4' bgs)
5ATB2-9 (2' bgs)
(6) 5ATB2-10 (2' bgs)
5ATB2-11 (4' bgs)
(7) 5ATB2-12 (2' bgs)
5ATB2-13 (4' bgs)
(8) 5ATB2-14 (2' bgs)
5ATB2-15 (4' bgs)
(9) 5ATB2-16 (4.5' bgs)
) 5ATB2-1 basket sample from 9' depth
5ATB2-2 " " " 15' "
-3 (2' bgs)
2-4 (4' bgs)
2-5 (4.5' bgs)
2-6 (2' bgs)
5ATB2-7 (4' bgs)
EXPLANATION
Soil Boring
Hand Auger Boring
Composite Sample
Slant Soil Boring, slant direction indicated
Surface Staining
Manifolds
Vessel
Continuous or discontinuous condensate contaminated soil, with depth to base of contamination noted
number of lines equals depth (in feet) of asphaltic concrete found in trench
CONFIDENTIAL
CONFIDENTIAL
Scale 0 15 30 feet
APPROXIMATE SCALE
Harding Lawson Associates
Engineering and Environmental Services
TANK BATTERY No. 2
TANK BATTERY JUNCTION
VALENCIA, CALIFORNIA
Rev. July/August 1995
July/August 1995
PLATE 5A
5A
DRAWN JCM
JOB NUMBER 4167,533.16
APPROVED
DATE 5/92
REVISED DATE
4167533\TB2.DWG



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4167533\TB-2SUMP.DWG

Tank Battery 2 - 7/95
Photo 5ATB2-P1

TANK BATTERY 3

The telephone pole on the side of the road and the fork in road were used as starting reference points in "surveying" the trenches. Phil Sanchez indicated he did not believe that HLA correctly located the tanks on Plate 6B relative to the reference points we used. The overlay can be shifted as needed over Plate 6B. The position of the trenches relative to one another is reasonably accurate.

Trench 1, Sump Area

Dark brown to black discoloration and odor observed in both trenches. At the Tee of the two trenches, discoloration was present at bottom to about 7 feet in depth. No discoloration in the northern 2-foot section of the 43-foot-long trench. Approximate area affected may be 30 feet by 50 feet.

Sampled 20 feet from south end of trench, east wall:
6BTB3-4, 3 feet 4 inches bgs; exceeds soil screening levels for 40 to 150-foot level.

Walked along creek north of Trench 1 (shown in blue on overlay) and observed asphaltic substance along bank walls:

Trench 2

50-foot-long trench, 19 feet north of power line pole. No discoloration on trench walls observed.

Sampled 12 feet from west end of trench, south wall:
6BTB3-10, 2.5 feet bgs; hydrocarbons detected below soil screening levels.
6BTB3-11, 4.5 feet bgs; no detectable hydrocarbons.

Trench 3

55-foot-long trench, 12 feet south of power line pole. Trench does not appear to have any discoloration. *No samples* taken from this trench.

Trench 4

158-foot-long trench, 65 feet south of Trench 3. Discontinuous asphaltic material observed in upper 1 foot. See plat for limits of asphalt.

Sampled 81 feet from east end of trench, north wall:
6BTB3-7, 2 feet bgs; no detectable hydrocarbons.
6BTB3-8, 4 feet bgs; no detectable hydrocarbons.

Trench 5
Short 36-foot-long trench, eastern end is 12 feet south of Trench 4. *No samples.*

Trench 6
94-foot-long trench, 46 feet south of Trench 4. Eastern end of trench opens up to a low, flat, recently excavated area. Dark patchy discoloration starts ~5 feet from west end in the upper 1 foot and noticeable to the east end. There is a section of continuous discoloration ~19 feet from the west end of the trench which is about 6 feet wide in the upper 3 feet 4 inches. Some tarry drips were also observed on the north wall. *No samples.*

Trench 7
105-foot-long 5-foot-wide trench, 46 feet south of Trench 6. Eastern end of trench opens up to a low, flat, recently excavated area. Discontinuous, patchy black discoloration visible in upper 1-2 feet.

Sampled 80 feet from west end (2 feet east of tar ooze drip) north wall:
6BTB3-1, 2 feet bgs; hydrocarbons detected below soil screening levels.
6BTB3-1A, 2 feet bgs; no detectable hydrocarbons.
6BTB3-2, 4 feet bgs; no detectable hydrocarbons.
6BTB3-2A, 4 feet gbs; no detectable hydrocarbons.

Sampled 29 feet from west end, north wall:
6BTB3-5, 2 feet bgs; no detectable hydrocarbons.
6BTB3-6, 4 feet bgs; no detectable hydrocarbons.

Trench 8
103-foot-long trench, 46 feet south of Trench 7. Eastern end of trench opens up to a low, flat, recently excavated area. Discoloration, black drips are visible on the north wall in the area of Tee with north-south trending trench. Short north-south trending trench is 35 feet long and Tees with Trench 8, 34 feet from its west end. Six feet from the south end, oily soil was observed at the surface. At the midpoint of this short trench, oil discoloration is down to 2-3 feet (pipe depth).

Sampled 10 feet from north end west wall:
6BTB3-3, 4 feet bgs; no detectable hydrocarbons.

Trench 9
Former heater treater/glycol unit area. 27-foot-long trench is 16 feet from the middle of the road. No discoloration or odor was observed. No samples obtained in this trench. 33-foot-long trench is ~200 feet south of south end of Trench 8 (Tee). Excavated black asphaltic-looking soil. Soil appears to be dark at bottom.

Sampled 11 feet from north end, west wall:
6BTB3-12, 2 feet bgs; hydrocarbons detected below soil screening levels.
6BTB3-13, 4 feet bgs; hydrocarbons detected below soil screening levels.

Trench 10
75 feet long, 30 feet wide, on west side of road across from TB-3. No discoloration or evidence of any contamination was found.

Trench 11
15 feet long, 14 feet wide, 14 feet south of Trench 10. A one-foot thick lens of asphaltic material found at the southwest edge of trench at 4 to 5 feet bgs. Areal extent not known, volume not determined.

Sampled 40 feet west of Trench 8:
6BTB3-14, 4-foot bucket sample; hydrocarbons detected below soil screening levels.

Area South of TB3-Creek Area (Plate 6B#2)
Sample 6BTB3015, 13-foot bucket sample; exceeds soil screening levels for 40 to 150-foot level.

Mud Pit near Well 17
Sampled from backhoe bucket:

6BTB3-9:	*EC - 20 mmhos/cm*	*SAR - 13*
	pH - 7.3	*% moisture - 37*

Recommendations:

1. Excavate the three areas outlined on the overlay down to base of asphaltic material. Much of the area needs to be excavated to 1-1.5 feet. Several areas need to be dug to 3-4 feet. Trench 1 is contaminated to 7 feet deep near the Tee intersection. The average depth of excavation noted on the overlay (of 7 feet) assumes the contamination goes only minimally deeper than what is exposed in the trench; the areal extent assumes most of the contamination has been found. It is not anticipated that the oil in this sump will be easily biodegraded; therefore, it may be advisable to fully excavate this sump rather than simply removing the top two feet.

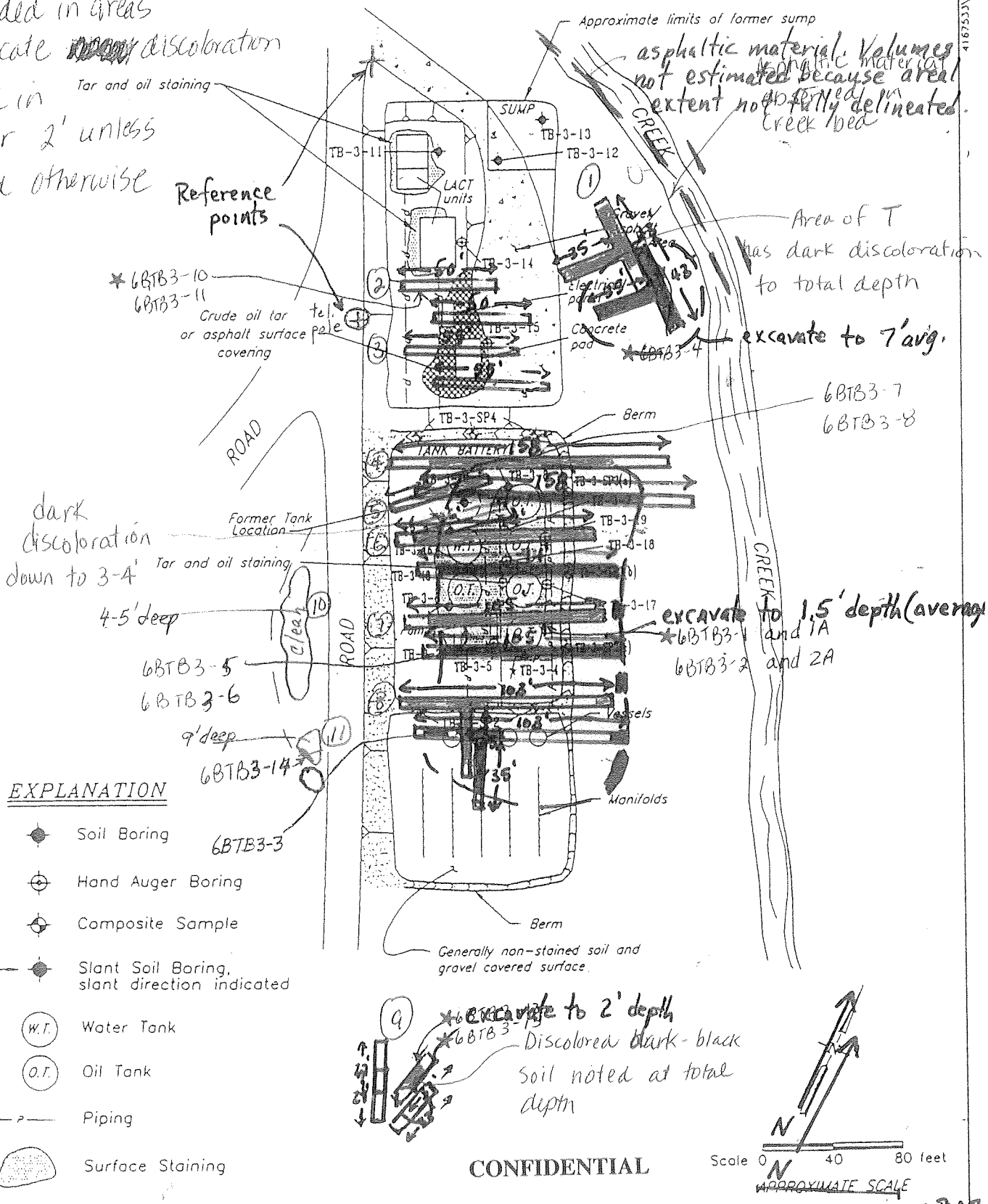
2. Excavate asphaltic material found in Trench 11.

3. After removal of gross soil impact at the surface and subsurface of Tank Battery 3, rip to 30-36 inches, disk, fertilize, seed, and water.

4. TB-3 south "in the creek" area south of road culvert. Due to hydrocarbon levels in excess of soiling screening levels, and given the depth of impacted soil, this area is reserved for additional investigation.

5. Manifold area was not trenched during this survey nor investigated during the HLA investigation. Therefore it is recommended that this potentially large "higher risk" area be inspected to determine what lays below the graveled surface.

Shaded in areas indicate ~~discoloration~~ discoloration noted in upper 2' unless noted otherwise



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TANK BATTERY NO. 3 DETAIL
TANK BATTERY NO. 3 JUNCTION
VALENCIA, CALIFORNIA
Rev. July/August 1995 Rev. July/August 1996

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
JCM	4167,533.16		5/92	

★ sample contains analy

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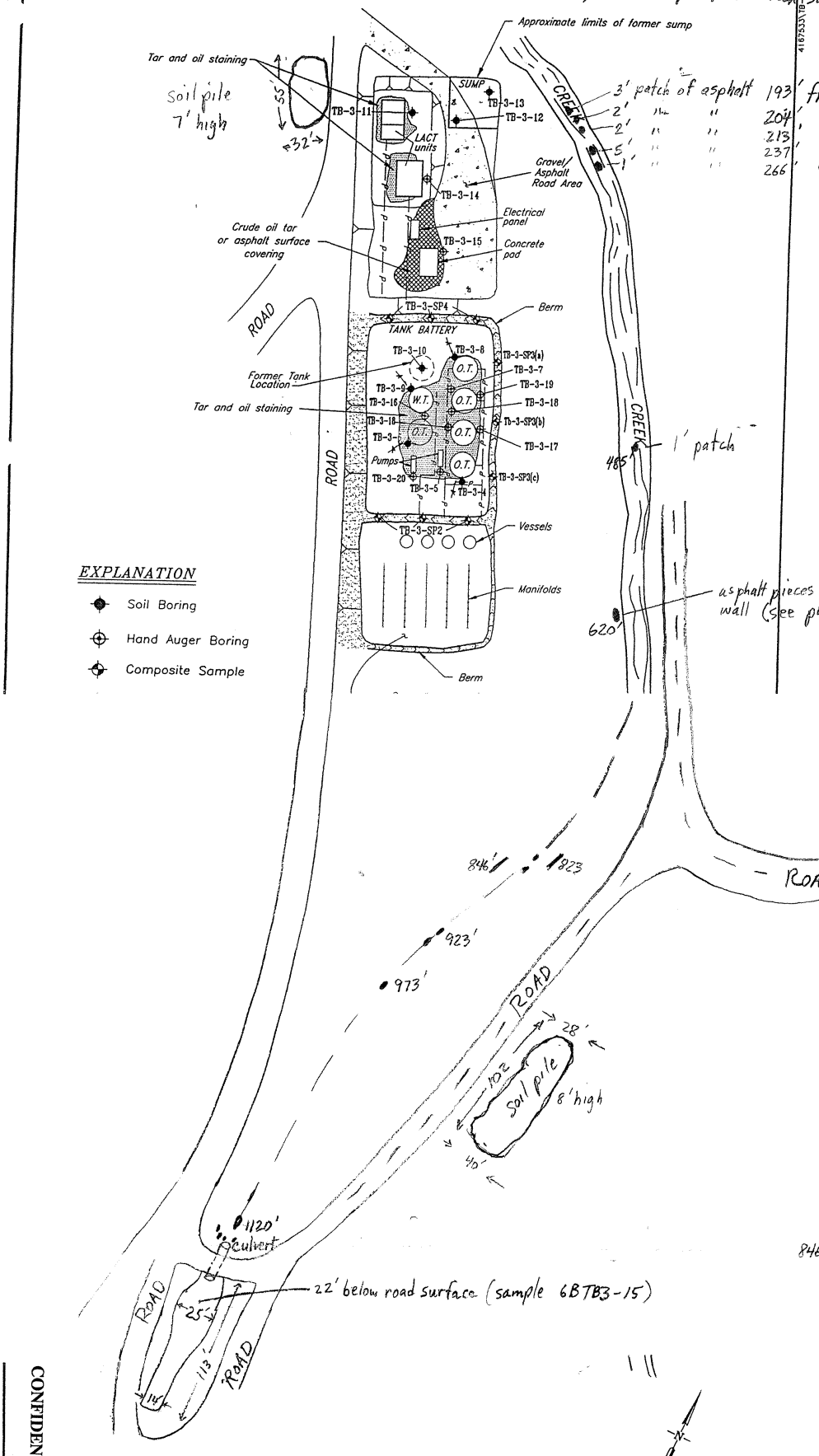
culvert north 3-3, reference point for creek survey



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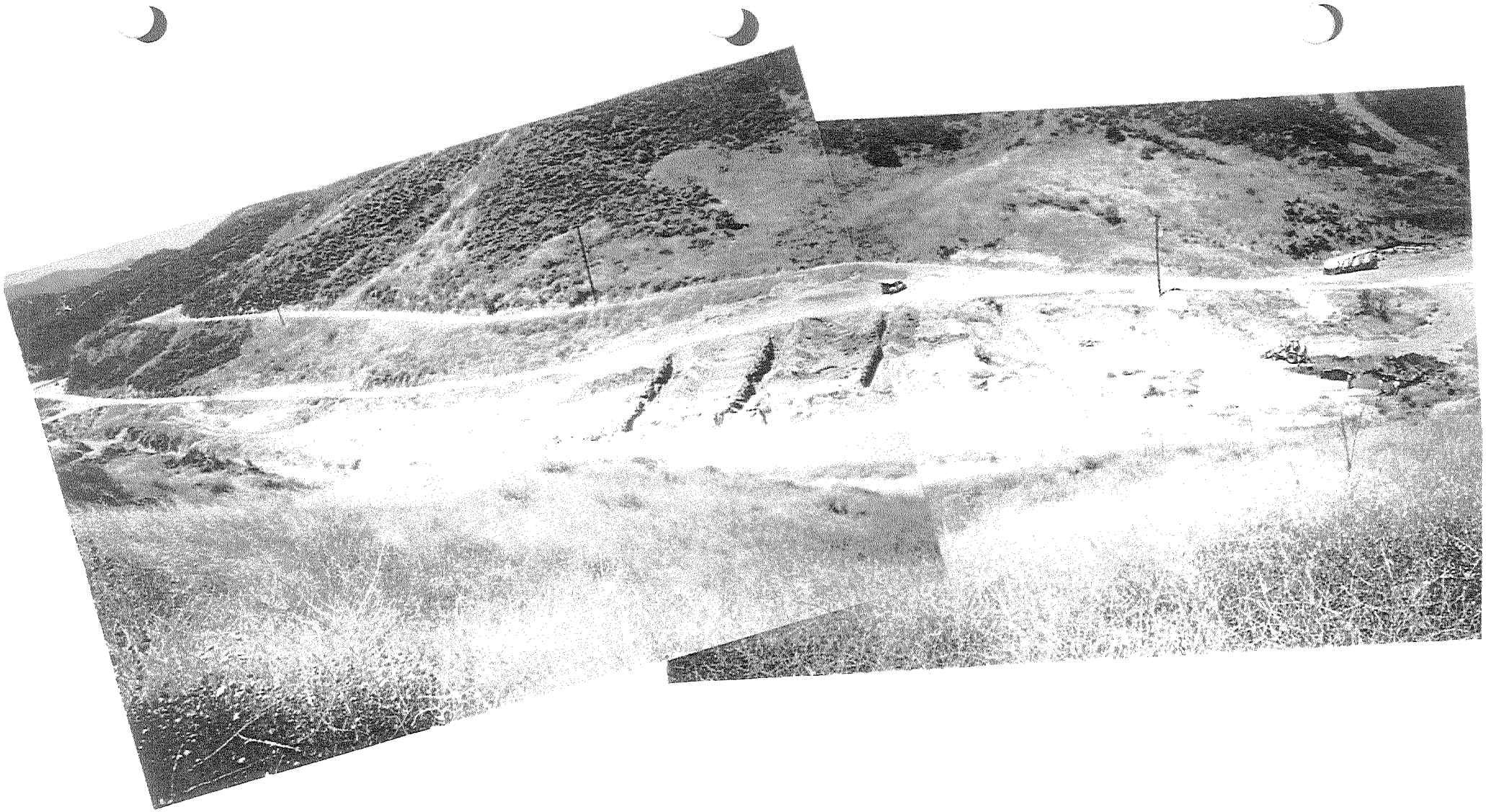
Engineering and Environmental Services

TANK BATTERY No. 3 DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE 6B#2

Rev. July/August 1995

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
JCM	4167 533.16		5/92	



Tank Battery 3
Photos 6BTB3-P1 & P2

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Dan Lobs/August 1995

TANK BATTERY 4

No references were used in locating the trenches and areas noted on Plate 7.

Trench 1 (Biovent)

Biovent site (large sump location) was excavated, contaminated soil segregated, and partially backfilled. During first visit, collected one sample (7TB4-1) from 6 feet below surface area in vicinity of the biovent area. Results exceeded soil screening levels for <40 feet to ground water. On second visit, resampled within 5 feet of same area, at same depth, but collected a composite sample with the results being no detectable hydrocarbon (7TB4-7). A third sample was collected from a depth of 10.5 feet at same location (7TB4-6). Again, no detectable hydrocarbon was found at the depth of 10.5 feet bgs. Area visually appears clean. Hydrocarbon odor not detected. Dames & Moore report indicates groundwater at 41 feet bgs.

Trench 2

Approximate location of 17-foot-long trench, west of culvert. Some surface asphalt, clean below that.

Sampled ~6 feet from east end, north wall:
7TB4-2, 2 feet bgs and 0.5 feet east of and 1 foot below a surface asphalt patch 6 inches thick; no detectable hydrocarbons.
7TB4-3, 4 ft bgs; no detectable hydrocarbons.

Trench 3

Approximate location of 58-foot-long trench, minor surface asphalt spots, no discoloration below. Coarse river bed sediments.

Sampled 24 feet from north end, east wall:
7TB4-4, 2 feet bgs; no detectable hydrocarbons.
7TB4-5, 4 feet bgs; no detectable hydrocarbons.

Area 4

Former pump and equipment area (upper pad), per Dave Smith this area was clean after pipe and equipment pulled out.

Area 5

This area currently has a pile of oily dirt excavated from the biovent area. According to Dave Smith, after the tanks and pipelines were dug out, this area appeared clean.

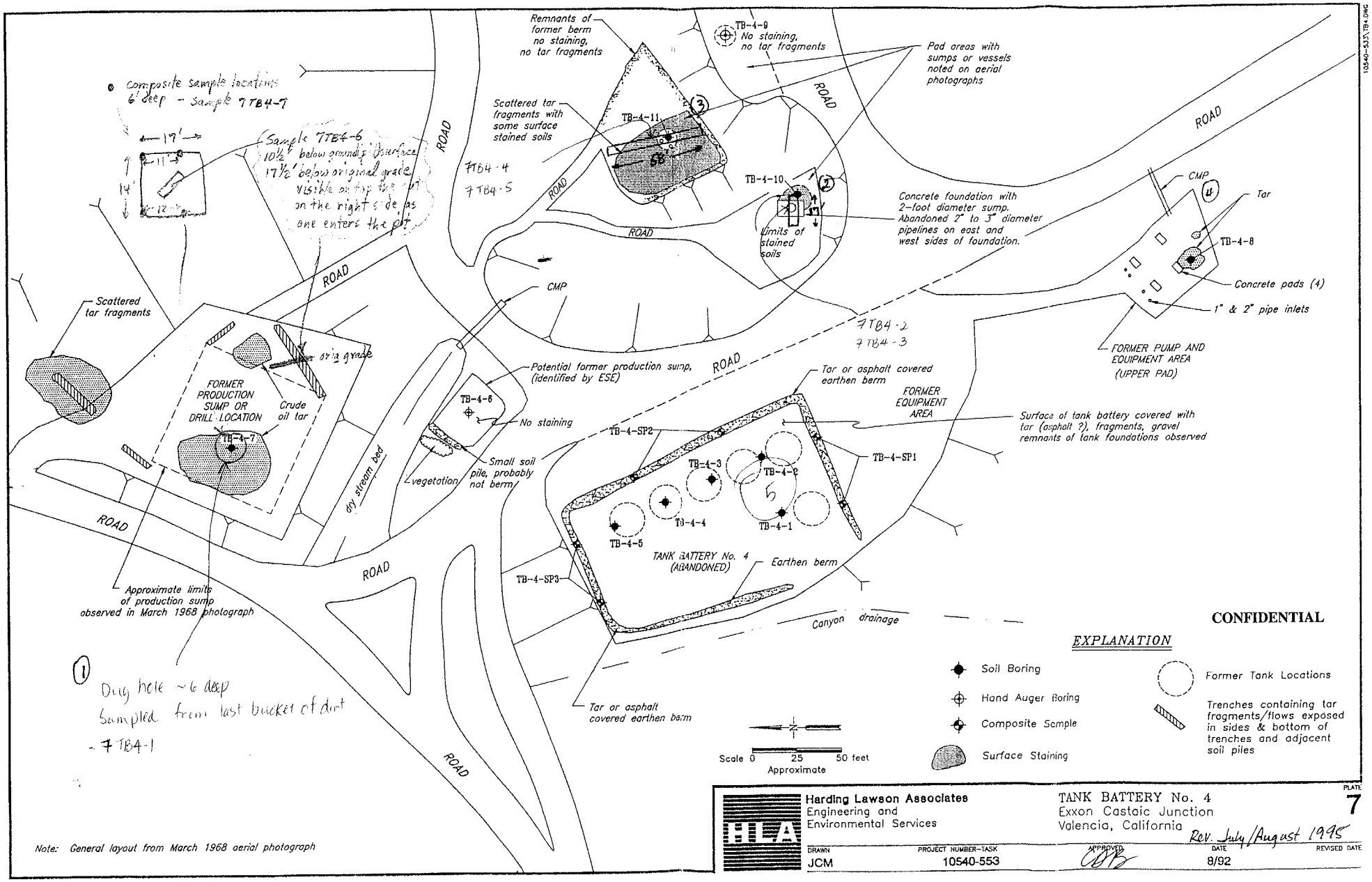
Recommendations:

1. Trench 1 (Biovent)--Visual observation appears to indicate that this site has been adequately cleaned. However, a review of the HLA report and on-site observations suggest that it may be advisable to investigate the area located approximately 50-75 feet west of TB4-7 (HLA report) and one area 50 feet north of TB4-7. HLA trenched these areas and found surface tar. If the recent excavation efforts did not include these areas, additional investigation should be conducted. It is recommended that a bulldozer should be used to level this artificially filled area. If oil-impacted soil is uncovered, remove and dispose of this material. If a hydrocarbon odor is detected during this operation, samples should be collected and analyzed. Notify DPO.

2. Excavate minor amount of surface asphaltic material found in Trenches 2 and 3. No apparent contamination was found at the depth of the trenches. However, recommend deepening Trench 2 to a depth of 6 feet below grade. If no observable impacted soil discovered, backfill trench.

3. After removal of soil pile, visually confirm that no surface contamination exists in the former tank battery area (Area 5 on Plate 7), especially in the area where the soil piles were located.

4. Suggest excavating a small trench in the former pump (upper pad) area next to TB4-8 on HLA Plate 7. If soil impact is uncovered, collect samples one foot and 3 feet below the base of contamination.


Composite sample locations 6' deep - Sample 7TB4-7
19'
14'
11'
12'
Sample 7TB4-6 10½' below ground surface 17½' below original grade visible on top and on the right side as one enters the pit
ROAD
Remnants of former berm no staining, no tar fragments
TB-4-9 No staining, no tar fragments
Pad areas with sumps or vessels noted on aerial photographs
Scattered tar fragments with some surface stained soils
7TB4-4
7TB4-5
TB-4-11
TB-4-10
Limits of stained soils
Concrete foundation with 2-foot diameter sump. Abandoned 2" to 3" diameter pipelines on east and west sides of foundation.
CMP
Tar
TB-4-8
Concrete pads (4)
1" & 2" pipe inlets
FORMER PUMP AND EQUIPMENT AREA (UPPER PAD)
Scattered tar fragments
orig grade
FORMER PRODUCTION SUMP OR DRILL LOCATION
Crude oil tar
TB-4-7
Potential former production sump, (identified by ESE)
TB-4-6
No staining
Small soil pile, probably not berm
vegetation
dry stream bed
7TB4-2
7TB4-3
Tar or asphalt covered earthen berm
FORMER EQUIPMENT AREA
Surface of tank battery covered with tar (asphalt ?), fragments, gravel remnants of tank foundations observed
TB-4-SP2
TB-4-SP1
TB-4-3
TB-4-2
TB-4-4
TB-4-1
TB-4-5
TANK BATTERY No. 4 (ABANDONED)
Earthen berm
TB-4-SP3
Approximate limits of production sump observed in March 1968 photograph
Canyon drainage
Tar or asphalt covered earthen berm
Dug hole ~6 deep
Sampled from last bucket of dirt
- 7TB4-1
CONFIDENTIAL
EXPLANATION
Soil Boring
Hand Auger Boring
Composite Sample
Surface Staining
Former Tank Locations
Trenches containing tar fragments/flows exposed in sides & bottom of trenches and adjacent soil piles
Scale 0 25 50 feet
Approximate
Note: General layout from March 1968 aerial photograph
Harding Lawson Associates
Engineering and Environmental Services
TANK BATTERY No. 4
Exxon Castaic Junction
Valencia, California
Rev. July/August 1995
PLATE 7
DRAWN JCM
PROJECT NUMBER-TASK 10540-553
APPROVED
DATE 8/92
REVISED DATE
10540-553\TB4.DWG

TANK BATTERY 5

The northern fence line and the middle of the road were used as the starting reference points for measuring of trenches.

Trench 1

67 feet south of northern fence line and 37 feet from the middle of the road, 86-foot-long trench. 31-42 feet from west end of trench there were two black-stained patches in the upper 2 feet.

Sampled 11 feet from west end of trench, south wall:
8TB5-7, 2 feet bgs; no detectable hydrocarbons.
8TB5-8, 4 feet bgs; hydrocarbons detected below soil screening levels.

Trench 2

28 feet south of Trench 1, 57 feet long. An 8-foot wide and 5- to 6-foot deep area of discoloration observed starting from 38 feet from east end of trench. This staining appears to go down to bottom; an odor in the soil was also noted.

Sampled 12 feet from west end of trench (4 feet west of the above staining), north wall:
8TB5-9, 4 feet bgs; no detectable hydrocarbons.
8TB5-10, 2 feet bgs; no detectable hydrocarbons.

Sampled 15 feet, from east end of trench, north wall:
8TB5-2, 2.5 feet bgs; no detectable hydrocarbons.

Trench 3

North-south arm of Tee is 6 feet south of Trench 2, 34 feet long. Discoloration was observed in the upper 2-4 feet starting from 6 feet from north end to where it Tees with the east-west arm. East wall appeared to have heavier staining. Odor of hydrocarbon was also noticeable.

Sampled 13 feet from south end (Tee), west wall, coarse gravel sediments:
8TB5-1, 6 feet bgs; no detectable hydrocarbons.

East-west arm, 65-foot-long trench, 88 feet south of Trench 1 on the west end and 47 feet south of Trench 2 on the east end. A ~6-foot-wide area of visible discoloration in the middle of the trench where it Tees with north-south arm. At this intersection, the south wall had caved in. Continuous discoloration in the upper 2 feet and discontinuous lenses of black staining from 2-4 feet bgs in this ~6-foot-wide area. There may be some staining at the bottom in the middle of the patch.

Sampled below stainage:
8TB5-4, 4.5 feet bgs. pebbly and gravely sample; no detectable hydrocarbons.

Sampled 9 feet from east end of trench, south wall, fine to medium sand:
8TB5-5, 5.5 feet bgs; no detectable hydrocarbons.
8TB5-6, 3.5 feet bgs; no detectable hydrocarbons.

Trench(es) 4

Small trenches, NW corner of east-west arm is 4 feet south of Trench 3. Discoloration in both trenches in upper 2-3 feet in both trenches. No discoloration on the end 2 feet of the trenches. West wall on the north-south arm was more discolored than the opposite wall.

Sampled 5 feet from east end, north wall, ~1 foot below a 1.5-foot-thick lense of dark stained soil 2 feet wide:
8TB5-3, 4 feet bgs; no detectable hydrocarbons.

Trench 5

115 feet south of Trench 3, 22 feet east of the middle of the road, 62-foot-long trench. 12-foot-wide area in the middle of the trench has discontinuous black patches in the upper 2 feet

Sampled 30 feet from west end of the trench, north wall (below discoloration):
8TB5-13, 2 feet 2 inches bgs, 1 foot below discoloration; no detectable hydrocarbons.
8TB5-14, 4 feet 2 inches bgs, 3 feet below discoloration; no detectable hydrocarbons.

Trench 6

57 feet south of Trench 5, 13 feet from the middle of the road, 58-foot-long trench. No visible signs of discoloration on trench walls. Trench ~8 feet deep, very coarse grain (pebbles) river bed sediments. *No samples collected.*

Trench 7

14 feet east of Trench 3. 105- to 110-foot-long trench. 20 feet from north end a 3-foot-wide surface asphalt lense <1 foot thick.

Sampled 43 feet from south end, west wall:
8TB5-11, 2 feet bgs; no detectable hydrocarbons.
8TB5-12, 4 feet bgs; no detectable hydrocarbons.

Recommendations:

1. Excavate and remove areas of surface contamination noted on Plate 8 down to clean soil or a maximum depth of 3 feet. Rip, disk, fertilize, seed, and water to promote revegetation.

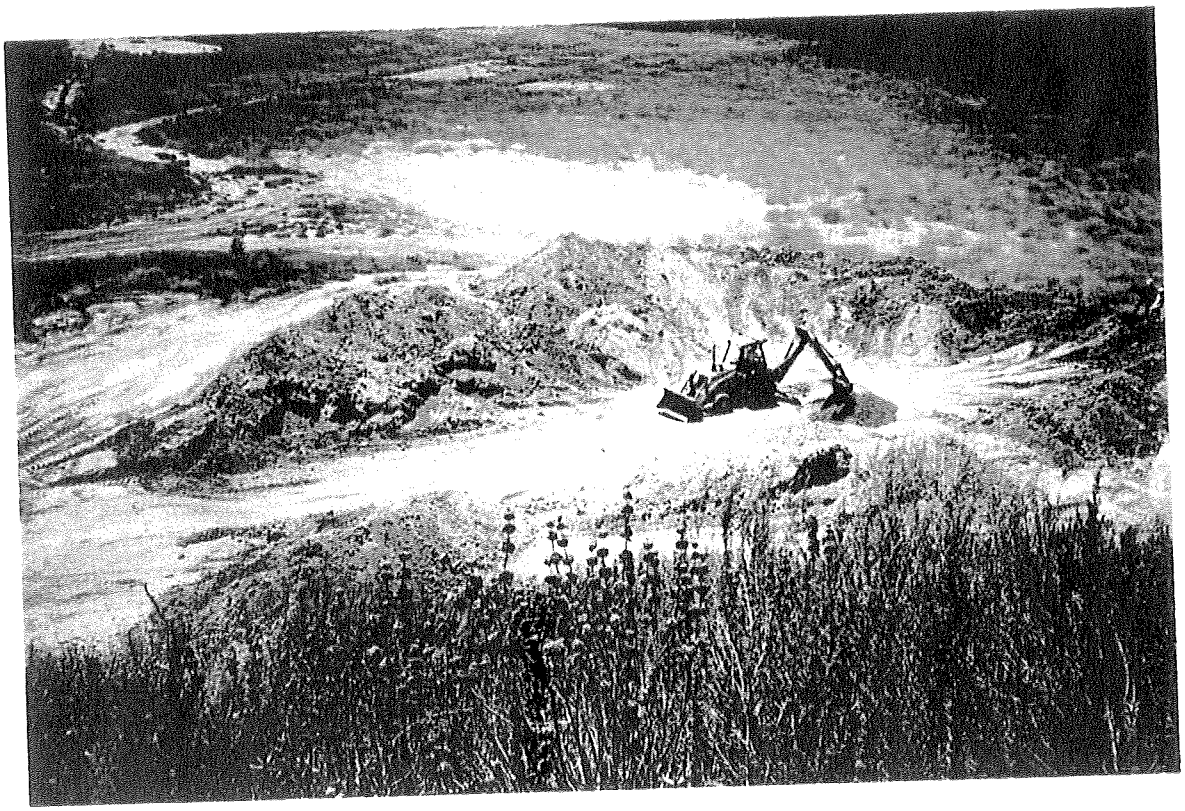
2. The area between Trench 3 and Trench 5 was not trenched and, based on the other trenching in the area, it is likely contaminated to some degree. The area should be investigated via trenching or ripping; especially the area shown in blue on overlay. This area is contiguous with the contamination found in Trench 4 and near contamination found in Trench 3b, but could not be sampled because it was covered with soil taken from Trench 3. The HLA report indicated elevated levels of TPH at a depth of 5 feet which might indicate a shallow subsurface impacted layer in the vicinity of TB5-7 and TB5-8. This area should be investigated as well as the large area to the north and east of manifold/header area. Volume of soil to be removed from the unsampled area between Trenches 2 and 5 was assumed to be equal to the volume outlined in blue on the overlay.

3. Estimate of depth of soil to excavate in Trench 2 assumes base of contaminated soil is not deeper than base of the trench. However, the base of contamination was not seen in the trench and the removal of the contaminant may require excavation beyond 6 feet of depth.

4. HLA Borehole TB5-1, north of Trench 1 and the former pumping unit, indicated the presence of oil-impacted soil at a depth of 5 feet. It is recommended that an additional trench be excavated approximately 20 feet north of Trench 1. If visually impacted soils uncovered, remove for disposal.

5. HLA report also indicated some oil-impacted soil at a depth of one foot along the north fence line from composite samples TB5-SP6 a, b, c. During removal of surface and shallow subsurface oil-impacted soils, this area should be investigated.

6. It was not understood whether the area of the heater treater unit was leveled prior to these surveys. HLA indicated impacted soil to a depth of 5 feet. While this area may have been cleaned at the surface, when a backhoe moves to this site a trench 6 feet deep should be excavated in the area of TB5-5. If no visually impacted soil uncovered, backfill trench. It is possible that this area has been excavated and that Plate 8 does not accurately depict the location of the heater treater relative to the shallow excavation (highlighted w/blue). If field knowledge indicates excavation was conducted at surface contamination as indicated on HLA report Plate 8, disregard this recommendation.



Tank Battery 4
Photo 7TB4-P1

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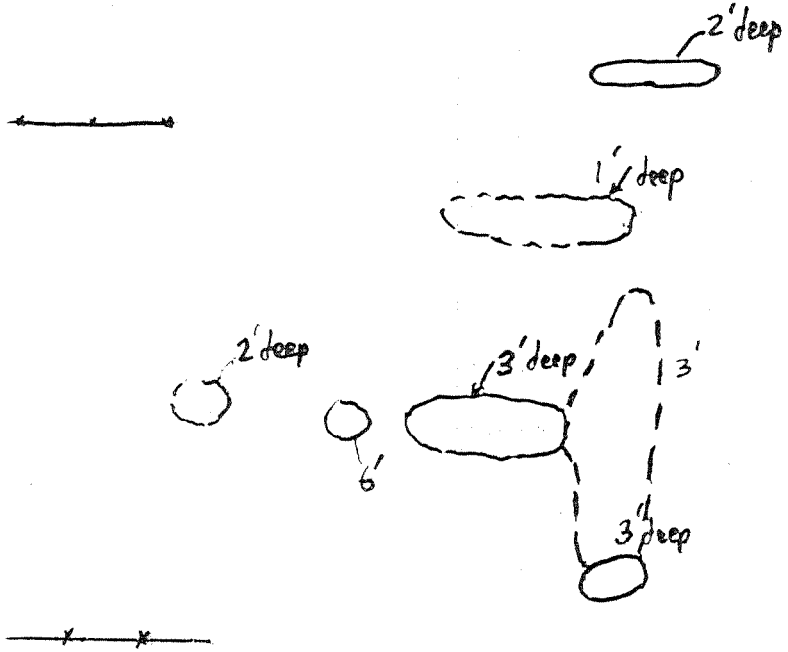

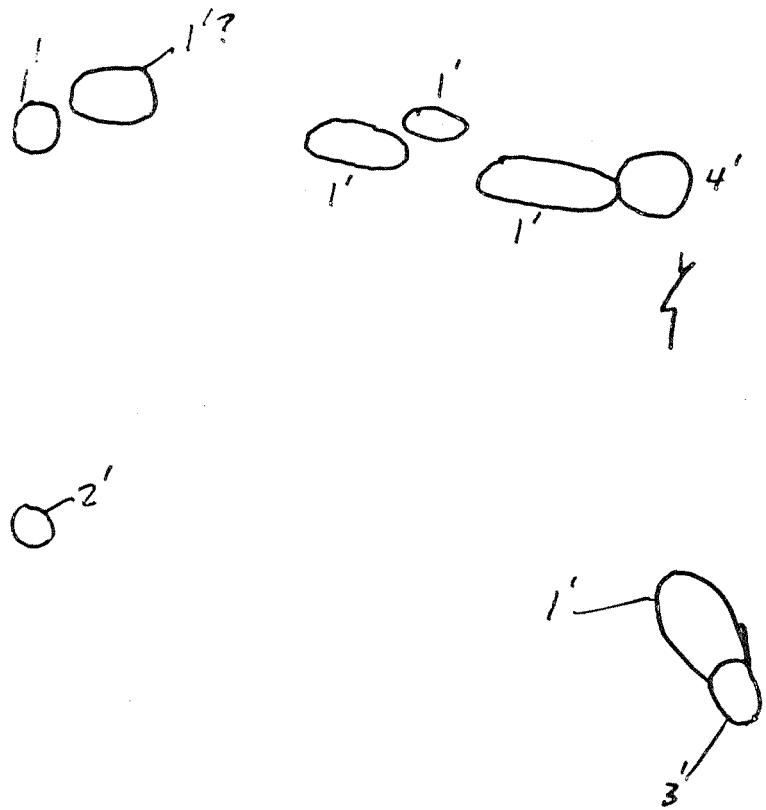

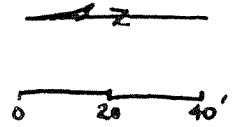

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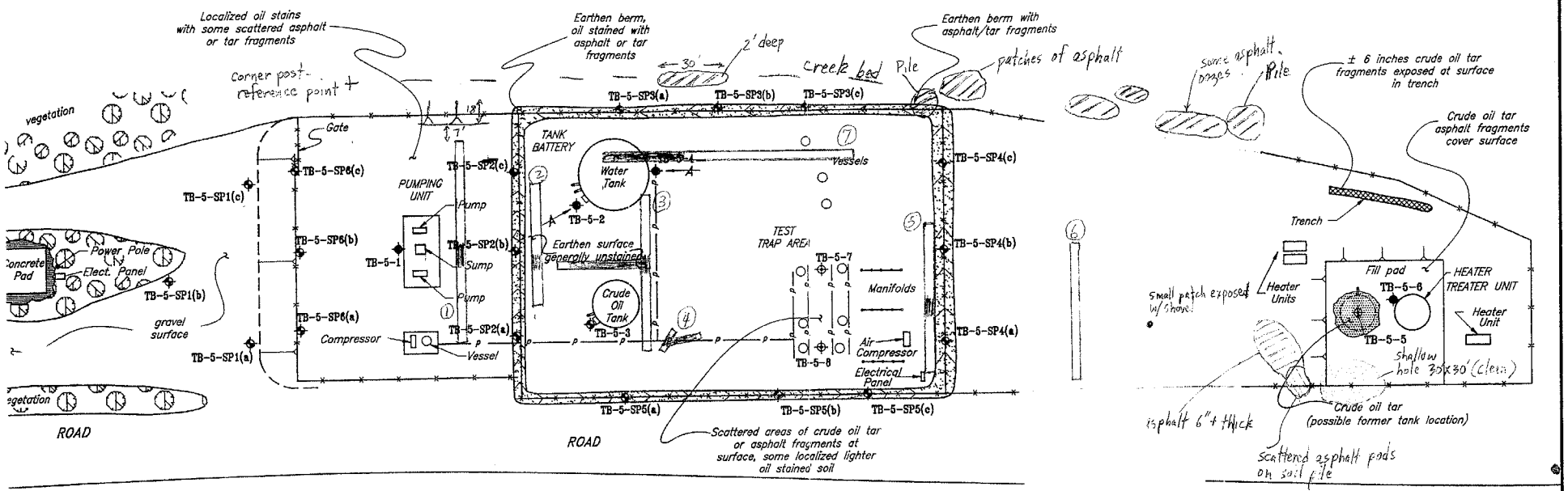
TANK BATTERY No. 5
Rev. July/August 1995



EXPLANATION

- Oil Boring
- Hand Auger Boring
- Air Boring
- Slant Soil Boring, slant direction indicated
- Piping
- Surface Staining
- Fence
- Vertical Vessels

Scale 0 20 40 feet
Approximate

Harding Lawson Associates
Engineering and Environmental Services

DRAWN JCM | JOB NUMBER 4167,553.1

TANK BATTERY No. 5
Exxon Castaic Junction
Valencia, California

PLATE 8

Rev. July/August 1995

6 | APPROVED | DATE 5/92 | REVISED DATE

4167553\TB5.DWG

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Tank Battery 5
Photo 8TB5-P1

TANK BATTERY 6/7 AND GAS PLANT AREA

Plate 9A provides an overview of the abandoned gas plant area, Tank Battery Area 6/7, and the flare stack area. The gas plant was dismantled prior to the initiation of this investigation. No attempt was made to survey the gas plant area other than in the instances where the field had excavated two trenches between DPO's first and second visit. One trench was southwest of the office at the edge of the slope in the vicinity of the glycol tank and heater units, and a second trench was immediately east of the compressor building in the vicinity of the aboveground diesel tank.

A third trench was located north-northeast of the office and gas plant area in the vicinity of the methanol tank and piping. Four additional shallow trenches were located at the northwest corner of the site in an area that was identified by HLA as "Former Sump-like Features."

Refer to Plate 9A

Diesel Tank Trench

Excavation work at this site consisted of two intersecting trenches, 46 feet in the north-south direction and 12 feet in the east-west direction. The trench was 4 feet deep.

Sample 9AGPA-4 at 2 feet deep: *exceeds soil screening levels for 40 to 150-foot interval.*
Sample 9EGPA-1 at 4 feet deep: *hydrocarbons detected below soil screening levels.*

Glycol Tank/Heater Unit Area

Excavation work in this area also consisted of two intersecting trenches, 75 feet on the north-south axis and 27 feet on the east-west axis, with the deepest point being about 15 feet bgs. The trench had been opened prior to DPO's arrival on the second visit and additional excavation was conducted at the intersection of the two trenches to expose fresh soil.

Sample 9EGPA-2, 7-foot bucket sample: *exceeds soil screening levels for 40 to 150-foot interval.*
Sample 9EGPA-3, 15 feet deep: *exceeds soil screening levels for 40 to 150-foot interval.*
Sample 9EGPA-4, 4 feet deep: *exceeds soil screening levels for 40 to 150-foot interval.*

Methanol Tank Area

Two intersecting trenches were dug prior to DPO's arrival. These trenches were 40 feet by 12 feet, 4 feet deep. Samples were not collected since the area appeared visually clean, no soil stains, and no hydrocarbon odor was noted.

Former Sump-Like Features

Four shallow trenches were dug in the west corner of this property site since the HLA report indicated "former sump-like features" in this area. The trenches were shallow, approximately 3 to 4 feet deep, and between 40 and 45 feet long. No samples were collected; no soil staining and no hydrocarbon odor was noted.

Refer to DPO Sketch Map TB6/7

Trench 1

30-foot-long trench has surface asphalt. No visible discoloration below surface asphalt; however, free oil collected in the trench after the sun warmed the surface and caused the oil to migrate to the trench.

Sampled 12 feet from end of trench, east wall:
TB6/7-3, 2 feet bgs; hydrocarbons detected below soil screening levels.
TB6/7-5, 4 feet bgs; hydrocarbons detected below soil screening levels.

Trench 2

21 feet south of Trench 1, 230-foot-long east-west trench; 90 feet from the west end of this trench a 55-foot-long north-south trench Tees with it. Both trenches had scattered surficial asphalt patches. At ~2 feet below the surface, the light to medium gray substrate was very hard, almost cement-like and soil samples could not be obtained.

Sampled 37 feet from the west end, north wall:
TB6/7-2, 2.5 feet bgs; no detectable hydrocarbons.

Sampled 55 feet from west end, south wall:
TB6/7-1, 4.5 feet bgs; no detectable hydrocarbons.

Sampled 14 feet from east end, south wall:
TB6/7-4, 4 feet bgs; no detectable hydrocarbons.

North-south arm--sampled 7 feet from south end, west wall:
TB6/7-6, 4 feet bgs; no detectable hydrocarbons.

Trench 3 (Flare Stack Area)
150 feet south of Trench 2, shallow trench approximately 10 feet by 15 feet observed some surface asphalt. Red brown soil. Prior to second visit a crescent-shaped trench 40 feet long, 6.5 feet deep, had been excavated. One sample was collected from this long trench.

Sampled 9B-FS-2; 3 feet bgs; hydrocarbons detected below soil screening levels.

Trench 4
Approximately 40 feet west of the south-west corner of Trench 3, deep (>8 feet) 80-foot-long trench. Some surface asphalt on the north end of the trench. One area in the NW corner had black staining down to ~6 feet bgs. Red brown soil.

Sample 9B-FS-1, 6.5 feet bgs; hydrocarbons detected below soil screening levels.

Trench 5
Located 25 feet north of the east end of Trench 2, 4 feet deep.

Sample 9D-TB6/7-6, 3 feet bgs; hydrocarbons detected below soil screening levels.

Refer to DPO Gas Plant Area Production Sump Sketch
Production sump sketch provides an overview of the trenching and sampling performed east and downhill from the field office.

Trench 1
53-foot-long trench, 4 feet deep on south end. Trench was enlarged and deepened on north end to 15 feet. Soil was discolored with strong odor throughout.

Sampled at 15-foot depth from backhoe bucket: 9AGPA-1, *exceeds soil screening levels for 40 to 150-foot interval.*

Trench 2
11-foot-long trench, 9 feet deep; same soil conditions as Trench 1.

Sample 9AGPA-3, 9-foot depth from backhoe bucket: *exceeds soil screening levels for 40 to 150-foot interval.*

Trench 3
36-foot-long trench, 8 feet deep; same soil conditions as Trench 1.

Sample 9AGPA-2, 8-foot depth from backhoe bucket: *no detectable hydrocarbons.*

Recommendations:

1. Excavate top 1-2 feet of soil from Trenches 1, 2, and 3 as needed (see outlines). Contamination is discontinuous around Trenches 1 and 2, and not all soil in the area needs to be removed. Therefore, the area used in calculating volumetrics was arbitrarily reduced by 50 percent. If more accurate estimate is required, rip or trench the large area for better delineation of contaminated soil. (TB6/7 sketch.)

2. Remove surface and shallow subsurface tar mat in the flare stack area. (TB6/7 sketch.)

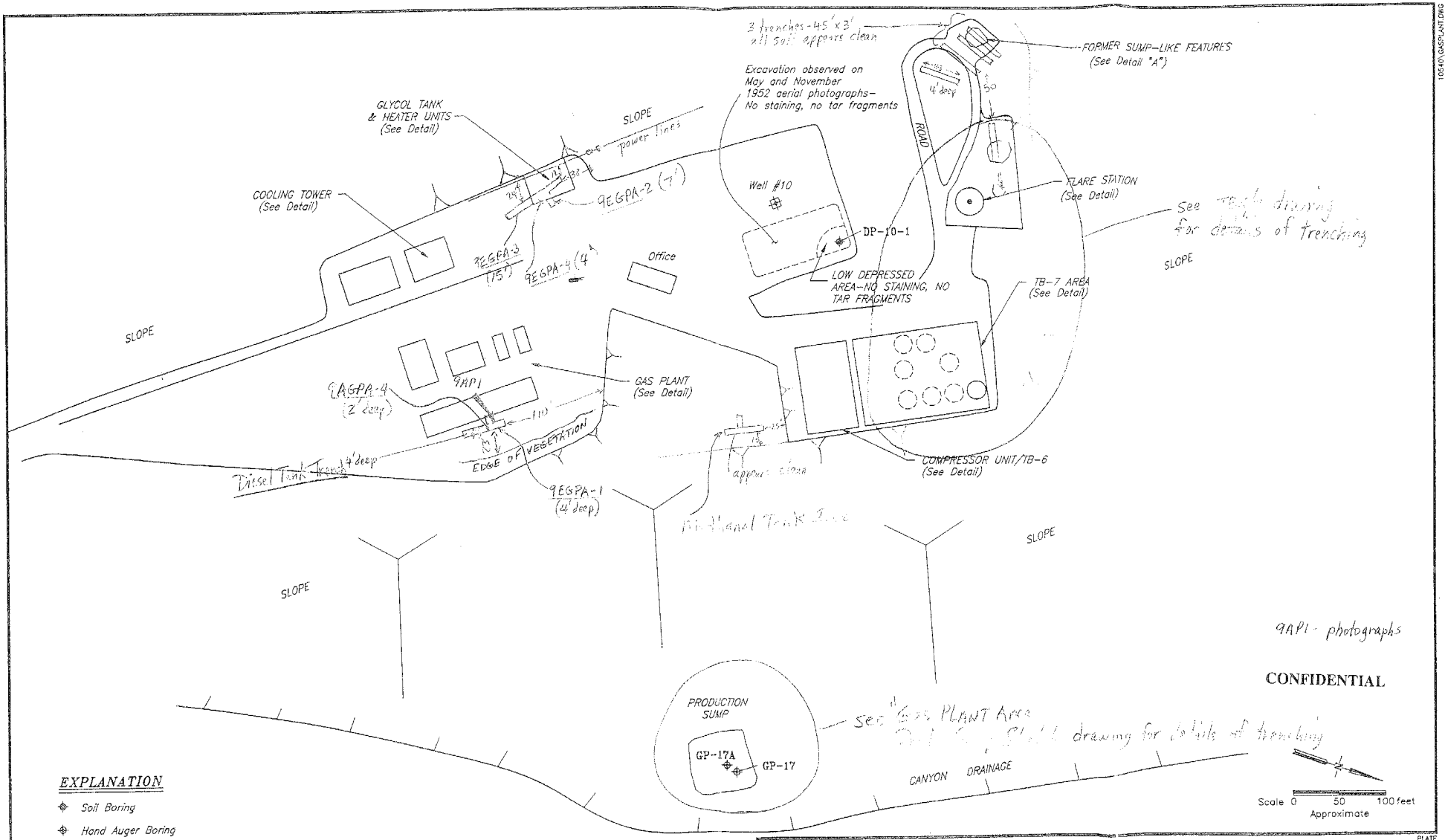
3. Backfill Trench 5, methanol tank trench (Plate 9A), and the "former sump-like features" (Plate 9A) in the northwest corner. Rip and disk area after removal of gravel around the methanol tank area.

4. After general housekeeping and removal of all surface tar/asphalt, rip and disk area, seed, fertilize, and water to promote vegetation and decrease soil erosion.

5. Recommendations for Trench 4 (TB6/7 sketch) and the Glycol Trench (Plate 9A) will be addressed during Phase II due to present soil conditions and findings in the HLA report.

6. Diesel Tank area should be excavated in the area of elevated hydrocarbon readings until visually clean. Then rip and disk, fertilize, seed, and water.

7. The area between the office and the flare stack area was not investigated. If it contains asphaltic or tar material, remove for disposal.



NOTE: General layout per March 1968 Aerial Photograph shown with modifications from April and July 1992 field mapping by HLA

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GAS PLANT AREA - GENERAL LAYOUT
Exxon Castaic Junction
Valencia, California
Rev. July/August 1995

PLATE 9A

DRAWN	PROJECT NUMBER-TASK	APPROVED	DATE	REVISED DATE
JCM	10540-553	CAB	8/92	

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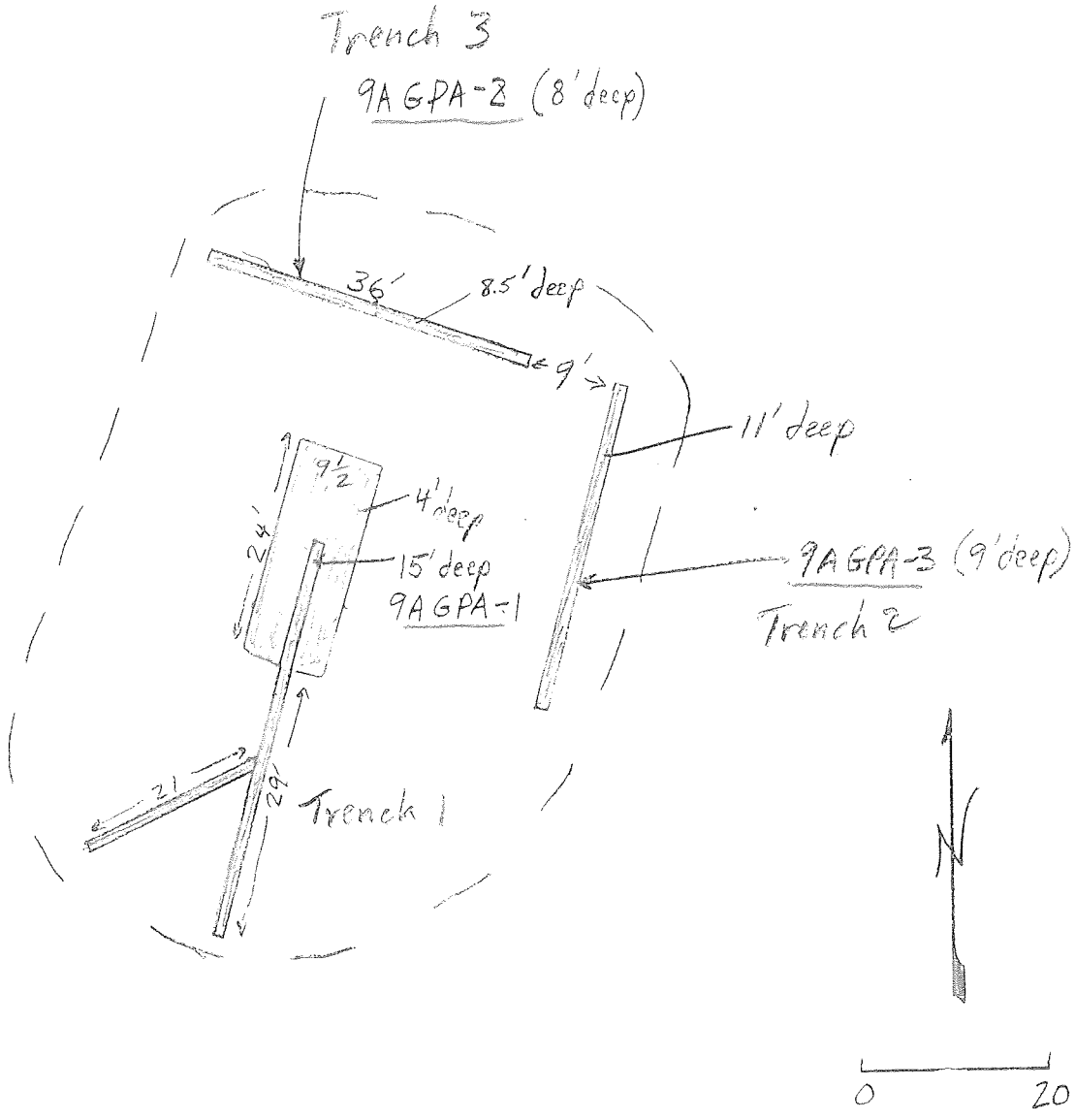
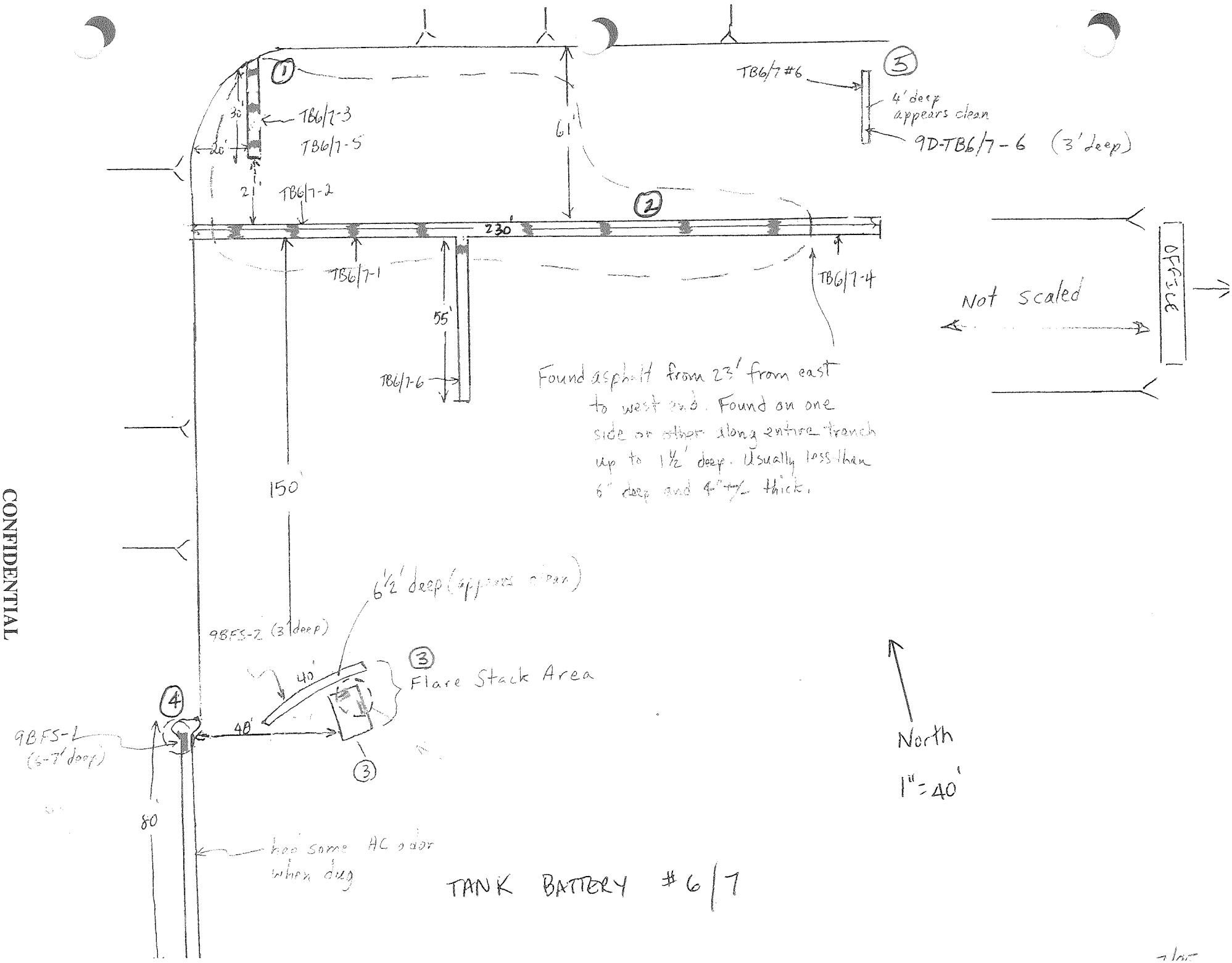
GAS PLANT AREA
PRODUCTION Sump Sketc





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Gas Plant Area
Production Sump

TANK BATTERY 8

The overhead transformers on the north end of this site was the starting reference point for measuring the trenches' locations.

Trench 1

44 feet west of overhead transformers, 152-foot-long trench. Two areas of medium gray discoloration observed.

The first area of discoloration was 38 feet from south end, up to 4 feet deep. The next day, 7/30/95, dozer excavated this former sump area and dug to about 7 feet deep. Dark gray discoloration was present in the soil down to ~7 feet bgs and had an odor similar to drilling mud, not hydrocarbon. (Phil Sanchez indicated that drilling mud would have been dumped in the sump in the past. Dave Smith indicated that the southern water tank was leaking when it was removed.)

Sampled soil from last bucket, ~7 feet bgs, 44 feet from south end of trench:
10TB8-5, 7 feet bgs; TPH 17,100 mg/kg, exceeds soil screening levels for 40 to 150 interval.

The second area of discoloration was not easily discernible; the approximate limits are 40 to 87 feet from the north end of the trench.

Trench 2

16 feet east of Trench 1 on the north end and 36 feet east of Trench 1 on the south end, Trench 2 is 116 feet long. An area of dark gray discoloration occurs from approximately 48 to 85 feet from the north end of the trench.

Sampled 44 feet from north end, east wall (outside of discolored area):
10TB8-3, 2 feet bgs; no detectable hydrocarbons.
10TB8-4, 4 feet bgs; no detectable hydrocarbons.

Sampled 53 feet from north end, east wall (within discolored area):
10TB8-1, 2.5 feet bgs; no detectable hydrocarbons.
10TB8-2, 5 feet bgs; no detectable hydrocarbons.

Sampled 71 feet from north end, west wall, sample is dark gray in color:
10TB8-6, 1.5 feet bgs; hydrocarbons detected below soil screening levels.

Trench 3

Small, 12-foot-long trench in the southeast corner of site, 19 feet from the fence line. Discoloration observed in upper 2-3 feet, no discoloration at either end of the trench. Asphalt layer below one to two feet of clean fill. This layer may extend under the road fill and cover a considerable area. (See map overlay.) *No samples collected.*

Trench 4

Shallow, 15-foot by 20-foot trench 50 feet east and 34 feet south of Trench 1. Observed minor surface asphalt in upper 1-2 feet. *No samples collected.*

Creek Area

Creek area north of site was excavated for the removal of asphaltic tar layer.

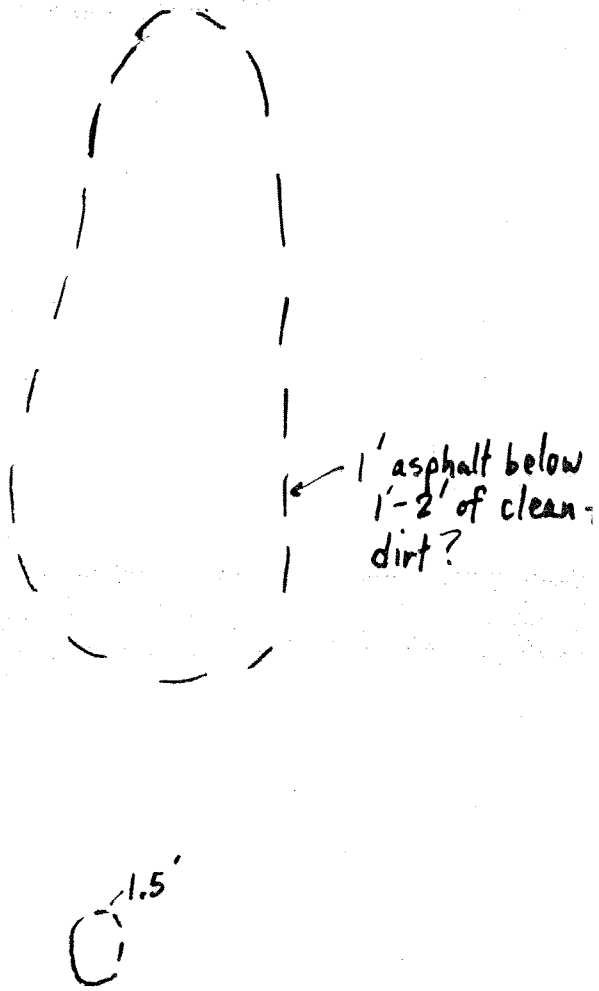
Recommendations:

1. Trench 1 was resampled because sample 10TB8-5 found hydrocarbons above soil screening levels for the greater than 150-foot level.

   The "resample," 10TB8-5A, found hydrocarbons above the soil screening levels for the less than 40-foot level. Recommend additional sampling to determine vertical and areal extent, and possibly soil boring to determine depth to groundwater.

2. Trench 3 contains 1-foot +/- layer approximately 18 inches below grade. This layer may have been part of the former TB area which was oiled, then fresh fill applied over area to build road. Recommend removing 18-inch overburden of this road (clean dirt) and then scraping and removing 3-inch oily layer.

3. Need to scrape surface area around Trench 4 to remove surface asphalt.



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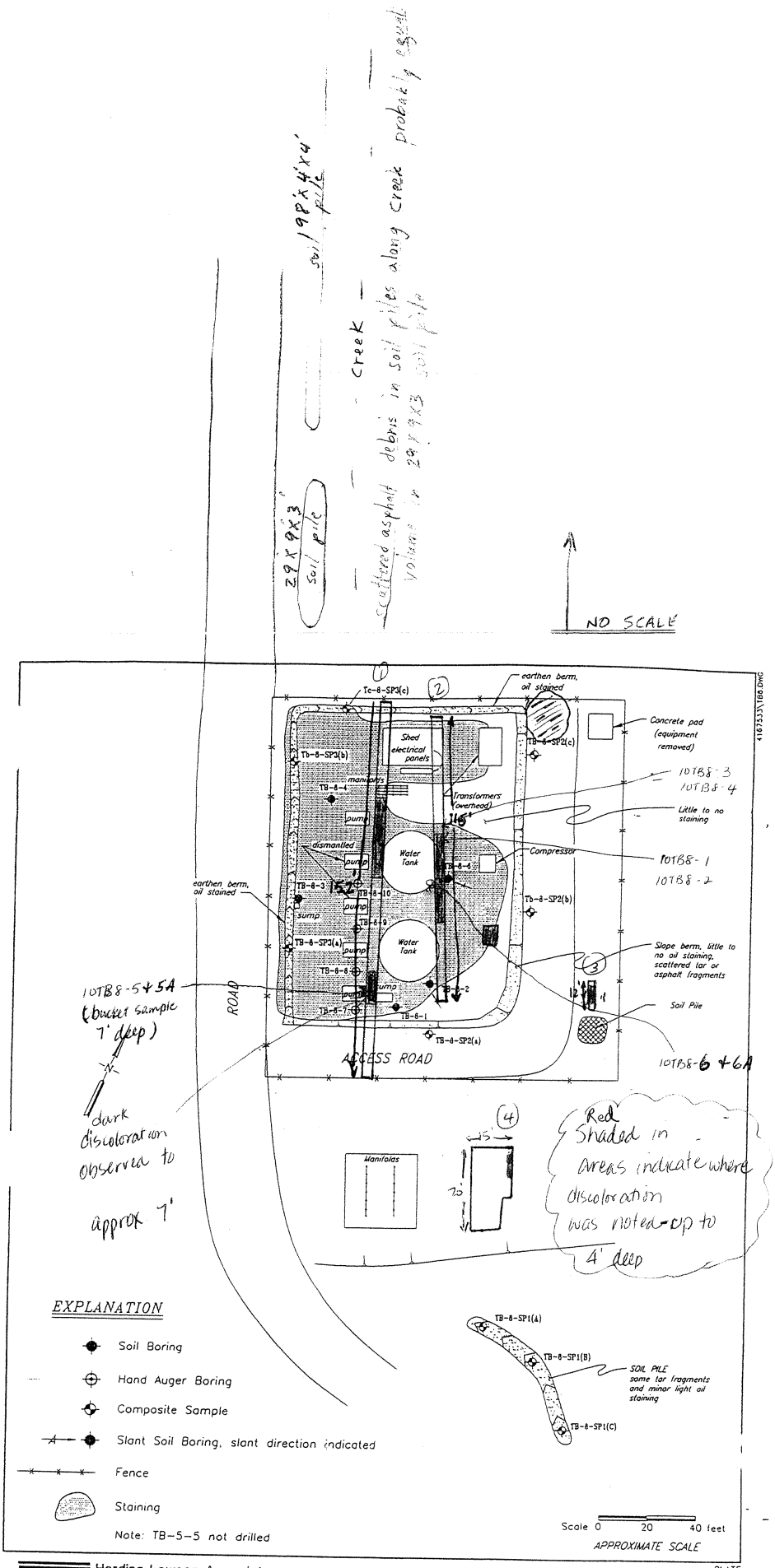

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TANK BATTERY No. 8
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE 10

Rev. July/August 1995

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
JCM	4167,533.16		5/92	

CONDENSATE TANK

Trench locations are approximate, drawn in relation to the B iovent and the fresh water tank. Some black patches were observed within 3 to 6 inches of the surface, extending to 2 1/2 feet deep, but with no odor detected.

Trench 1
21 feet long, 3 feet deep. Asphaltic layer found from surface near south end to 18 inches deep on north end.

Sampled west side of trench, below asphaltic layer:
3CT-1-2.5 foot bgs, hydrocarbons detected below soil screening levels.

Trench 2
32 feet long, 3.5 feet deep. Asphaltic layer found 6 inches to 12 inches bgs on east side of trench. No samples taken.

Trench 3
32 feet long, 4 feet deep. Asphaltic layer found 3 feet bgs on east side. No samples taken.

Trench 4
14 feet square, 5 feet deep. Found biovent in this trench and some asphalt on west wall and southeast corner. No samples taken.

Recommendations:
Area looked good.

- Scrape away good soil above asphaltic layer.
- Excavate/haul off small amount of asphaltic material from trenches. Volumes not determined.
- Rip, disk, water, and seed as necessary (see diagram).

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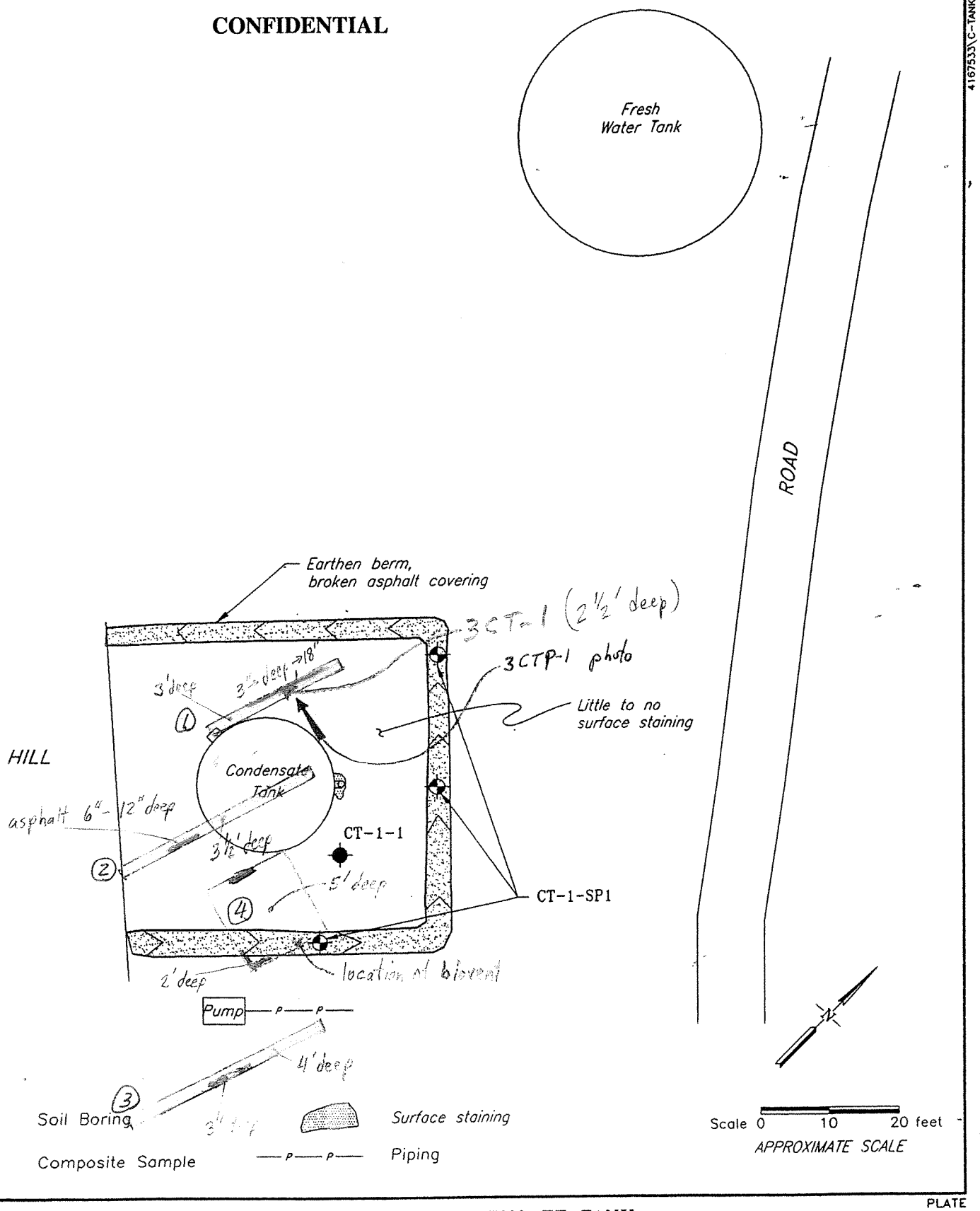

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CONDENSATE TANK
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA
Rev. July/August 1995

PLATE
3

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
JCM	4167,553.16		5/92	

Condensate Tank Area
Photo 3CT-P1 of Trench 1

ROUND HOUSE AREA

Description and documentation of trenching not completed yet. However, eight samples were taken and two areas were identified with hydrocarbons exceeding soil screening levels for the greater than 150-foot level.

Well 15 Area

A 37-foot diameter, 12-foot deep hole was excavated around the well down to soil that appeared clean.

Sample taken at 12-foot depth: *bucket sample 11B-RHT-5 exceeds soil screening levels for greater than 150-foot level.*

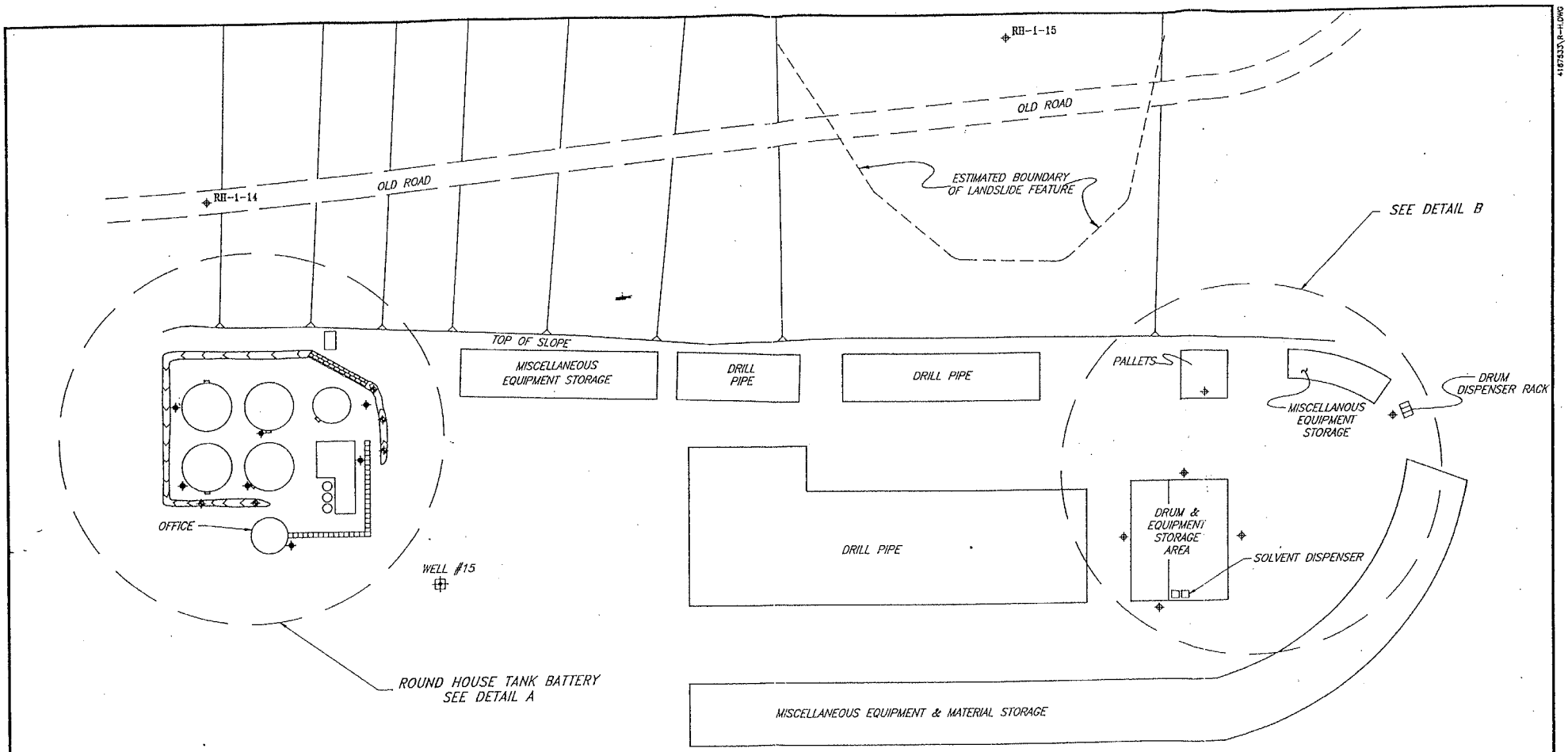
Equipment (Pallets) Storage Area (ESA)

17-foot-long trench dug to evaluate heavily stained soil identified in HLA's report (Plate 11C).

Sample taken on southeast side of trench:
11CESA#1 taken from 2.5 bgs; exceeds soil screening levels for greater than 150-foot level.

Recommendations

Additional sampling and analysis recommended on both Well 15 and Equipment Storage Area to delineate vertical and areal extent of contamination, and soil borings if necessary.



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ROUND HOUSE AREA-GENERAL LAYOUT
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE 11A

Rev. July/August 1995

DRAWN	PROJECT NUMBER-TASK	APPROVED	DATE	REVISED DATE
JCM	10540-553		8/92	

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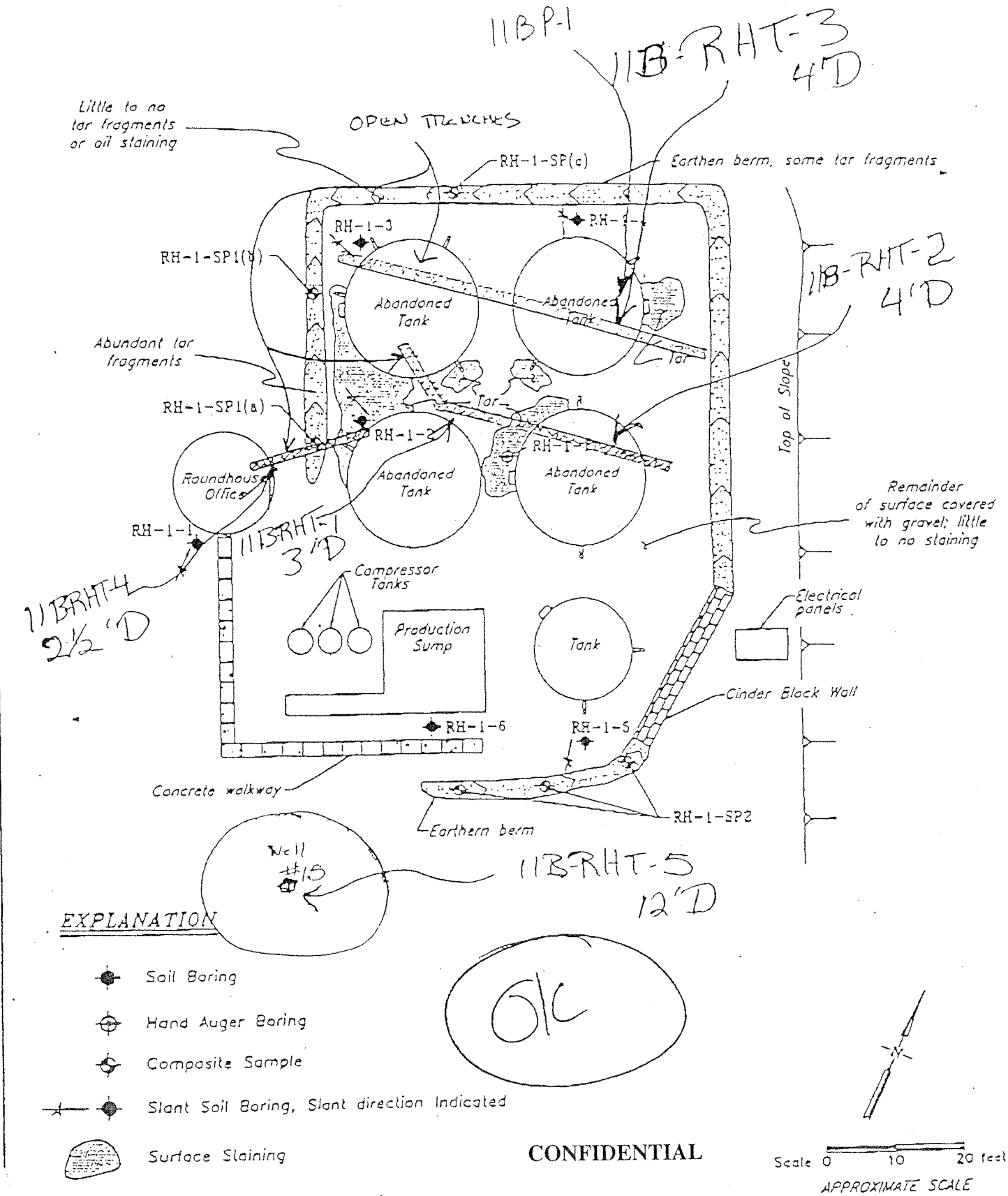
Round House Area
Photo 11B-RHT-P1



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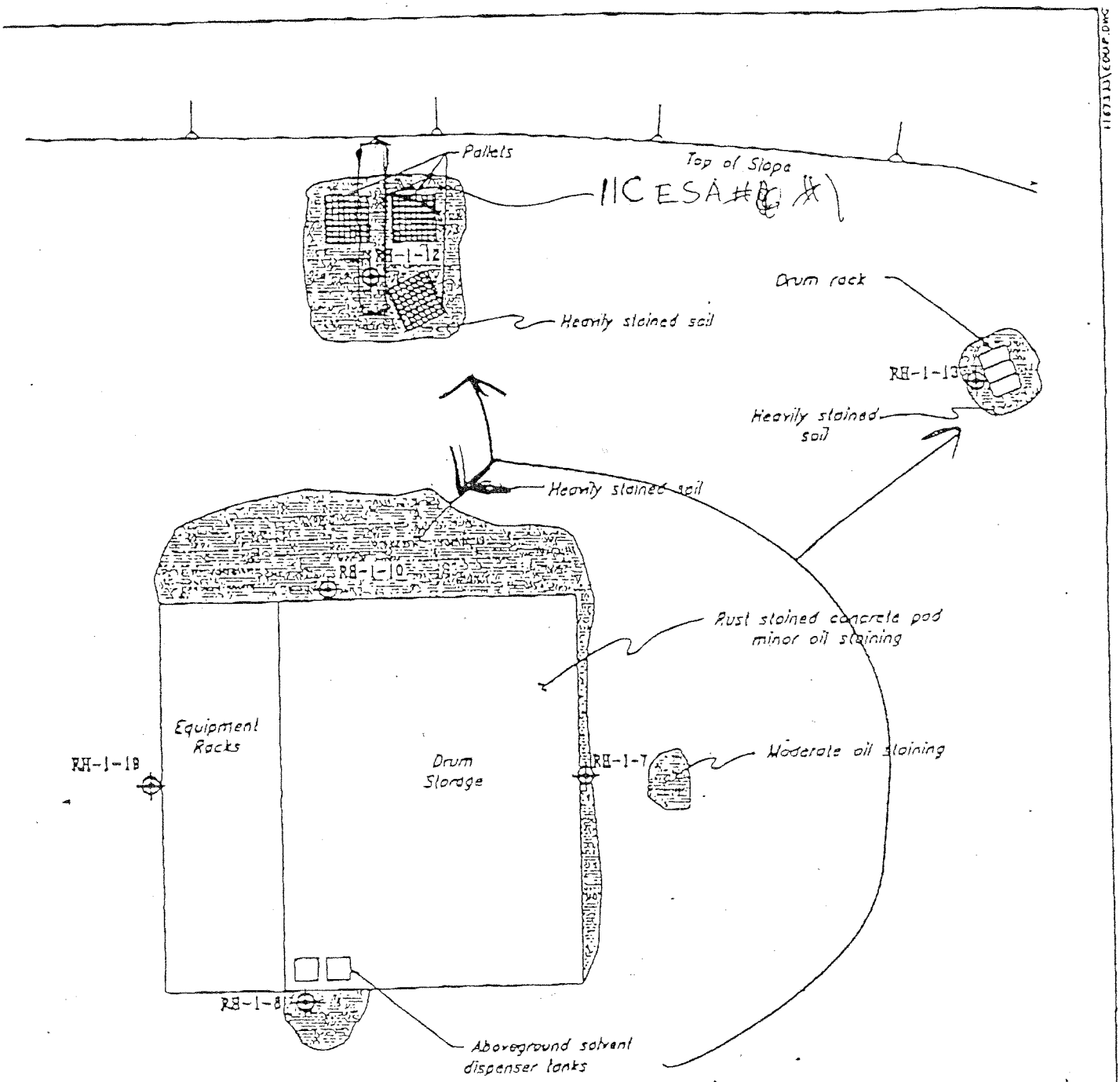
ROUNDHOUSE TANK BATTERY DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PL 11

Rev. July/August 1995

DRAWN JOB NUMBER APPROVED DATE REVISED



TRENCH / SIMPLE / CONTAMINATION ?

EXPLANATION

Hand Auger Boring

Surface Staining

NOTE: RH-1-9 mislabled as RH-1-19

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Scale 0 10 20 feet
Approximate

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EQUIPMENT STORAGE AREA DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE
11C

DRILL PAD 63

Documentation of trenching is shown on Plate 15. No detectable odor or discoloration was found in the soils and therefore no samples were taken. No further work is recommended.

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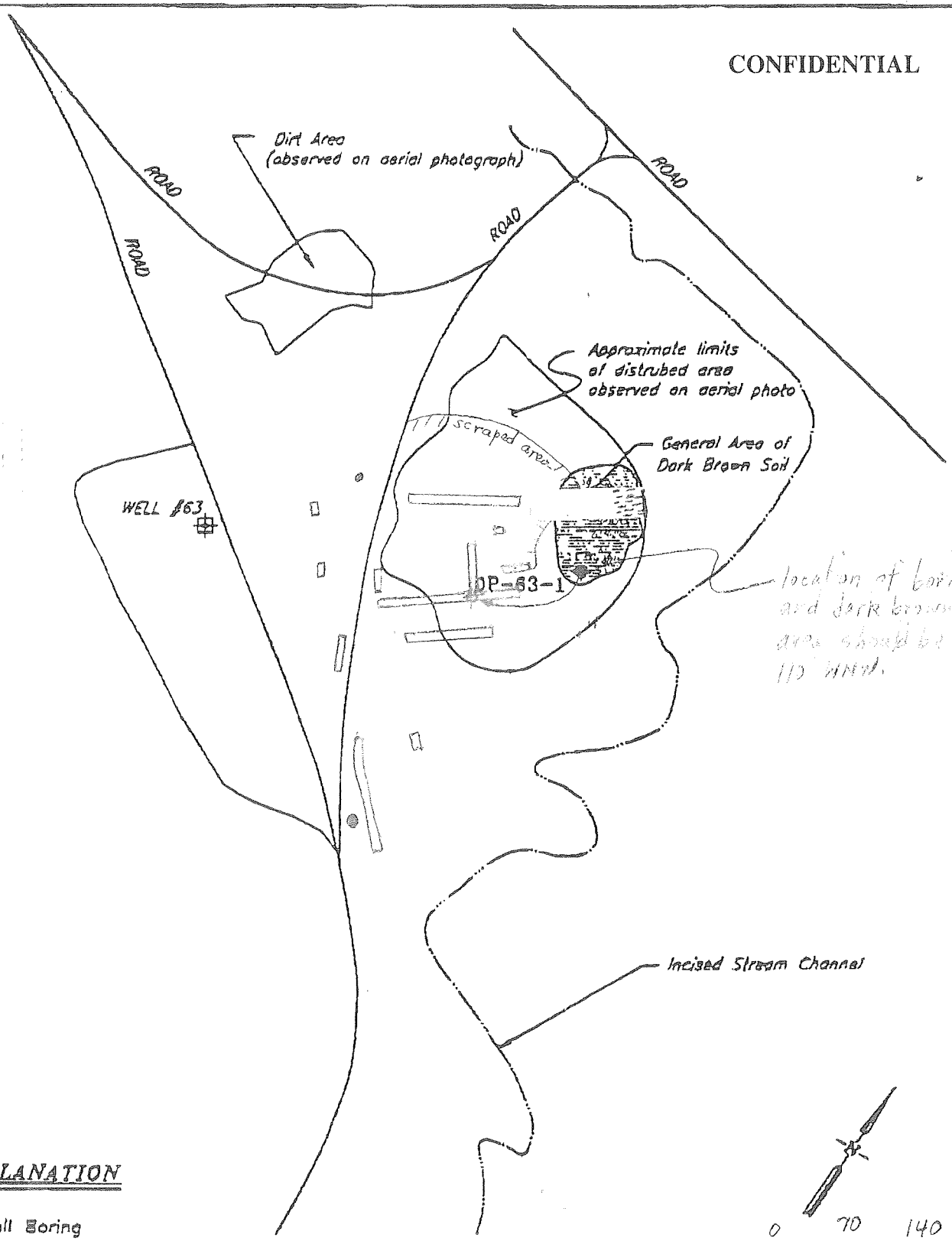

Mapping based on March 1968 aerial photograph and field inspecting by HLA

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DRILL PAD No. 63
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE 15

Rev. July/August 1995

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
JCM	4167.533.16		5/92	

08/02/95 11:46 FAX 805 762 7284 EXXON HILL →→→ CASTAIC LEASE 005

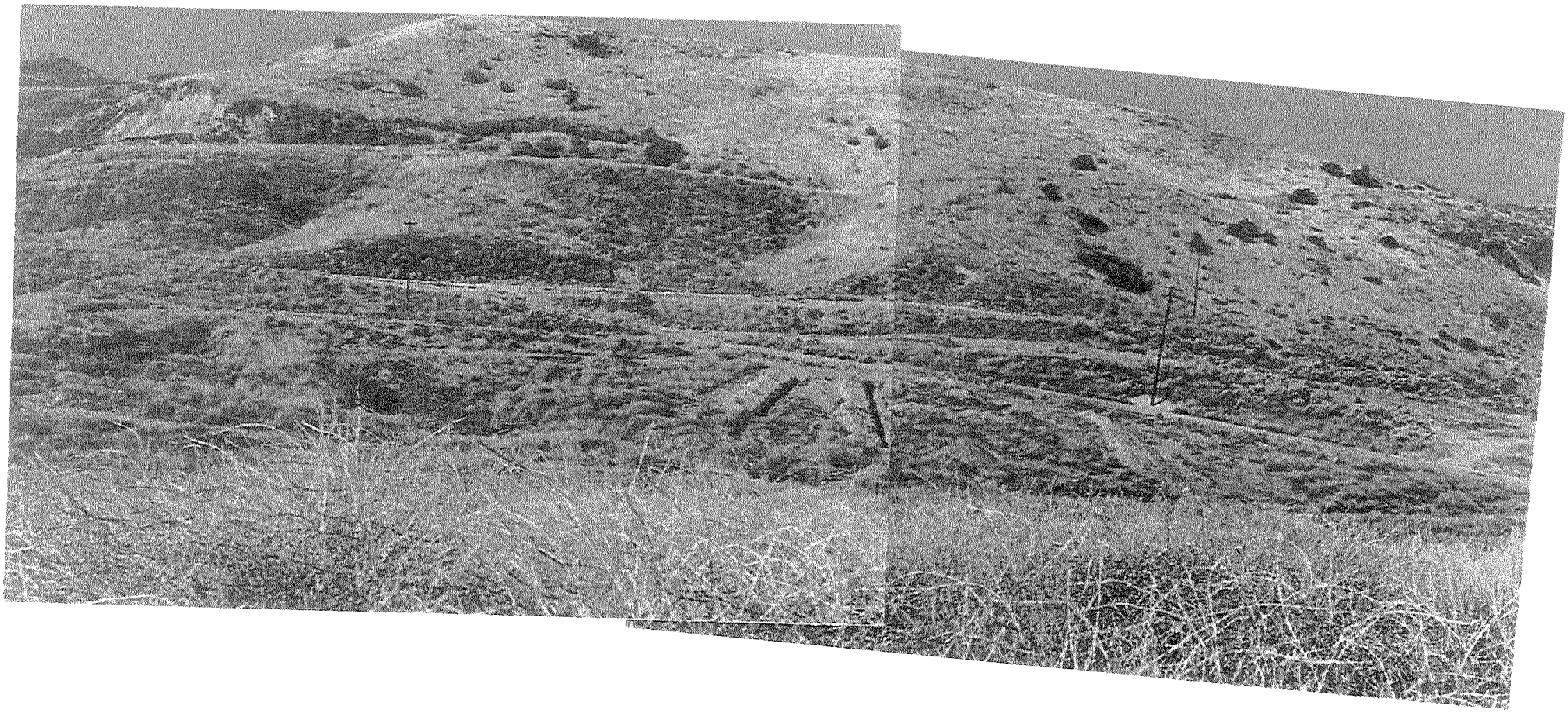
Drill Pad 63

Documentation of trenching is shown on plate 15

~~No evidence of contamination was found~~

No detectable odor or discoloration was found in the soils and therefore no samples were taken. No further work is recommended

CONFIDENTIAL



Drill Pad 63

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Castaic Junction Site Abandonment

Section 2

Phase I - Part 1
Soil Volume Estimates

CONFIDENTIAL

Date: August 25, 1995

To: Mr. Rick Storey
From: Jack A. Rickner Jack

Subject: Castaic Junction Soil Volume Estimates (Phase I)

Attached are the estimated soil volumes for the removal of surface and shallow subsurface impacted soils at the various tank battery sites, the gas plant area, and a few other locations. These may be used in the generation of an AFE; however, it should be noted that there were a number of areas within several sites that were not fully investigated. These areas are being noted in the final report which I hope will be ready late next week. Having said this, if these approximations will be used as base numbers for an AFE, a sizable dollar contingency should be added. No attempt was made to estimate the time, materials, and labor necessary to perform the excavations or the recommended ripping, disking, fertilization, seeding, or watering. The cost estimate was based on $31.00/ton disposal rate quoted by Steve Berry.

Given the large volume of soil that has been collected and is still in place, a volume reduction strategy may be appropriate. It may be possible to reduce the volume of soil scheduled for haul off if this material were passed over a large shaker screen (perhaps like those used in highway or building construction). The finer fraction may be suitable for surface spreading back on the sites of origin.

Due to the complexities of some sites and the potential for deeper soil impacts, DPO is proposing a two phase approach to the tank battery remediation. Phase I is addressed here and in the report to follow next week. Phase II will require additional investigation at a number of sites: TB 2, the glycol tank area and Trench 4 at the gas plant, GP 17 (sump located below the gas plant), the deeper impacted soil at TB 8, and the creek area south of TB 3. Each of these areas are unique and will require a specific approach to delineate the vertical and horizontal extent of possible impact and the depth to ground. Determining the depth to ground water is important in establishing the cleanup criteria based on the LARWQCB.

If you desire DPO to continue the proposed Phase II approach, please notify me via OV. If you wish to discuss the draft version of our soil volume estimates or the final Phase I report, please contact me, and we will arrange a mutually agreeable time and place.

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Buddy, Margaret, and I certainly appreciate the work and assistance provided by Phil, Steve, and Dave during our two field visits. They did a considerable amount of work and were always ready to assist in any way we requested. Please convey our appreciation and thanks.

c: Mr. Steve Berry
Mr. Phil Sanchez

CASTAIC JUNCTION
Volume Estimates of Soils to be Excavated for Disposal

tons = cu. yds. * 1.5

cubic yds. = [sq. in. * (scale^2) * (depth)] / 27

Location	Square Inches	Scale (ft.)	Depth (ft.)	Cubic Yds.	Tons	Cost (Tons x $31)	Comments
TB1							
TB1 (Tank Area)				17	25.50	$790.50	Estimate based on HLA Report. Additional investigation necessary.
TB1 (Sump Area & Creek)				1440	2160	$66,960.00	Soil pile volume from sump excavation.
Low Area (Ponded Water)				?	?	?	Area suggests a pit, recommend additional investigation.
TB2							
TB2 (Tank Area)	7	30	2.5	583.33	875	$27,125.00	Does not include excavation of deep contamination, total depth in excess of 33 feet.
TB2 (Manifold Area)	1.1	30	2	73.33	110	$3,410.00	
TB2 (Creek Area)				550	825	$25,575.00	Soil Pile - 275 cu. yds. excavated from creek at time of DPO's second visit. Anticipate volume to be 550 cu. yds.
TB3							
TB3 (TB Area)	3.05	80	1.5	1084.44	1626.67	$50,426.67	
TB3 (N. Sump)	0.5	80	7	829.63	1244.44	$38,577.78	
TB3 (Trench 9)	0.05	80	2	23.70	35.56	$1,102.22	Area south of manifold.
TB3-6B (55x32x7/27)				456	684	$21,217.78	Soil pile volume from north creek area cleanup.
TB3-6B (102x34x8/27)				1028	1541	$47,781.33	Soil pile volume from south creek area cleanup. Additional assessment necessary.
TB3-12 (Creek)	0.04	80	2	18.96	28.44	$881.78	Small patches of asphalt in creek.
TB3-Manifold Area				(60 est.)	(90 est.)	$2,790.00	This area was not investigated but should be inspected during Phase I remediation. Included 60 yds. in anticipation of subsurface oiling in the manifold area.
TB4							
TB4-Sump Area				1690	2535	$78,585.00	Soil pile volume from biovent site.
TB4 (Various Other Locations)				~10	~15	~$465.00	Estimated anticipated volume of 10 yds. included.
TB5							
TB5 (Creek)	0.41	40	1	24.30	36.44	$1,129.78	Exposed asphaltic material in the creek area.
TB5 (Creek)	0.1	40	2	11.85	17.78	$551.11	
TB5 (Creek)	0.11	40	4	26.07	39.11	$1,212.44	

CONFIDENTIAL

Volume Estimates of Soils to be Excavated for Disposal (con't.)

tons = cu. yds. * 1.5

cubic yds. = [sq. in. * (scale^2) * (depth)] / 27

Location	Square Inches	Scale (ft.)	Depth (ft.)	Cubic Yds.	Tons	Cost (Tons x $31)	Comments
TB5 (con't.)							
TB5 (Trench 1)	0.06	40	2	7.11	10.67	$330.67	
TB5 (Trench 2)	0.045	40	6	16	24	$744.00	Depth to base of contamination may exceed depth of 6 ft. trench.
TB5 (Pump/Sump Area)				~8	~12	~$372.00	Volume estimated around HLA TB-5-1.
TB5 (Trench 3)	0.22	40	3	39.11	58.67	$1,818.67	
TB5 (S. of Trench 3)	0.52	40	3	92.44	138.67	$4,298.67	Test trap area volumes anticipated.
TB5 (Trench 4)	0.06	40	3	10.67	16	$496.00	Along pipe line.
TB5 (Trench 5)	0.05	40	2	5.93	8.89	$275.56	Manifold area.
TB5 (Trench 7)	0.26	40	1	15.41	23.11	$716.44	Along eastern berm.
TB5 (Heater Treater)	0.15	40	1	8.89	13.33	$413.33	
TB5 (Heater Treater)	0.06	40	3	10.67	16	$496.00	
TB5 (Soil Pile)				204	306	$9,472.22	Soil pile volume from creek excavation.
TB5 (North end)			1	10	15	$465.00	Soil volume anticipated if impacted soil uncovered.
TB6/7 and Gas Plant							
TB6/7	6	40	1.5	533.33	800	$24,800.00	Compressor Unit TB6
TB6/7 FS Area	0.07	40	6.5	26.96	40.44	$1,253.78	Flare Stack Area
TB6/7 FS Area (80' Trench #4)				?	?	?	Addressing in Phase II
Diesel Tank Area				10	15	$465.00	
Glycol Tank Area				?	?	?	Addressing in Phase II
TB8							
TB8 (Access Road)	3.8	40	1	225.19	337.78	$10,471.11	Possible tar mat under dirt roadway.
TB8 (Trench 4)	0.07	40	1.5	6.22	9.33	$289.33	East of manifold.
TB8 (Creek Area to the North)				175	263	$8,137.50	Three soil piles at creek area north of TB8 along lease road.
CT							
Condensate Tank							Volume minimal, unquantified.

CONFIDENTIAL

PROPRIETARY

Volume Estimates of Soils to be Excavated for Disposal (con't.)

tons = cu. yds. * 1.5

cubic yds. = [sq. in. * (scale^2) * (depth)] / 27

Location	Square Inches	Scale (ft.)	Depth (ft.)	Cubic Yds.	Tons	Cost (Tons x $31)	Comments
GP17							
GP17 (Sump are below GP)							Hydrocarbon impacted soils found. Cleanup reserved for Phase II.
W63							
W63							No oil contamination observed east of the lease road.
TOTALS				9253.11	13879.67	$433,059.67	

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Castaic Junction Site Abandonment

Section 3

Phase I - Part 1
Recommendation for Additional Investigations

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MEMORANDUM

DPO/Operations Integrity - Compliance

August 31, 1995

TO: Mr. Rick Storey

FROM: M. S. Wong
F. E. Hand
J. A. Rickner

SUBJECT: Castaic Junction

The attached table is DPO's recommendation for the next phase of work for the Castaic Junction Field abandonment. The table identifies 8 sites where additional work is recommended and the recommended scope of work at each site.

DPO recommends a 2 step approach to the next phase of site investigation.

1. further sampling with back hoe to delineate vertical and lateral contamination to the extent practicable
2. obtain borings to complete delineation of contamination and/or determine the depth to groundwater.

Total estimated costs for the installation of up to 4 shallow (average 40 ft.) and 1 deep (155 ft.) borings at each site is $95 k. We have assumed that all 8 sites on the list will require 4 shallow and 1 deep boring. Currently, only 3 sites have been identified as requiring borings. Our cost does not include additional backhoe or trenching activities.

MSW/FEH
Attachment

c: Mr. Steve Berry
Mr. Phil Sanchez.

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CASTAIC JUNCTION
RECOMMENDATIONS FOR ADDITIONAL INVESTIGATION

Recommended Areas For Further Investigation	Reason For Further Investigation	Recommended Action	Comments*
1. Tank Battery 2			
– Intersection of Trench A and F	• Determine vertical and lateral extent of contamination • Determine depth to groundwater	• 3 -5 borings • Soil analysis	• 2-4 borings to 50 ft. • 1 boring to water or 155 ft.
2. Gas Plant Area			
– Glycol Tank Area	• Soil (15 ft.) analysis exceeds soil screening levels (SSL) for 40 - 150 ft. interval • Determine vertical and lateral extent of contamination • Determine depth to groundwater, if necessary	• Additional sampling and analysis • borings if necessary	
– Trench 4	• HLA found hydrocarbon down to 25-35 ft. Verify if HC exceeds SSL • If SSL are exceeded, delineate • Determine depth to groundwater	• 3 -5 borings • Soil analysis	• 2-4 borings to 40 ft. • 1 boring to water or 155 ft.
– "GP 17" Production Sump	• Soil (15 ft.) analysis exceeds soil screening levels (SSL) for 40 - 150 ft. interval • HLA found hydrocarbon down to 21 ft. Verify if HC exceeds soil screening levels SSL @ 21ft. • If SSL are exceeded, delineate • Determine depth to groundwater if necessary	• Additional sampling and analysis • borings if necessary.	• 2-4 borings to 30 ft. • 1 boring to water or 155 ft.

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3. Tank Battery 8 – Trench 1	• Soil (from 7 ft.) analysis exceeds SSL for 40 - 150 ft. interval • Determine vertical and lateral extent of contamination • Determine depth to groundwater if necessary	• Additional sampling and analysis • borings if necessary
4. Tank Battery 3 (South) – Creek Area	• Soil (from 13 ft.) analysis exceeds SSL for 40 - 150 ft. interval • Determine vertical and lateral extent of contamination • Determine depth to groundwater if necessary	• Additional sampling and analysis • borings if necessary
5. Round House – Near Well #15	• Soil (from 12 ft.) analysis exceeds SSL for >150 ft. interval • Determine vertical and lateral extent of contamination • Determine depth to groundwater if necessary	• Additional sampling and analysis • borings if necessary
– Near Equipment (Pallets) Storage Area	• Soil (from 2.5 ft.) analysis exceeds SSL for > 150 ft. interval • Determine vertical and lateral extent of contamination • Determine depth to groundwater if necessary	• Additional sampling and analysis • borings if necessary

*** Approximate cost for soil borings may be up to $95k. Cost assumes $ 65k for borings (up to 32 - 40 ft. borings, 8 deep borings to water or 155 ft.), $15k for lab analyses, $15k for contingency.**

08/31/95

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Castaic Junction Site Abandonment

Section 4

Phase I - Part 2
Site Investigations

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Castaic Junction
Phase I - Part 2

This report comprises the documentation and results of a site visit conducted by DPO on 9/6-8, 1995. This visit addressed and followed up the recommendation for additional excavation and sampling (to the extent practicable) on several sites that were identified in Phase I - Part 1 as requiring additional investigation to further define the vertical and lateral limits of soil contamination.

Sites visited were:

- Tank Battery 2 South (across the road from the trenches and adjacent to the creek bed)
- Tank Battery 3 South (creek area)
- Tank Battery 8
- Gas Plant Area - glycol tank & heater units area and diesel tank area
- Round House - Well #15 and Equipment Storage Area

10/13/95

Tank Battery 2 (South)

Area visited is at the terminus of a recently excavated dry creek bed and across the road from (south of) where Tank Battery #2 trenches have been dug. Refer to Plate 5AA and photos R4 - P13, - P11, - P2 for location and orientation. A fairly thick and irregular shaped asphalt lense was observed in the excavated slope wall below the road surface. The asphalt occurs approximately 1 foot below the road surface and branches of asphalt are present at bottom, which is 10 feet below grade. Per Phil Sanchez, an old oil sales line went through this area.

Sampled 2 feet below asphalt.
5AATB2-1, 10 feet bgs; no detectable hydrocarbons.

Recommendation

Delineate lateral and vertical extent of asphalt through mechanical excavation. Dig out asphalt and haul off.

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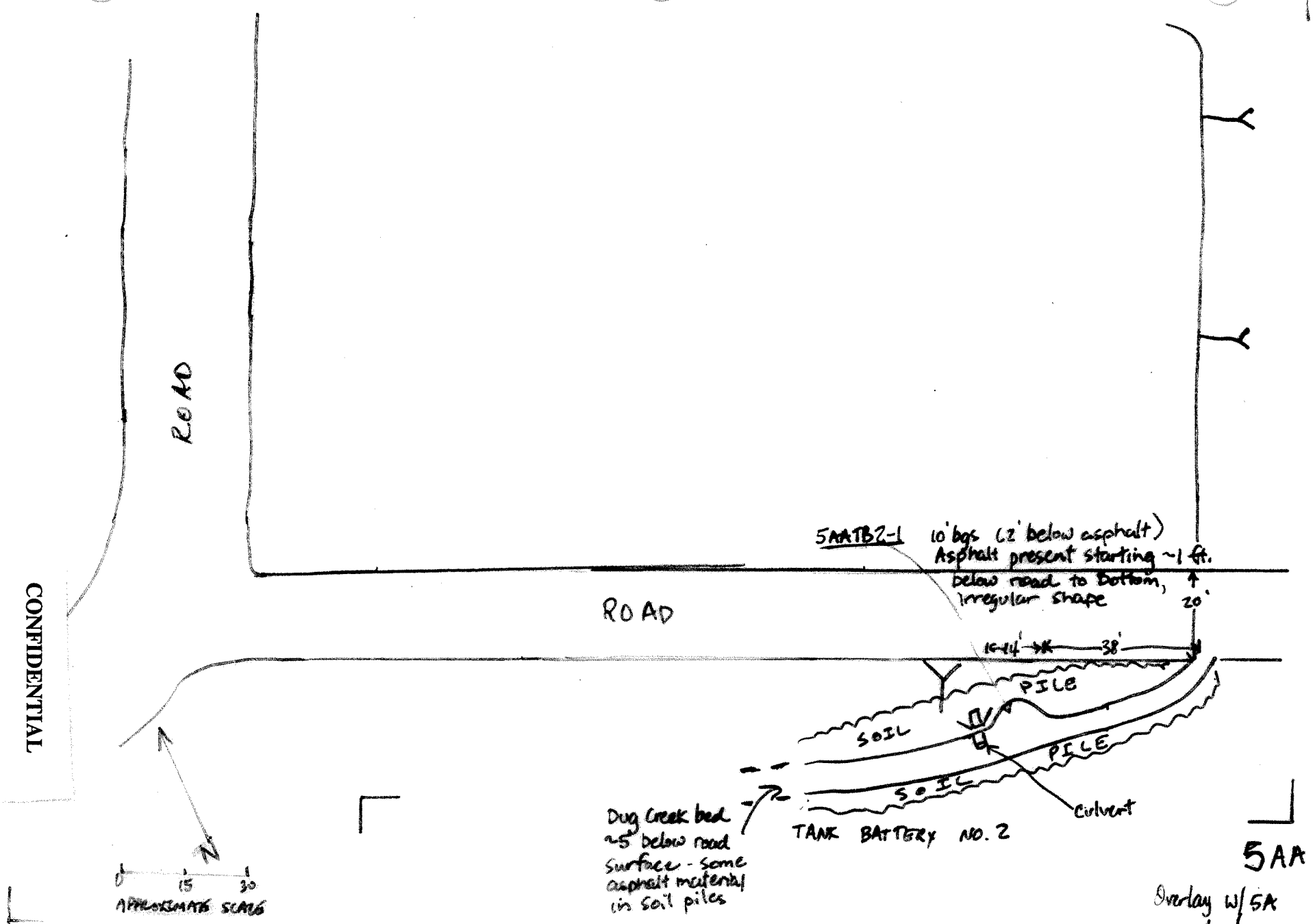

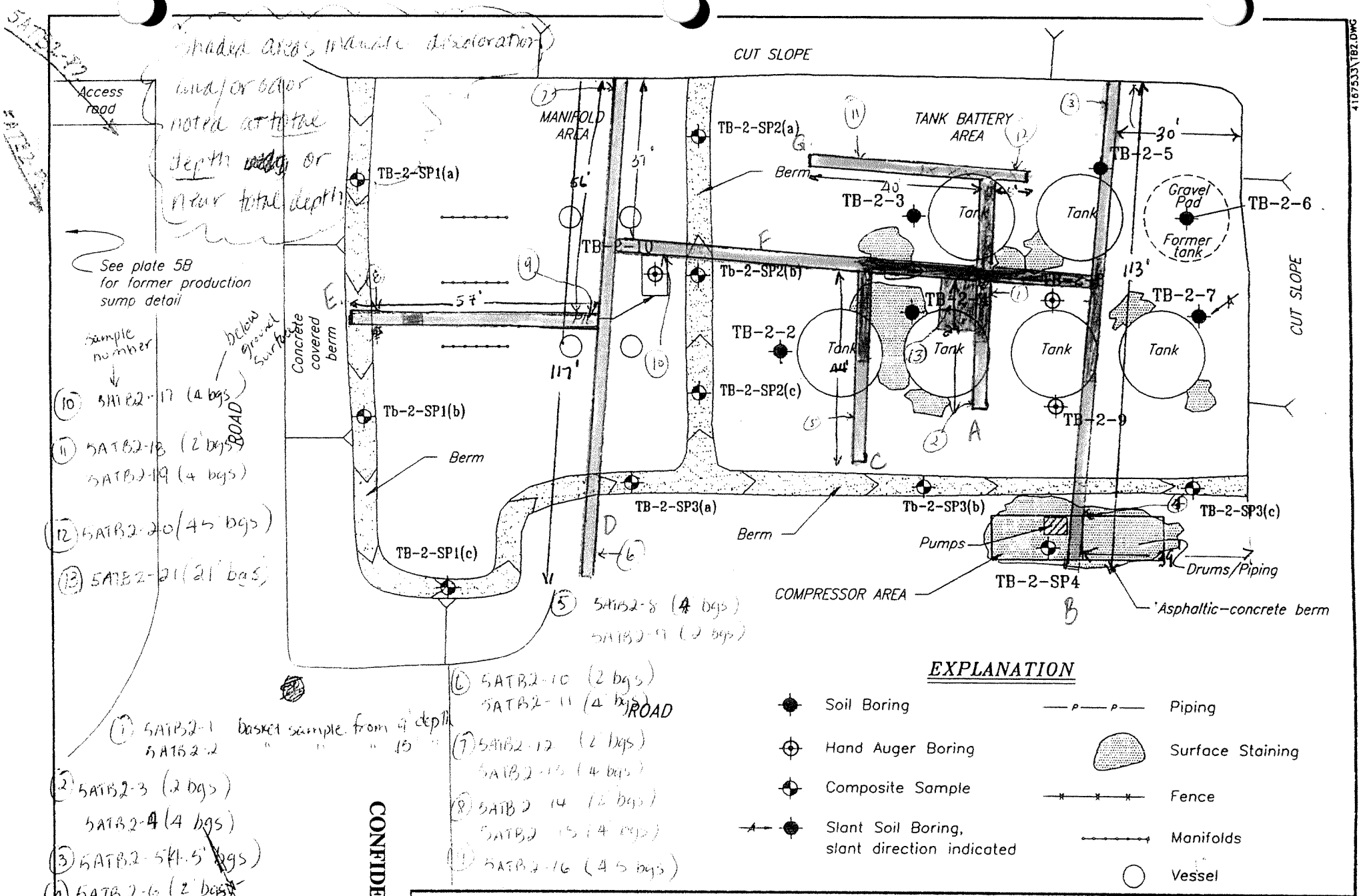

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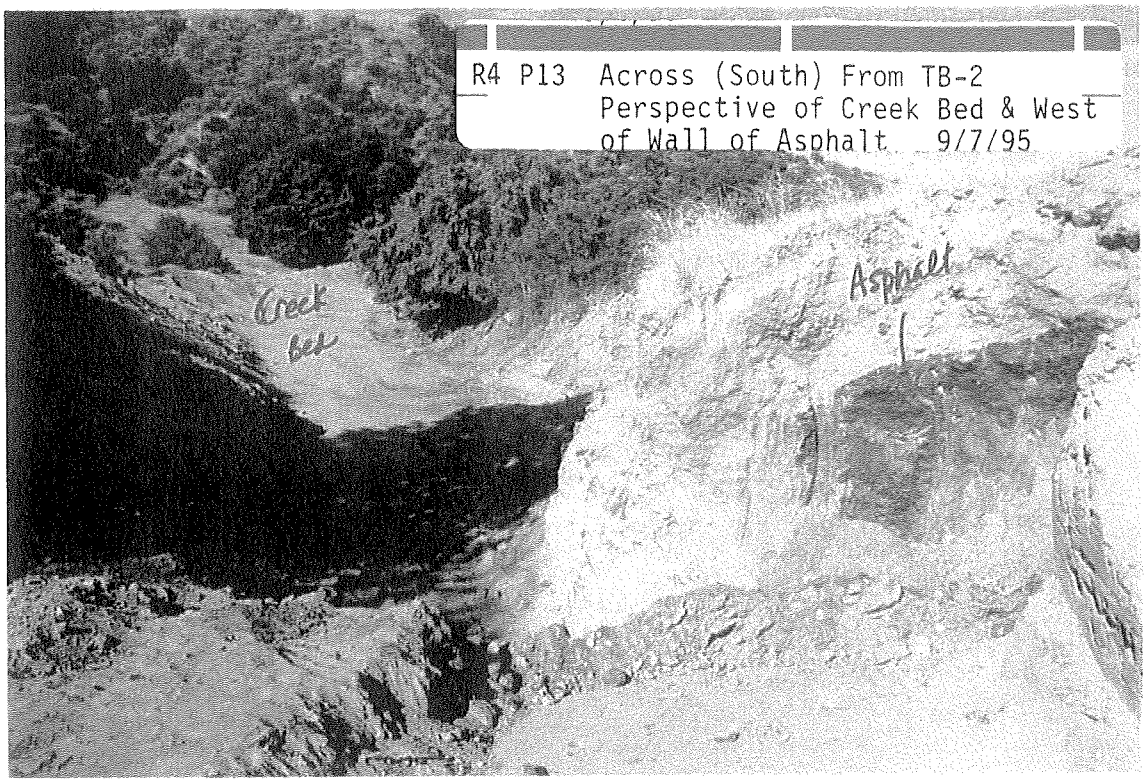
4167533\TB2.DWG

Harding Lawson Associates
Engineering and Environmental Services

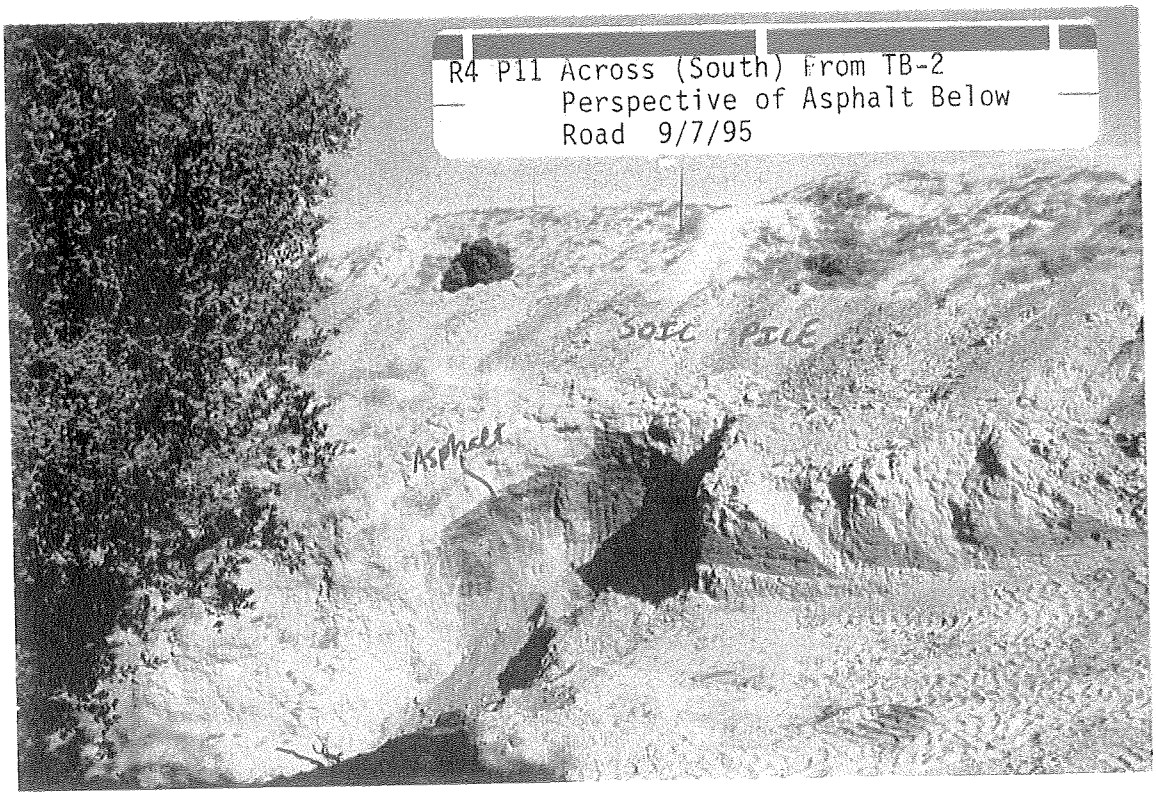
TANK BATTERY No. 2
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE 5A

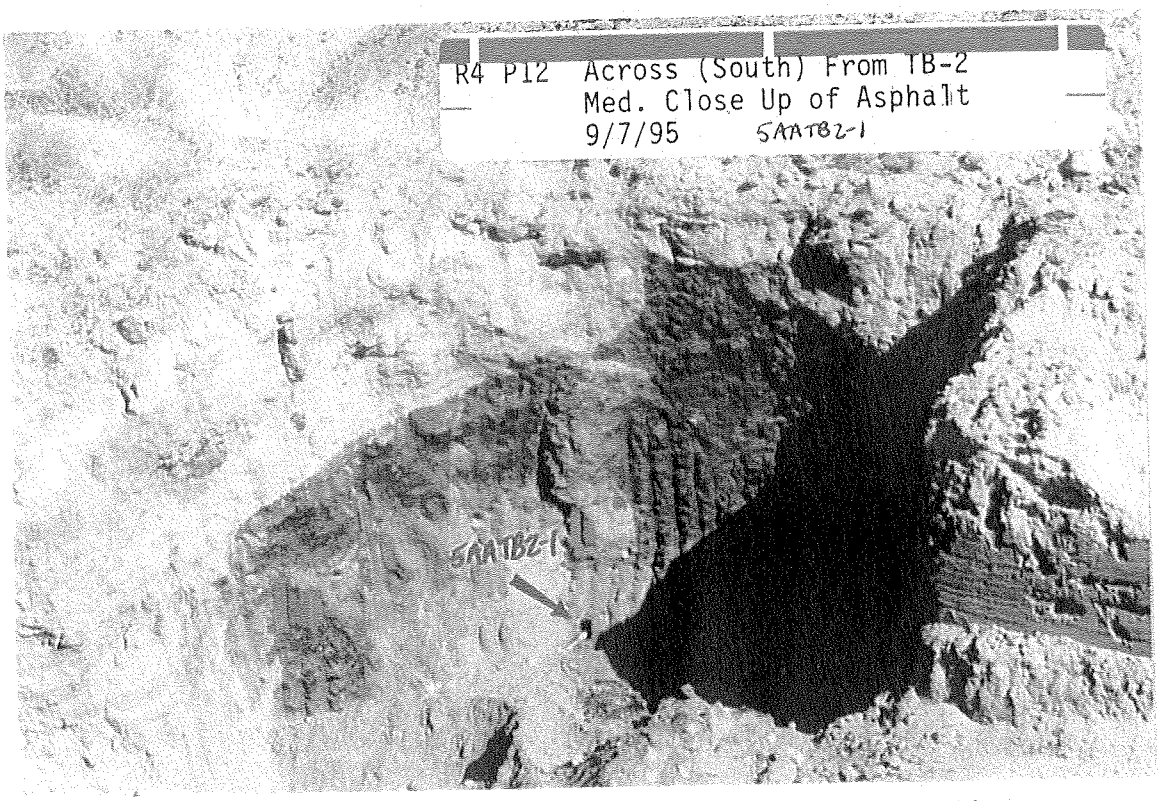
DRAWN | JOB NUMBER | APPROVED | DATE | REVISED DATE



R4 P13 Across (South) From TB-2
Perspective of Creek Bed & West
of Wall of Asphalt 9/7/95



R4 P11 Across (South) From TB-2
Perspective of Asphalt Below
Road 9/7/95


R4 P12 Across (South) From TB-2
Med. Close Up of Asphalt
9/7/95 SAATB2-1
SAATB2-1

Area South of Tank Battery 3 - Creek Area (Plate 6B#2)

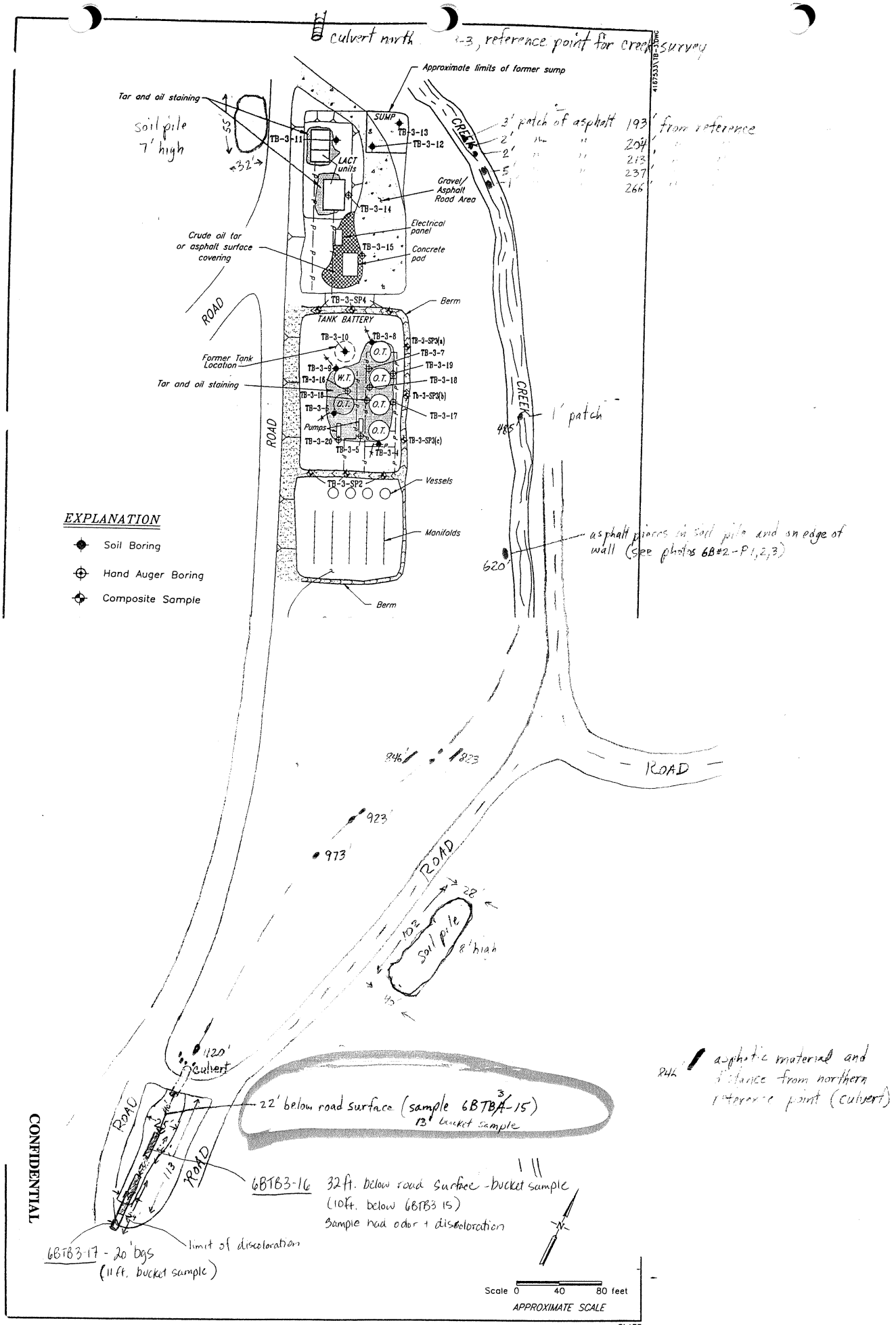
This area was deepened with additional trenching. Two trenches were dug in the ramped down area while DPO was on location. See Plate 6B#2 and photos R4 - P24. The southernmost trench is 20 feet deep and the trench north of it is 32 feet deep. The 32 foot trench is 40 feet south of the culvert and odor and discoloration was observed in the soil during the excavation. The 20 foot trench (southernmost) defined a southern limit of soil discoloration and contamination. Discoloration terminates approximately 15 feet from the south end of the 20 ft. deep trench (photo R4 - P25).

The 32 foot trench was sampled by collecting soil from last excavator bucket. The sample had an odor and a green-gray discoloration.
6BTB3-16, 32 ft. bgs, bucket sample; hydrocarbons detected at soil screening levels for < 40 feet interval.

The soil from the 20 foot trench was sampled from the last excavator bucket of soil which was dug out from the south end of the trench. This sample had no odor and no visible discoloration.
6BTB3-17, 20 ft. bgs, bucket sample; no detectable hydrocarbons

Recommendation

Additional investigation to determine lateral extent and verify the vertical extent of contamination (north of the culvert) with additional excavation and sampling. Borings may be necessary, and possibly determine depth to groundwater if contamination is discovered to be deeper than 32 feet bgs +/-..



944' asphalt material and distance from northern reference point (culvert)

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Environmental Services

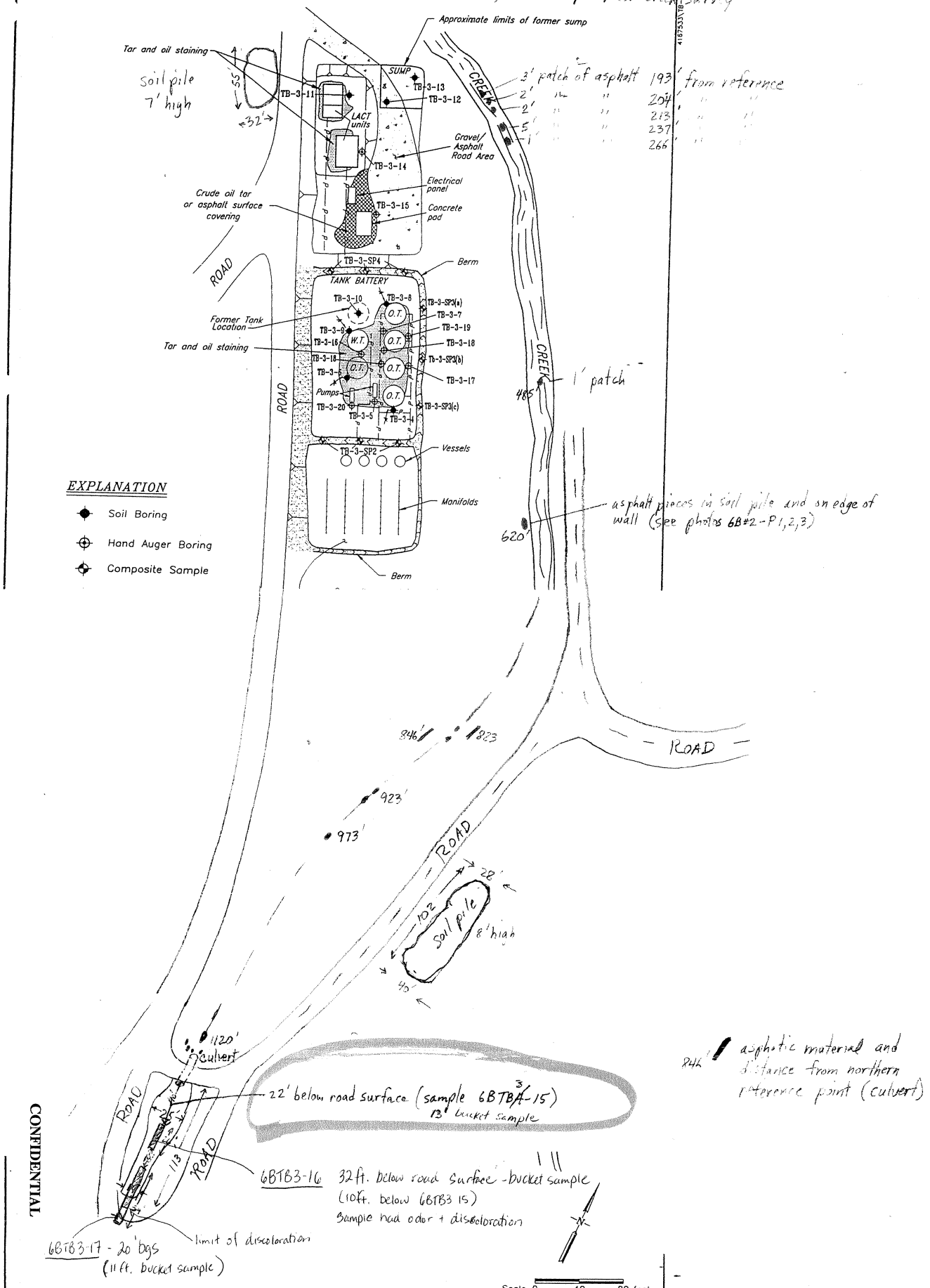
TANK BATTERY No. 3 DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE
6B#2

Rev. 9/95

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE

culvert north. TB-3, reference point for creek survey



244' asphaltic material and distance from northern reference point (culvert)

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TANK BATTERY No. 3 DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE 6B#2

Rev. 9/95

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE

R4 P24 Tank Battery #3 South-Creek Area
Perspective of 32 ft. & 20 ft. deep
(Back) Trenches
9/7/95

R4 P25 Tank Battery #3 South-Creek Area
Med. Close Up of East Wall of
20 ft. deep Trench
9/7/95

Gas Plant Area - Glycol Tank & Heater Units

The area of the northern trench was ramped down and a trench 29 feet below grade was dug while DPO was on location. See Plate 9A. There was a slight odor of the shallower soil during the excavation. Discoloration appeared to end at approximately 20 feet bgs in the trench.

Sampled the last bucket or soil, 29 feet bgs. Sample did not appear to have discoloration or a detectable odor.
9EGPA-5, 29 feet bgs, bucket sample; no detectable hydrocarbons.

Recommendation

Determine lateral extent of contamination with mechanical excavation. Assume bottom of contamination is 20 feet bgs +/-.

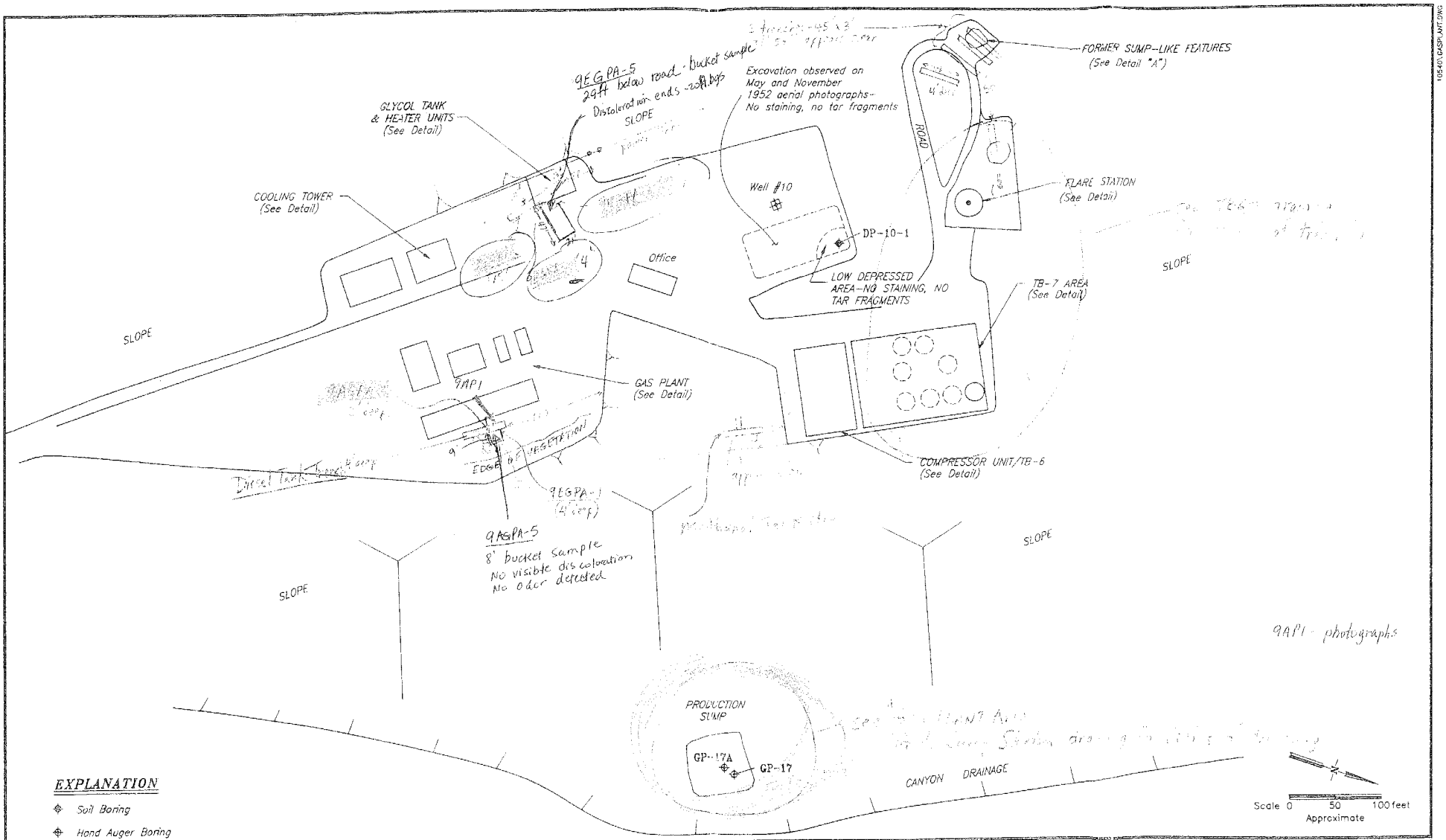
Gas Plant Area - Diesel Tank Area

The existing eastern trench was enlarged to 9 foot by 15 foot trench down and a maximum depth of 8 feet. See Plate 9A. A soil sample was collected from the last bucket. There was no detectable discoloration or odor in the sample.

Sample 9AGPA-5; no detectable hydrocarbons.

Recommendation

Determine lateral extent of contamination with mechanical excavation. Assume the bottom of contamination is no deeper than 8 feet bgs +/-.


9EGPA-5
29ft below road - bucket sample
Discolored min ends ~20ft bgs
Excavation observed on May and November 1952 aerial photographs- No staining, no tar fragments
FORMER SUMP-LIKE FEATURES (See Detail "A")
GLYCOL TANK & HEATER UNITS (See Detail)
COOLING TOWER (See Detail)
SLOPE
ROAD
Well #10
DP-10-1
FLARE STATION (See Detail)
Office
LOW DEPRESSED AREA-NO STAINING, NO TAR FRAGMENTS
TB-7 AREA (See Detail)
SLOPE
9API
GAS PLANT (See Detail)
EDGE OF VEGETATION
COMPRESSOR UNIT/TB-6 (See Detail)
9EGPA-1
9AGPA-5
8' bucket sample
No visible discoloration
No odor detected
SLOPE
SLOPE
9API photographs
PRODUCTION SUMP
GP-17A
GP-17
CANYON DRAINAGE
Scale 0 50 100 feet
Approximate
EXPLANATION
Soil Boring
Hand Auger Boring
CONFIDENTIAL
NOTE: General layout per March 1968 Aerial Photograph shown with modifications from April and July 1992 field mapping by HLA
Harding Lawson Associates
Engineering and Environmental Services
GAS PLANT AREA - GENERAL LAYOUT
Exxon Castaic Junction
Valencia, California
PLATE 9A
DRAWN JCM
PROJECT NUMBER-TASK 10540-553
APPROVED
DATE 8/92
REVISED DATE
Rev 9/95
10540\GASPLANT.DWG

Round House - Well #15

The area around Well #15 was ramped down to a maximum depth of 12 feet below the road surface and a hole 15 feet deep was dug around Well #15. See Plate 11B, photos R4 - P14, P17. There was a noticeable hydrocarbon odor while the shallow soil was being excavated. Discoloration appears to be present at bottom on the north wall. Collected soil from the last excavator bucket. Soil sample had a green-gray discoloration and a slight hydrocarbon odor.

11BRHT-8, 27 feet bgs, bucket sample; hydrocarbons detected below soil screening levels.

Recommendation

Delineate lateral limits of contamination and verify that the bottom of contamination is at 27 feet bgs +/- with mechanical excavation. .

Round House - Equipment Storage Area (ESA)

The existing trench was enlarged to 11 feet wide by 34 feet long, maximum 8 feet deep. There was no visible discoloration, an odor was noticeable while digging the shallow earth.

Sampled east wall, 16 feet from the south end.
11CESA-2, 8 feet bgs; no detectable hydrocarbons

Sampled west wall, 7 feet from the north end.
11CESA-3, 8 feet bgs; no detectable hydrocarbons

Recommendation

Determine the lateral limits of contamination with mechanical excavation. Assume contamination is no deeper than 8 feet bgs +/-.

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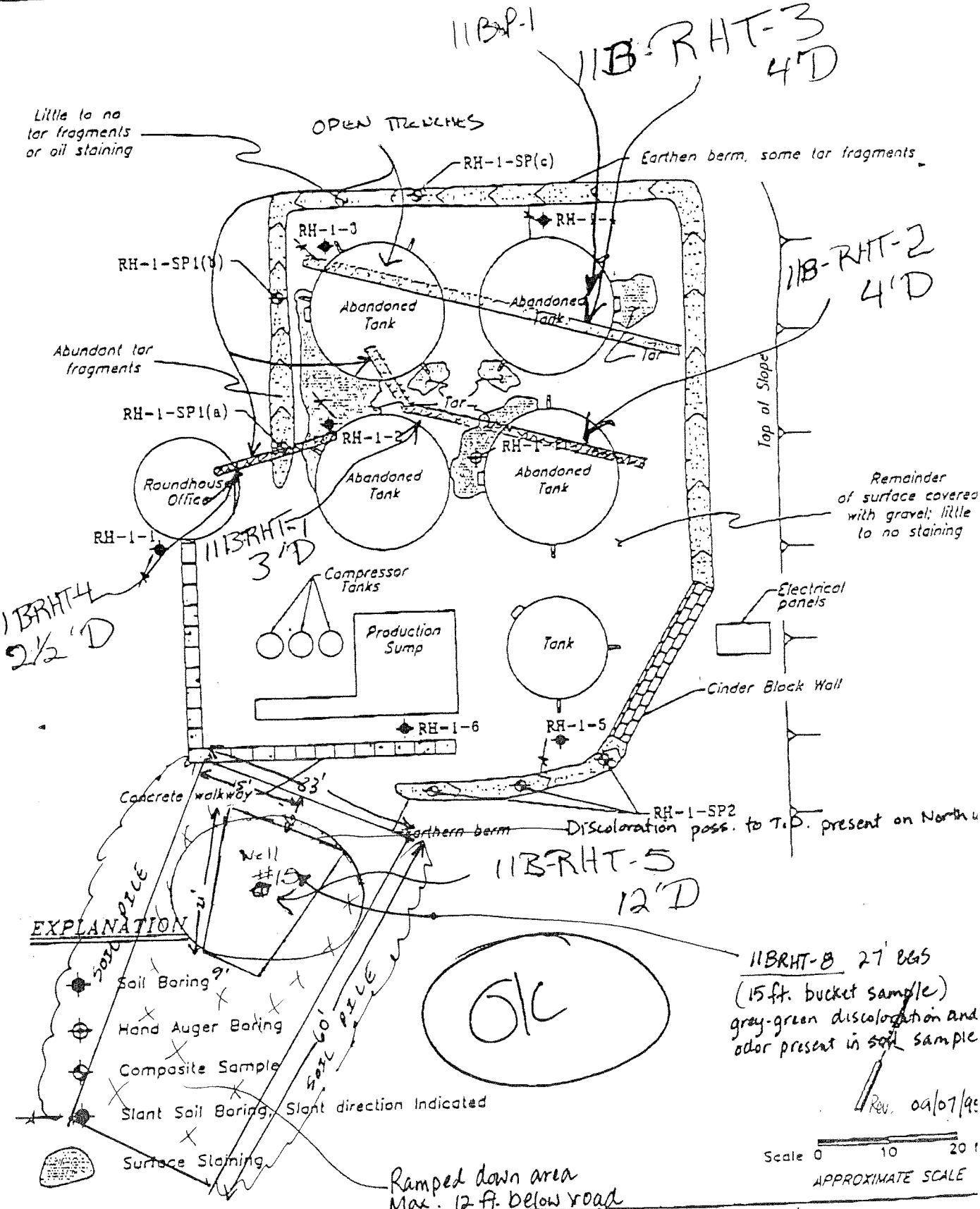

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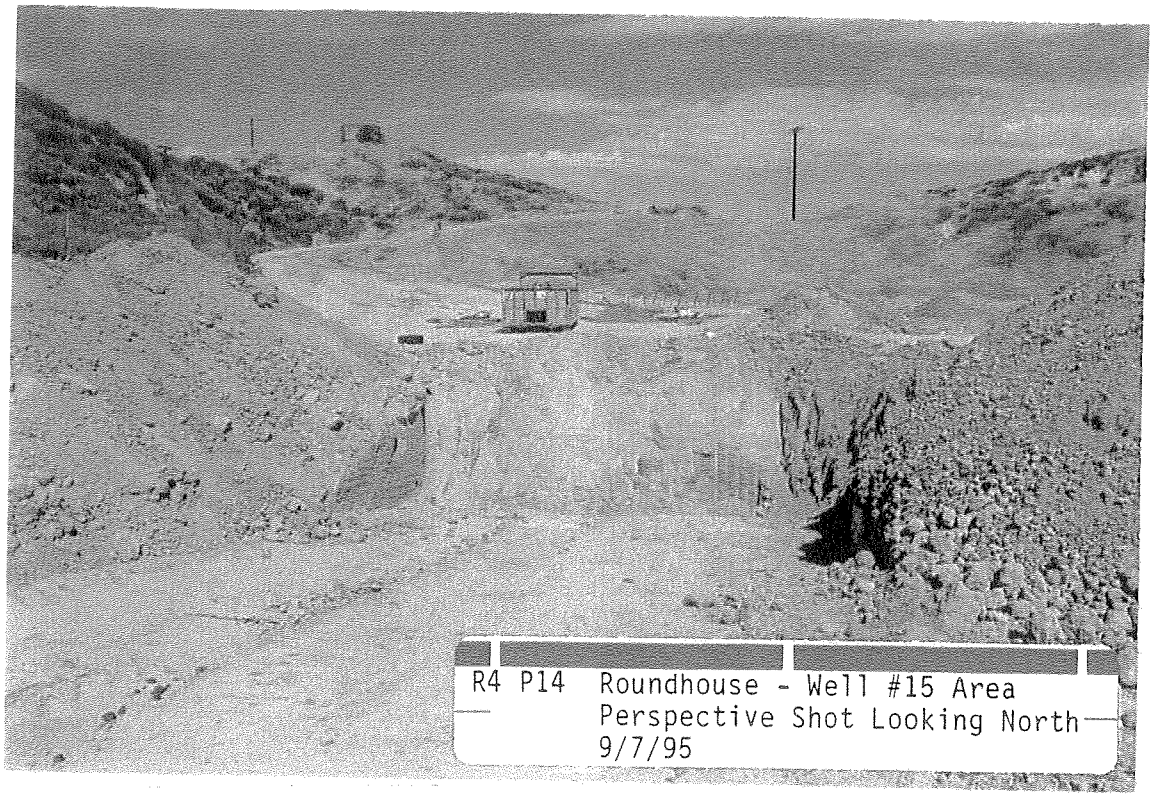
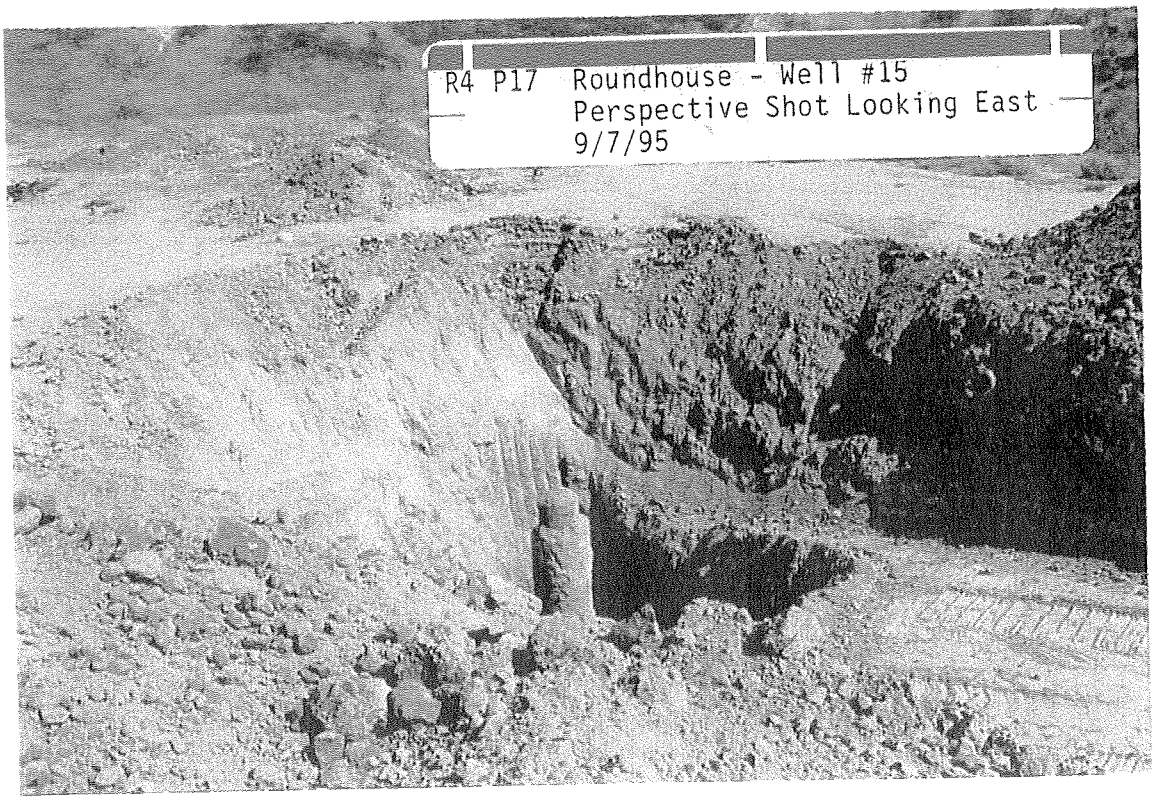
ROUNDHOUSE TANK BATTERY DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

1

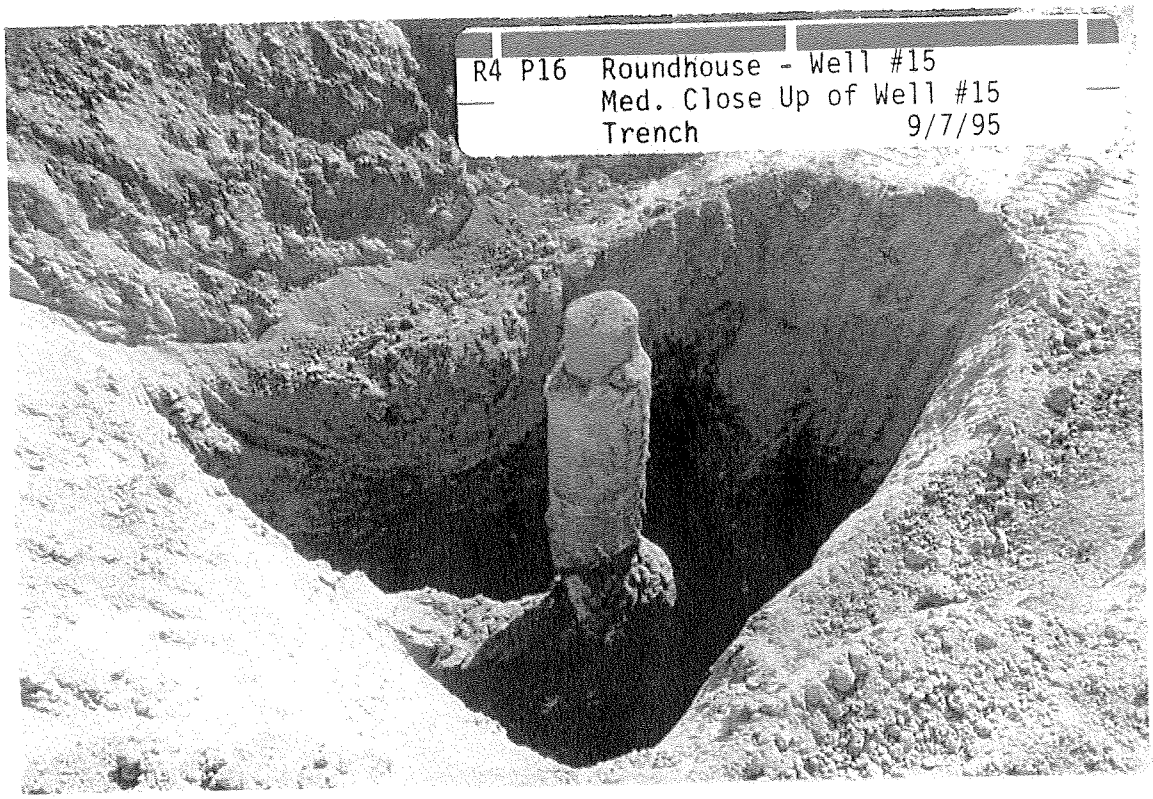
DRAWN ICM
JOB NUMBER 4167.533.16
APPROVED
DATE 5/92
REVISE

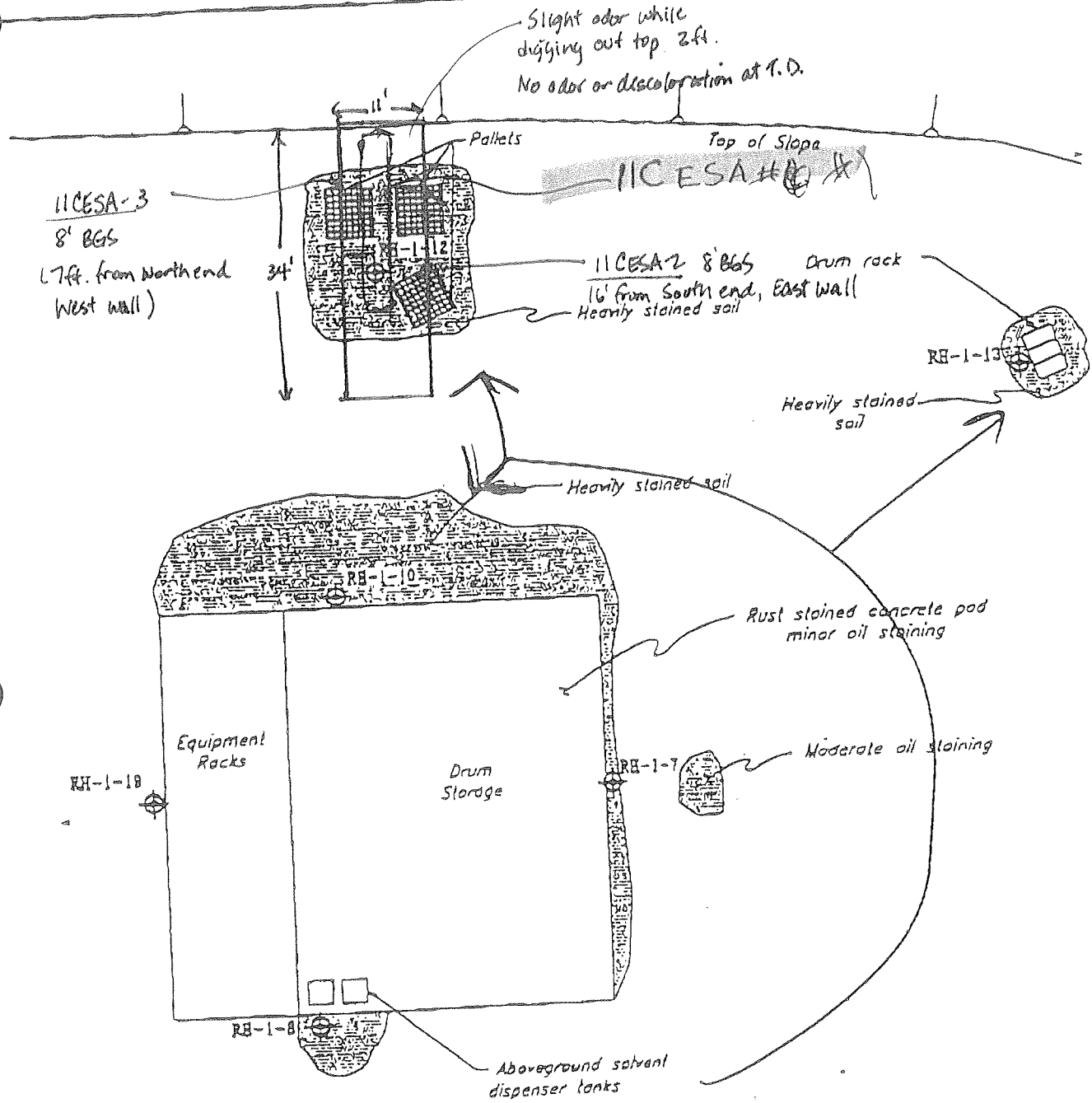


R4 P14 Roundhouse - Well #15 Area
Perspective Shot Looking North
9/7/95



R4 P17 Roundhouse - Well #15
Perspective Shot Looking East
9/7/95


R4 P16 Roundhouse - Well #15
Med. Close Up of Well #15
Trench
9/7/95



TRENCH / SAMPLE / CONTAMINATION ?

EXPLANATION

- Hand Auger Boring
- Surface Staining

NOTE: RH-1-9 mislabled as RH-1-19

Scale 0 10 20 feet
Approximate

PLATE 11C

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EQUIPMENT STORAGE AREA DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

Rev. 09/01/95

Tank Battery 8

Additional excavation was conducted on two sections of Trench 1 while DPO was on location.

The southern area (where contamination was previously noted) of Trench 1 was ramped down to ~9 feet below the road surface and then a trench was dug 11 feet below the ramped down level. See Plate 10 overlay and photos R5 - P4, R4 - P28. According to HLA Plate 10, this area formerly contained a pump and a sump. Discoloration was observed ~ 11 ft. from the south end of the trench and ~ 10 feet wide along the trench walls (R4 - P28, R4 - P29). Discoloration appears to end 2-3 feet from the bottom of the trench (R4 - P27).

Sampled soil from last excavator bucket, below the area of discoloration.
10TB8-7, 20 feet bgs; hydrocarbons detected below soil screening levels

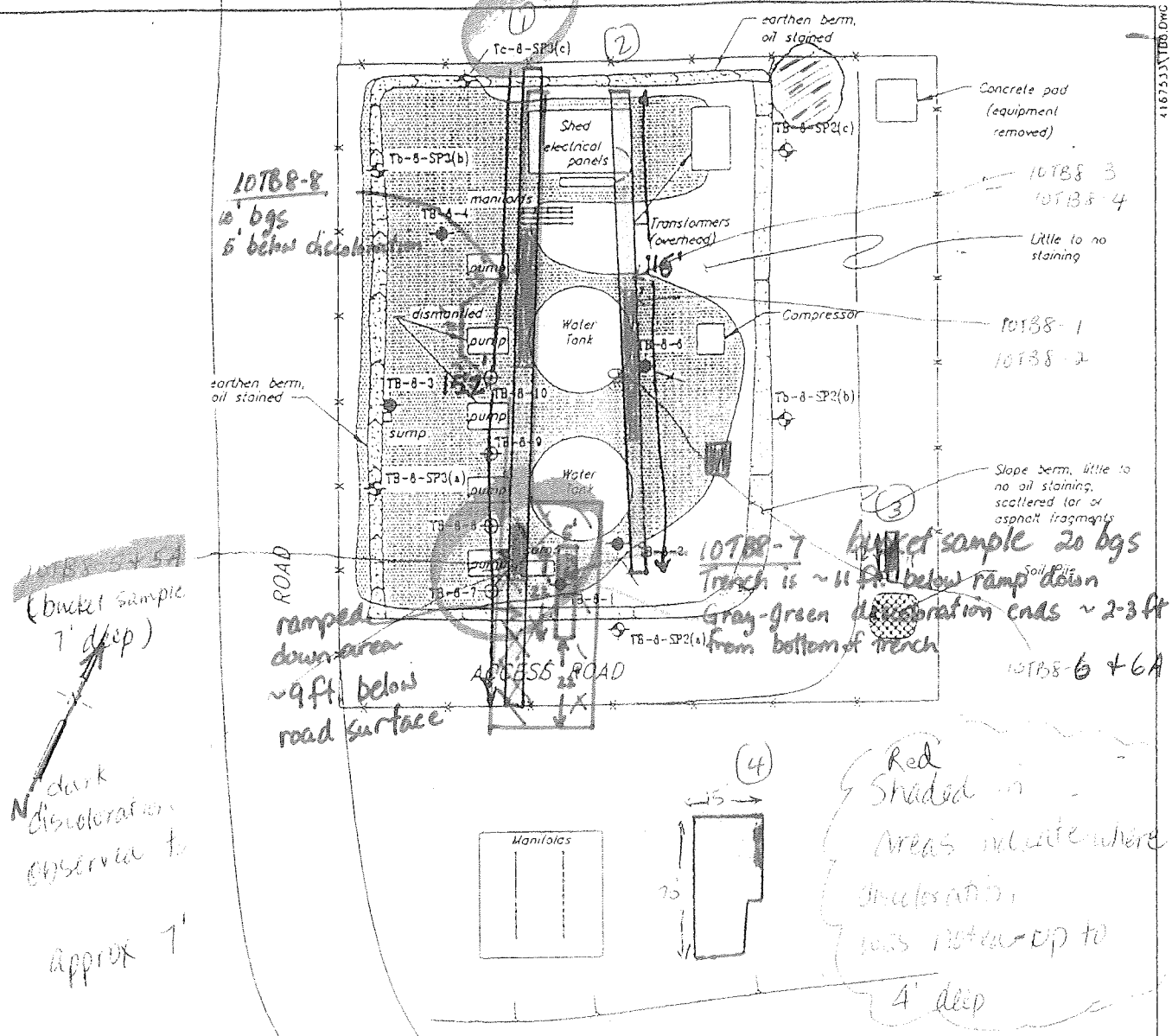
The other area where additional digging was conducted was where discoloration was previously noted in the central -north segment of Trench 1.. No soil samples had been collected previously from this part of Trench 1. See Plate 10 overlay and photo R5 - P3 for the limits of the excavation. Dark brown - black discoloration was observed in the upper 5 feet on the north wall (photo R5 - P5). A maximum depth of 10 feet was attained.

Sampled from north wall, 3 feet from the intersection with the main trench, 5 feet below discoloration and 10 feet below the road surface.
Sample 10TB8-8, 10 feet bgs; no detectable hydrocarbons

Recommendations

Determine lateral limits of the contamination in the former pump/sump area with mechanical excavation. Assume vertical limit of contamination is coincident with the bottom of trench, 20 feet.

Determine lateral limits of contamination and verify contamination is not deeper than 10 feet bgs +/- with mechanical excavation. Dig out contaminated soil and haul off.



EXPLANATION

- Soil Boring
- Hand Auger Boring
- Composite Sample
- Slant Soil Boring, slant direction indicated
- Fence
- Staining

Note TB-5-5 not drilled

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Scale 0 20 40 feet
APPROXIMATE SCALE

Harding Lawson Associates
Engineering and

TANK BATTERY No. 8
TANK CATHODIC PROTECTION
VALENCIA, CALIFORNIA

PLATE 10

Rev. July/August 1995

ER .16 APPROVED 5/9/95 DATE REVISED DATE

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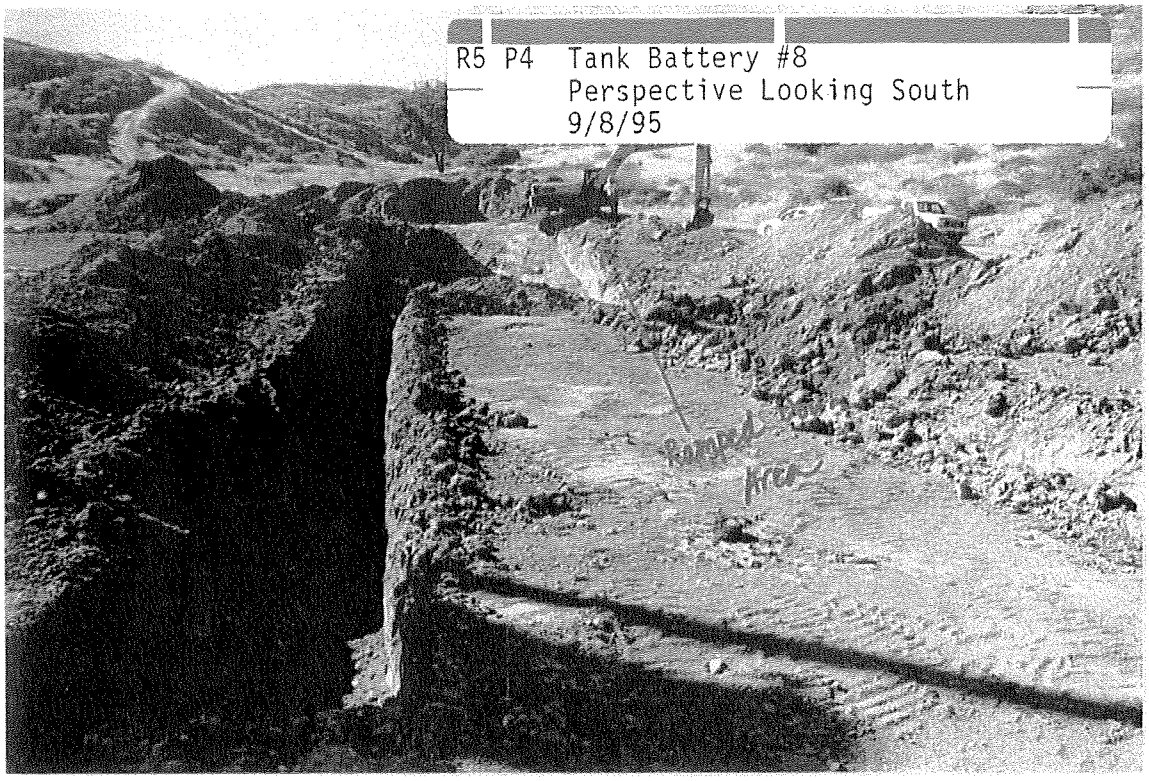
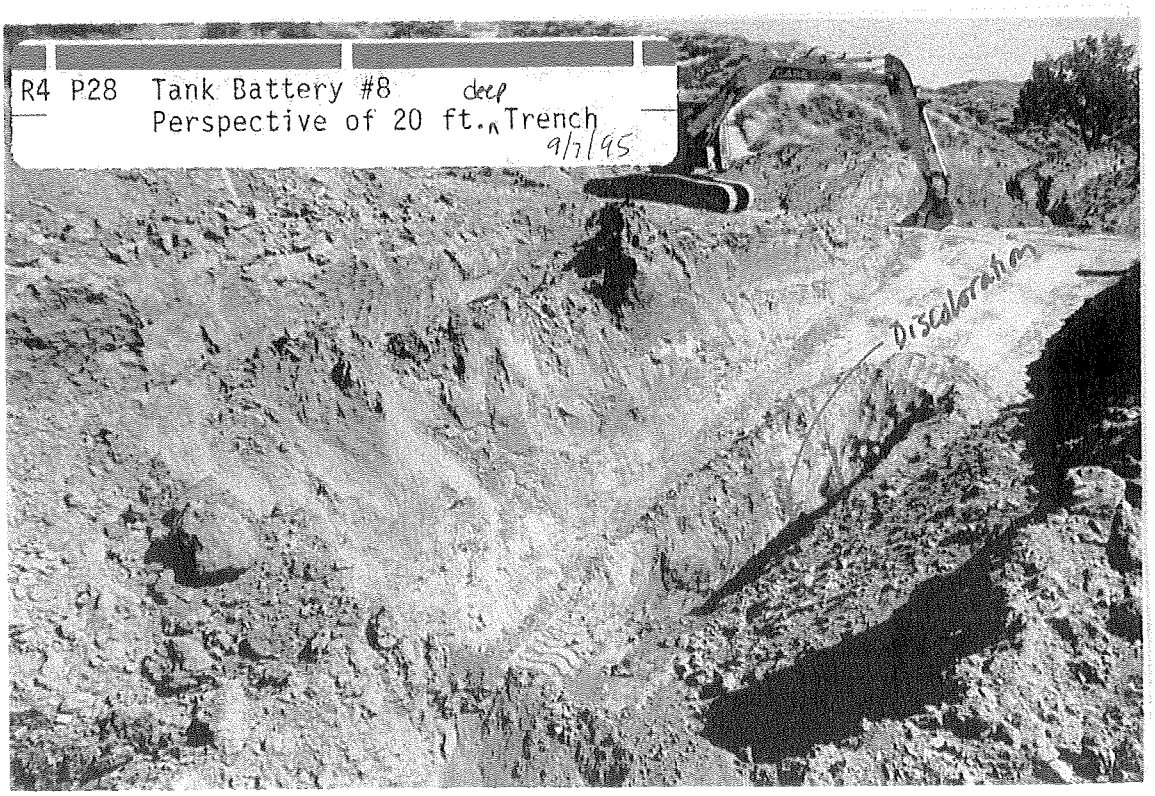
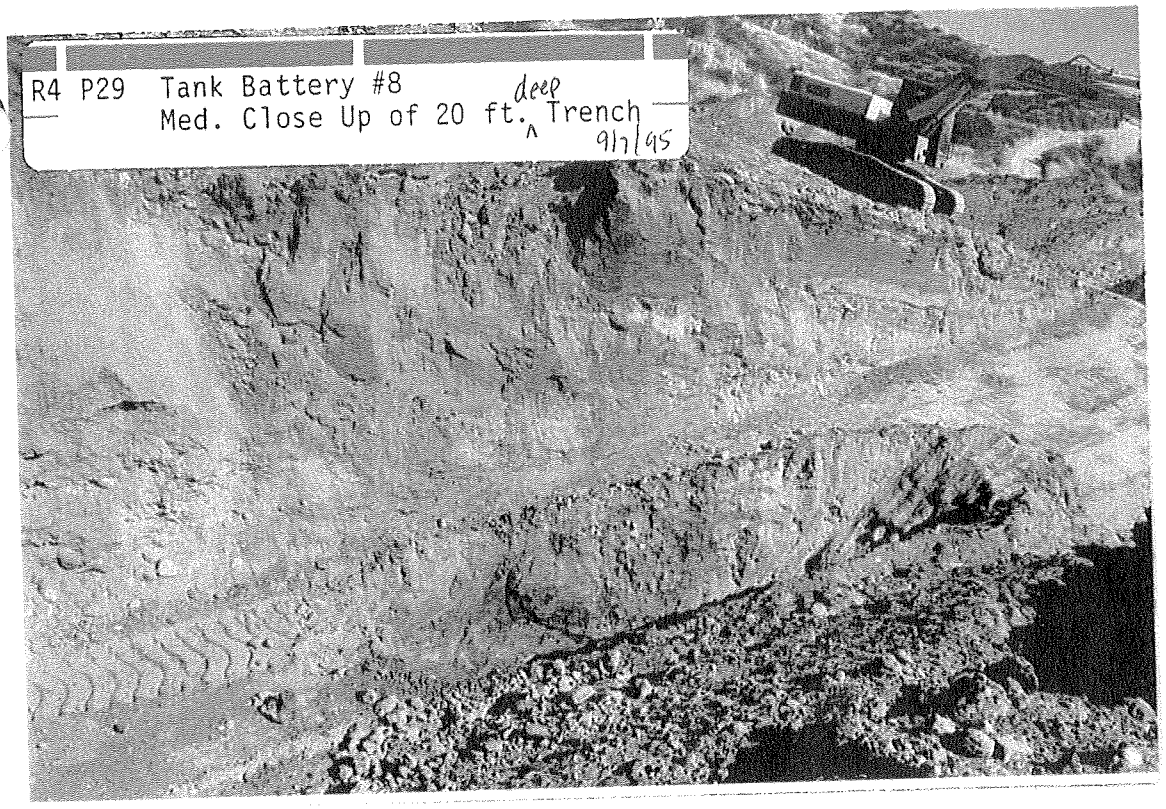
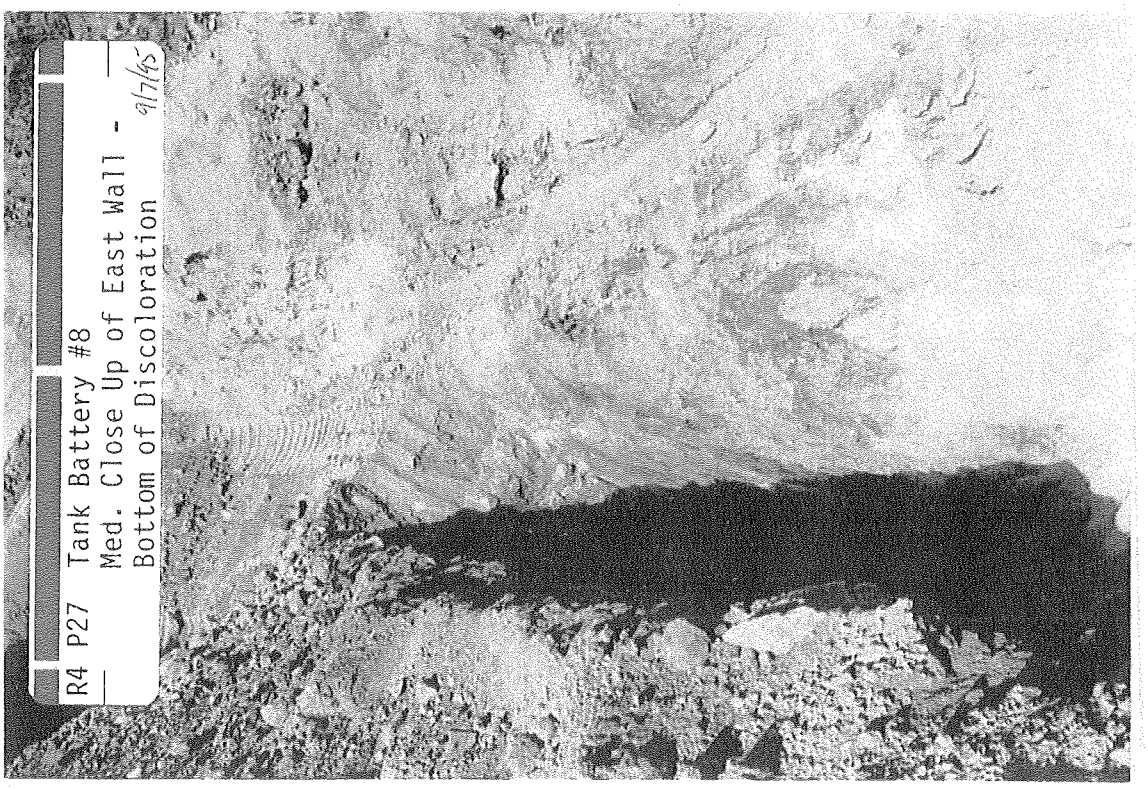
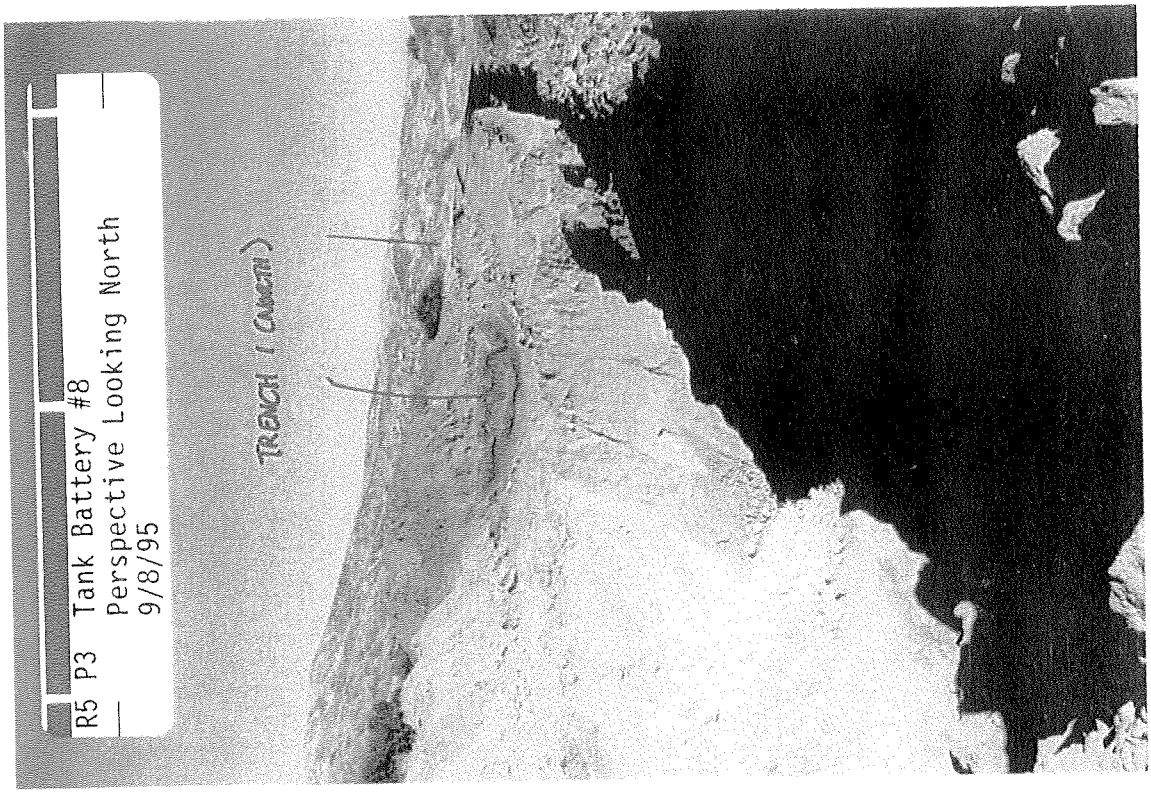
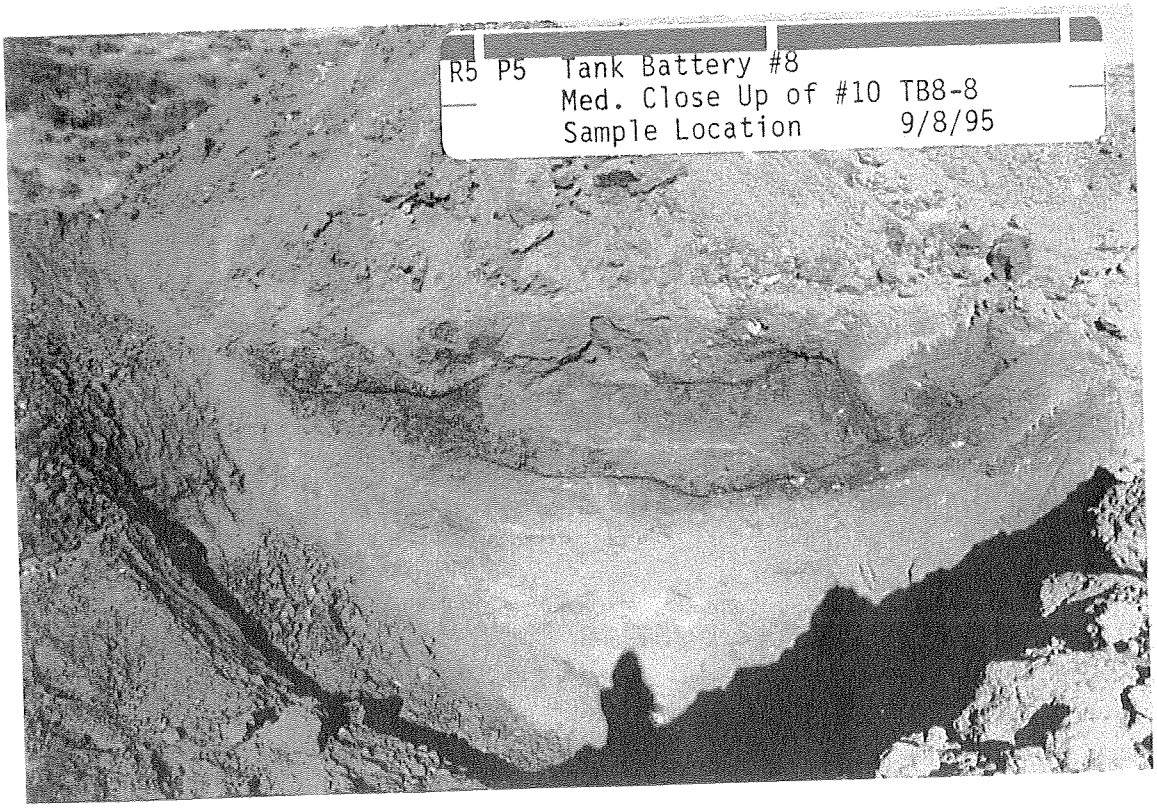

R5 P4 Tank Battery #8
Perspective Looking South
9/8/95


R4 P28 Tank Battery #8 deep
Perspective of 20 ft. Trench
9/7/95
Discoloration


R4 P29 Tank Battery #8
Med. Close Up of 20 ft. deep Trench
9/7/95


R4 P27 Tank Battery #8
Med. Close Up of East Wall -
Bottom of Discoloration
9/7/95


R5 P3 Tank Battery #8
Perspective Looking North
9/8/95
TRENCH 1 (CAUSTIC)


R5 P5 Tank Battery #8
Med. Close Up of #10 TB8-8
Sample Location 9/8/95

Castaic Junction Site Abandonment

Section 5

Phase I - Parts 1 and 2
Table 1 - Lab Analysis Results

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PROPRIETARY

Table 1. Castaic Junction Lab Analysis

(Samples Taken to Identify Clean Soil)

mg/Kg (ppm)

Sample Location *	Sample Date	Volatile Fuel Hydrocarbons	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Extractable Hydrocarbons **			Sample Depth
							C8-C12	C13-C22	C23-C40	
Tank Battery No. 1										
4TB1-1	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	7'
4TB1-2	7/25/95	ND	ND	ND	ND	ND	ND	5.2	29	3'
4TB1-3	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	4'2"
Tank Battery No. 2										
5ATB2-1	7/27/95	830	ND	ND	12	4.1	560	1100	1000	9'
5ATB2-2	7/27/95	550	ND	0.67	6.4	2.4	440	1000	930	15'
5ATB2-3	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
5ATB2-4	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
5ATB2-5	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4.5'
5ATB2-6	7/27/95	ND	ND	ND	ND	ND	ND	9.8	67	2'
5ATB2-7	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
5ATB2-8	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
5ATB2-9	7/27/95	ND	ND	ND	ND	ND	ND	890	2800	2'
5ATB2-10	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
5ATB2-11	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
5ATB2-12	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
5ATB2-13	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
5ATB2-14	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
5ATB2-15	7/27/95	ND	ND	ND	ND	ND	ND	17	78	4'
5ATB2-16	7/27/95	ND	ND	ND	ND	ND	ND	30	130	4.5'
5ATB2-17	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
5ATB2-18	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
5ATB2-19	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
5ATB2-20	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4.5'

* Number refers to HLA plate and tank battery numbers and sample numbers. See HLA plates in report for location.

** Highlighted columns indicate analytes above CRWQCB, Los Angeles Region screening levels for soils 40-150 feet above groundwater. Screening levels for groundwater depths less than 40 feet were applied to TB-4.

Detection Limit	1.0	0.005	0.005	0.005	0.015	5.0	5.0	5.0	

10/26/95

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Table 1. Castaic Junction Lab Analysis

(Samples Taken to Identify Clean Soil)

mg/Kg (ppm)

Sample Location *	Sample Date	Volatile Fuel Hydrocarbons	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Extractable Hydrocarbons **			Sample Depth
							C8-C12	C13-C22	C23-C40	
Tank Battery No. 2, (con't.)										
5ATB2-21	8/7/95	ND	ND	ND	ND	ND	ND	18	74	5'
5ATB2-22	8/15/95	1700	ND	1.2	12	9	720	1100	1000	21'
5AATB2-1	9/7/95	ND	ND	ND	ND	ND	ND	ND	ND	10'
Tank Battery No. 3										
6BTB3-1	7/25/95	ND	ND	ND	ND	ND	ND	ND	7.8	2'
6BTB3-1A	8/15/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
6BTB3-2	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
6BTB3-2A	8/15/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
6BTB3-3	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
6BTB3-4	7/25/95	1400	11	2.3	14	22	720	8500	12000	3'4"
6BTB3-5	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
6BTB3-6	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
6BTB3-7	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
6BTB3-8	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
6BTB3-10	7/25/95	ND	ND	ND	ND	ND	ND	ND	8.4	2.5'
6BTB3-11	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	4.5'
6BTB3-12	7/25/95	ND	ND	ND	ND	ND	ND	730	3100	2'
6BTB3-13	7/25/95	ND	ND	ND	ND	ND	ND	410	1700	4'
6BTB3-14	8/7/95	ND	ND	ND	ND	ND	ND	ND	8.3	4'
6BTB3-15	8/15/95	2000	2.6	2.4	12	60	1300	1900	590	13'
6BTB3-16	9/7/95	4.9	ND	ND	ND	ND	10	69	23	32'
6BTB3-17	9/7/95	ND	ND	ND	ND	ND	ND	ND	ND	20'
Tank Battery No. 4										
7TB4-1	7/26/95	2.6	ND	ND	ND	ND	5.5	150	78	6'
7TB4-2	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	2'

* Number refers to HLA plate and tank battery numbers and sample numbers. See HLA plates in report for location.

** Highlighted columns indicate analytes above CRWQCB, Los Angeles Region screening levels for soils 40-150 feet above groundwater. Screening levels for groundwater depths less than 40 feet were applied to TB-4.

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Table 1. Castaic Junction Lab Analysis

(Samples Taken to Identify Clean Soil)

mg/Kg (ppm)

Sample Location *	Sample Date	Volatile Fuel Hydrocarbons	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Extractable Hydrocarbons **			Sample Depth
							C8-C12	C13-C22	C23-C40	
Detection Limit		1.0	0.005	0.005	0.005	0.015	5.0	5.0	5.0	
Tank Battery No. 4, (con't.)										
7TB4-3	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
7TB4-4	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
7TB4-5	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
7TB4-6	8/16/95	ND	ND	ND	ND	ND	ND	ND	ND	10.5'
7TB4-7	8/16/95	ND	ND	ND	ND	ND	ND	ND	ND	6'
Tank Battery No. 5										
8TB5-1	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	6'
8TB5-2	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	2.5'
8TB5-3	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
8TB5-4	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	4.5'
8TB5-5	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	5.5'
8TB5-6	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	3.5'
8TB5-7	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
8TB5-8	7/26/95	ND	ND	ND	ND	ND	ND	ND	8.1	4'
8TB5-9	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
8TB5-10	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
8TB5-11	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
8TB5-12	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
8TB5-13	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	2'2"
8TB5-14	7/26/95	ND	ND	ND	ND	ND	ND	ND	ND	4'2"
Gas Plant Area										
9AGPA-1	8/11/95	1000	1.1	1.9	6	16	430	1900	6100	15'
9AGPA-2	8/11/95	1.1	ND	ND	ND	ND	ND	170	2300	8'
9AGPA-3	8/11/95	3.8	ND	ND	ND	ND	ND	2400	8500	9'
9AGPA-4	8/14/95	ND	ND	ND	ND	ND	ND	360	21000	2'

* Number refers to HLA plate and tank battery numbers and sample numbers. See HLA plates in report for location.

** Highlighted columns indicate analytes above CRWQCB, Los Angeles Region screening levels for soils 40-150 feet above groundwater. Screening levels for groundwater depths less than 40 feet were applied to TB-4.

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Table 1. Castaic Junction Lab Analysis

(Samples Taken to Identify Clean Soil)

mg/Kg (ppm)

Sample Location *	Sample Date	Volatile Fuel Hydrocarbons	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Extractable Hydrocarbons **			Sample Depth
							C8-C12	C13-C22	C23-C40	
Detection Limit		1.0	0.005	0.005	0.005	0.015	5.0	5.0	5.0	
Gas Plant Area, (con't.)										
9AGPA-5	9/7/95	ND	ND	ND	ND	ND	ND	ND	ND	8'
9EGPA-1	8/11/95	ND	ND	ND	ND	ND	ND	ND	130	4'
9EGPA-2	8/11/95	ND	ND	ND	ND	ND	860	320	1300	7'
9EGPA-3	8/11/95	1300	ND	0.7	5.3	40	ND	100	860	15'
9EGPA-4	8/15/95	1400	ND	0.66	ND	3.2	950	2000	820	4'
9EGPA-5	9/7/95	ND	ND	ND	ND	ND	ND	ND	ND	29'
Tank Battery No. 6/7										
TB6/7-1	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4.5'
TB6/7-2	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	2.5'
TB6/7-3	7/27/95	ND	ND	ND	ND	ND	ND	ND	21	2'
TB6/7-4	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
TB6/7-5	7/27/95	ND	ND	ND	ND	ND	ND	ND	17	4'
TB6/7-6	7/27/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
9D-TB6/7-6	8/7/95	ND	ND	ND	ND	ND	ND	ND	5.6	3'
Flare Station										
9B-FS-1	8/7/95	ND	ND	ND	ND	ND	ND	280	1500	6.5'
9B-FS-2	8/7/95	ND	ND	ND	ND	ND	ND	7.8	73	3'
Tank Battery No. 8										
10TB8-1	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	2.5'
10TB8-2	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	5'
10TB8-3	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	2'
10TB8-4	7/25/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
10TB8-5	7/26/95	350	ND	ND	1.5	3.8	64	6100	11000	7'

* Number refers to HLA plate and tank battery numbers and sample numbers. See HLA plates in report for location.

** Highlighted columns indicate analytes above CRWQCB, Los Angeles Region screening levels for soils 40-150 feet above groundwater. Screening levels for groundwater depths less than 40 feet were applied to TB-4.

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Table 1. Castaic Junction Lab Analysis

(Samples Taken to Identify Clean Soil)

mg/Kg (ppm)

Sample Location *	Sample Date	Volatile Fuel Hydrocarbons	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Extractable Hydrocarbons **			Sample Depth
							C8-C12	C13-C22	C23-C40	
Detection Limit		1.0	0.005	0.005	0.005	0.015	5.0	5.0	5.0	
Tank Battery No. 8, (con't.)										
10TB8-5A	8/15/95	2.8	ND	ND	0.005	0.031	ND	230	1300	7'
10TB8-6	7/26/95	1.3	ND	0.0076	0.0072	0.048	8	78	110	1.5'
10TB8-6A	8/15/95	ND	ND	ND	ND	ND	ND	ND	ND	1.5'
10TB8-7	9/7/95	ND	ND	ND	ND	ND	ND	ND	7.8	20'
10TB8-8	9/8/95	ND	ND	ND	ND	ND	ND	ND	ND	10'
Round House 15										
11B-RHT-1	8/7/95	ND	ND	ND	ND	ND	ND	ND	5.6	3'
11B-RHT-2	8/7/95	ND	ND	ND	ND	ND	ND	ND	5.4	4'
11B-RHT-3	8/7/95	ND	ND	ND	ND	ND	ND	ND	ND	4'
11B-RHT-4	8/7/95	ND	ND	ND	ND	ND	ND	ND	ND	2.5'
11B-RHT-5	8/7/95	280	ND	0.043	0.092	0.58	210	1800	3100	12'
11B-RHT-6	8/14/95	ND	ND	ND	ND	ND	ND	ND	ND	1'
11B-RHT-7	8/14/95	ND	ND	ND	ND	ND	ND	ND	ND	1.5'
11B-RHT-8	9/7/95	ND	ND	ND	ND	ND	ND	5.4	5.9	27'
Equipment Storage Area										
11C-ESA-1	8/7/95	250	ND	ND	0.099	0.46	390	1100	ND	2.5'
11C-ESA-2	9/7/95	ND	ND	ND	ND	ND	ND	ND	ND	8'
11C-ESA-3	9/7/95	ND	ND	ND	ND	ND	ND	ND	ND	8'
Condensate Tank										
3CT-1	8/11/95	ND	ND	ND	ND	ND	ND	ND	11	2.5'

* Number refers to HLA plate and tank battery numbers and sample numbers. See HLA plates in report for location.

** Highlighted columns indicate analytes above CRWQCB, Los Angeles Region screening levels for soils 40-150 feet above groundwater. Screening levels for groundwater depths less than 40 feet were applied to TB-4.

Detection Limit	1.0	0.005	0.005	0.005	0.015	5.0	5.0	5.0

ND - Non-present above stated limit of detection.

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VOLUME 2

PHASE I ENVIRONMENTAL SITE ASSESSMENT

OF

PROPOSED THE MESAS EAST
VALENCIA, CALIFORNIA

FOR

GATZKE DILLON & BALLANCE LLP

BA ENVIRONMENTAL
A Division of Building Analytics

File No. 104229
February 2005

APPENDIX C:

Previous Environmental Reports (Continued)

EXXON COMPANY, U.S.A.
POST OFFICE BOX 3116 • MIDLAND, TEXAS 79702-3116

MIDLAND PRODUCTION ORGANIZATION
OPERATIONS SUPERINTENDENT

August 20, 1996

Mr. John R. Frye
Vice President - Agriculture
Newhall Land and Farming Company
23823 Valencia Boulevard
Valencia, California 91355-2194

Dear John:

Enclosed is a copy of the closure report for the Castaic Junction Oil Field for your review and files. This report was prepared to provide an update of remediation and site restoration activities conducted at the Castaic Field.

Significant remediation and site restoration activities have been conducted to restore the lease per our "Quitclaim and Surrender of Oil and Gas Lease" dated April 6, 1995. All oil wells, surface facilities and pipelines have been abandoned. We have made extensive efforts to identify and remedy any known impacts from our operations.

Exxon will continue to finalize its lease restoration activities. Very limited work remains to be done. A follow-up report will follow this submittal upon final site closure.

We have enjoyed working with Mr. Keith Abercrombie in a joint effort to reach a mutually agreeable property transfer.

Please call me at (915) 688-6702 if you would like to discuss this submittal.

Sincerely,

J. J. Sandy III

PGM:mym
Enclosure
7\cstcrsub.ltr

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CLOSURE REPORT

CASTAIC JUNCTION OIL FIELD

JULY, 1996

EXXON COMPANY, U.S.A.
MIDLAND PRODUCTION ORGANIZATION
P.O. BOX 1600
MIDLAND, TEXAS 79702

Prepared by:

Phillp G. Marquez, REA
Senior Regulatory Specialist
Exxon Company, USA

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TABLE OF CONTENTS

CLOSURE REPORT

TABLE A ANALYTICAL SUMMARY

TABLE B Los Angeles Regional Water Quality Control Board Interim Guidance

FIGURES

APPENDIX A SITE PHOTOGRAPHS

APPENDIX B PHASE II REPORT

APPENDIX C DEL MAR ANALYTICAL REPORTS

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CLOSURE REPORT

CASTAIC JUNCTION OIL FIELD

JULY 1996

This report is being prepared to update the status of remediation and site restoration activities conducted at Exxon's Castaic Junction oil field located in Valencia, California in northern Los Angeles County. This report addresses areas identified in the "Castaic Junction Site Abandonment Phase 1 - Final Report" prepared by Exxon's Downtown Production Organization (DPO) dated October, 1995.

Also included in this report as Appendix B is a memorandum report prepared by Jack A. Rickner dated May 16, 1996 which is the final report on the Phase II investigation of the Castaic Junction site abandonment. The Appendix B report includes: a summary of the Phase II findings; a report by MSE documenting the result of soil borings to evaluate environmental condition of the site and determine depth to ground water; a summary of analytical data; and elevation data.

The following are specific areas that were investigated and major activities that occurred as part of the field site restoration:

- Tank Battery 2
- Tank Battery 3 and TB 3 Culvert
- Tank Battery 4 sump
- Tank Battery 5
- GP-17 sump
- Flare sump
- Drill site pit investigation
- Lease road removals
- Well site restoration

Two additional areas requiring additional work have been identified: a pit located in the former location of two glycol reboilers on the western slope of the hillside west of the former office location; and a partially buried debris collection area located down slope southwest of Well NL&F 11. Site restoration plans are currently being developed for these two sites and will be addressed in a subsequent report.

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SITE RESTORATION STRATEGY

There are multiple regulatory agencies which could have jurisdiction over lease abandonment and site restoration activities in California, including the Regional Water Quality Control Board (RWQCB), the Division of Oil and Gas, the Department of Toxic Substance Control (DTSC) and the County of Los Angeles Fire Department. In addition, there are land owner expectations which may be contained in lease agreements and/or quitclaim and surrender of lease documents.

The lead agency for oil production activities in California is the Division of Oil and Gas (DOG). The Castaic Junction field is located in DOG's Ventura District 2. DOG regulations basically state that upon abandonment, all excavations shall be back filled and compacted, cleared of equipment, trash or other waste materials and returned to as near a natural state as practicable. "Sumps shall be closed in accordance with Regional Water Quality Control Board and Department of Toxic Substance Control Requirements (Title 14 Section 1776 (b))." Access roads to well locations are not covered by DOG regulations unless conditions create hazards or interfere with natural drainage.

Upon review of applicable regulations, the DOG and lease requirements do not address specific clean up criteria in determining site restorations. The DTSC primarily deals with hazardous waste site clean ups. Analytical testing has shown that tank bottoms and crude oil impacted soils in the Castaic field are non-hazardous per California Title 22 criteria. Exxon has tailored its clean up to meet or exceed Los Angeles RWQCB "Interim Guidance for Remediation of Petroleum Impacted Sites, Soil Screening Levels." This document establishes varying clean up levels for petroleum impacted sites based on: constituents of concern (Benzene, Toluene, Ethylbenzene, Xylene); total petroleum hydrocarbons (TPH) based on carbon chain distribution; and depth to ground water. TPH levels by carbon chain distribution are based on the assumption that lighter ends (C4-C12) are more mobile in soil that heavier ends (C23+).

Assuming ground water to be level with the Santa Clara River (930 feet above mean sea level), and based on elevation surveys (Figure 1) and hollow stem auger borings at three locations, it has been determined that with the exception of Tank Battery 4, the ground surface of the Castaic field is greater than 40 feet above ground water. Level B clean up levels in the "Interim Guidance" have been followed during lease abandonment activities for consistency and **as a general minimum guide**. However, the analytical summary in Table A indicate that the majority of results were none detect.

Level B applies to sites located within 40 to 150 feet above drinking water and establishes the following criteria: Benzene = .01 ppm; Toluene = 1 ppm; Ethylbenzene = 6.8 ppm; Xylene = 17.5 ppm; TPH: C4-C12 = 100 ppm; C13-C22 = 1,000 ppm and C23+ = 10,000 ppm. A copy of the Interim Guidance document is included in this report as Table B.

SOIL MANAGEMENT

Representative excavated soils and sump locations were analytically tested to verify non-hazardous status per CCR Title 22 criteria. Excavated soils were monitored for volatile organic compound emissions in compliance with South Coast Air Quality Management District Rule 1166. As part of the lease restoration agreement between Newhall Land and Farming (NL&F) and Exxon, it was agreed that the lease roads, with the exception of the main road and spurs designated by NL&F would be excavated. The lease roads were then disked to promote natural revegetation.

Several options were considered for the final disposition of soils and road materials generated during the lease abandonment. These options included landfill disposal, on site thermal treatment, off site recycle, on site bioremediation and on site mechanical treatment. Soils which exceeded 50 ppm VOC were sent off site to Venvirotek's Arvin facility. Venvirotek recycles petroleum impacted soils into daily landfill cover for the Arvin Landfill. Security Paving Company, Incorporated was contracted to crush the asphaltic road materials and other non-hazardous crude impacted soils into Caltrans Class 4 road base material. Approximately 54,000 tons of asphaltic road and shake out materials were recycled into road base by Security. An additional 26,700 tons of sand and concrete were included in the crushing operations to ensure Caltrans Class 4 specifications were met. Total tonnage of Class 4 road base material stockpiled on site with NL&F approval, is approximately 81,000 tons (58,000 cubic yards).

TANK BATTERY SITE REMEDIATION

Previous Phase I and Phase II investigations performed by ES&E (August 1991) and Harding Lawson Associates (August 1992) indicated surface staining and limited near surface crude oil impacted soil both at active tank batteries (TB2, TB 3, TB 5, and TB 8) and inactive, abandoned tank battery sites (TB Corp 1, TB 4 and TB 6/7). Former sump locations were identified in the vicinity of TB 1, TB 2, TB 3 and TB 4. Additional investigations conducted by Exxon further expanded these investigation areas and delineated the vertical extent of oil impacted soils. A remediation plan was developed which called for the excavation of the visually impacted soil within the identified areas of concern. Generally the top two to three feet of soil was removed. If additional visual impacts were identified, the material would be excavated until visibly clean. The sumps identified were excavated until visibly clean.

Representative composite samples were taken for confirmation analysis. Analytical testing was performed by Del Mar Analytical, a California state certified laboratory, to ensure that Level B clean up goals were met. Analytical results of the lease restoration sampling are summarized in Table A. The complete analytical reports are included in Appendix C of this report. Upon completion of the final site excavation, the locations were ripped to promote natural revegetation.

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Several areas identified in the October 1995 Phase 1 report were restored using the general remediation plan. However, analytical data from these sites was not available for inclusion in this report. These areas include: TB 1 and associated gully; TB 2 associated gully and bank; TB5 creek; TB6/7; TB 8; condensate tank; and the Round House area.

The excavated soils from the tank batteries were screened by Denardi Construction and Security Paving Company, Incorporated to separate clean, fine overburden materials from the crude impacted asphaltic materials. The screened crude impacted soils (shake out) were included in Security's road crushing/recycling operations. Three piles of the clean screened materials remain on site: two piles (12,815 cubic yards and 2,940 cubic yards) at tank battery 5 and one 7,614 cubic yard stockpile at tank battery 3. The screened piles have been analytically tested to verify Level B goals. The analytical samples are labeled as TB3-P1A; TB3-P1B; TB5-P1A; TB5-P2A and TB5-P2B.

Tank Battery 2

Upon removal of the top layers of soils, one area of deeper impacted soils was encountered in the vicinity of the former tanks. This area was excavated to approximately 33 feet below ground surface (bgs). On January 26 and 29, 1996, a hollow stem auger rig performed five borings in and around the vicinity of the 33 foot excavation. Soil borings BS-2-1, BS-2-2, BS-2-3, BS-2-4 and BS-2-5 were drilled to depths of 50.5, 40.5, 40.5, 40.5 and 100 feet bgs, respectively. Soil samples were collected at 5 foot intervals from the surface to total depth except for BS-2-5 which was sampled to 35.5 feet bgs. Ground water was encountered at 96 feet bgs in boring BS-2-5. Soils were analyzed for TPH (method 8015 modified), BTEX (method 8020) and TRPH (method 418.1). A summary of the analytical results are found in Appendix B in MSE's report. All analytical data was verified to be below Level B goals.

A sump was located north west of tank battery 2 (Figure 2). This site was previously excavated to visible cleanliness. Additional crude impacted soils were discovered south west of the sump. These soils were excavated and screened. Confirmation sampling of the western wall (TB2- SW) and floor (TB2- SF) of the excavation were none detect for TPH and BTEX with the exception of 8.6 ppm in the C14-C36 range in sample TB-2 SW.

Tank Battery 3

Previous site investigations performed by HLA and DPO identified several areas of deeper (>2 feet bgs) crude oil impacts throughout the tank battery 3 site. A series of trenches was dug as documented in the October, 1995 Phase I Final Report. Upon removal of the top 2 to 3 feet of soil from across the tank battery location, additional excavations were performed to remove visible crude oil impacts including asphaltic materials and dark stained soils. Extensive analytical sampling and testing was performed to verify that Level B clean up goals were met. The locations of the sampling is attached in Figure 3. The analytical data is summarized in Table A.

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Two sumps were identified as indicated in Figures 3, 4 and 5. Sump #1 was excavated to 10 feet bgs. Composite samples were taken of the sump walls at 6 feet bgs and the sump floor at 10 fee bgs. Sump #2 was excavated to 16 feet bgs. A sample was taken at the bottom of the excavation (TB3-616). A summary of the analytical results are found in Table A.

On January 3, 1996, MSE drilled one boring (BS-3-1) in the vicinity of tank battery 3 to determine depth to ground water. The boring was drilled to the point of refusal at 110 feet bgs. Ground water was not encountered. No samples were collected. Descriptions of this boring are contained in Appendix B.

Tank Battery 3 Culvert

An area approximately 400 feet south of the tank battery 3 site was identified for remediation by previous DPO investigations (Figure 6). The impacted area is described in the Phase I - Final Report as approximately 110 feet long by 20 feet wide. The impacted area was excavated to approximately 35 feet bgs. Approximately 2,570 tons (1,835 cubic yards) of excavated soils were recycled off site at Venvirotek's Arvin facility. A composite confirmation sample (TB3-S colvert) was obtained from the bottom of the excavation at 35 feet bgs. The analytical results summarized in Table A are below Level B clean up goals.

Tank Battery 4 Sump

A small sump was identified for excavation and remediation nor east of the former tank battery site (Figure 7). The soils were excavated to visibly clean and composite samples were obtained for analytical testing (TB-4 1W and TB-4 2F as indicated in Figure 8). The analytical results summarized in Table A are below Level B clean up goals.

Flare Sump

Two small sumps (FS #1 and FS #2) were identified north of the location of the former flare stack (Figure 9). The flare was located on the plateau north of the field office. The flare stack site was surveyed at 1123 feet above mean sea level (193 feet above the Santa Clara River). On January 24 and 25, 1996, MSE drilled four soil borings at this site. The maximum depth drilled was 88 feet bgs. Ground water was not encountered. Boring BS-6/7-3 indicated TRPH (EPA Method 418.1) results of 4200 ppm at 20.5 feet bgs and 730 ppm at 25.5 feet bgs. Additional information regarding this investigation is contained in Appendix B. Flare sump #2 was excavated to 24 feet bgs. Two samples were analyzed to verify clean up goals were met (FSW-F1A and FSW-F2A as indicated in Figure 10).

Due to the proximity of the northern slope of the hillside, it was necessary to terrace the excavation in order to reach the identified depths of crude oil impacts. Flare sump #1 was excavated to approximately 33 feet bgs (Figure 11). Approximately 2,470 tons (1,764 cubic yards) of excavated soils was recycled off site at Venvirotek's Arvin facility. The flare sump #1 excavation was partially backfilled with approximately 13 feet of clean soil to allow access c hollow stem auger drilling rig to perform deeper sampling.

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On May 14, 1996, Gregg Drilling drilled a boring to 60 feet below the excavated area. Samples were collected at 10, 20, 25, 30, 35, 40, 50 and 60 feet bgs. The analytical results of the boring are summarized in Table A. All samples were none detect for BTEX and TPH..

GP-17 Sump

The GP-17 sump was identified approximately 70 feet down the eastern slope of the office plateau (Figure 12). The sump was surveyed at 1053 feet above mean sea level (123 feet above the Santa Clara River). The sump was investigated and characterized by DPO on January 30, 1996. Three borings were drilled by MSE. The deepest boring was drilled to 84.5 feet bgs. Ground water was not encountered. TPH levels were 26,000 ppm at 5.5 feet and 17,000 ppm at 30.5 feet in boring BS-GP17-3. Additional information regarding this initial investigation is contained in Appendix B

On March 29, 1996 two trenches were excavated for the purpose of sampling for California Title 22 characteristics. Two composite samples were obtained from each trench (9AGPA #4 and 9AGPA #5). The samples were analyzed for CAM metals, pH, ignitability and aquatic toxicity. All analytical results were non-hazardous.

Several excavations were performed to remove the impacted soils from this location due to the configuration of the sump, its proximity to the adjacent hillside and the direction of impacts (Figures 13, 14 and 15). Clean overburden soils were moved to access the impacted areas. The sump was excavated to approximately 55 feet below ground surface. Approximately 5,630 tons (4,000 cubic yards) of impacted soils were excavated and recycled off site at Venvirotek's Arvin Facility.

Analytical sampling performed on May 20, 1996 revealed two samples (GP17SEWA and GP17EWA) above Level B clean up goals. Additional excavations were subsequently performed. Final closure samples were obtained from June 10 through June 18, 1996. All samples were none detect for BTEX and TPH. A summary of the analytical results are found in Table A.

Cooling Tower Sump

The October 1995 Phase 1 - Final Report identified an area of potential impact at the former glycol tank and heater unit location. The area was trenched to approximately 29 feet bgs. Discoloration appeared to end at approximately 20 feet bgs. During excavation activities, impacts were found to extend beyond 30 feet bgs. A hollow stem auger rig performed two borings on May 24, 1996. Analytical results indicated impacts to approximately 65 feet below the 30 feet excavation. Due to the location of this sump in proximity to the western slope of the hillside and depth of impacts, a site restoration plan is being developed to address the most cost effective and environmentally sound method of remediation. A separate follow up report will document remediation of this location.

Drill Site Pit Investigation

On May 8 and 9, 1996, an investigation was performed on six former drill pits associated with wells #4, 11, 15 and 49. The purpose of the investigation was to determine potential impacts resulting from crude oil production, produced water or drilling fluid deposition during drilling activities. These pits were identified from historic aerial photographs. The pits were used for a short duration during the drilling operations. A back hoe excavated 2 foot wide trenches ranging from 25 to 50 feet long by 5 feet deep. Of the six pits investigated, only two showed shallow crude oil impacts to approximately two feet bgs (WS4B-2 and WS15A-2).

Two pits were identified downslope from well #4. Each pit was trenched. One sample was taken from the northern trench at 5 feet (WS4A-5). The southern trench was sampled at 2 feet (WS4B-2) and 5 feet (WS4B-5). One pit was identified at well #49 and one sample was taken at 5 feet (WS49A-5). Two pits were identified downslope from well #15. Each pit was trenched. One sample was taken from the southern trench at two feet (WS15A-2) and 5 feet (WS15A-5). One sample was taken from the northern trench at 5 feet (WS15B-5). Two pits were identified downslope of well #11 but due to limited accessibility, only the uppermost pit was investigated. One trench was dug and sampled at 5 feet (WS11A-5).

The trenches were sampled and tested for electrical conductivity, pH, sodium absorption ratio, BTEX and CAM metals. All analyses were determined to be non-hazardous per California Title 22 criteria. All BTEX and TPH readings were within Level B clean up goals. A summary of the analytical results for BTEX and TPH are found in Table A. No significant impacts were noted. The crude impacted soils encountered in pits associated with wells 4 and 15 were weathered, inert hard pan material. No free oil was observed.

This investigation indicated that no concerns exist with regard to former drill pits. Impacts were very shallow and localized, weathered, posed no threat of migration nor any health risks and were within Level B clean up goals. No additional investigations or remediation activities are planned.

Well Site Restoration

All oil, gas and injection wells were plugged and abandoned in accordance with California Department of Conservation, Division of Oil, Gas and Geothermal Resources regulations. The final well plugging and site restoration were witnessed and approved by DOG inspectors. Upon completion of the well plugging operations, the excavations were back filled with clean material and compacted. The surface area surrounding the well sites were ripped to promote natural revegetation.

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CONCLUSION

Upon completion of the remediation of the aforementioned cooling tower sump and the debris collection area, Exxon will have complied with all lease clean up requirements with respect to this subject site. The restoration of all impacted areas will be complete and no further work is planned.

We have described the rationale that we have used in approaching our remediation and restoration activities. Please note, however, that we cannot undertake to advise you of what legal requirements may be imposed with regard to such remediation and restoration, and with regard to your use of the property in the future.

TABLE A

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TABLE A.
CASTAIC JUNCTION CLOSURE REPORT LAB ANALYSIS
mg/Kg

Sample I.D.	Sample Date	Sample Depth (ft.)	C6-C12 Volatile Fuel HC	Benzene	Toluene	Ethyl-Benzene	Total Xylene	8015 (m) Extractable HC		
								C8-C12	C13-C24	C25-C40
Tank Battery 3										
TB3-1H	3/27/96	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TB3-1L	3/27/96	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TB3-2H	3/27/96	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TB3-2L	3/27/96	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TB3-3H	3/27/96	2	N.D.	N.D.	N.D.	N.D.	N.D.	9.4 (C14-C38)		
TB3-3L	3/27/96	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TB3-4H	3/27/96	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TB3-4L	3/27/96	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TB3-5H	3/27/96	2	N.D.	N.D.	N.D.	N.D.	N.D.	7.4 (C14-C38)		
TB3-5L	3/27/96	4	N.D.	N.D.	N.D.	N.D.	N.D.	9.9 (C12-C32)		
LACT Wall	5/2/96	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	35
LACT Floor	5/2/96	6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7.7	21
Tank Battery 3 Sump										
TB3-CMP	4/4/96	10	26	N.D.	N.D.	N.D.	N.D.	720 (C8-C38)		
6BTB3-S1	3/12/96	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sump Wall	5/2/96	6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sump Floor	5/2/96	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	17	34
TB3-616	3/27/96	16	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
TB 3 - Culvert										
TB3-S Col	4/24/96	35	N.D.	N.D.	N.D.	N.D.	N.D.	1.1	10	8

CONFIDENTIAL

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mg/Kg

Sample I.D.	Sample Date	Sample Depth (ft.)	C6-C12 Volatile Fuel HC	Benzene	Toluene	Ethyl-Benzene	Total Xylene	8015 (m) Extractable HC		
								C8-C12	C13-C24	C25-C40
Screened Soil Piles										
TB3-P1A	4/25/96		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	280	430
TB3-P1B	4/25/96		N.D.	N.D.	N.D.	N.D.	N.D.	9	230	370
TB5-P1A	4/25/96		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	33	160
TB5-P2A	4/25/96		N.D.	N.D.	N.D.	N.D.	N.D.	0.68	15	78
TB5-P2B	4/25/96		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	50	190
Tank Battery 4 Sump										
TB-4 1W	4/4/96	8	N.D.	N.D.	N.D.	N.D.	N.D.	85 (C8-C40)		
TB-4 2F	4/4/96	10	N.D.	N.D.	N.D.	N.D.	N.D.	7.2 (C14-C34)		
Tank Battery 2 Sump										
TB-2 SW	4/5/96	4	N.D.	N.D.	N.D.	N.D.	N.D.	8.6 (C14-)C36		
TB-2 SF	4/5/96	8	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-17 Sump										
GP-17-W-A	5/15/96	35	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP-17-S-A	5/15/96	35	4.1	N.D.	N.D.	N.D.	N.D.	4	21	8
GP 17F2A	5/16/96	40	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP 17F1A	5/16/96	38	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP17SEWA	5/16/96	35	97	0.26	0.22	0.29	0.26	220	720	210
GP17EWA	5/16/96	55	220	N.D.	0.017	0.0093	0.1	250	1100	250
GP175F-A2	6/10/96	35	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP175	6/10/96	49	N.D.	N.D.	N.D	N.D.	N.D.	N.D.	N.D.	N.D.

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mg/Kg

Sample I.D.	Sample Date	Sample Depth (ft.)	C6-C12 Volatile Fuel HC	Benzene	Toluene	Ethyl-Benzene	Total Xylene	8015 (m) Extractable HC		
								C8-C12	C13-C24	C25-C40
GP17 Sump (continued)										
GT Spoil	6/10/96		N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	21	130
GP17E 55	6/11/96	55	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP17EW	6/11/96	55	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP17EB50 E40A	6/12/96	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
GP17 EW35A	6/13/96	35	N.D.	N.D.	N.D.	N.D.	N.D.	1.3	26	13
GP17-E40E FA 55	6/18/96	55	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
EWA 52	6/18/96	52	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
NWA 51	6/18/96	51	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Flare Sump										
FS#1-A	5/2/96	32	N.D.	N.D.	N.D.	N.D.	N.D.	0.88	2.7	1.7
FS#1-B	5/2/96	32	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
FS#1-C	5/2/96	32	2.1	N.D.	N.D.	N.D.	N.D.	7	46	26
FS#1-E	5/2/96	32	6.5	N.D.	N.D.	0.04	0.31	130	180	74
FS#2AF	5/2/96	22	430	N.D.	0.13	0.89	3.2	260	800	540
FS#2AW	5/2/96	18	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
FSW-F1A	5/14/96	24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
FSW-F2A	5/14/96	24	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
FS-10A	5/14/96	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
FS-20A	5/14/96	20	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
FS-25A	5/14/96	25	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

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mg/Kg

Sample I.D.	Sample Date	Sample Depth (ft.)	C6-C12 Volatile Fuel HC	Benzene	Toluene	Ethyl-Benzene	Total Xylene	8015 (m) Extractable HC		
								C8-C12	C13-C24	C25-C40
Flare Sump (continued)										
FS-30A	5/14/96	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
FS-35A	5/14/96	35	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
FS-40A	5/14/96	40	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
50-A	5/14/96	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
FS-60A	5/14/96	60	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Drill Site Pit Investigation										
WSA-5	5/8/96	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
WSB-2	5/8/96	2	N.D.	0.0054	0.012	N.D.	N.D.	N.D.	140	580
WSB-5	5/8/96	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	17	69
WS49A-5	5/8/96	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	6	33
WS15A-2	5/8/96	2	N.D.	0.0085	0.023	N.D.	N.D.	N.D.	150	910
WS15A-5	5/8/96	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	10	60
WS15B-5	5/8/96	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1.8	5.6
WS11A-4	5/8/96	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

TABLE B

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY PETE WILSON, Governo

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INTERIM GUIDANCE FOR REMEDIATION OF PETROLEUM IMPACTED SITES

SOIL SCREENING LEVELS

(November 1994)

SUMMARY

This interim guidance contains numerical soil screening levels for the remediation of petroleum impacted soils. This guidance can be used to determine when a site requires remedial action or to what level a site must be cleaned up and for site closure. This guidance recognizes the differences in types of petroleum constituents and between drinking and non-drinking waters. Site-specific risk assessment and/or fate and transport models with a component of ground water protection considered can still be used for responsible parties to propose alternative soil cleanup levels. However, this guidance is not intended to substitute any site assessment requirements by the Regional Board. This interim guidance will be in effect until the State Water Resources Control Board finalizes the new LUFT manual at which time it will be reviewed for further use.

BACKGROUND

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) created a Water Quality Advisory Task Force with a charge of identifying and recommending ways to reduce the cost of compliance with existing clean water laws without compromising water quality and public health. The Task Force focused its deliberations on a few selected problem areas, one of which was Site Cleanup. Problems identified within this area included the fact that "there is no clear definition of what is clean", and that cleanup expectations were not consistent across all Regional Board programs.

The Task Force also recommended the formation of a Technical Review Committee (TRC), composed of representatives from the private sectors and other governmental agencies, to discuss existing and proposed programs, and to devise cleanup standards in concert with Regional Board staff. In particular:

"Establishing a set of clear and consistent standards for site cleanup should be the first task undertaken by the Regional Board staff and its Technical Review Committee. The Regional Board should establish standards for identifying when a threat or probable threat to ground water has occurred and when a site has been adequately remedied. ... the Regional Board should make every effort to ensure that the standards are consistent across all programs under its jurisdiction, and, whenever possible, consistent with those of other agencies in the Region. The standards should allow the community to use more cost-effective methods, such as risk-assessment approaches, and fate and transport models, where appropriate as means to determine if soil contamination poses a risk to ground water".

Because the majority of the Regional Board caseload involves petroleum-impacted sites, they are addressed separately through this interim guidance, as opposed to including the entire universe of petro-chemical sites (solvents, pesticides, etc.).

OBJECTIVE

The objective of this guidance is to simplify the remediation process by facilitating the selection of site-specific soil cleanup levels for the majority of petroleum-impacted sites in a way that is both protective of water resources yet cost effective. The guidance is intended to encourage prompt cleanups that result in sites being returned to their intended uses.

The guidance is for the cleanup of petroleum-impacted soils only and is not meant to address ground water directly*, or to replace current site assessment requirements. As such, site characterization and assessment must be completed to a sufficient level of detail to understand the contaminants and the spatial extent of impacted soil before the guidance can be applied. The Regional Board intends to close routine petroleum-impacted sites using this guidance. As is presently the case, the closure is subject to land use changes or new information that was not known at the time of closure. However, ground water monitoring may be required if soil contamination linkage to ground water impact had been confirmed.

The attached Table 1 forms the basis for the guidance as it defines the soil screening levels and contains clarifying footnotes. The primary constituents of concern at most petroleum-impacted sites

* = For cleanup of petroleum impacted groundwater, Water Quality Goals For Components Of Petroleum-Based fuels In "MUN" Designated Waters by Regional Board - Central Valley Region (May 1993) is recommended.

are benzene, toluene, ethylbenzene, and xylenes (BTEX). Analysis for lead, other additives, and PAHs (Polycyclic Aromatic Hydrocarbons) shall be performed where warranted based on the product (gasoline, diesel, fuel oil, etc.) found to have been discharged to soil. Since there is not an adequate measure of risk or toxicity for total petroleum hydrocarbons (TPHs) per se, screening levels are given in Table 1 based upon the carbon range numbers of the TPHs. These ranges may be more indicative of the mobility of the material with the lighter ends (C4-C12) being more mobile in soil than the heavier ends (C23+). The table is organized into a matrix of screening "Levels" based on depth to ground water versus classification of ground water.

The screening level values in Table 1 are conservative for the protection of ground water. They are also protective of direct human health exposure pathways (as defined by the USEPA methodology referenced in the ASTM Emergency Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites ES 38-94). Alternative soil cleanup levels may be proposed by a responsible party when supported by the use of risk-assessment approaches and/or fate and transport modeling which include the component of ground water protection (i.e., ground water is considered as a receptor rather than as a pathway). The use of alternative approaches shall be discussed with the Regional Board staff.

PROCEDURES

The use of Table 1 will require:

1. An adequate site characterization/assessment that documents the contaminants of concern, the lateral and vertical extent of soil contamination, the existence of "clean zone" above ground water; and
2. A determination of beneficial use for ground water underlying the site. All Los Angeles Region's ground waters are considered drinking water, unless excluded pursuant to the criteria specified in State Water Resources Control Board (SWRCB) Resolution 88-63 (i.e., TDS>3,000 mg/l, deliverability of <200 gal/day, or pre-existing contamination that cannot reasonably be treated), or unless a site-specific non-drinking water determination is made by Regional Board staff.

A broad range of sample analyses is required for the guidance. BTEX components can be identified using the EPA Method 8020. However, a responsible party may confirm positive benzene results above the screening level with EPA Method 8260 (BTEX only) as the 8020 method may show false positives in certain cases. Initially, TPH levels shall be measured by EPA Methods 418.1 and 8015 (DHS Modified). Method 418.1 measures the total TPH range; however it may also detect non-petroleum related carbon compounds. Therefore,

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method 8015 is needed to identify carbon ranges (e.g., gasoline, diesel, etc.). If the results of these two tests are below the applicable screening level for the C4-C12 range, no other type of TPH test need be run. TPH levels greater than the C4-C12 screening level should be differentiated using GC/MS (Gas Chromatograph/Mass Spectrometry) carbon range methods (hydrocarbon screening or speciation) or EPA Method 8015 (DHS Modified). Most laboratories can give a GC/MS Hydrocarbon speciation across the three desired carbon ranges. Level A in Table 1 requires that the detection limit for benzene be at least 1 µg/kg (ppb).

Site assessment results, proposed screening levels, and confirmation testing results shall be discussed with Regional Board staff. Consideration should be given to historical high water levels at certain sites.

EXAMPLES

EXAMPLE 1:

An underground storage tank was removed at a gasoline station. Gasoline contamination in soil has been confirmed and the lateral and vertical extents of the contamination have been adequately defined. Depth to ground water is 30 feet from the surface. Soil samples obtained at 2 feet and 15 feet below the bottom of the tank excavation showed the following results. TPH as gasoline was identified by EPA Method 8015(Modified).

Sample Depth (ft)	TPH Gasoline (C4-C12)	B	T	E	X
2	360	1.6	9.1	2.9	33
15	39	ND	0.27	0.067	0.23

Reporting Unit: mg/kg

Since ground water is designated as drinking water per Regional Board Basin Plan, Level A in Table 1 applies. The analytical results at 2 feet definitely warrant a soil cleanup action. Since the MCL for benzene is 1 ppb and the detection limit for benzene was reported as 5 ppb for 15 feet sample, no determination can be made regarding the presence of benzene in the 1-5 ppb range in sample at 15 feet. Also because the results of TPH (gasoline) and toluene in 15 feet sample exceeded the table values (Level A), soil cleanup shall be extended to at least 15 feet below the bottom of the excavation.

EXAMPLE 2:

A small area of property for development is impacted by petroleum product. The source has been determined and removed. Testing and analysis in a preliminary assessment indicates approximately 200 cubic yards of soil are impacted extending to a depth of 4' with at least 10' of clean soil below the impacted area. Geologic data from nearby sites indicate a shallow non-drinking wet interval at 50' to 60', and information obtained from the RWQCB Basin Plan indicates the first true drinking water starting at approximately 170'. Significant time delays could endanger the owners business. The owner has several options:

Option 1: Since time is of the essence and the volume of soil impacted is relatively small, the owner may determine the best course of action for his situation is to assume the worst case and immediately cleanup the area to the most conservative

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level. Thus, the Table 1 level A category would become the clean up levels.

Option 2: To determine if a different target level is appropriate, the owner could continue assessment work to verify conditions at his site. This would entail at least one boring through the impacted zone to verify the depth and condition of the first encountered water bearing interval. If the interval was found to be an unimpacted, fresh, deliverable water at 40', then the Level A category would still be clean up level. In this same case if the interval was found at 60', the appropriate category would become Level B. Alternatively, if this new data confirmed that the interval was a non-drinking water, then the owner could propose Level D as the appropriate level to use.

EXAMPLE 3:

When abandoning an oil and gas facility a responsible party (RP) discovers the site soils have been impacted by petroleum some time in the past facility operation. The source has been removed and the site adequately assessed to define the lateral and vertical extent of the impacted area. The impacted area is relatively small and extends to 8' below ground level. The assessment indicates the material is made up of weathered crude oil up to 30,000 ppm TPH and low BTEX levels, with Benzene up to 0.6 ppm. The carbon range analysis indicates an approximate 5/65/30% distribution between the Table 1 carbon ranges (i.e., C4-C12=1500, C13-C22=19500, C23+ = 9000). The assessment also indicates the area is underlain by a shallow perched water interval at 15' extending to approximately 25'. This water was confirmed as a brackish non-drinking water that has not been impacted by the petroleum components. The first true drinking water aquifer is located at approximately 100' and is separated from the shallower water by a 60-80' clay silt interval. Using Table 1, the RP sees that the impacted area is less than 40' to a non-drinking water thus indicating a Level D screening level. As the shallow water has not been impacted this level would be the most appropriate. However, since the impacted area is also between 40' and 150' to a true drinking water interval, Level B should be reviewed as an initial screening level. At this point the RP has several options:

Option 1: Assume the worst case, most conservative screening level. Proceed immediately with cleanup efforts using the Level B (40-150' above drinking water) as cleanup targets.

Option 2: Propose Level D (non-drinking water) screening levels as target based on the predominate mid to heavy TPH range and low BTEX range of the weathered material (low mobility/solubility), the fact that the shallow perched water has not been impacted over time, the distance to the drinking water, and the existence of the clay silt interval below the perched interval.

TABLE 1: SOIL SCREENING LEVELS (mg/kg or ppm)

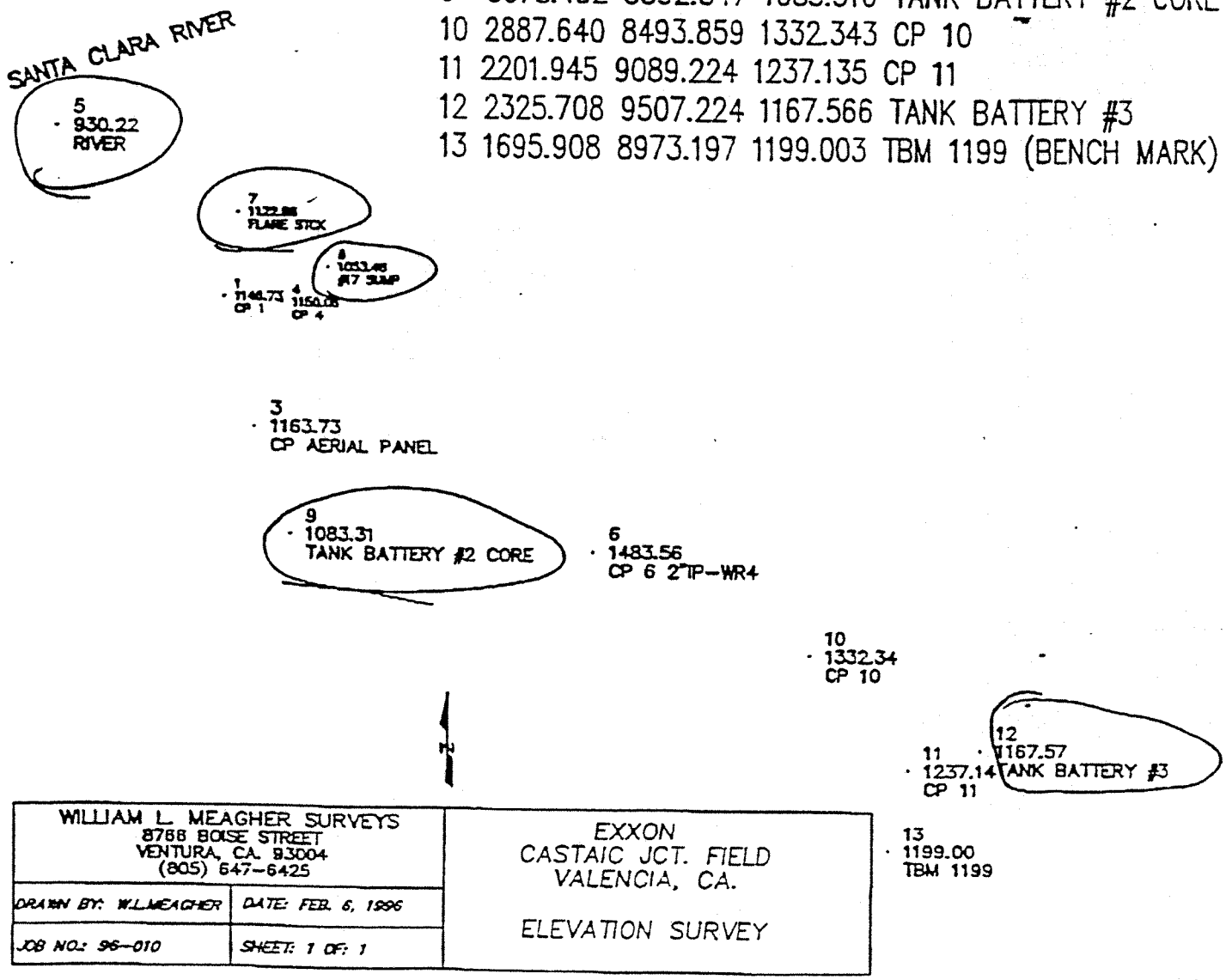
DISTANCE ABOVE GROUND WATER (ft)	<40	40 - 150	>150
ABOVE DRINKING WATER	**LEVEL A**	**LEVEL B**	**LEVEL C**
BTEX + FA	MCL	10MCL	100MCL
TPH			
C4-C12	10	100	1000
C13-C22	100	1000	10000
C23+	1000	10000	10000
ABOVE NON-DRINKING WATER	**L E V E L D (FOR ANY DEPTH TO GROUND WATER)**		
BTEX + FA	100MCL		
TPH			
C4-C12	1000		
C13-C22	10000		
C23+	15000		

MCLs: B=0.001(ppm), T=0.1(ppm), E=0.68(ppm), X=1.75(ppm), Pb=0.015(ppm), EDB=0.02(ppb), PAH=0.2(ppb)

- FA = fuel additives; lead (Pb), ethylene dibromide (EDB), etc., including other components (i.e., PAH) of petroleum products which have MCLs.
- Use of Table 1 assumes the original source has been removed and an adequate site assessment has been completed.
- For BTEX or FA, each component is not to exceed 1, 10, or 100 times its MCL as specified.
- For TPH, the total allowable for each range is not to be exceeded and the overall total is not to exceed the given value for the heavier TPH-(C23+).
- Soil levels below the appropriate Table 1 Level require no action, soil levels above the appropriate Table 1 Level must be remediated to or below provided levels, or a site-specific analysis must be conducted, or justification provided to determine more appropriate levels for an individual site. Ground water monitoring may be required if soil contamination linkage to ground water impact has been confirmed.
- BTEX to be analyzed by EPA Method 8020, or EPA Method 8260 (usually to confirm positive benzene).
- TPH to be analyzed by EPA Methods 418.1 and 8015 (Modified). Ranges of TPH to be analyzed by GC/MS carbon range methods or EPA Method 8015 (DHS Modified).
- Use of Non-Drinking Water Levels are dictated by either water characteristics as defined and exempted under SWRCB Resolution 88-63 (TDS>3000 mg/L, deliverability <200 gal/day, existing contamination that can not be reasonably treated), or as agreed upon by Regional Board staff for use at a particular site.
- Minimum clean interval below impacted area to be determined on a site-specific basis by Regional Board staff, generally 40' above drinking waters and 20' above non-drinking waters.

FIGURES

PT	NORTH	EAST	ELEV	DESC.
1	5000.000	5000.000	1146.730	CP 1 (CP=CONTROL POINT
3	4225.503	5181.617	1163.735	CP AERIAL PANEL
4	4967.406	5331.178	1150.047	CP 4
5	6005.081	4033.445	930.221	RIVER
6	3492.880	7212.580	1483.561	CP 6 2"IP-WR4
7	5500.215	5077.564	1122.857	FLARE STACK
8	5179.529	5602.642	1053.480	#17 SUMP
9	3578.492	5392.347	1083.310	TANK BATTERY #2 CORE
10	2887.640	8493.859	1332.343	CP 10
11	2201.945	9089.224	1237.135	CP 11
12	2325.708	9507.224	1167.566	TANK BATTERY #3
13	1695.908	8973.197	1199.003	TBM 1199 (BENCH MARK)



WILLIAM L. MEAGHER SURVEYS 8766 BOISE STREET VENTURA, CA. 93004 (805) 647-6425		EXXON CASTAIC JCT. FIELD VALENCIA, CA. ELEVATION SURVEY
DRAWN BY: W.L.MEAGHER	DATE: FEB. 6, 1996	
JOB NO.: 96-010	SHEET: 1 OF: 1	

FIGURE 1

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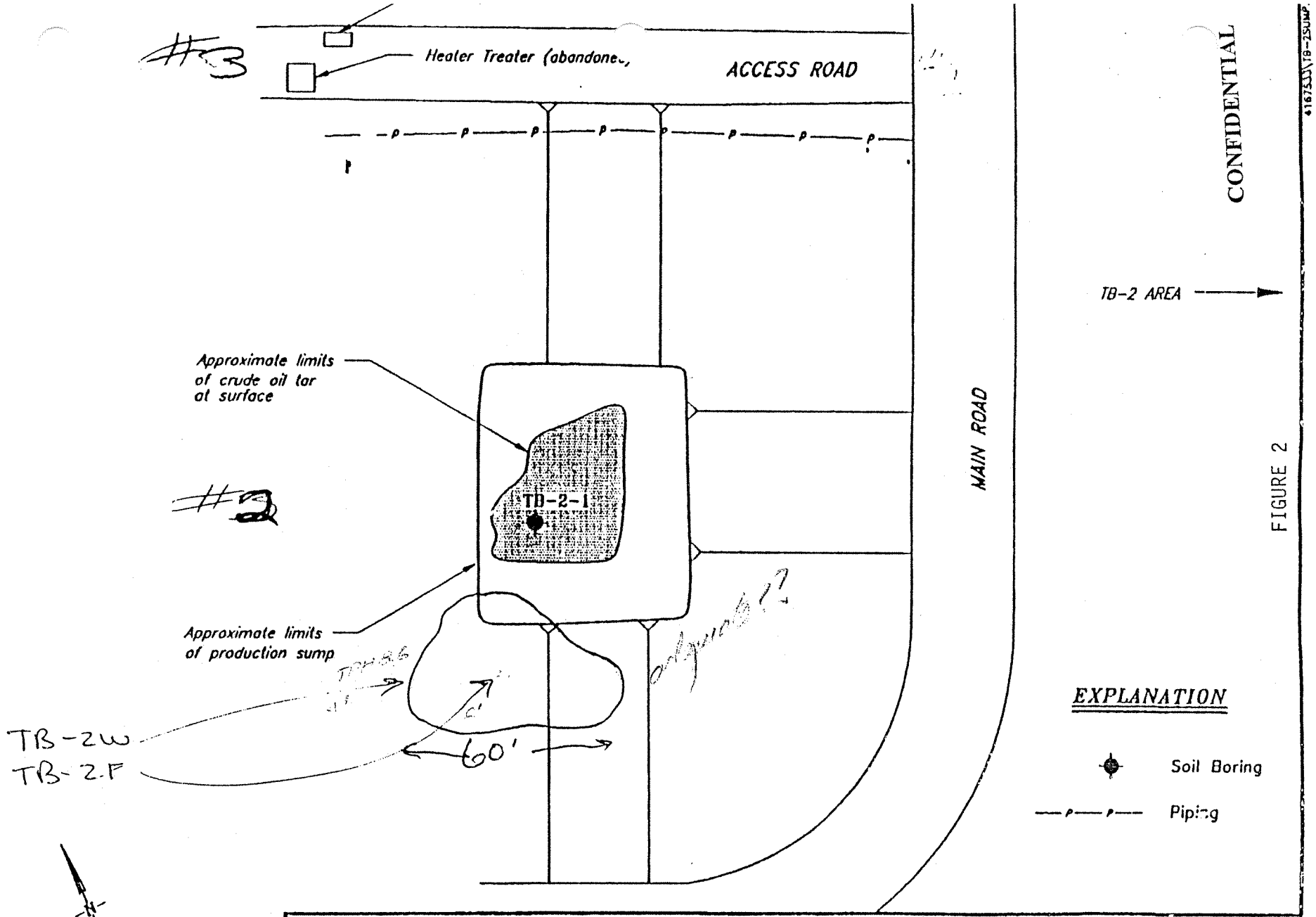

Harding Lawson Associates
Engineering and Environmental Services

TANK BATTERY No. 2
DRILL SUMP DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

DRAWN	NUMBER	APPROVED	DATE	REVISED DATE
JCM	533.16		5/92	

PLATE 5B

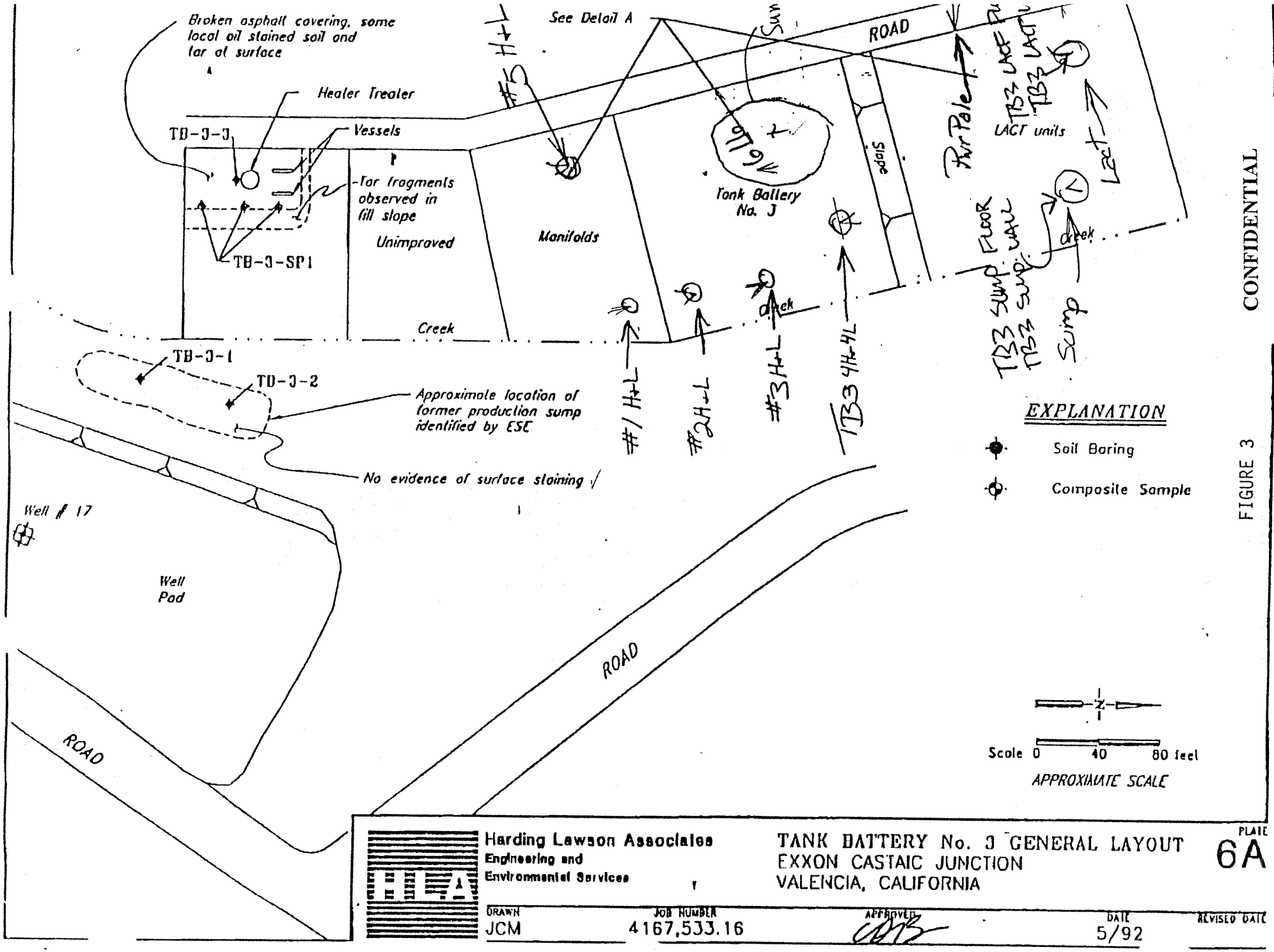

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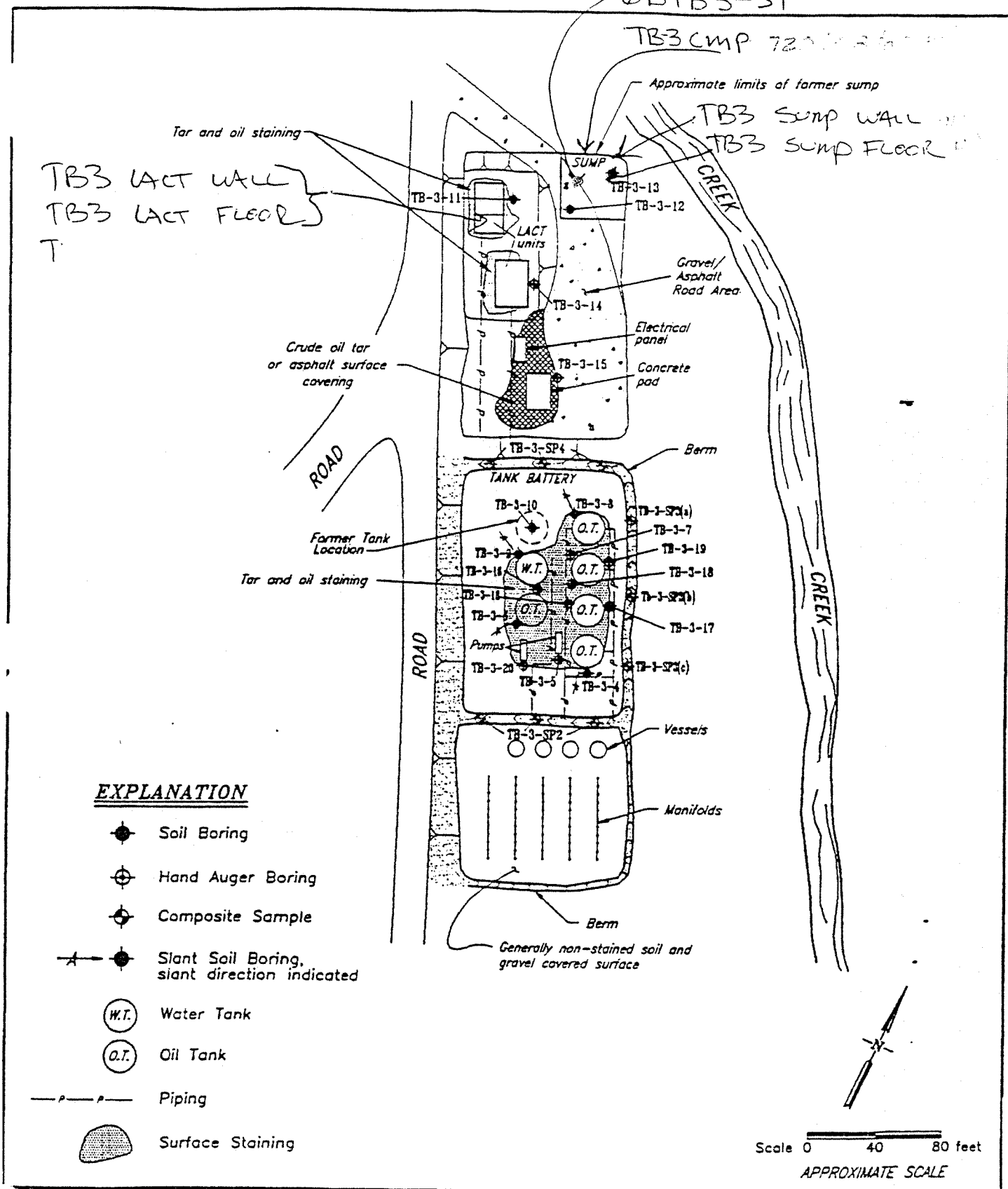
FIGURE 3

Harding Lawson Associates
Engineering and Environmental Services

TANK BATTERY No. 3 GENERAL LAYOUT
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE 6A

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
JCM	4167,533.16		5/92	



Harding Lawson Associates
Engineering and Environmental Services

TANK BATTERY No. 3 DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE 6B

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
JCM	4167,533.16		5/92	

FIGURE 4

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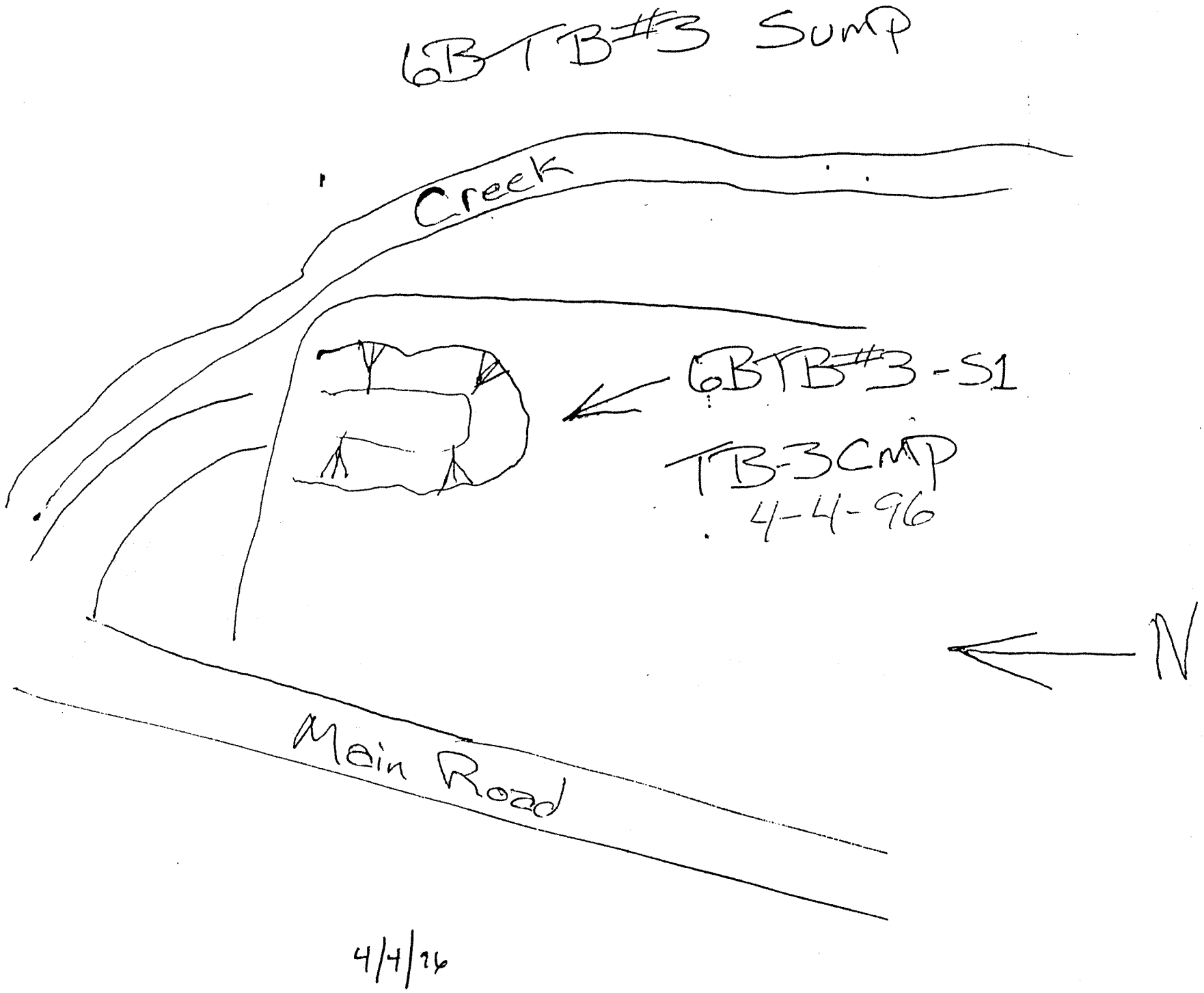

FIGURE 5

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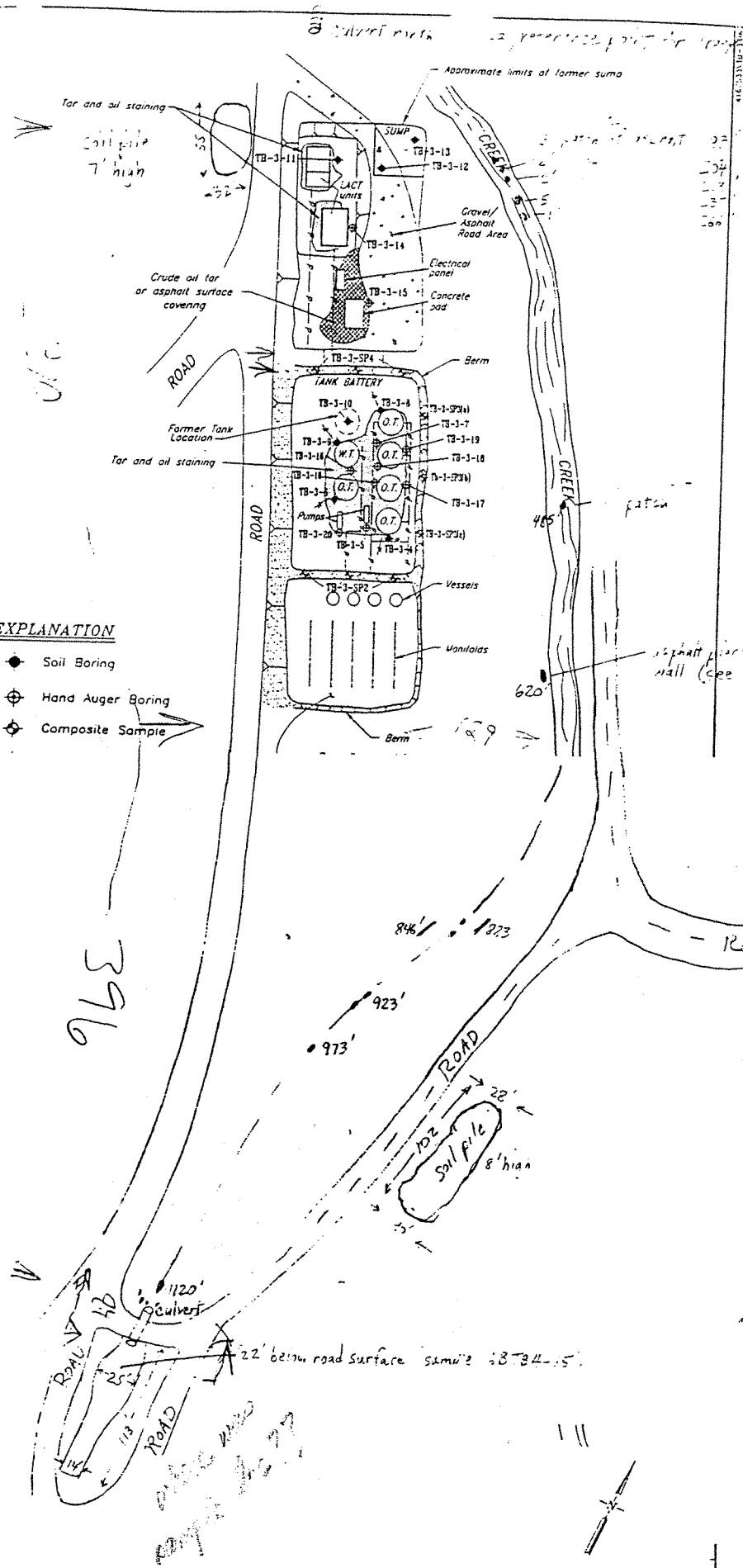

FIGURE 6

Scale 0 40 80 feet
APPROXIMATE SCALE

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Engineering and
Environmental Services

TANK BATTERY No. 3 DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE 6B#2

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
JCM	4167 533.15			

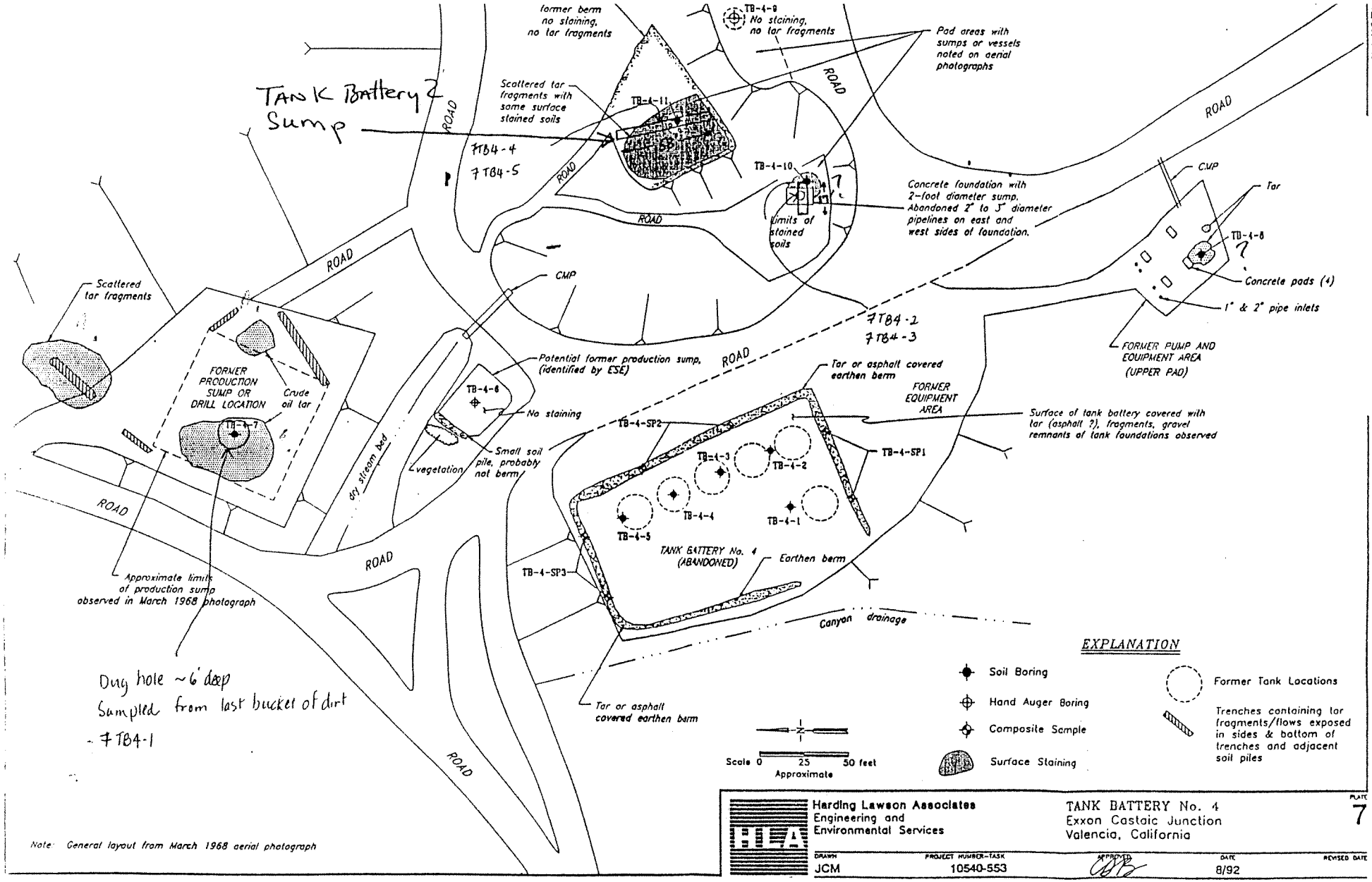

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FIGURE 7

TB#4

TB#4 1W TB#4F

FIGURE 8

CONFIDENTIAL

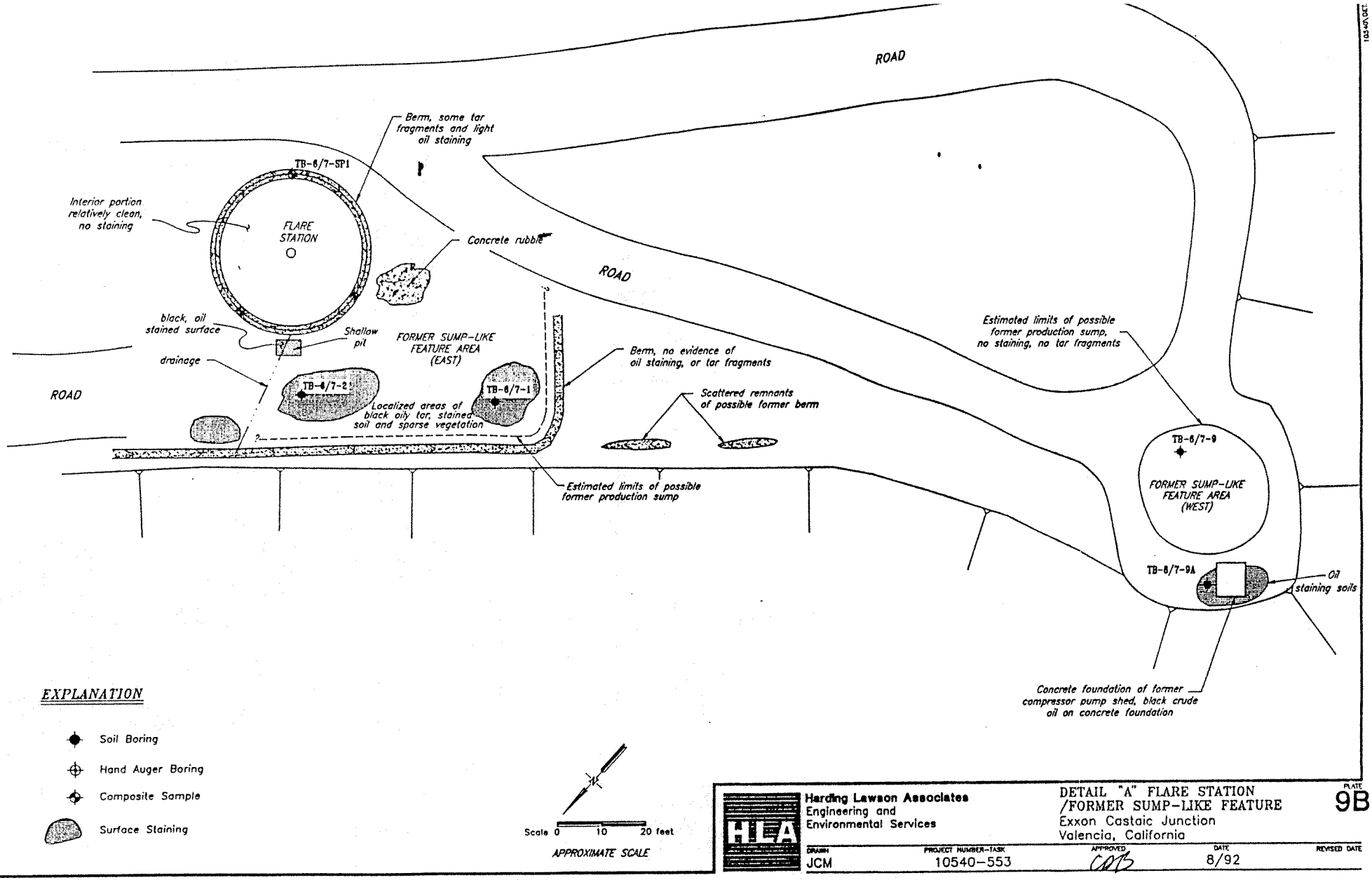

FIGURE 9

Harding Lawson Associates
Engineering and
Environmental Services

DETAIL "A" FLARE STATION
/FORMER SUMP-LIKE FEATURE
Exxon Castaic Junction
Valencia, California

PLATE 9B

DRAWN	PROJECT NUMBER-TASK	APPROVED	DATE	REVISED DATE
JCM	10540-553		8/92	

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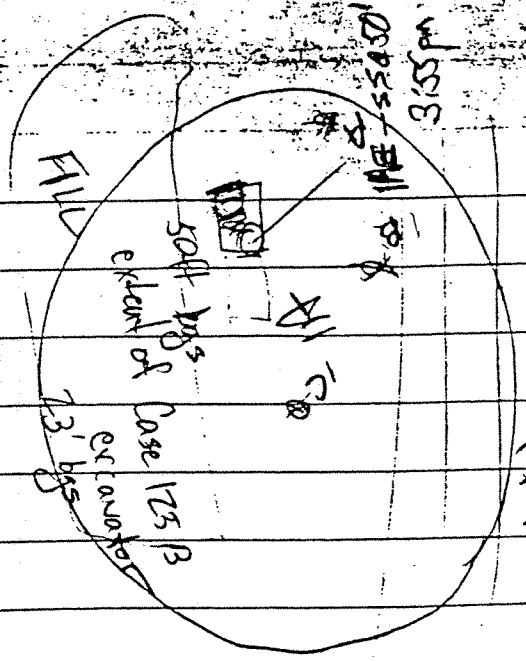
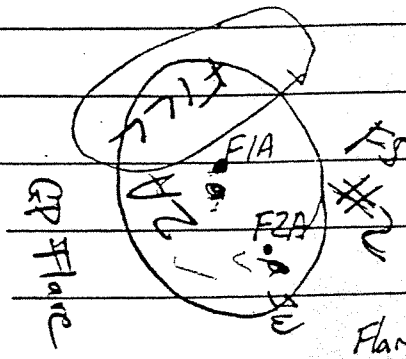
1550 - 1605
5/2/96

1A { 3 Sidewall
1 bottom

2A { 1 Sidewall
1 bottom





Flare Stack

Sample Locations

5/2/96

FIGURE 10

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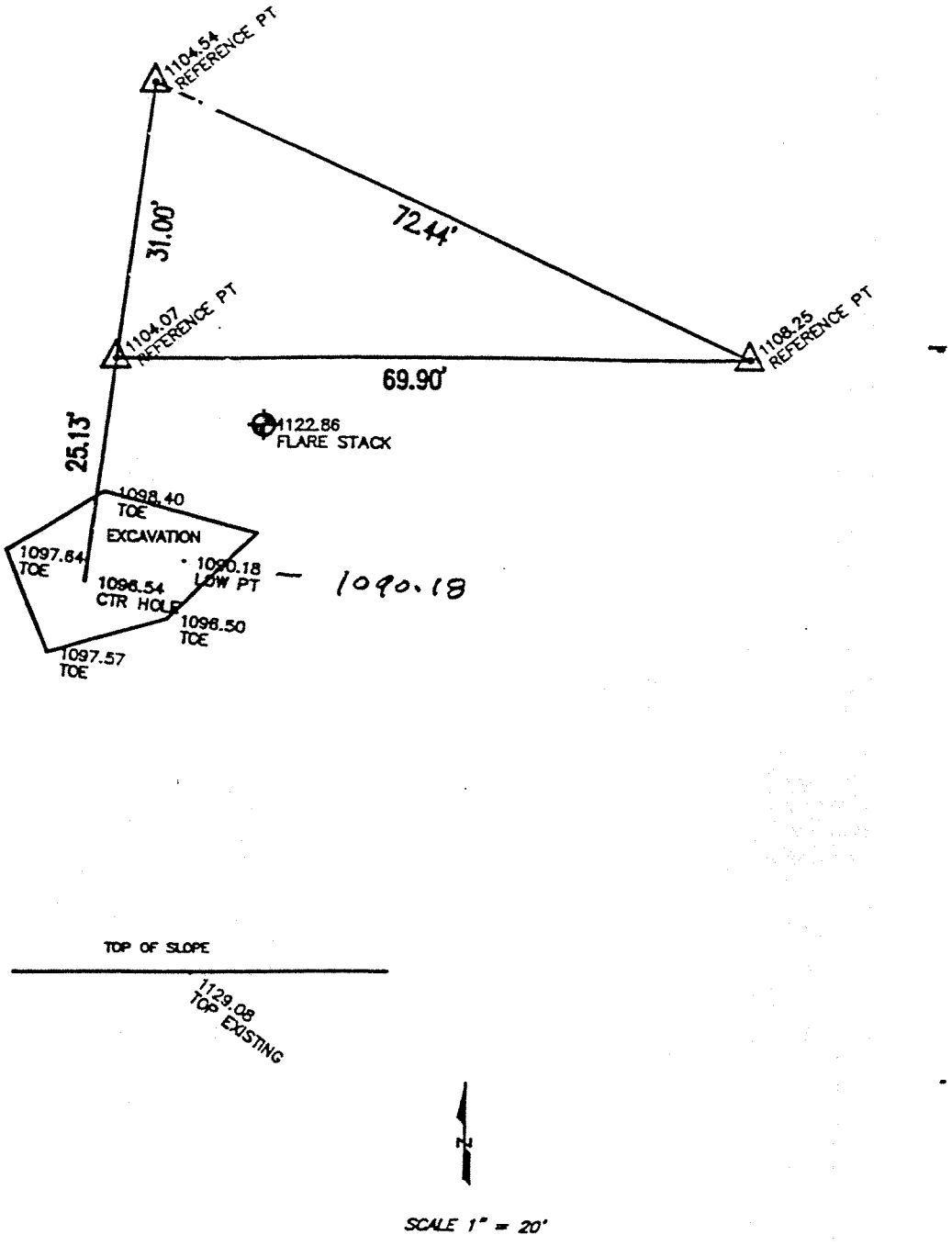
Flare Stack



WILLIAM L. MEAGHER SURVEYS 8766 BOISE STREET VENTURA, CA. 93004 (805) 647-6425	EXXON CASTAIC JCT. FIELD VALENCIA, CA. ELEVATION SURVEY
DRAWN BY: W.L.MEAGHER / DATE: MAY. 2, 1996	
JOB NO.: 96-010 / SHEET: 1 OF: 1	

FIGURE 11

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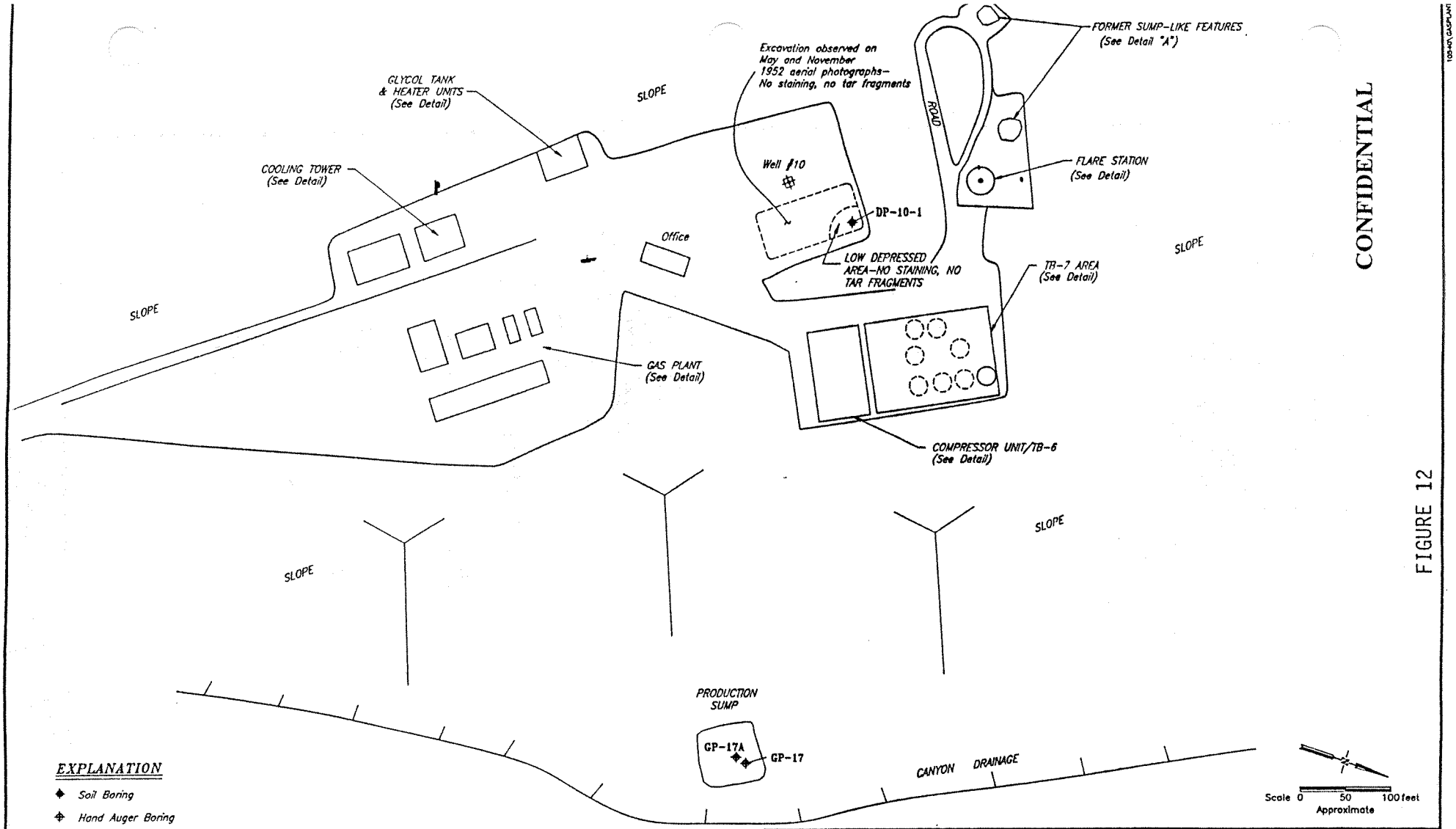

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FIGURE 12

NOTE: General layout per March 1968 Aerial Photograph
shown with modifications from April and July 1992 field mapping by HLA

Harding Lawson Associates Engineering and Environmental Services	GAS PLANT AREA - GENERAL LAYOUT Exxon Castaic Junction Valencia, California			PLATE 9A
DRAWN JCM	PROJECT NUMBER-TASK 10540-553	APPROVED CAB	DATE 8/92	REVISED DATE

10540\GASPLANT

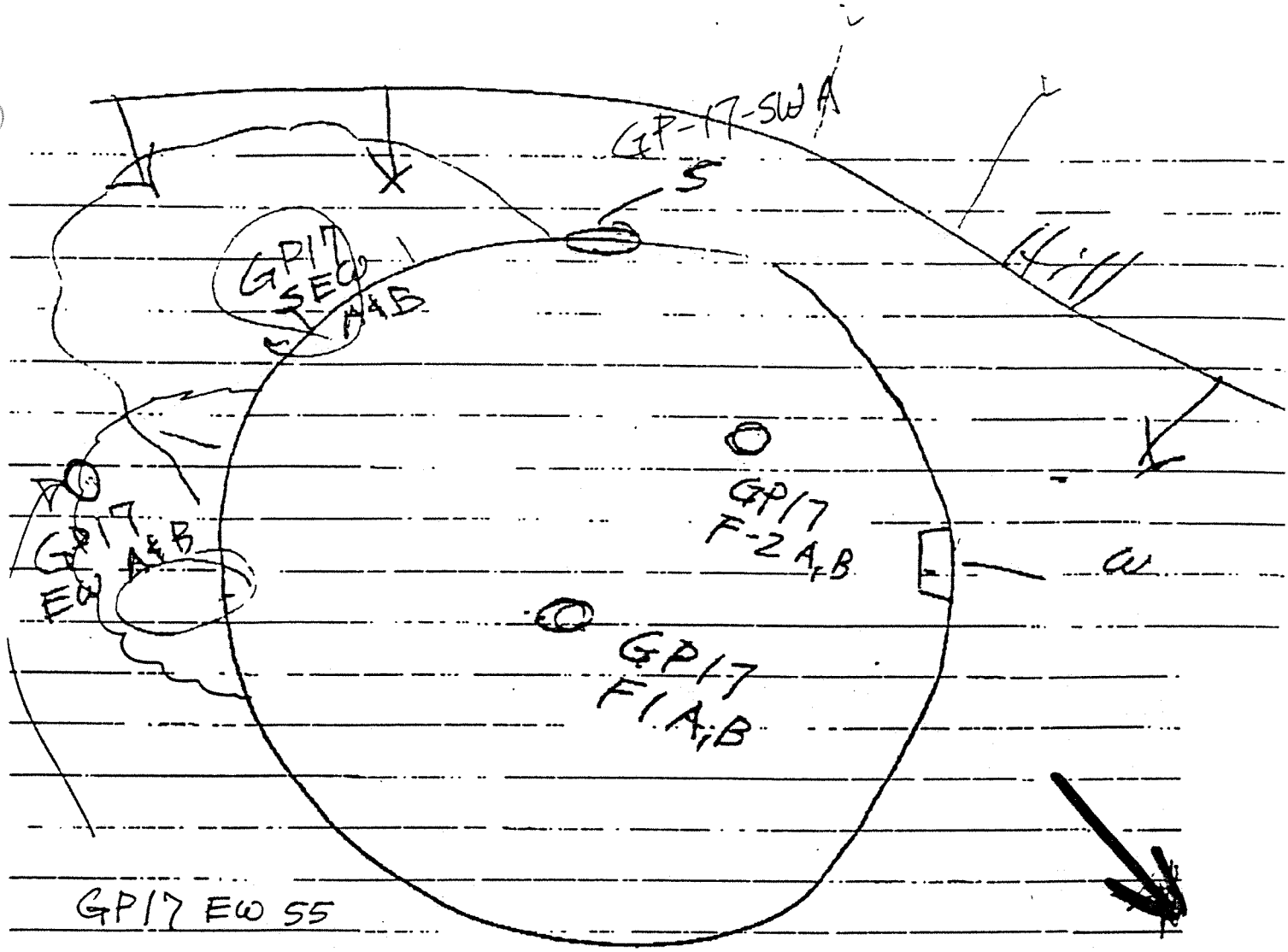

FIGURE 13

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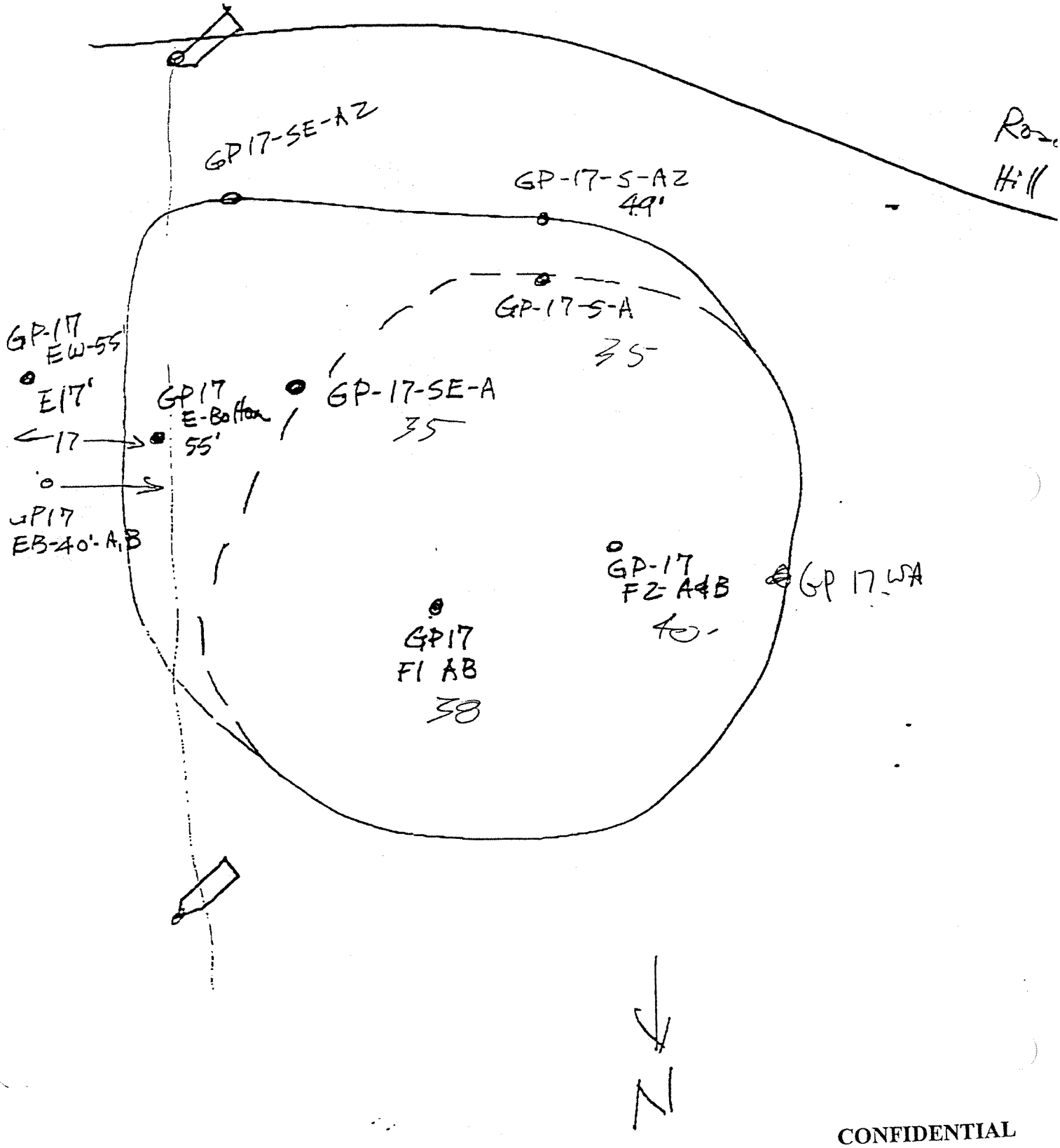

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FIGURE 14

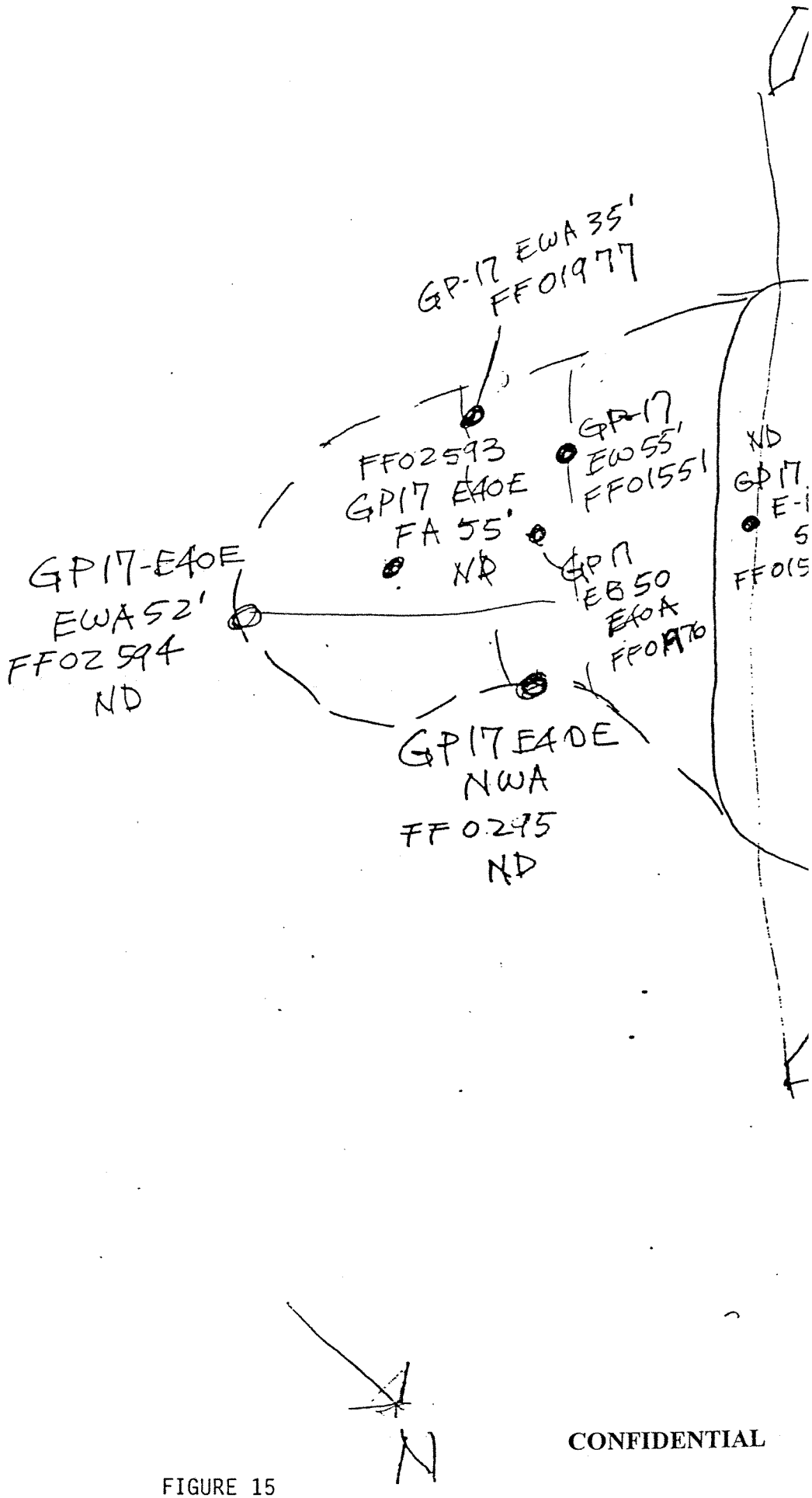

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FIGURE 15

APPENDIX A: SITE PHOTOGRAPHS

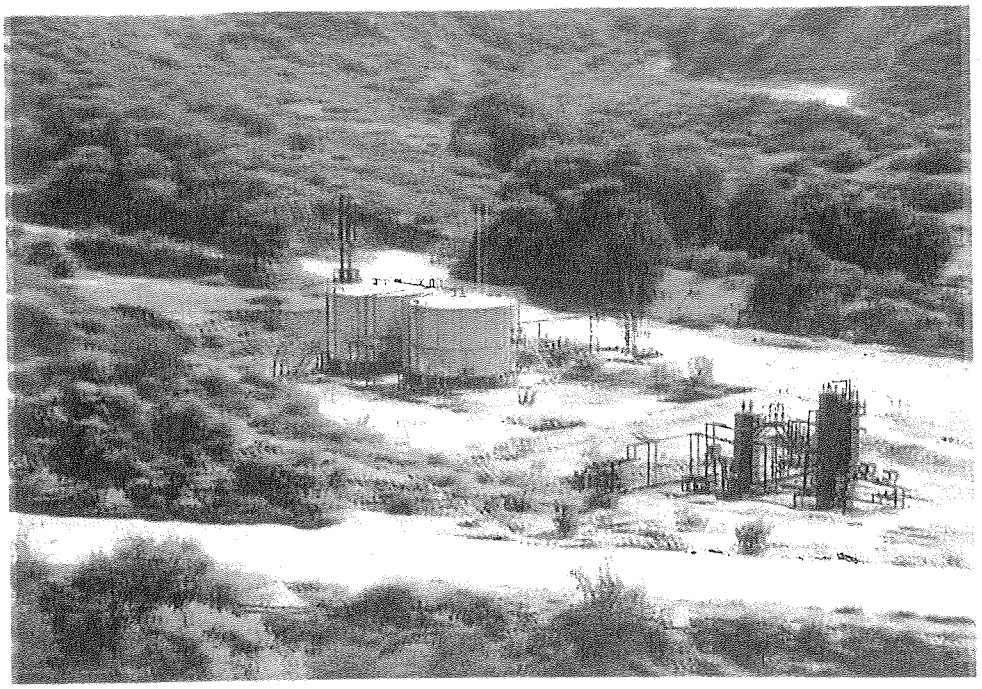

PHOTO #1 TANK BATTERY 2
FEBRUARY 16, 1995

PHOTO #2 TANK BATTERY #2
JUNE 4, 1996

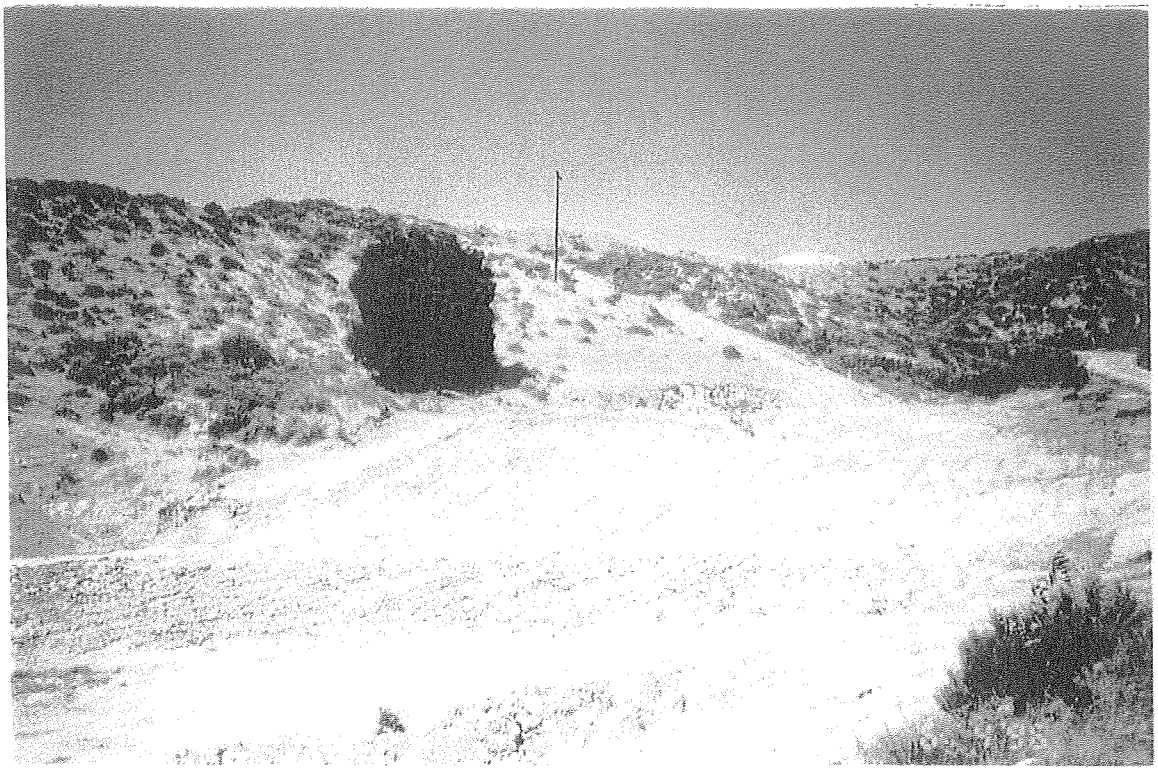

PHOTO #3 TANK BATTERY 2 SUMP
JUNE 4, 1996

PHOTO #4 RESTORED LEASE ROAD
JUNE 4, 1996

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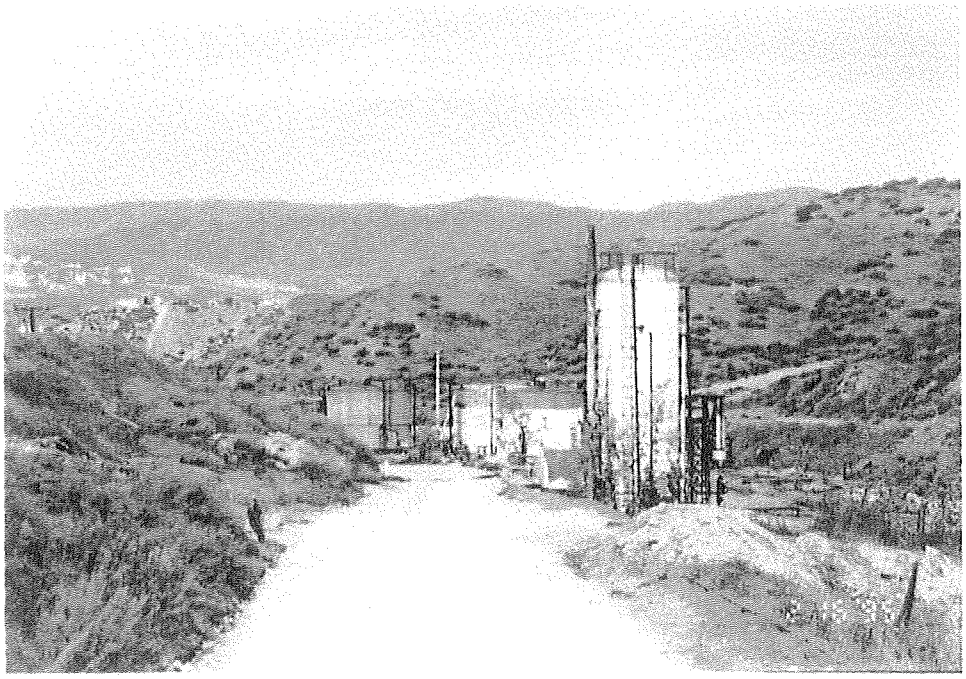

PHOTO # 5 TANK BATTERY 3
FEBRUARY 16, 1995

PHOTO #6 TANK BATTERY 3
JULY 16, 1996

PHOTO # 7 TANK BATTERY 3 CULVERT
JUNE 4, 1996

PHOTO #8 TANK BATTERY 3
JUNE 4, 1996

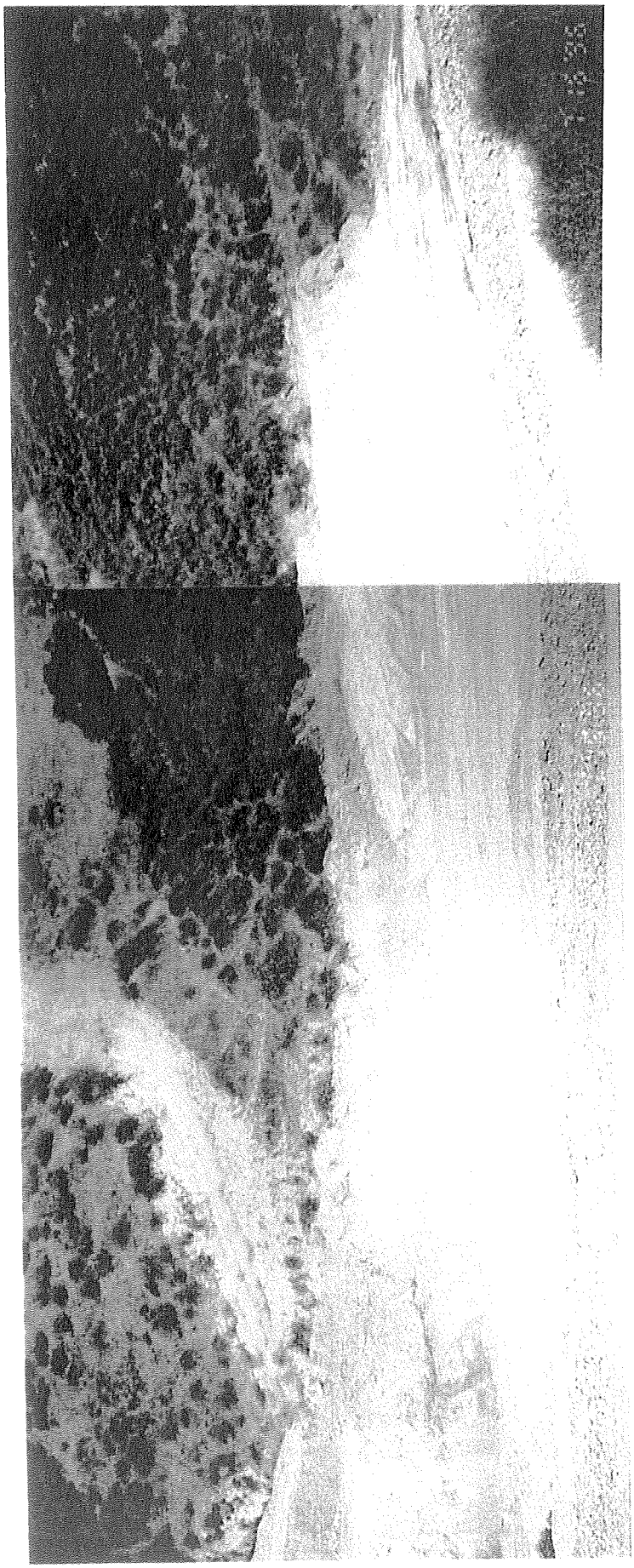

PHOTO #9 TANK BATTERY 3 CULVERT SITE
JULY 16, 1996

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PHOTO # 10 TANK BATTERY 5
FEBRUARY 16, 1995

PHOTO #11 TANK BATTERY 5
JULY 16, 1996

PHOTO # 12 TANK BATTERY 5
MARCH 20, 1996

PHOTO #13 TANK BATTERY 5
JUNE 4, 1996

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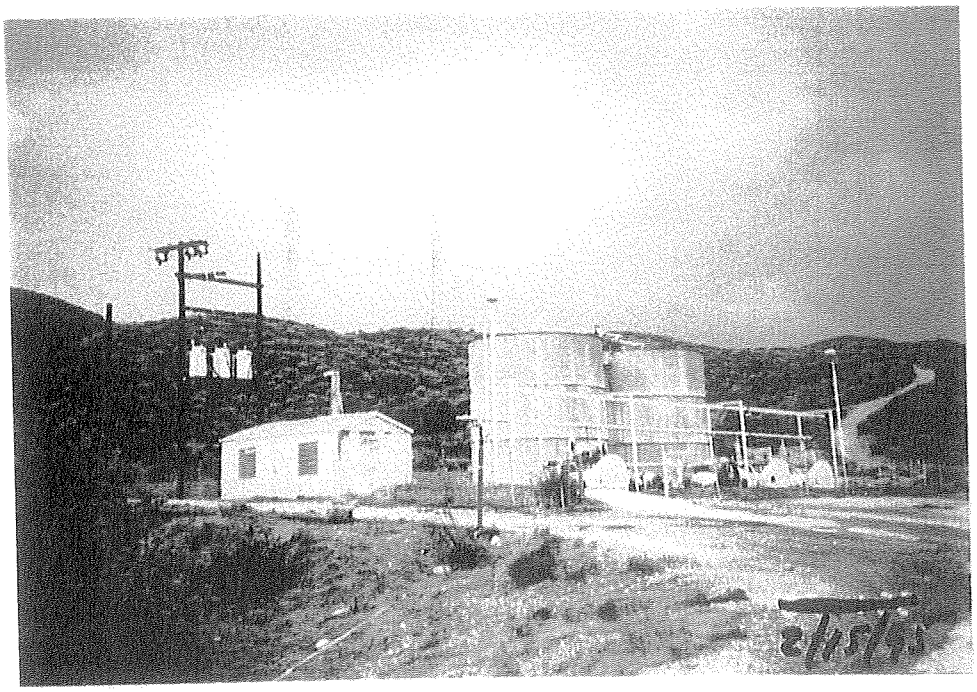

PHOTO # 14 TANK BATTERY 8
FEBRUARY 15, 1995

PHOTO #15 TANK BATTERY 8
JUNE 4, 1996

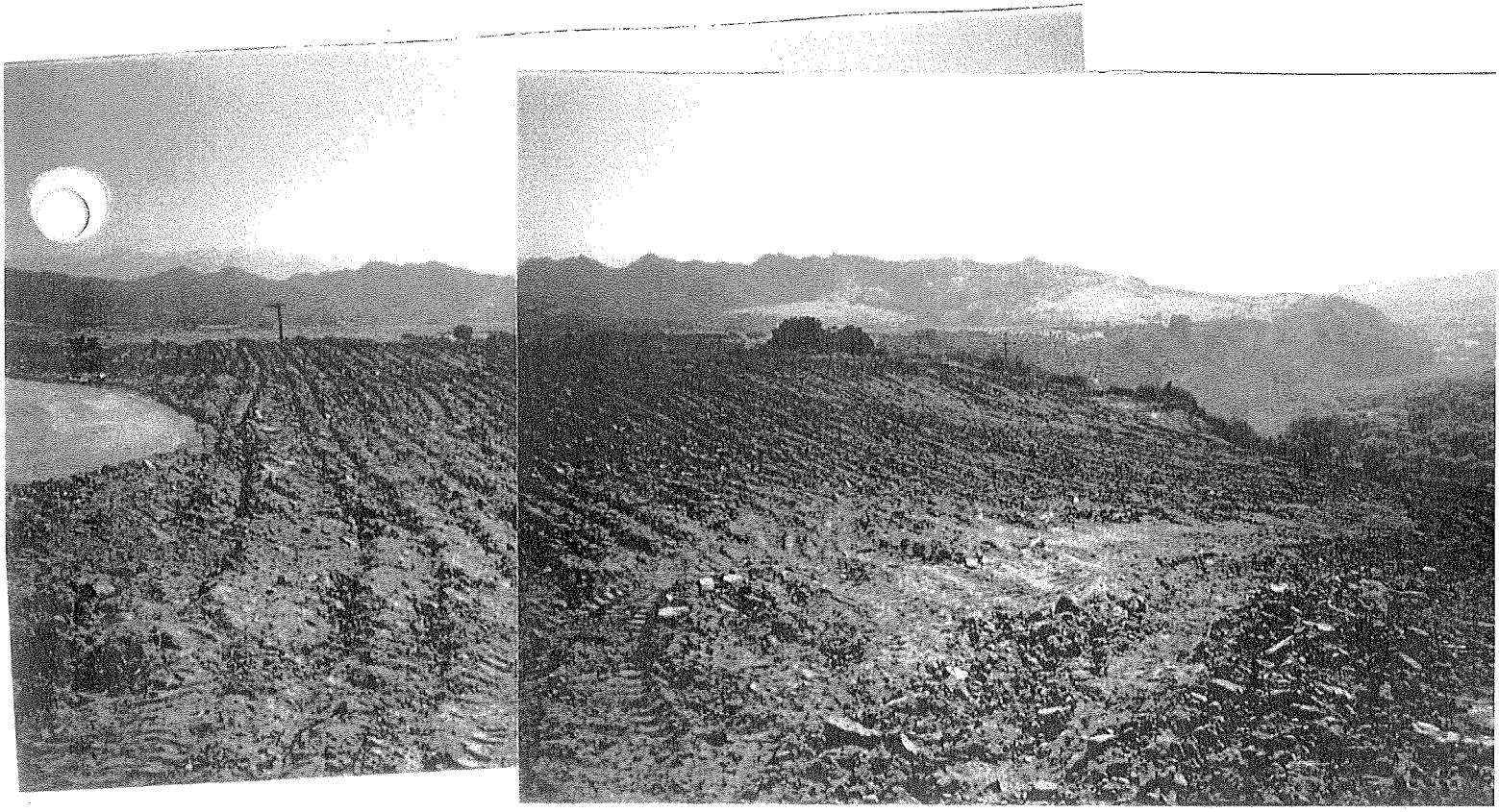

PHOTO # 16 FLARE SUMP SITE
JULY 16, 1996

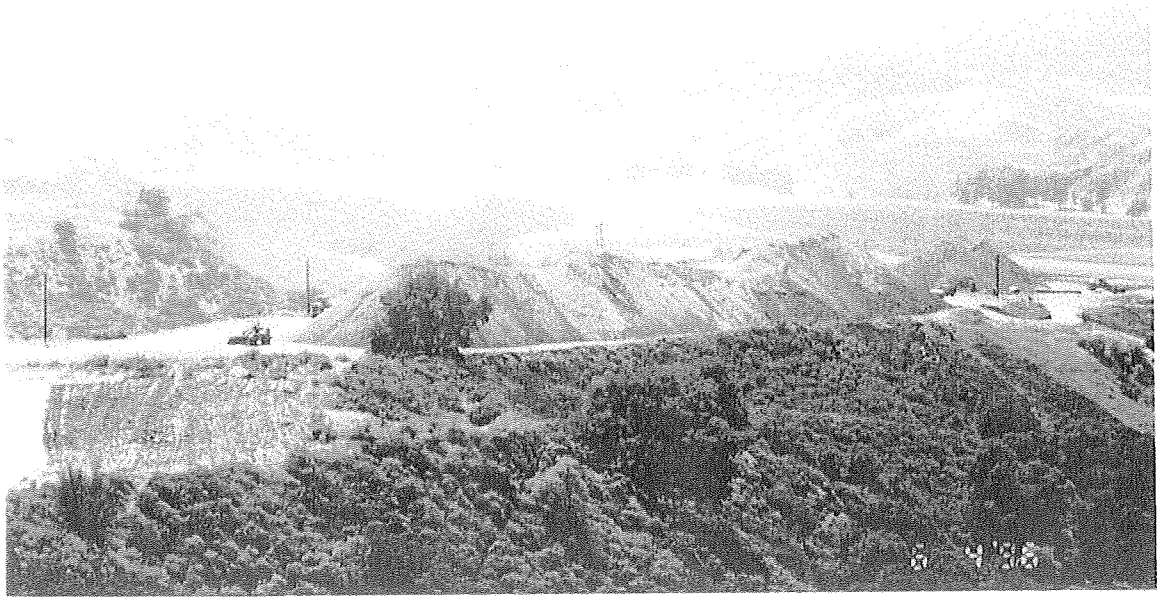

PHOTO #17 ROAD BASE STOCK PILE
JUNE 4, 1996

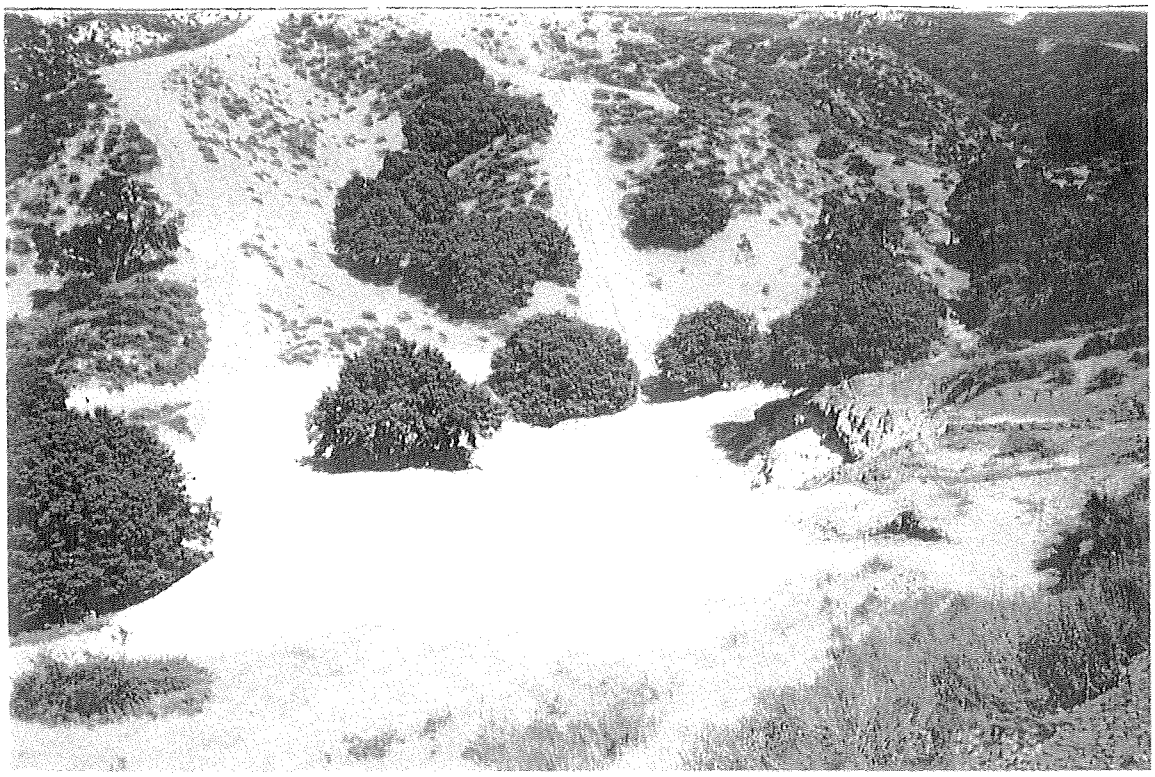

PHOTO #18 GP-17 SUMP SITE
JULY 16, 1996

PHOTO #19 GP-17 SUMP SITE
JULY 23, 1996

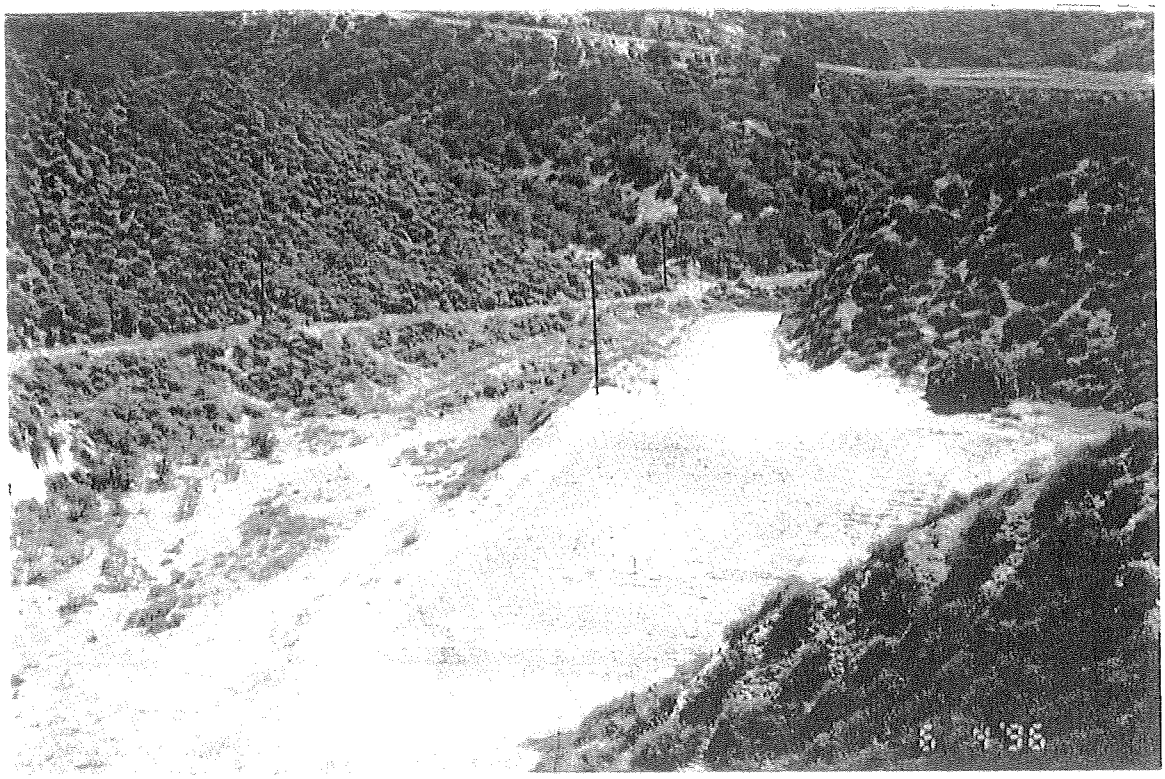

PHOTO # 20 WELL #26 SITE RESTORATION
JUNE 4, 1996

PHOTO #21 WELL #30 SITE RESTORATION
JUNE 4, 1996

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APPENDIX B: PHASE II REPORT

MEMORANDUM

DPO/Operations Integrity

Date: May 16, 1996

To: Mr. Jim Flood

From: Jack A. Rickner

Subject: Castaic Junction Phase II

Enclosed is a copy of Downtown Production Organization's (DPO) final report on the Phase II investigation of the Castaic Junction site abandonment. The following are included:

Attachment A. Summary of the Phase II findings

Attachment B. MSE's report

Attachment C. Del Mar's analytical data

Attachment D. Elevation data

If you have any questions regarding this report, please contact me at (713) 656-0266. If you desire additional assistance assessing other Castaic Field sites, please feel free to call.

JAR:rat
Attachments

c: Mr. S. K. Berry
Mr. P. G. Marquez
Mr. R. O. Storey

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ATTACHMENT A
SUMMARY OF FINDINGS

Field work for Phase II was conducted between January 23 and January 31, 1996. MSE was contracted to conduct 13 soil borings and collect samples. Soil cuttings were field screened for VOC's. Selected samples were field tested for TPH using EPA anlaytical Method 418.1. Boring logs were developed and are presented in the MSE report.

Sites investigated were Tank Battery 6/7 Flare Stack area, Tank Battery 2, Gas Plant Sump 17, and a location near Tank Battery 3. The following is a summary of those findings:

Tank Battery 6/7---Flare Stack Area---Trench 4

- Four bore holes (Attachment 1, HLA sheet 9A) BS-6/7-1,2,3,&4
- Deepest boring to 88 feet, no ground water encountered
- Two sumps located, both north of the trench
- Located HLA #2 bore hole (See Attachment 1) This excavation may go as deep as 20+ feet. This investigation found TPH values of 6100 and 4200 ppm at 15 and 20 feet respectively.
- Recommend excavation of the visually impacted areas at BS-6/7-3 and the visually impacted area between BS-6/7-2 and BS-6/7-1 which is in the area of HLA#2 bore hole noted on Attachment 1. This excavation may also be as deep as 20+ feet. HLA found oil impacted soil measuring 9000 ppm by 418.1 at a depth of 20 feet.
- Note that the radius of influence for both of these sites is probably less than 10 feet.
- Also note that the upper 5 to 10 feet of overburden may be removed since it appears to show little oil impact.
- Given these assumptions, I would estimate that there is approximately 175 cu.yds. of impacted soil in each of the two areas.

Tank Battery 2

- Five bore holes (Attachment 2, HLA Sheet 5A) all located adjacent to and outside the 33 foot excavation pit area. This defined the lateral extent of any possible impact.
- Deepest boring to 100 feet.
- Ground water encountered at approximately 96 feet below grade.
- No samples of concern found in any of the borings.
- It appears that the excavation of the 33 foot deep hole removed the bulk of the impacted soil. Suggest talking to Dave Smith, the excavator, and determine if during the excavation he obtained clean material from the sides

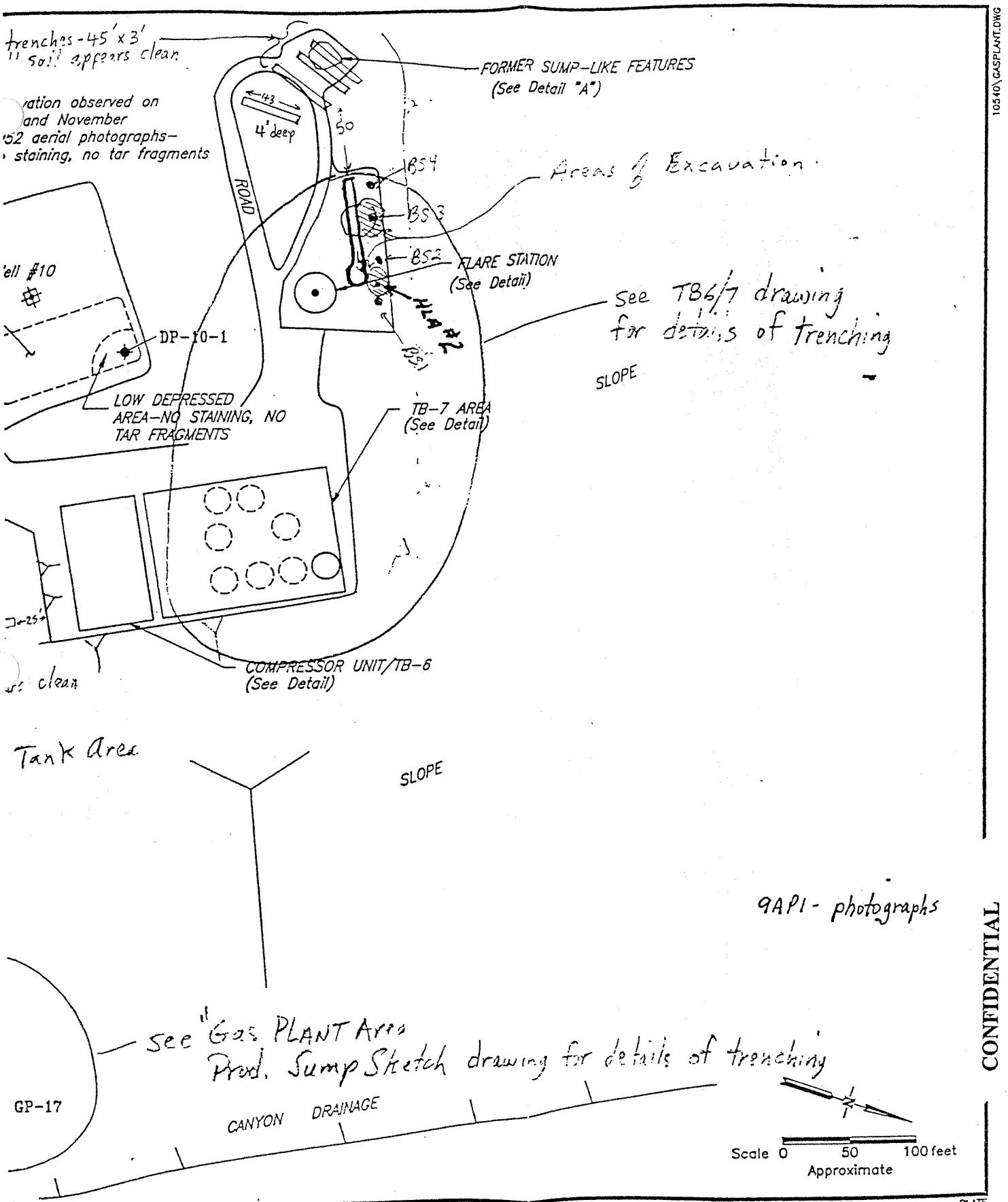
of the hole. If so, no further work is recommended. If clean soil was not removed, then if may be necessary to excavate laterally at least to the perimeter as defined by the encircling bore holes.

Gas Plant Sump 17

- Three boring completed (Attachment 3) out
- Deepest boring to 84.5 feet bgs with encountering ground water.
- Oil impacted soil found in two of the three borings.
- Boring BS-GP17-2 encountered oil impacted soil generally between 5 and 20+ feet. TPH levels were between 6,200 and 29,000 ppm at 5.5 and 20.5 feet respectively. Note that a reading of only 30 ppm was found at 15 feet. It is not known if this is a spurious reading or if there is a relatively clean layer separating to impacted layers.
- Boring BS-GP17-3 encountered elevated TPH reading between 5 and 30+ feet. TPH values ranged between 26,000 ppm at 5.5 feet and 17,000 ppm at 30.5 feet.
- Considering the size and past use of this pit, it is recommended that the entire pit area be excavated and hauled off to an approved disposal site. The area should then be graded and contoured to match the surrounding hillside.
- A conservative estimate of the area of impacted may be 75 ft. by 75 ft. with an average depth of 25 feet for a volume of 6,250 cu. yds.
- Since the bore holes were placed in a straight line and not randomly spaced about the pit area, an assumption was made that the impacted soil was uniformly spread across the pit. This may or may not be correct, but excavation is a more expedient option than additional sampling.
- Given the carbon chain analyses and the apparent elevation in light-end fraction, it will probably be necessary to address potential VOC concerns before initiating any excavation work.

Tank Battery 3

- One boring drilled to a depth of 110 feet below graded surface to point of refusal.
- Boring was simply to determine depth to ground water, no soil samples collected for VOC testing.
- No ground water encountered.
- HLA Plate 6B is attached for boring location.



10540\GASPLANT.DWG

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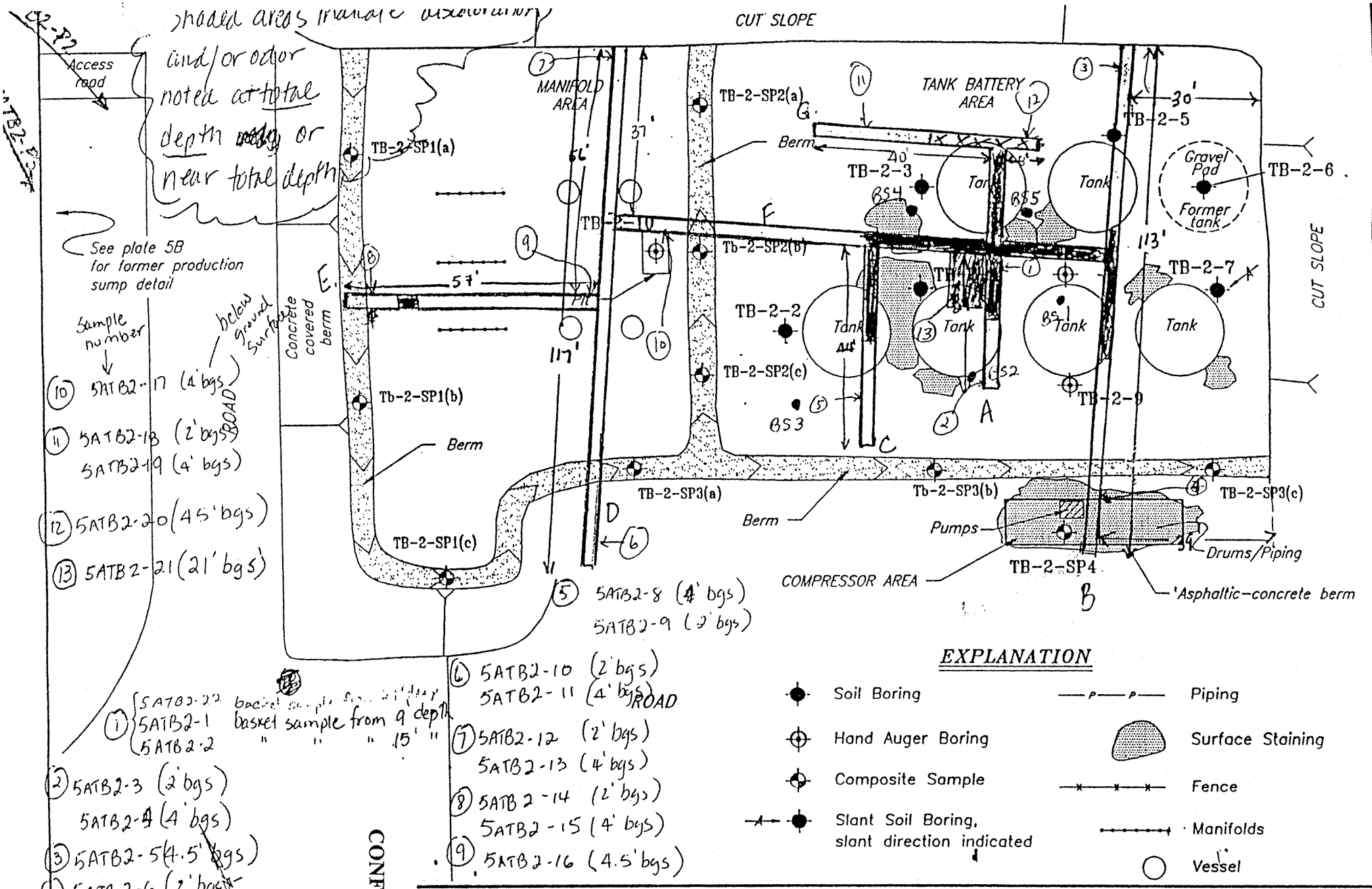
Harding Lawson Associates
Engineering and
Environmental Services

GAS PLANT AREA - GENERAL LAYOUT
Exxon Castaic Junction
Valencia, California
Rev. July/August 1995

PLATE 9A

DRAWN	PROJECT NUMBER-TASK	APPROVED	DATE	REVISED DATE
JCM	10540-553	CAB	8/92	



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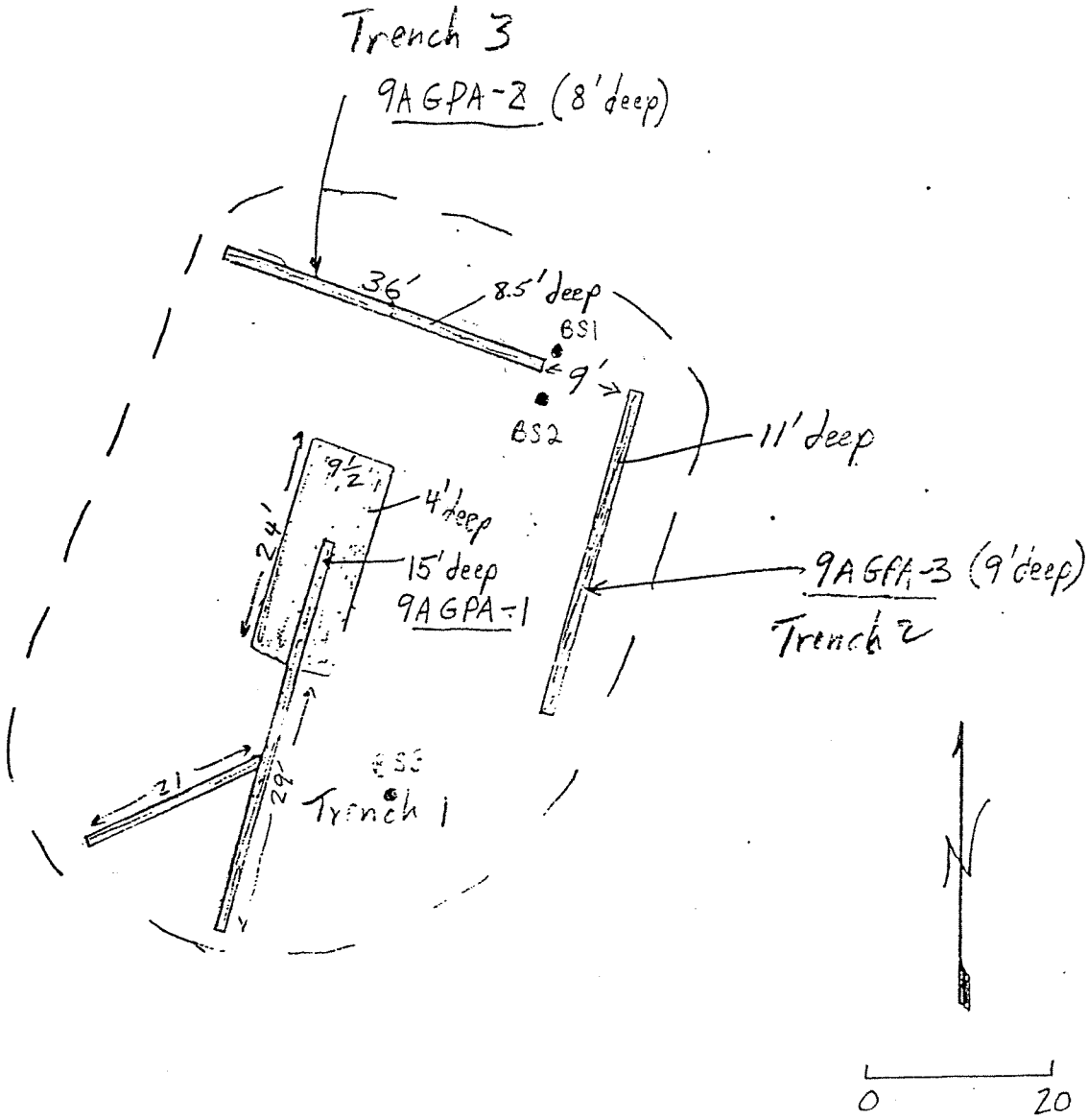
Harding Lawson Associates
Engineering and Environmental Services

TANK BATTERY No. 2
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA
Rev. July/August 1995

PLATE 5A

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
JCM	4167,533.16		5.	

GAS PLANT AREA
PRODUCTION SUMP SK.
GP-17



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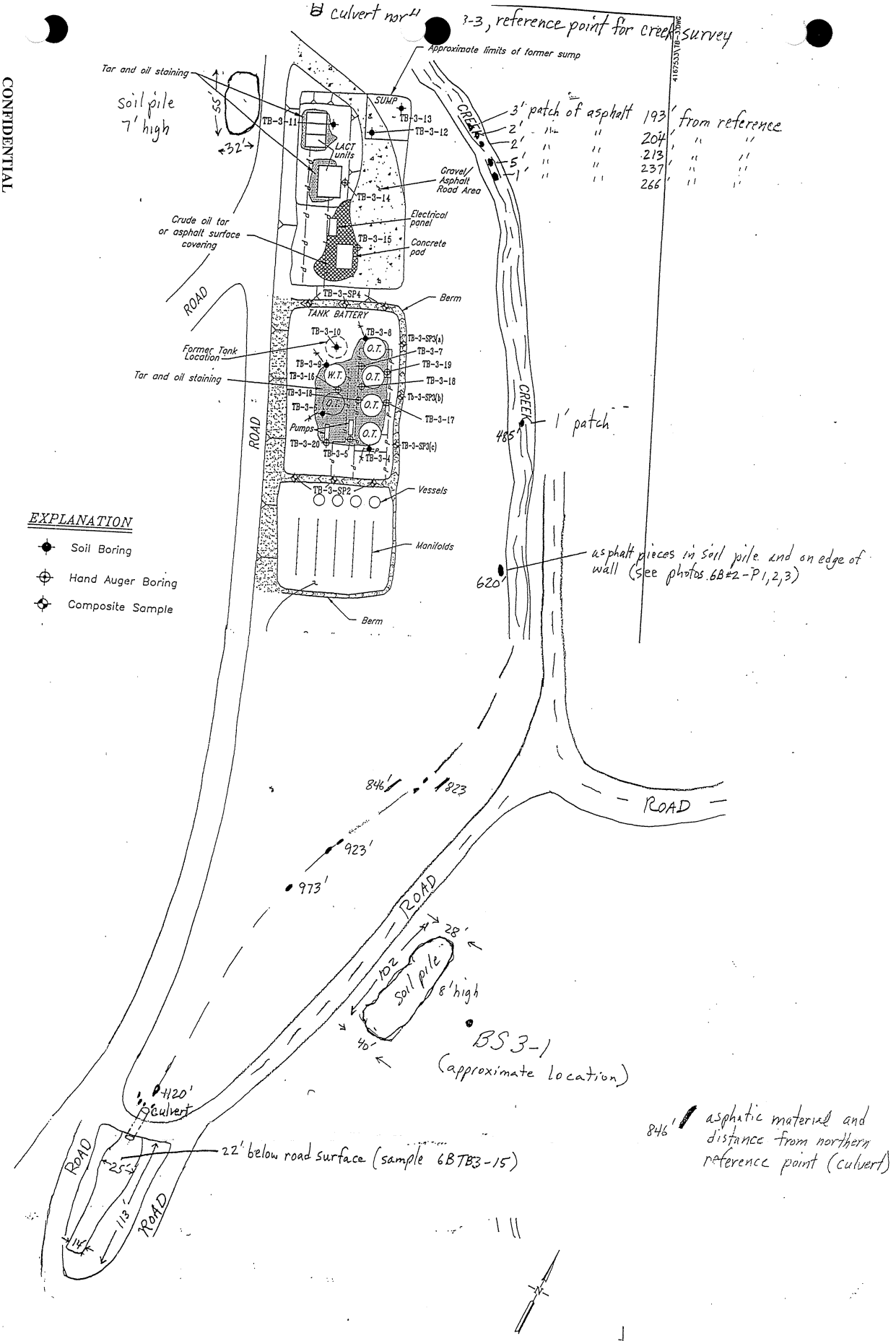
culvert nor th

TB-3, reference point for creek survey



Harding Lawson Associates
Engineering and Environmental Services

TANK BATTERY No. 3 DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE 6B#2

Rev. July/August 1995

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
JCM	4167,533.16		5/92	

ATTACHMENT B: MES'S REPORT

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MSE ENVIRONMENTAL, INC.

1250-H Avenida Acaso
Camarillo, CA 93012

Telephone (805) 987-0217
Fax (805) 987-8718

March 6, 1996

MSE Project Number 1317

Mr. Jack A. Rickner
EXXON COMPANY, U.S.A.
800 Bell, Suite 1477J
P.O. Box 2180 (77252)
Houston, Texas 77002

Subject: Report of Subsurface Investigation
Castaic Junction Production Field
Valencia, California

Dear Mr. Rickner:

MSE Environmental, Inc. (MSE) recently drilled and sampled 13 soil borings at the Castaic Junciton Production field, located in Valencia, Los Angeles County, California, in areas that had previously contained oil production equipment. The purpose of these activities was to collect soil samples and investigate the depth to groundwater for future closure of the production field. This work was conducted in response to a request by EXXON, dated December 11, 1995.

BACKGROUND

The Castaic Junction Production field has been used for approximately 40 years for oil and gas recovery and production. The production facilities have been shut down and the associated equipment removed. The areas explored in this investigation had previously contained a gas plant and tank batteries. The gas plant was used to compress the recovered gas, and the tank batteries contained aboveground tanks used to collect condensation generated from this process. EXXON personnel had previously conducted limited assessment work in these areas, and the basis of this investigation was to determine the vertical extent of impacted soil and depth to groundwater.

FIELD ACTIVITIES

Thirteen soil borings were drilled and sampled in the vicinity of former tank batteries 6/7, 2, and 3, and sump near the former gas plant. The borings were backfilled with bentonite chips, and the soil cuttings were stockpiled for future disposal. Soil cuttings were screened in the field for the presence of VOCs visually and with hydrocarbon vapor concentration measurements using an organic vapor monitor (OVM) calibrated to hexane. In addition, selected soil samples were screened by performing field total recoverable petroleum hydrocarbon (TRPH) analysis by EPA Method 418.1. Field screening procedures are discussed in Appendix A. TRPH results and hydrocarbon vapor concentration measurements are presented in Table 1.

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ycled Paper

An MSE geologist examined and classified the soils recovered during the drilling operation and prepared a detailed log of each boring. The soils were visually classified in accordance with the Unified Soil Classification System (USCS). The boring logs included in Appendix B contain detailed lithologic descriptions of soils encountered.

Tank Battery Number 6/7 (Flare Stack Area)

On January 21 and 22, 1996, MSE drilled four soil borings in the vicinity of former tank battery number 6/7. Soil borings BS-6/7-1, BS-6/7-2, BS-6/7-3, and BS-6/7-4 were drilled to depths of 20.5, 88, 25.5, and 25.5 feet below ground surface (bgs), respectively. Soil samples were collected at 5-foot intervals from the surface to the total depth of the borings except for boring BS-6/7-2, from which samples were collected to a depth of 25.5 feet.

The soils encountered in the soil borings drilled in the vicinity of former tank battey 6/7 generally consisted of brown silty sand ranging from the surface to approximately 7 to 12 feet bgs, and a brown sandy silt to approximately 17-25 feet bgs. Underlying these soils were brown sandy silt and silty sand interbedded with sandy clay, and brown silty sand to 88 feet bgs. Groundwater was not encountered in these borings (Appendix B).

TRPH analysis was performed on the sample from soil boring BS-6/7-2 at 24 feet bgs, detecting a concentration of 32 milligram/kilogram (mg/kg). Analysis of the sample collected from 35.5 feet bgs did not detect TRPH. Analysis of the sample collected from soil boring BS-6/7-3 at 15 feet bgs detected a TRPH concentration of 2,500 mg/kg (Table 1).

Tank Battery Number 2

On January 26 and 29, 1996, MSE drilled five soil borings in the vicinity of former tank battery number 2. Soil borings BS-2-1, BS-2-2, BS-2-3, BS-2-4, and BS-2-5 were drilled to depths of 50.5, 40.5, 40.5, 40.5, and 100 feet bgs, respectively. Soil samples were collected at 5-foot intervals from the surface to the total depth of these borings except for boring BS-2-5, from which samples were collected to a depth of 35.5 feet bgs.

The soils encountered in the soil borings drilled in the vicinity of former tank battery 2 generally consisted of brown silty sand with scattered gravel from the surface to approximately 7 to 32 feet bgs, with some silty sand with gravel and silty sand. Interbedded silt with sand and silty sand with scattered gravel was encountered to 100 feet bgs. Groundwater was encountered in boring BS-2-5 at approximately 96 feet bgs (Appendix B).

TRPH concentrations of 70 and 40 mg/kg were detected in samples BS-2-1 at 20 feet bgs and BS-2-4 at 25 feet bgs, respectively. Analysis of the sample collected from 50 feet in boring BS-2-1 did not detect TRPH concentrations(Table 1).

Gas Plant Sump Number 17

On January 30, 1996, MSE drilled three soil borings in the vicinity of former gas plant sump number 17. Soil borings BS-GP17-1, BS-GP17-2, and BS-GP17-3 were drilled to depths of 24, 84.5, and 40.5 feet bgs, respectively. Soil samples were collected at 5-foot intervals from the surface to depths of 20, 35.5, and 40.5 feet bgs, respectively.

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The soils encountered in the soil borings drilled in the vicinity of former gas plant sump number 17 generally consisted of brown with rust and gray sandy silt from the surface to approximately 32 to 37 feet bgs. From this depth to approximately 47 feet bgs, brown to gray silty sand and well graded sand with silt was encountered, underlain by gray sandy silt to 84.5 feet bgs. Groundwater was not encountered in these borings (Appendix B).

A TRPH concentration of 27,500 mg/kg was detected in sample BS-GP17-2 at 20 feet bgs. Analysis of samples collected from BS-GP17-2 at 30 and 35 feet bgs and BS-GP17-3 at 35 and 40 feet bgs did not detect TRPH concentrations (Table 1).

Tank Battery Number 3

On January 3, 1996, MSE drilled one soil boring in the vicinity of former tank battery number 3. Soil boring BS-3-1 was drilled to a depth of 110 feet bgs. The objective of the soil boring was to determine the depth to groundwater, therefore, no soil samples were collected.

The soils encountered soil boring BS-3-1 consisted of brown sandy silt and silt with sand from surface to approximately 65 feet bgs. From 65 to 102 feet bgs brown silty sand and silty sand with gravel was encountered, underlain by brown sandy silt to 110 feet bgs. Groundwater was not encountered in soil boring BS-3-1 (Appendix B).

This report was prepared consistent with current and generally accepted environmental consulting principles and practices that are within the limitations described in Appendix C. If you have any questions, please do not hesitate to call either of the undersigned at (805) 987-0217.

Sincerely,

MSE ENVIRONMENTAL, INC.

Chris R. Rohlfing
Environmental Geologist

Erin O'Connell, R.G., C.E.G.
Manager, Assessment and Remediation

REGISTERED GEOLOGIST No. 5698 • Erin K. O'Connell • Certified Engineering Geologist No. 1908 Exp. 12-96 • STATE OF CALIFORNIA •

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Attachments:

Table 1 - Field Screening Results

Appendix A - Field Exploration Methodology
Appendix B - Boring Logs
Appendix C - Limitations

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TABLE

TABLE 1
SUMMARY OF FIELD SCREENING DATA
EXXON CASTAIC JUNCTION PRODUCTION FIELD
VALENCIA, CALIFORNIA

DATE	BORING NUMBER	SAMPLE DEPTH (feet bgs)	HEADSPACE (1) ppm	TRPH (2) mg/kg
24-Jan-96	BS-6/7-1	5	0	--
24-Jan-96	BS-6/7-1	10	0	--
24-Jan-96	BS-6/7-1	15	0	--
24-Jan-96	BS-6/7-1	20	0	--
24-Jan-96	BS-6/7-2	5	5	--
24-Jan-96	BS-6/7-2	10	6	--
24-Jan-96	BS-6/7-2	15	0	--
24-Jan-96	BS-6/7-2	20	0	--
24-Jan-96	BS-6/7-2	24	52	32
24-Jan-96	BS-6/7-2	25	0	--
24-Jan-96	BS-6/7-2	30	23	--
24-Jan-96	BS-6/7-2	35	0	ND
25-Jan-96	BS-6/7-3	5	0	--
25-Jan-96	BS-6/7-3	10	0	--
25-Jan-96	BS-6/7-3	15	>2,000	2,500
25-Jan-96	BS-6/7-3	20	0	--
25-Jan-96	BS-6/7-3	25	0	--
25-Jan-96	BS-6/7-4	5	0	--
25-Jan-96	BS-6/7-4	10	0	--
25-Jan-96	BS-6/7-4	15	0	--
25-Jan-96	BS-6/7-4	20	0	--
25-Jan-96	BS-6/7-4	25	0	--
26-Jan-96	BS-2-1	10	0	--
26-Jan-96	BS-2-1	15	11	--
26-Jan-96	BS-2-1	20	286	70

Notes:
(1) = Measured by headspace vapor technique using an organic vapor monitor.
(2) = Analyzed by EPA Method 418.1.
TRPH = Total recoverable petroleum hydrocarbons.
bgs = Below ground surface.
ppm = Parts per million.
mg/kg = Milligrams/kilogram.
ND = Not detected.
-- = Not analyzed.

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TABLE 1 (page 2)
SUMMARY OF FIELD SCREENING DATA
EXXON CASTAIC JUNCTION PRODUCTION FIELD
VALENCIA, CALIFORNIA

DATE	BORING NUMBER	SAMPLE DEPTH (feet bgs)	HEADSPACE (1) ppm	TRPH (2) mg/kg
26-Jan-96	BS-2-1	25	86	--
26-Jan-96	BS-2-1	35	0	--
26-Jan-96	BS-2-1	40	93	--
26-Jan-96	BS-2-1	45	0	--
26-Jan-96	BS-2-1	50	0	ND
26-Jan-96	BS-2-2	5	0	--
26-Jan-96	BS-2-2	10	0	--
26-Jan-96	BS-2-2	15	0	--
26-Jan-96	BS-2-2	20	0	--
26-Jan-96	BS-2-2	25	0	--
26-Jan-96	BS-2-2	35	0	--
26-Jan-96	BS-2-2	40	0	--
26-Jan-96	BS-2-3	10	0	--
26-Jan-96	BS-2-3	15	0	--
26-Jan-96	BS-2-3	20	0	--
26-Jan-96	BS-2-3	25	0	--
26-Jan-96	BS-2-3	30	0	--
26-Jan-96	BS-2-3	35	0	--
26-Jan-96	BS-2-3	40	0	--
29-Jan-96	BS-2-4	5	0	--
29-Jan-96	BS-2-4	10	0	--
29-Jan-96	BS-2-4	15	0	--
29-Jan-96	BS-2-4	20	36	--
29-Jan-96	BS-2-4	25	59	40
29-Jan-96	BS-2-4	30	17	--
29-Jan-96	BS-2-4	35	0	--

Notes:
(1) = Measured by headspace vapor technique using an organic vapor monitor.
(2) = Analyzed by EPA Method 418.1.
TRPH = Total recoverable petroleum hydrocarbons.
bgs = Below ground surface.
ppm = Parts per million.
mg/kg = Milligrams/kilogram.
ND = Not detected.
-- = Not analyzed.

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TABLE 1 (page 3)
SUMMARY OF FIELD SCREENING DATA
EXXON CASTAIC JUNCTION PRODUCTION FIELD
VALENCIA, CALIFORNIA

DATE	BORING NUMBER	SAMPLE DEPTH (feet bgs)	HEADSPACE (1) ppm	TRPH (2) mg/kg
29-Jan-96	BS-2-4	40	0	--
29-Jan-96	BS-2-5	5	0	--
29-Jan-96	BS-2-5	10	0	--
29-Jan-96	BS-2-5	15	16	--
29-Jan-96	BS-2-5	20	0	--
29-Jan-96	BS-2-5	35	0	--
30-Jan-96	BS-GP17-1	5	0	--
30-Jan-96	BS-GP17-1	10	0	--
30-Jan-96	BS-GP17-1	15	16	--
30-Jan-96	BS-GP17-2	5	44	--
30-Jan-96	BS-GP17-2	10	111	--
30-Jan-96	BS-GP17-2	15	0	--
30-Jan-96	BS-GP17-2	20	>2,000	27,500
30-Jan-96	BS-GP17-2	25	193	--
30-Jan-96	BS-GP17-2	30	0	ND
30-Jan-96	BS-GP17-2	35	0	ND
30-Jan-96	BS-GP17-3	5	>2,000	--
30-Jan-96	BS-GP17-3	10	>2,000	--
30-Jan-96	BS-GP17-3	15	>2,000	--
30-Jan-96	BS-GP17-3	20	>2,000	--
30-Jan-96	BS-GP17-3	25	>2,000	--
30-Jan-96	BS-GP17-3	30	>2,000	--
30-Jan-96	BS-GP17-3	35	0	ND
30-Jan-96	BS-GP17-3	40	0	ND

Notes:
(1) = Measured by headspace vapor technique using an organic vapor monitor.
(2) = Analyzed by EPA Method 418.1.
TRPH = Total recoverable petroleum hydrocarbons.
bgs = Below ground surface.
ppm = Parts per million.
mg/kg = Milligrams/kilogram.
ND = Not detected.
-- = Not analyzed.

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Table 1. Castaic Junction Lab Analysis

mg/Kg

Sample Location	Sample Date	C4-C12 Volatile Fuel Hydrocarbons	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Extractable Hydrocarbons C8-C12	13-C2	23-C4	C10-C40 418.1 TPH	Sample Depth
Trench 4/Flare Area											
BS-6/7-1	1/24/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5'
BS-6/7-1	1/24/96	ND	ND	ND	ND	ND				ND	10.5'
BS-6/7-1	1/24/96	ND	ND	ND	ND	ND	ND	ND	ND	87	15.5'
BS-6/7-1	1/24/96	ND	ND	ND	ND	ND	ND	ND	ND	ND	20.5'
BS-6/7-2	1/24/96	ND	ND	ND	ND	ND				47	5.5'
BS-6/7-2	1/24/96	ND	ND	ND	ND	ND				ND	10.5'
BS-6/7-2	1/24/96	ND	ND	ND	ND	ND				ND	15.5'
BS-6/7-2	1/24/96	ND	ND	ND	ND	ND				6.3	20.5'
BS-6/7-2	1/24/96	ND	ND	ND	ND	ND	ND	3.5	18	36	24.0'
BS-6/7-2	1/24/96	ND	ND	ND	ND	ND	ND	ND	ND	13	25.5'
BS-6/7-2	1/24/96	ND	ND	ND	ND	ND				ND	30.5'
BS-6/7-2	1/24/96	ND	ND	ND	ND	ND	ND	ND	ND	9.8	35.5'
BS-6/7-3	1/25/96	ND	ND	ND	ND	ND	ND	0.9	8.3	34	5.5'
BS-6/7-3	1/25/96	ND	ND	0.005	ND	ND	ND	50	210	520	10.5'
BS-6/7-3	1/25/96	28	ND	ND	0.16	0.44	250	1200	840	6100	15.5'
BS-6/7-3	1/25/96	ND	ND	ND	ND	ND	ND	790	2200	4200	20.5'
BS-6/7-3	1/25/96	ND	ND	ND	ND	ND	ND	ND	ND	730	25.5'
BS-6/7-4	1/25/96	ND	ND	ND	ND	ND				ND	5.5'
BS-6/7-4	1/25/96	ND	ND	ND	ND	ND	ND	ND	ND	16	10.5'
BS-6/7-4	1/25/96	ND	ND	ND	ND	ND	ND	ND	ND	130	15.5'
BS-6/7-4	1/25/96	ND	ND	ND	ND	ND				ND	20.5'
BS-6/7-4	1/25/96	ND	ND	ND	ND	ND	ND	ND	ND	27	25.5'
Tank Battery No. 2											
BS-2-1	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	47	10.5'
BS-2-1	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	590	15.5'
BS-2-1	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	7.1	20.5'
BS-2-1	1/26/96	ND	ND	ND	ND	ND				ND	25.5'
BS-2-1	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	5.6	30.5'
BS-2-1	1/26/96	ND	ND	ND	ND	ND				ND	35.5'
BS-2-1	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	5.6	40.5'
BS-2-1	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	7.7	45.5'

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Table 1. Castai[illegible]unction Lab Analysis

mg/Kg

Sample Location	Sample Date	C4-C12 Volatile Fuel Hydrocarbons	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Extractable Hydrocarbons			C10-C40 418.1 TPH	Sample Depth
							C8-C12	13-C2	23-C4		
GP 17 Sump											
BS-GP17-1	1/30/96	ND	ND	ND	ND	ND	ND	48	640	1700	5.5'
BS-GP17-1	1/30/96	ND	ND	ND	ND	ND				ND	10.5'
BS-GP17-1	1/30/96	ND	ND	ND	ND	ND	44	430	460	9.8	15.5'
BS-GP17-2	1/30/96	3.7	ND	ND	ND	ND	22	1200	2600	6200	5.5'
BS-GP17-2	1/30/96	9.5	ND	ND	0.037	0.04	100	4300	7900	18000	10.5'
BS-GP17-2	1/30/96	ND	ND	ND	ND	ND	ND	ND	ND	30	15.5'
BS-GP17-2	1/30/96	1100	0.16	0.47	0.79	5.6	1500	11000	11000	29000	20.5'
BS-GP17-2	1/30/96	6.9	ND	ND	0.088	0.13	ND	ND	ND	720	25.5'
BS-GP17-2	1/30/96	ND	ND	ND	ND	ND	ND	ND	ND	7.1	31.5'
BS-GP17-2	1/30/96	ND	ND	ND	ND	ND	ND	ND	ND	56	35.5'
BS-GP17-3	1/30/96	600	0.099	0.4	1.8	7.3	370	5700	5900	26000	5.5'
BS-GP17-3	1/30/96	660	0.48	0.23	1.5	6.6	340	4400	4800	14000	10.5'
BS-GP17-3	1/30/96	1700	ND	1	3.9	2.9	420	5700	4900	17000	15.5'
BS-GP17-3	1/30/96	1200	ND	0.28	5.1	0.74	520	3000	2300	10000	20.5'
BS-GP17-3	1/30/96	2800	ND	1.1	25	39	1400	6300	3700	20000	25.5'
BS-GP17-3	1/30/96	ND	ND	ND	ND	ND	630	2600	1900	17000	30.5'
BS-GP17-3	1/30/96	ND	ND	ND	ND	ND	1.3	13	11	37	36.5'
BS-GP17-3	1/30/96	ND	ND	ND	ND	ND				ND	40.5'

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Table 1. Castaic Junction Lab Analysis

mg/Kg

Sample Location	Sample Date	C4-C12 Volatile Fuel Hydrocarbons	Benzene	Toluene	Ethyl Benzene	Total Xylenes	Extractable Hydrocarbons			C10-C40 418.1 TPH	Sample Depth
							C8-C12	13-C2	23-C4		
Tank Battery No. 2 (con't).											
BS-2-1	1/26/96	ND	ND	ND	ND	ND				ND	50.5'
BS-2-2	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	5.1	5.5'
BS-2-2	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	50	10.5'
BS-2-2	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	280	15.5'
BS-2-2	1/26/96	ND	ND	ND	ND	ND				ND	20.5'
BS-2-2	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	16	25.5'
BS-2-2	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	8.5	35.5'
BS-2-2	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	19.0	40.5'
BS-2-3	1/26/96	3.1	ND	ND	0.0067	ND	ND	ND	ND	6.8	10.5'
BS-2-3	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	5.7	15.5'
BS-2-3	1/26/96	ND	ND	ND	ND	ND				ND	20.5'
BS-2-3	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	8	25.5'
BS-2-3	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	7.1	30.5'
BS-2-3	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	52	35.5'
BS-2-3	1/26/96	ND	ND	ND	ND	ND	ND	ND	ND	18	40.5'
BS-2-4	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	15	5.5'
BS-2-4	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	8	10.5'
BS-2-4	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	7.1	15.5'
BS-2-4	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	50	20.5'
BS-2-4	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	54	25.5'
BS-2-4	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	9.1	30.5'
BS-2-4	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	300	35.5'
BS-2-4	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	150	40.5'
BS-2-5	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	120	5.5'
BS-2-5	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	14	10.5'
BS-2-5	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	19	15.5'
BS-2-5	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	17	20.5'
BS-2-5	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	140	30.5'
BS-2-5	1/29/96	ND	ND	ND	ND	ND	ND	ND	ND	13	35.5'

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APPENDIX A
FIELD EXPLORATION METHODOLOGY

FIELD EXPLORATION METHODOLOGY

SOIL SAMPLING

A geologist from MSE's staff examined and classified the soils encountered and prepared a detailed log of each boring. Soils encountered were classified visually in general accordance with United States Bureau of Reclamation (USBR) 5005-86, Determining Unified Soil Classification. An explanation of boring log symbols is provided as Figure B-1. The Boring logs for soil borings BS-6/7-1 through BS-3-1 are provided as Figures B-2 through B-14, respectively.

Soil samples were obtained from the borings using a modified California split-spoon sampler. The sampler was driven 18 inches by a 140-pound weight falling a vertical distance of approximately 30 inches. The number of blows needed to advance the sampler each 6-inch distance is indicated to the left of the corresponding sample notations on the boring logs. The geologist removed the brass sampling tubes from the sampler and each end of the selected tube was sealed with Teflon lined plastic caps. The samples were labeled and placed on ice. Soil sampling equipment was cleaned in a Liquinox solution and rinsed with distilled water between sampling attempts.

Soil samples that were selected for analysis are denoted on the boring logs with a "CA". A Chain of Custody Record was completed in the field and accompanied the soil samples to a California State-Certified Laboratory. Chain of custody protocol was followed throughout field and laboratory procedures.

FIELD SCREENING TECHNIQUES FOR SOIL SAMPLES

Soil samples were split in the field. One portion of each soil sample was retained for potential chemical analysis, and for soil classification. A small portion of the other split sample was tested in the field for petroleum-related contamination using the following field screening techniques: 1) headspace vapor testing using an Organic Vapor Meter (OVM) calibrated to hexane and 2) selected samples were analyzed for TRPH using EPA Method 418.1.

Headspace vapor screening involves placing a soil sample in a plastic bag. Air is captured in the bag and the bag is shaken to expose the soil to the air trapped in the bag. The probe of the Organic Vapor Meter (OVM) is placed in the top of the bag. The measured OVM concentration in parts per million (ppm) is recorded on the boring log. The instrument is designed to detect hydrocarbon vapors between 0.1 and 2000 ppm.

Field analysis for TRPH using EPA Method 418.1 involves extracting hydrocarbons from soil using a Freon solution. The Freon solution is then analyzed by a Horiba infrared analyzer, which has been calibrated to a know concentration, generally 40 ppm. A TRPH concentration, measured in mg/kg, is calculated from the analyzer reading. Sample dilution may be required to achieve a final measurement.

Field screening results are site specific and are designed to be utilized as a tool in evaluating appropriate soil samples for chemical analysis. The field screening techniques do not replace chemical analysis.

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APPENDIX B

BORING LOGS

UNIFIED SOIL CLASSIFICATION SYSTEM

GROUP SYMBOL	TYPICAL NAMES	GROUP SYMBOL	TYPICAL NAMES
GW	Well-graded gravels, gravel sand mixtures, little or no fines	ML	Inorganic silts and very fine sands, rock flour,silty or clayey fine sands or clayey silts with slight plasticity
GP	Poorly graded gravels, gravel-sand mixtures, little or no fines	CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
GM	Silty gravels, gravel-sand-silt mixtures	OL	Organic silts and organic silty clays of low plasticity
GC	Clayey gravels, gravel-sand-clay mixtures	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
SW	Well-graded sands, gravelly sands, little or no fines	CH	Inorganic clays of high plasticity, fat clays
SP	Poorly graded sands, gravelly sands, little or no fines	Pt	Organic clays of medium to high plasticity, organic silts
SM	Silty sands, sand-silt mixtures		Surface and/or Artificial Fill Material
SC	Clayey sands, sand-clay mixtures		

SR	UNDISTURBED SAMPLE RECOVERED		BENTONITE ANNULAR SEAL
NR	NO SAMPLE RECOVERY		BENTONITE GROUT ANNULAR SEAL
CA	SAMPLE SELECTED FOR CHEMICAL ANALYSIS		CEMENT ANNULAR SEAL
BLOW COUNT 10	BLOWS REQUIRED TO DRIVE SAMPLER 12 INCHES OR INDICATED DISTANCE USING A 140 POUND HAMMER FALLING 30 INCHES		BLANK PVC CASING
OVM(ppm)	HYDROCARBON VAPOR CONCENTRATION WITH AN ORGANIC VAPOR METER CALIBRATED TO HEXANE, PARTS PER MILLION		SLOTTED PVC CASING
O.R.	READING EXCEEDS THE CAPABILITIES OF OVM, APPROXIMATELY 2,000 ppm		STATIC GROUNDWATER LEVEL
	SAND PACK		

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MSE ENVIRONMENTAL, INC.

DRAWING NUMBER: 1317

Source: "An Introduction to Geotechnical Engineering", Robert D. Holtz and William D. Kovacs

BORING LOG SYMBOLS AND EXPLANATION

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-1

gm.log exp.fig

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

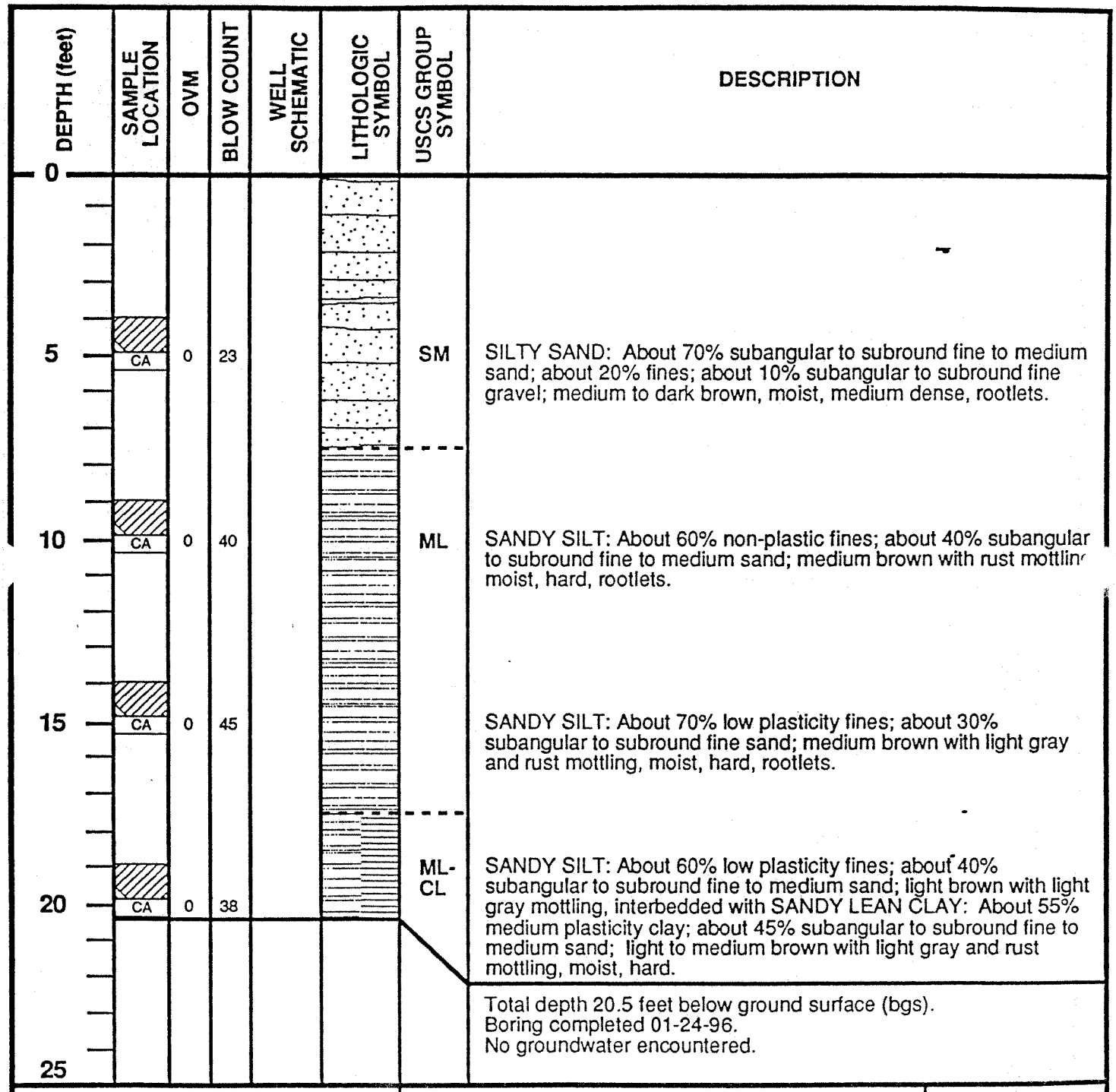
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-24-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-6/7-1



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-6/7-1

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-2

CONFIDENTIAL

PROJECT: EXXON CASTAIC

PROJECT NO.: 1317

METHOD OF DRILLING: HOLLOW STEM

LOGGED BY: C. ROHLFING

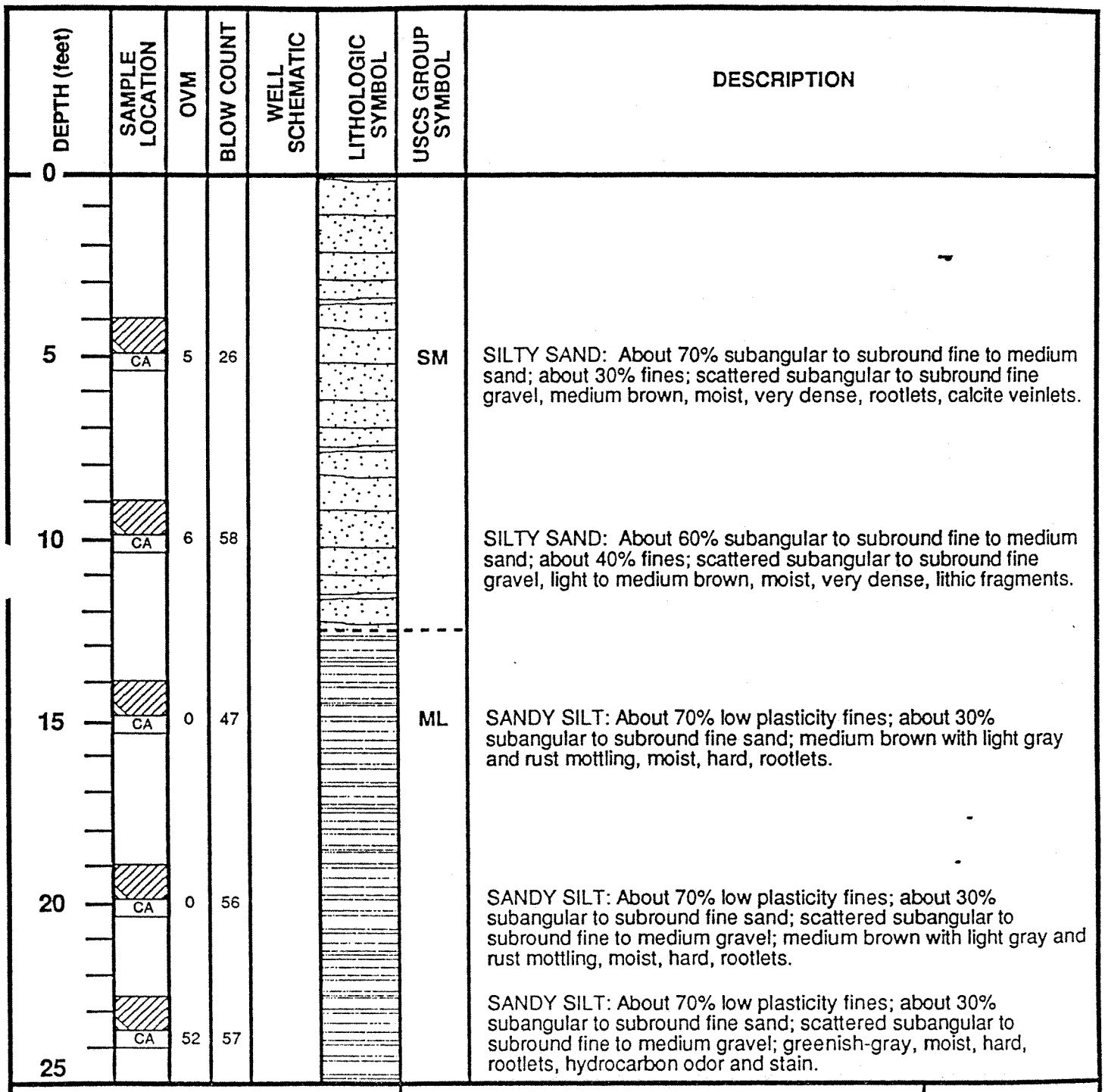
DRILL RIG: CME-75

DATE: 01-24-96

CASING ELEVATION: NA

SURFACE ELEVATION: NA

BORING LOG NO.: BS-6/7-2



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-6/7-2

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-3

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-24-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-6/7-2

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
25	CA	0	57			ML-SM	SANDY SILT: About 70% non-plastic fines; about 30% subangular to subround fine sand; medium brown to rust, interbedded with SILTY SAND: About 60% subangular to subround fine to medium sand; about 35% fines; about 5% subangular to subround fine to medium gravel; light to medium brown, moist, hard, calcite veinlets.
30	CA	23	32			SM	SILTY SAND: About 70% subangular to subround fine to medium sand; about 20% fines; about 10% angular to subround fine gravel; light brown, moist, dense.
35	CA	0	49				SILTY SAND: About 80% subangular to subround fine sand; about 20% fines; scattered angular to subround fine gravel; light to medium brown, moist dense.
40							
45							
50							Increasing silt content.

MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-6/7-2

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-3

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-24-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-6/7-2

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
50						SM	SILTY SAND: About 65% subangular to subround fine sand; about 35% fines; scattered subangular to subround fine gravel; light to medium brown, moist.
55							Scattered gravel beds.
60							
65							Scattered gravel beds.
70							
75							Increasing silt content.

MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-6/7-2

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-3

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-24-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-6/7-2

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
75						SM	SILTY SAND: About 65% subangular to subround fine sand; about 35% fines; scattered subangular to subround fine gravel; light to medium brown, moist.
80							Scattered gravel beds.
85							
90							Total depth 88 feet below ground surface (bgs). Boring ceased due to drill rig malfunction. Boring completed 01-24-96. No groundwater encountered.
95							
100							

MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-6/7-2

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-3

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

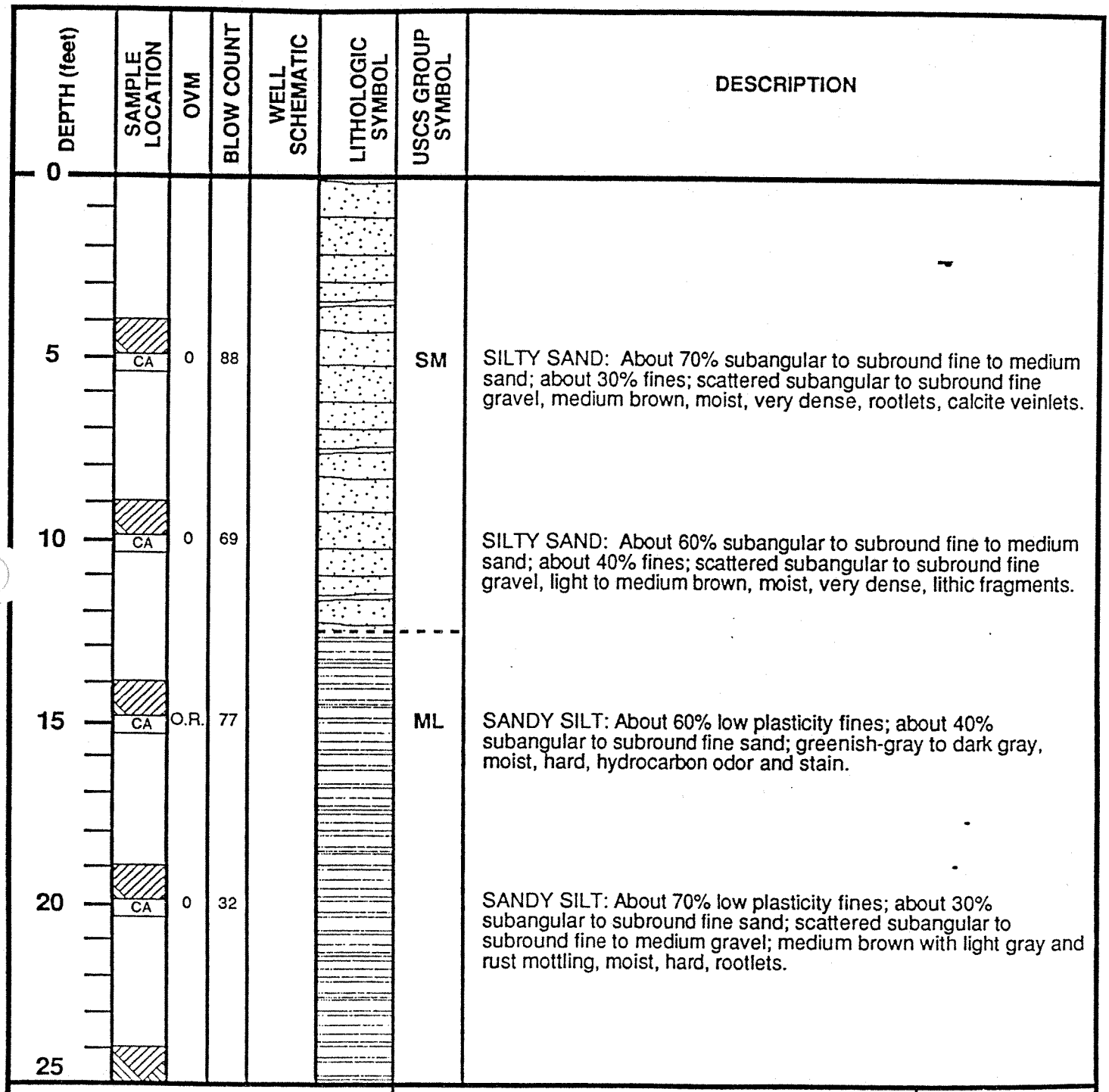
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-25-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-6/7-3



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-6/7-3

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-4

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-25-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-6/7-3

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
25	CA	0	38			ML	SANDY SILT: About 70% low plasticity fines; about 30% subangular to subround fine sand; scattered subangular to subround fine to medium gravel; medium brown with light gray and rust mottling, moist, hard, rootlets.
							Total depth 25.5 feet below ground surface (bgs). Boring completed 01-25-96. No groundwater encountered.
30							
35							
40							
45							
50							

MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-6/7-3

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-4

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

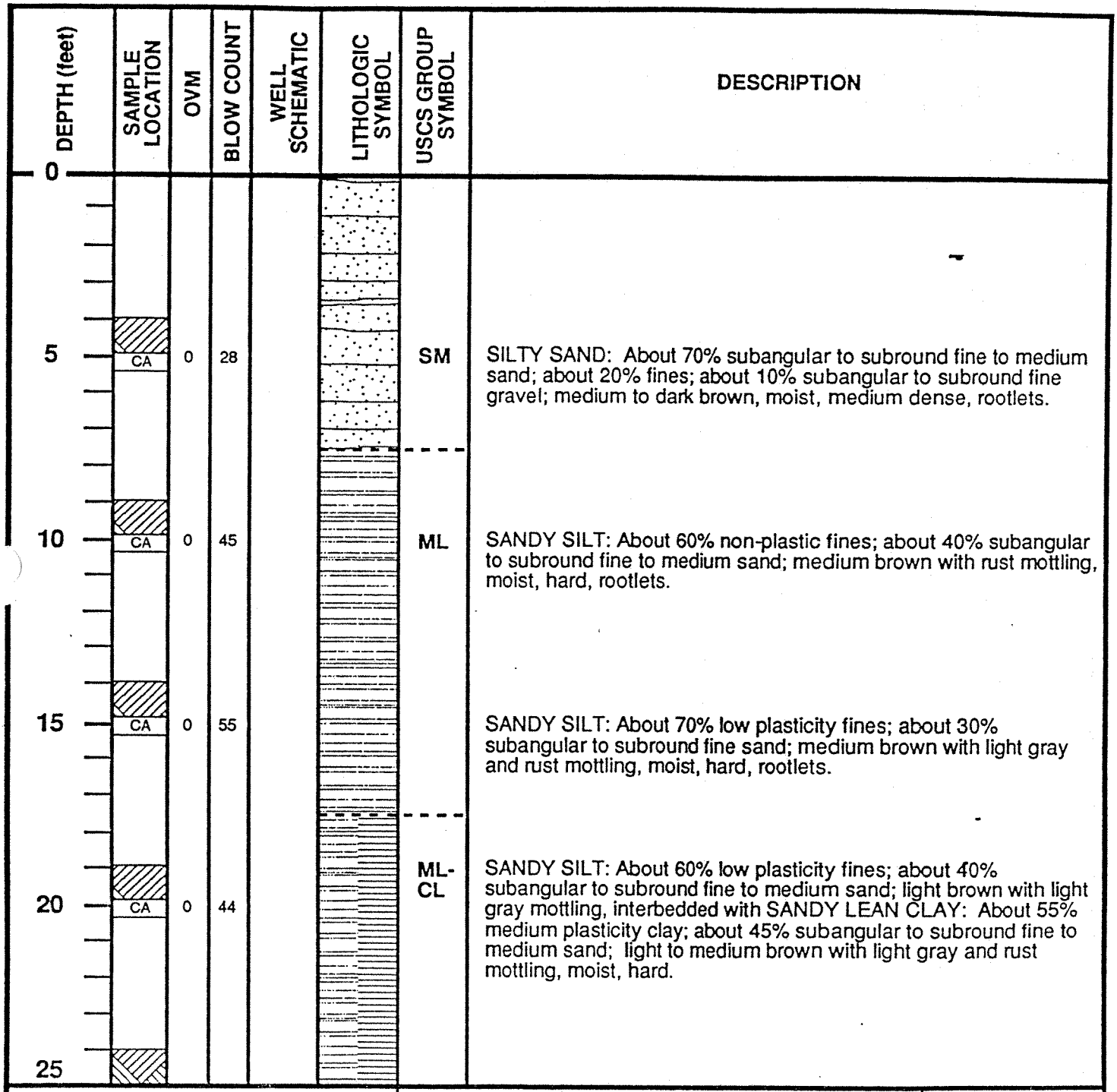
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-25-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-6/7-4



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-6/7-4

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-5

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-25-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-6/7-4

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
25	CA	0	38			ML-SM	SANDY SILT: About 70% non-plastic fines; about 30% subangular to subround fine sand; medium to dark brown, interbedded with SILTY SAND: About 60% subangular to subround fine to medium sand; about 35% fines; about 5% subangular to subround fine to medium gravel, light to medium brown, moist, hard, calcite veinlets.
							Total depth 25.5 feet below ground surface (bgs). Boring completed 01-25-96. No groundwater encountered.
30							
35							
40							
45							
50							

MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-6/7-4

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-5

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

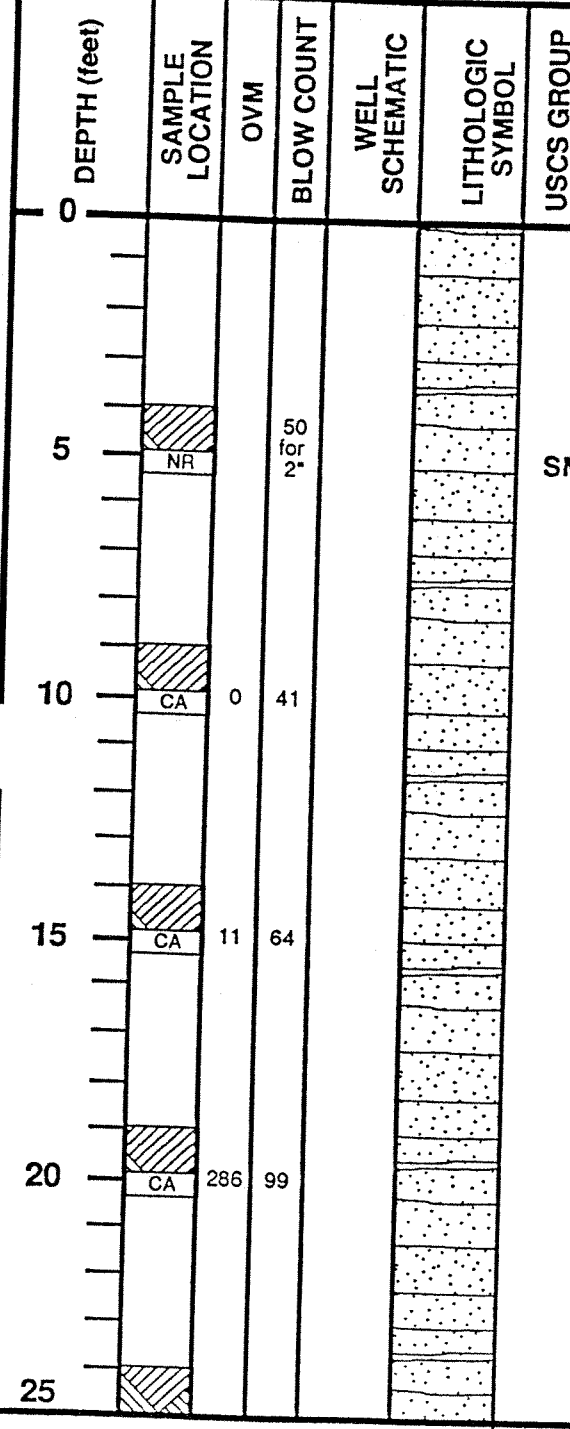
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-26-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-1



DESCRIPTION	USCS GROUP SYMBOL
SILTY SAND: About 70% subangular to subround fine to medium sand; about 20% fines; about 10% angular to subround fine to medium gravel; light to medium brown, moist, very dense, lithic fragments.	SM
SILTY SAND WITH GRAVEL: About 70% subangular to subround fine to coarse sand; about 15% angular to subround fine to coarse gravel; about 15% fines; light to medium brown, moist, dense, lithic fragments.	
SILTY SAND: About 70% subangular to subround fine to medium sand; about 20% fines; about 10% angular to subround fine to medium gravel; greenish-gray to dark gray, moist, very dense, lithic fragments, hydrocarbon odor and stain.	
SILTY SAND: About 65% subangular to subround fine to medium sand; about 30% fines; about 5% angular to subround fine to medium gravel; greenish-gray to dark gray, moist, very dense, lithic fragments, hydrocarbon odor and stain.	

MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-1

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-6

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

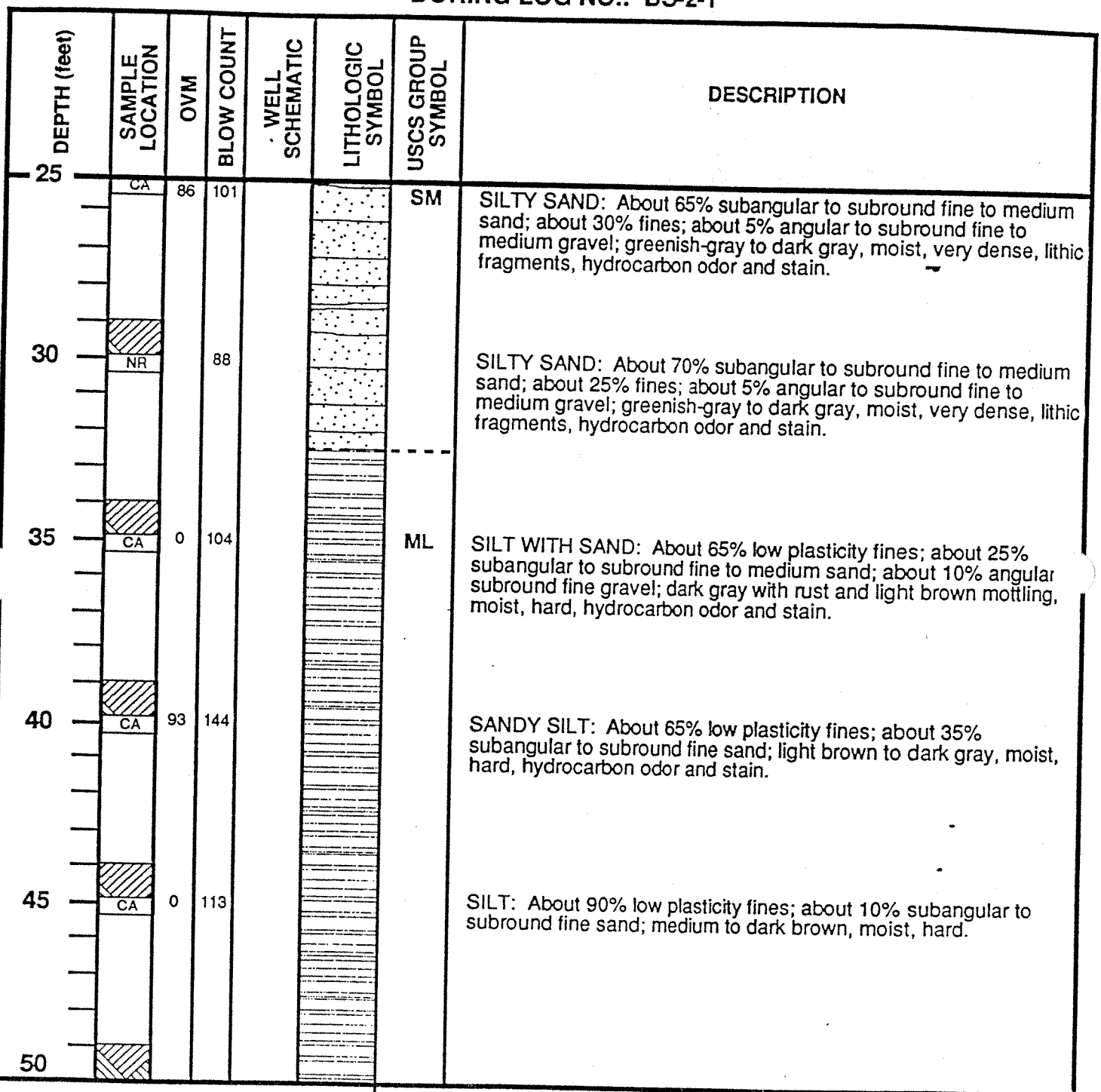
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-26-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-1



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-1

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-6

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-26-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-1

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
50	CA	0	147			ML	SILT: About 90% low plasticity fines; about 10% subangular to subround fine sand; medium to dark brown, moist, hard.
							Total depth 50.5 feet below ground surface (bgs). Boring completed 01-26-96. No groundwater encountered.
55							
60							
65							
70							
75							

MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-1

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-6

CONFIDENTIAL

APPENDIX C

LIMITATIONS

GENERAL LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty express or implied, is made. These services were performed consistent with MSE's agreement with MSE's client. This report is solely for the use and information of MSE's client unless otherwise noted.

Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. MSE is not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. MSE does not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

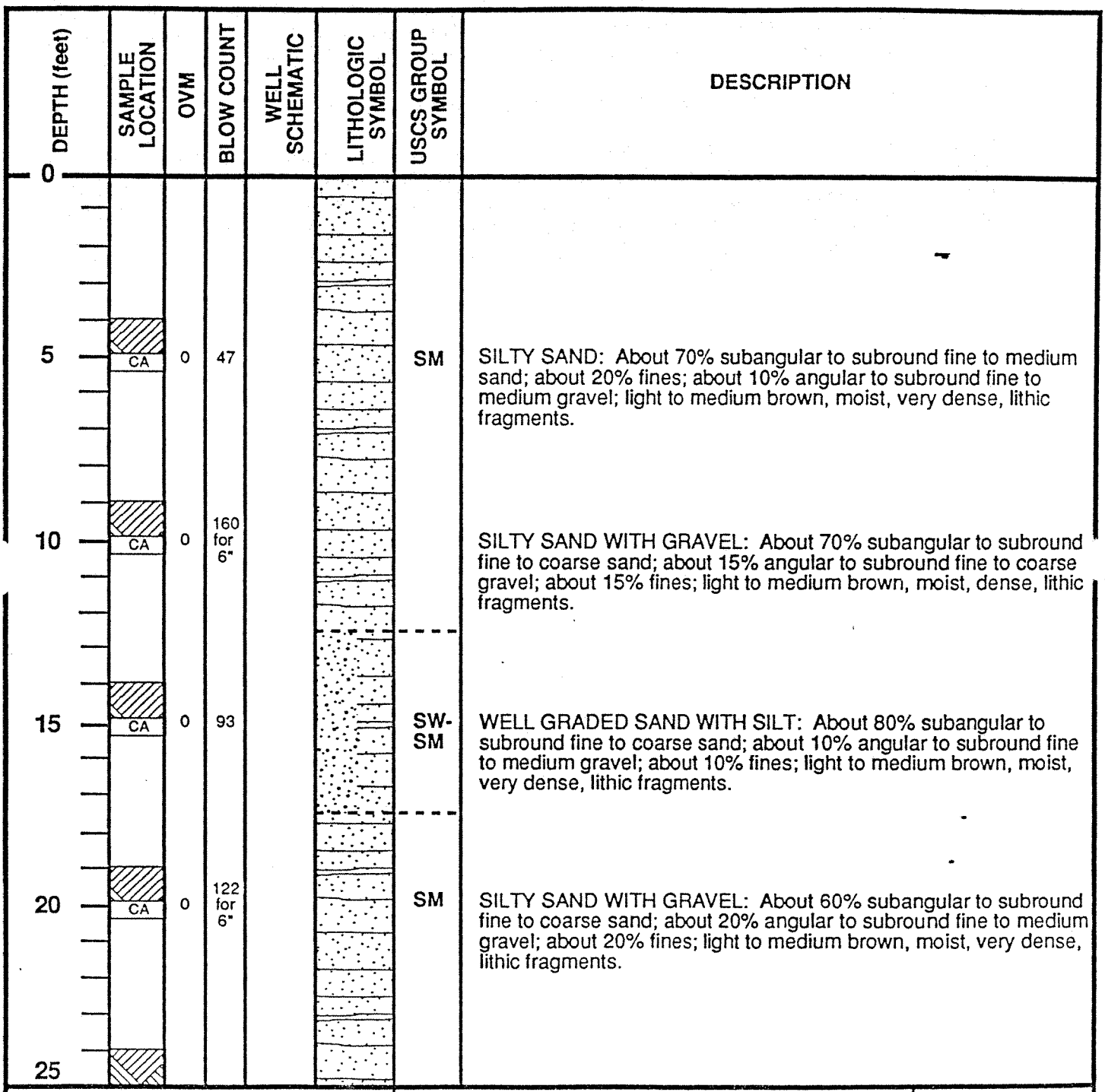
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-26-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-2



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-2

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-7

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

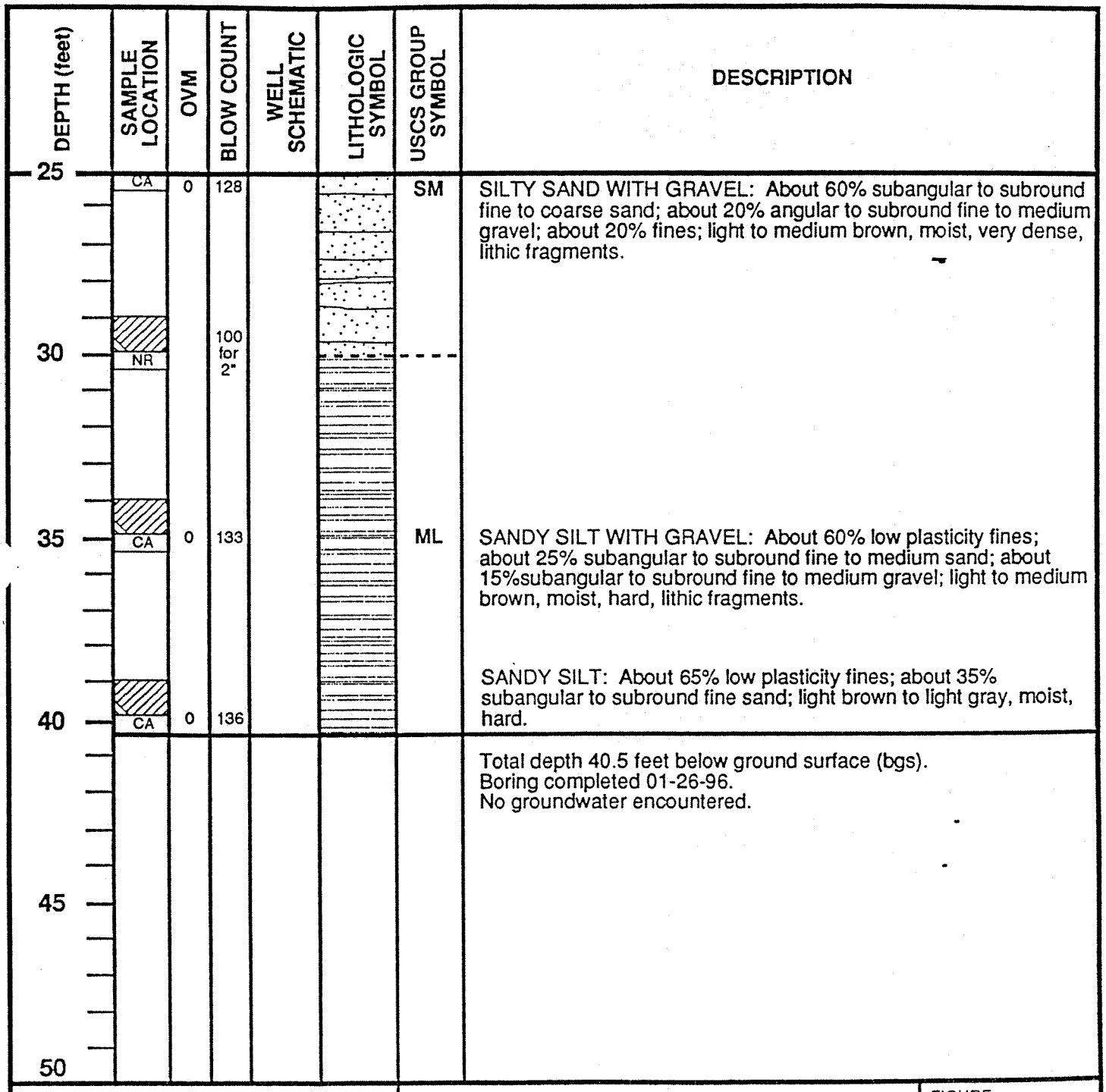
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-26-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-2



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-2

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-7

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

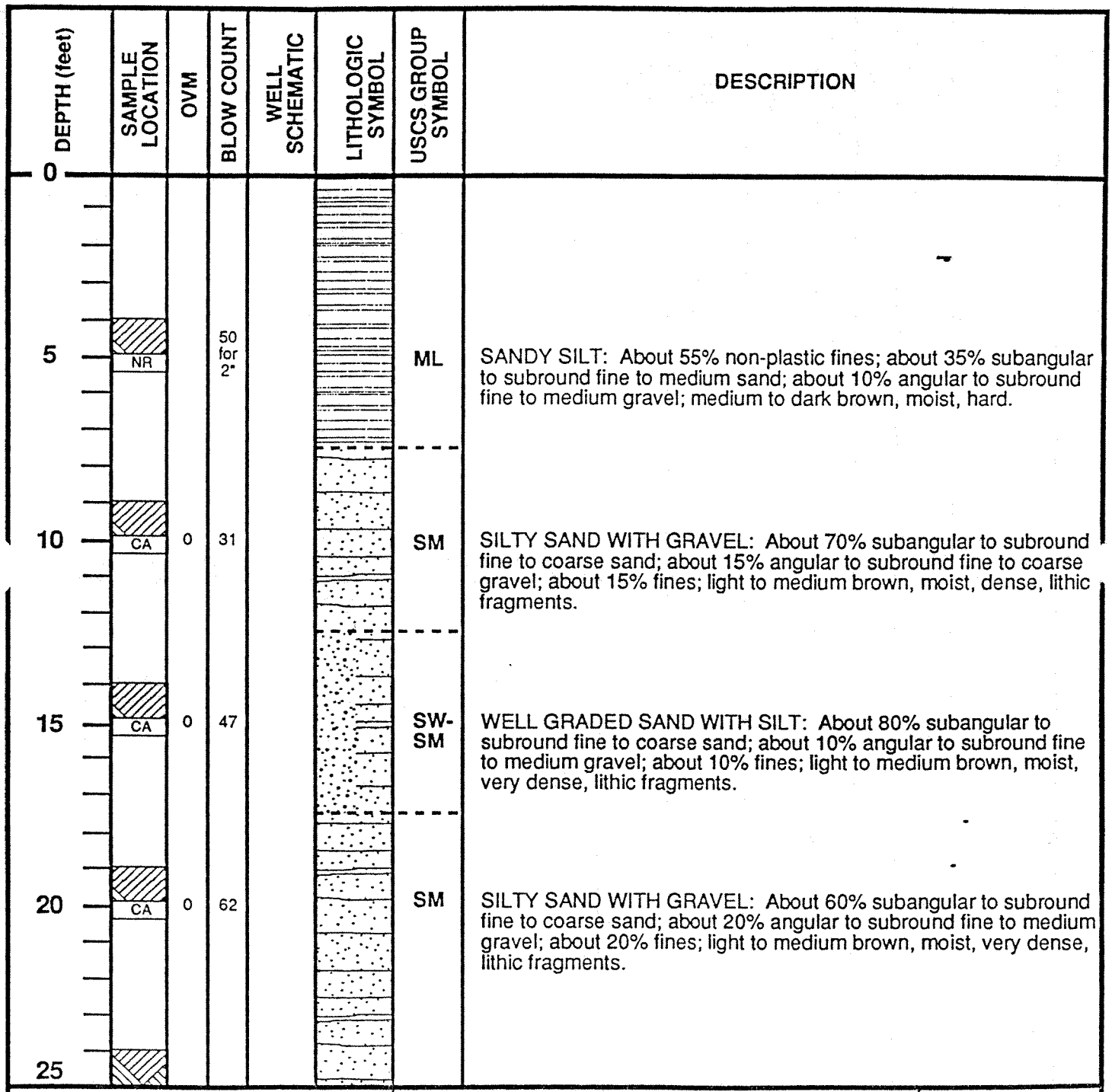
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-26-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-3



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-3

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-8

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

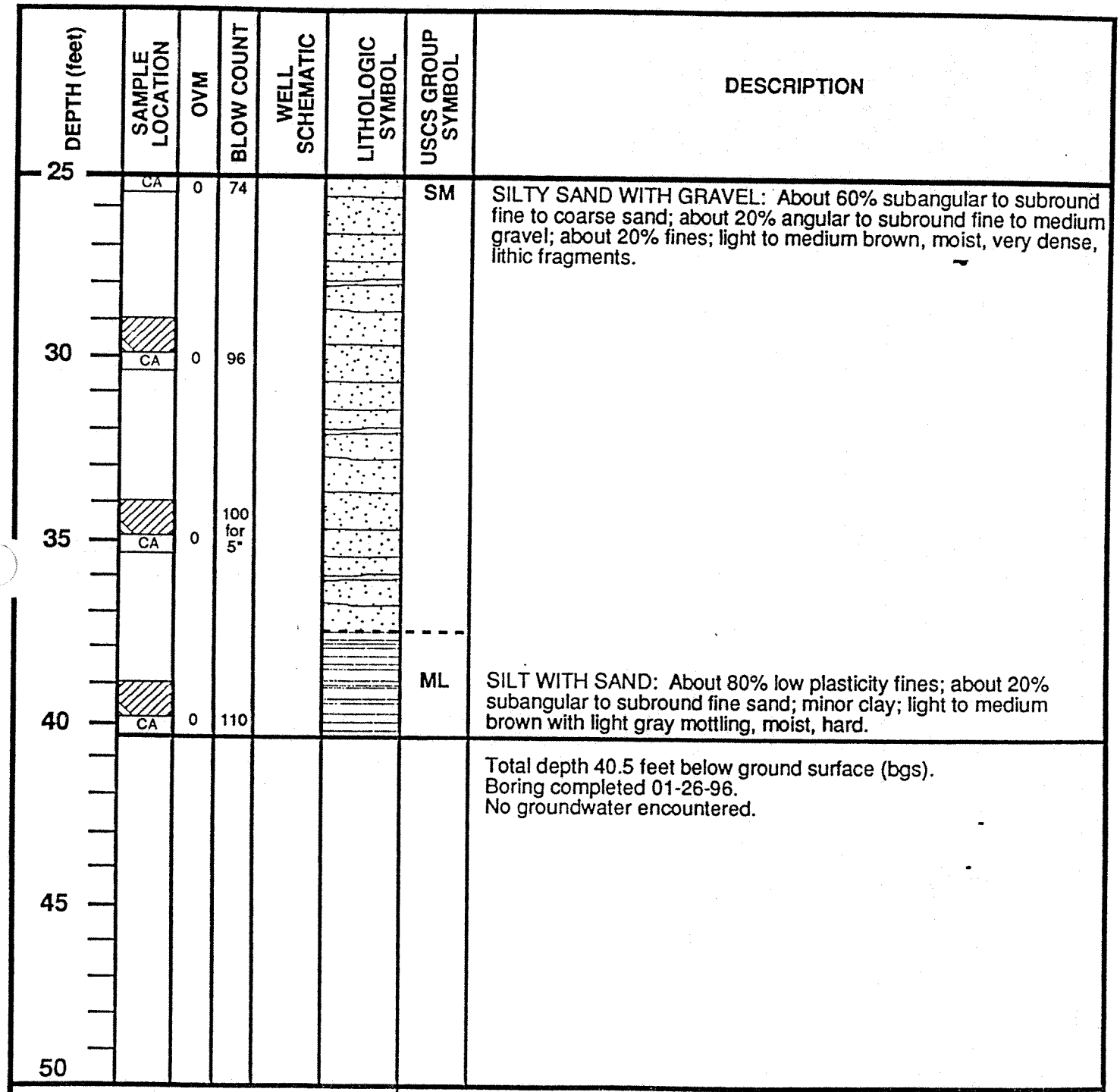
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-26-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-3



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-3

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-8

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

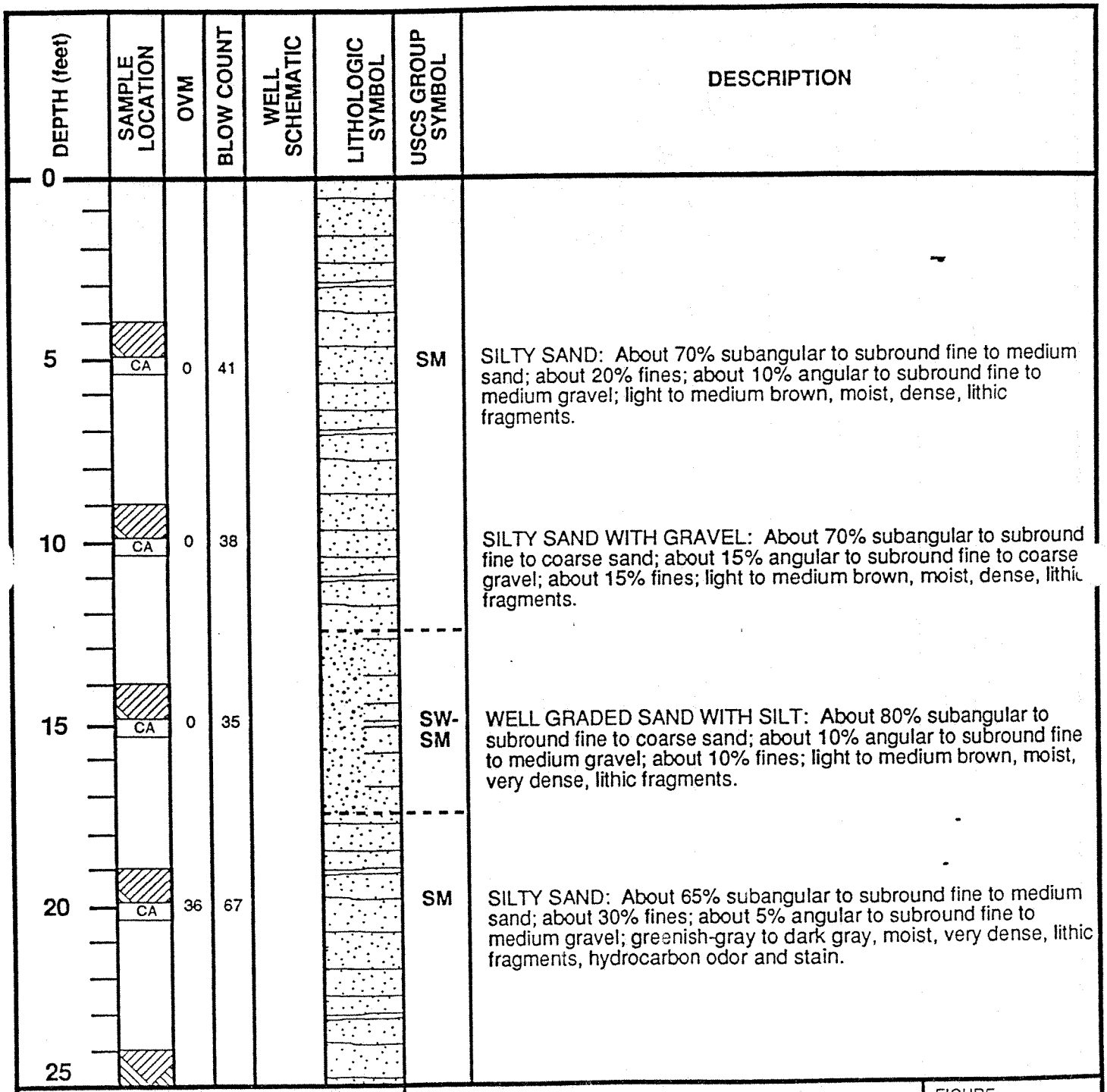
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-29-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-4



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-4

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-9

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

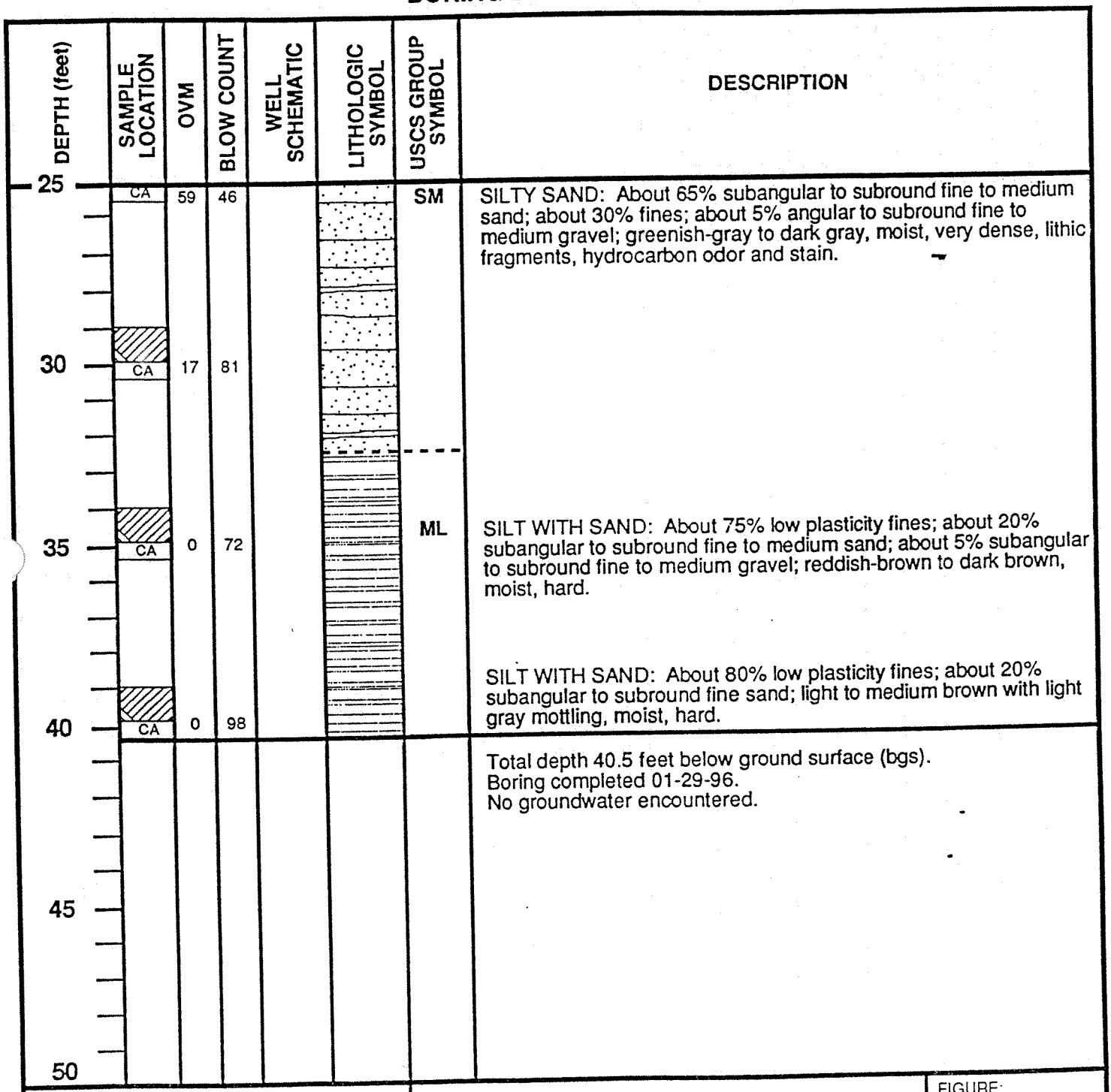
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-29-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-4



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-4

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-9

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

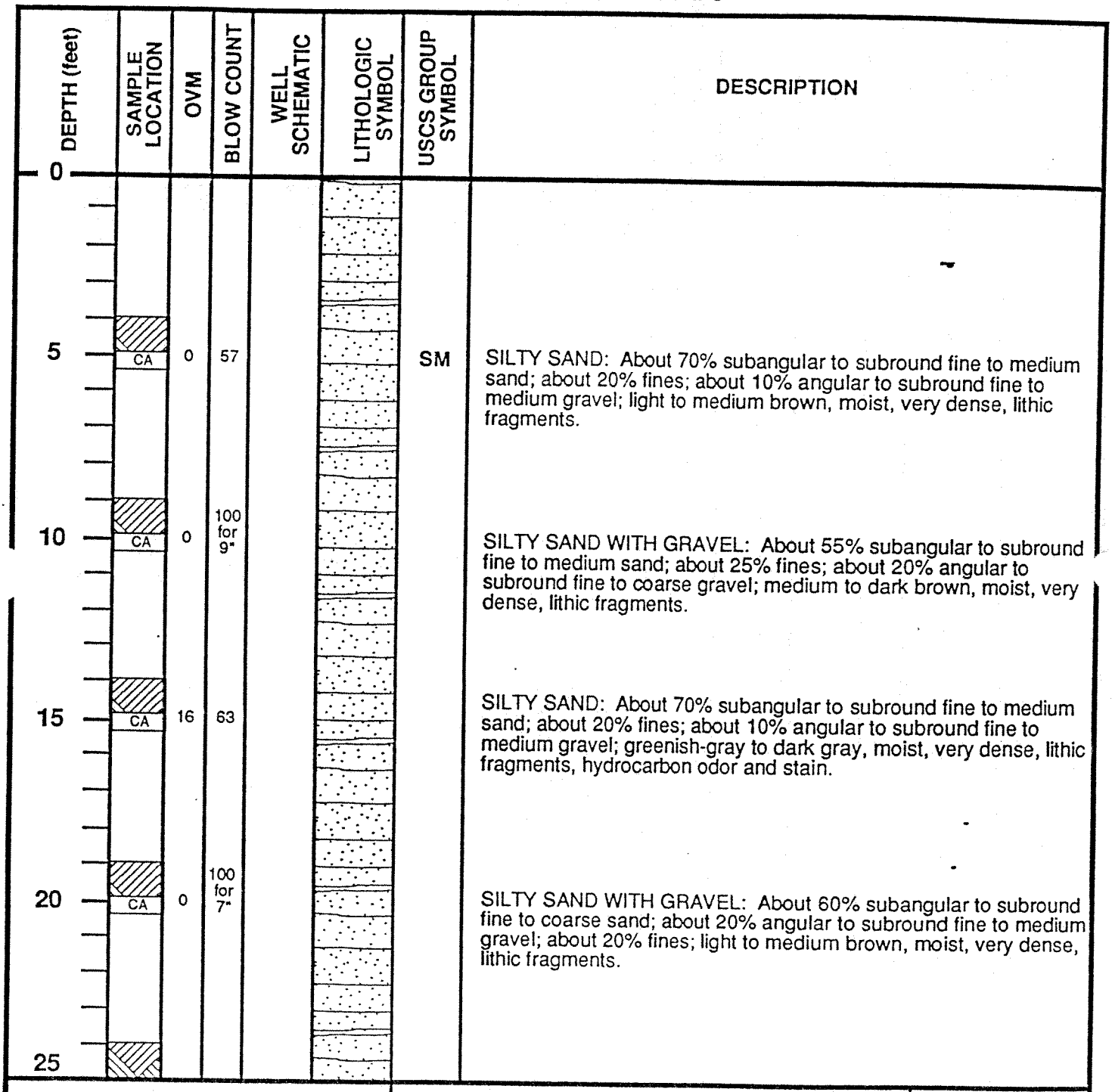
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-29-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-5



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-5

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-10

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

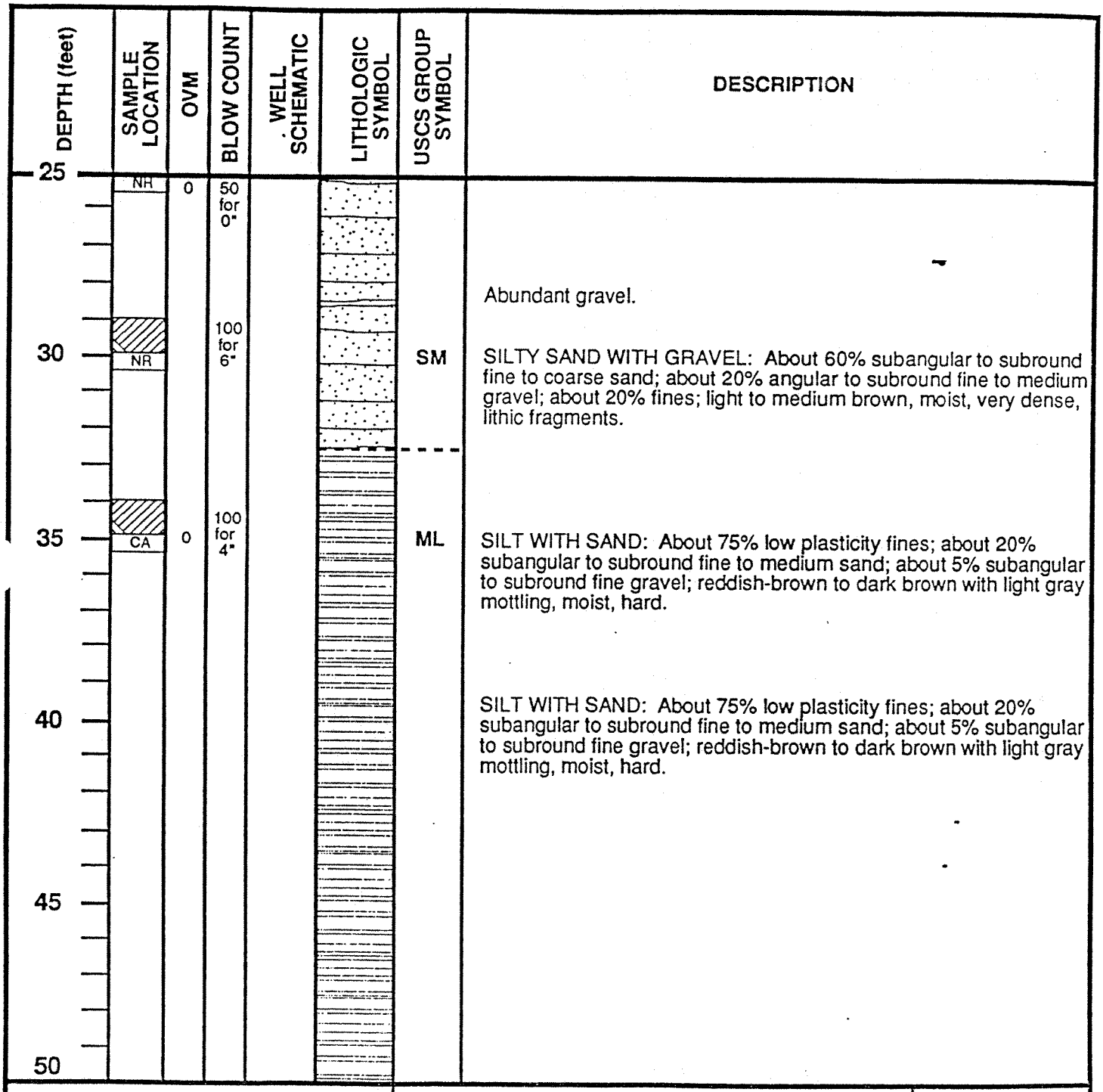
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-29-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-5



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-5

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-10

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-29-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-5

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
50						ML	Grab Sample: SILT WITH SAND: About 80% low plasticity fines; about 20% subangular to subround fine sand; light to medium brown with light gray mottling, moist.
55							
60							
65							Grab Sample: SANDY SILT: About 60% non-plastic fines; about 30% subangular to subround fine to medium sand; about 10% subangular to subround fine gravel; light to medium brown, moist, lithic fragments.
70							
75							

MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-5

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-10

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

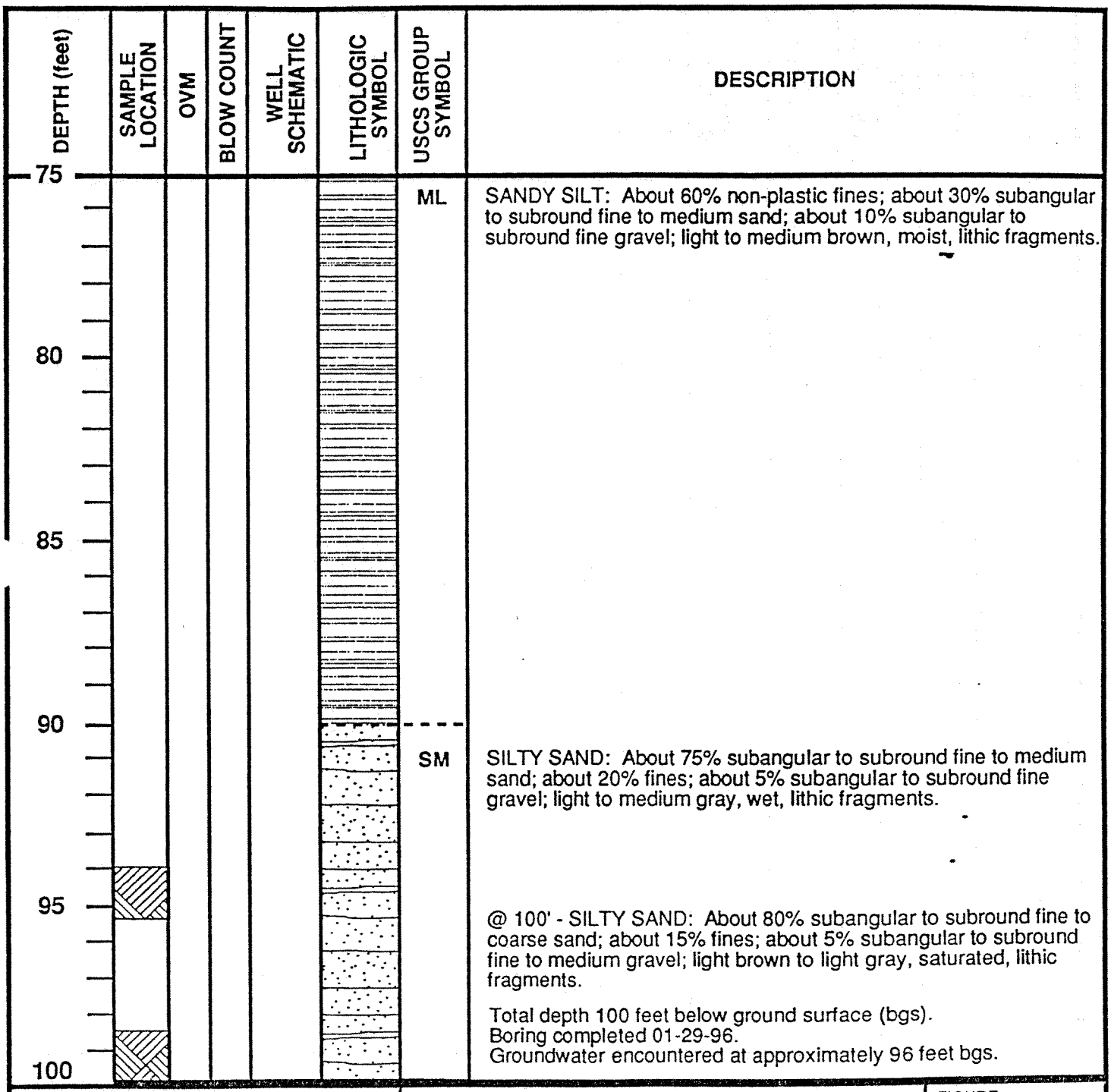
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-29-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-2-5



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-2-5

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-10

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

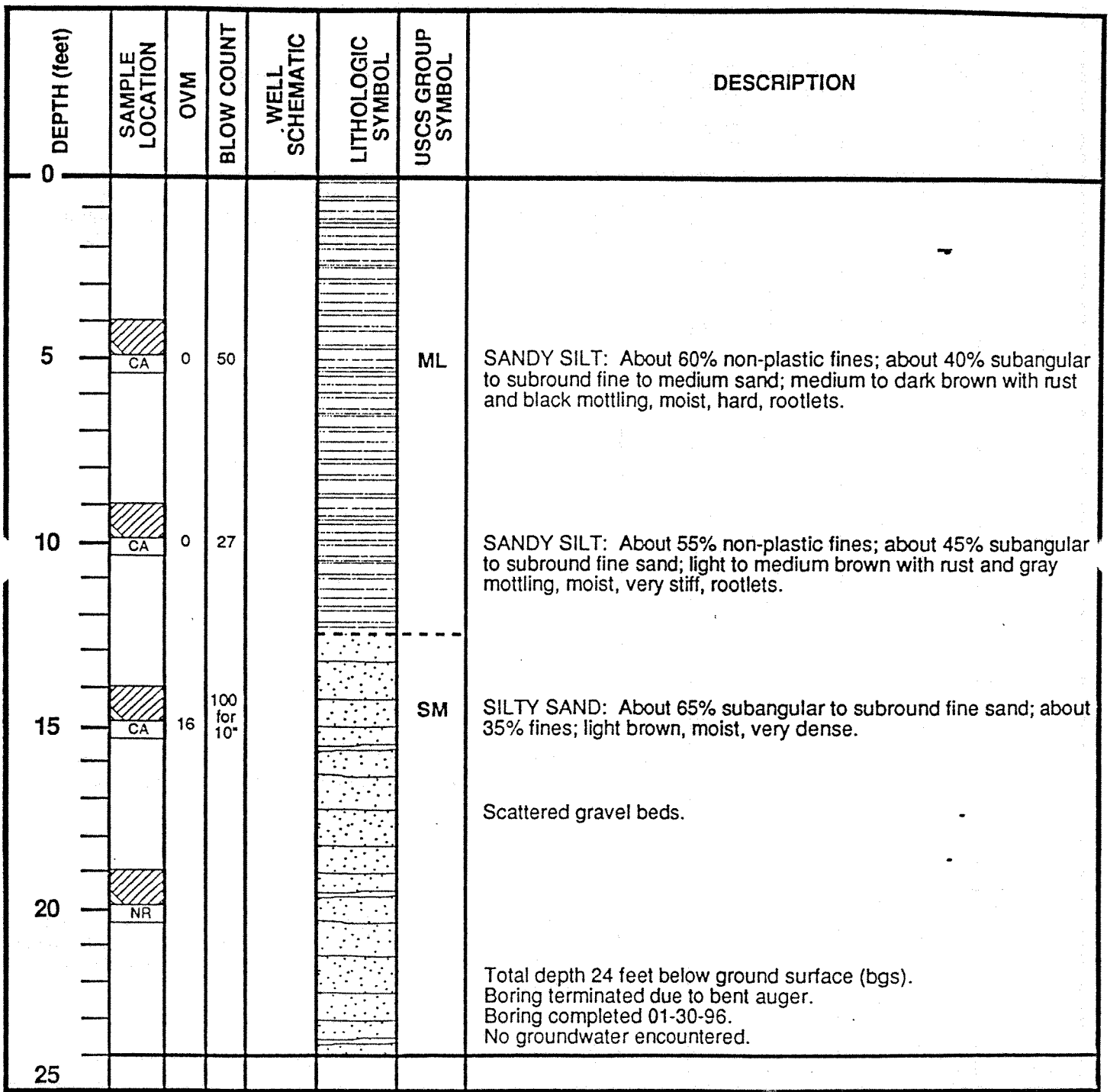
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-30-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-GP17-1



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-GP17-1

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-11

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

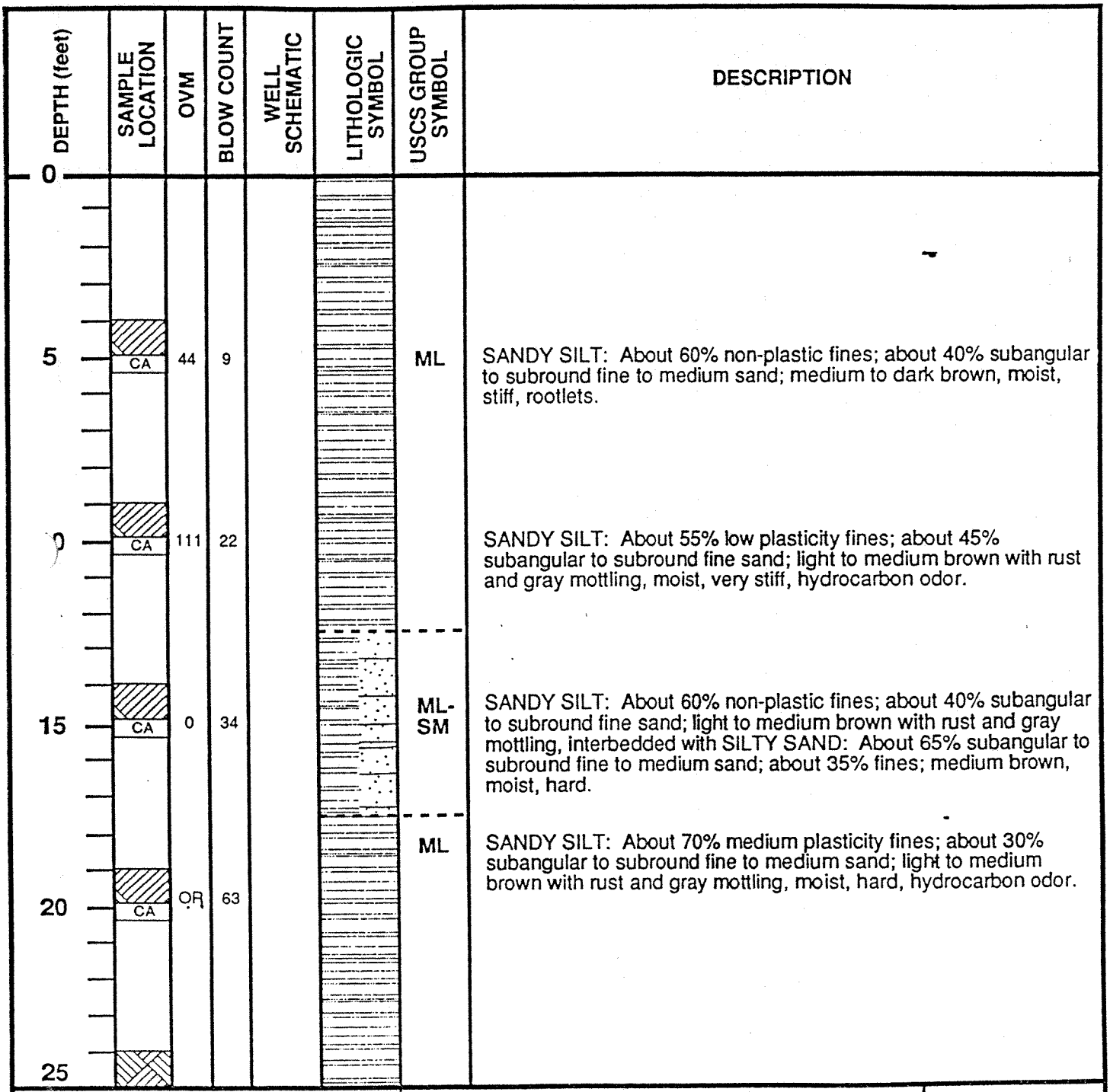
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-30-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-GP17-2



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-GP17-2

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-12

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

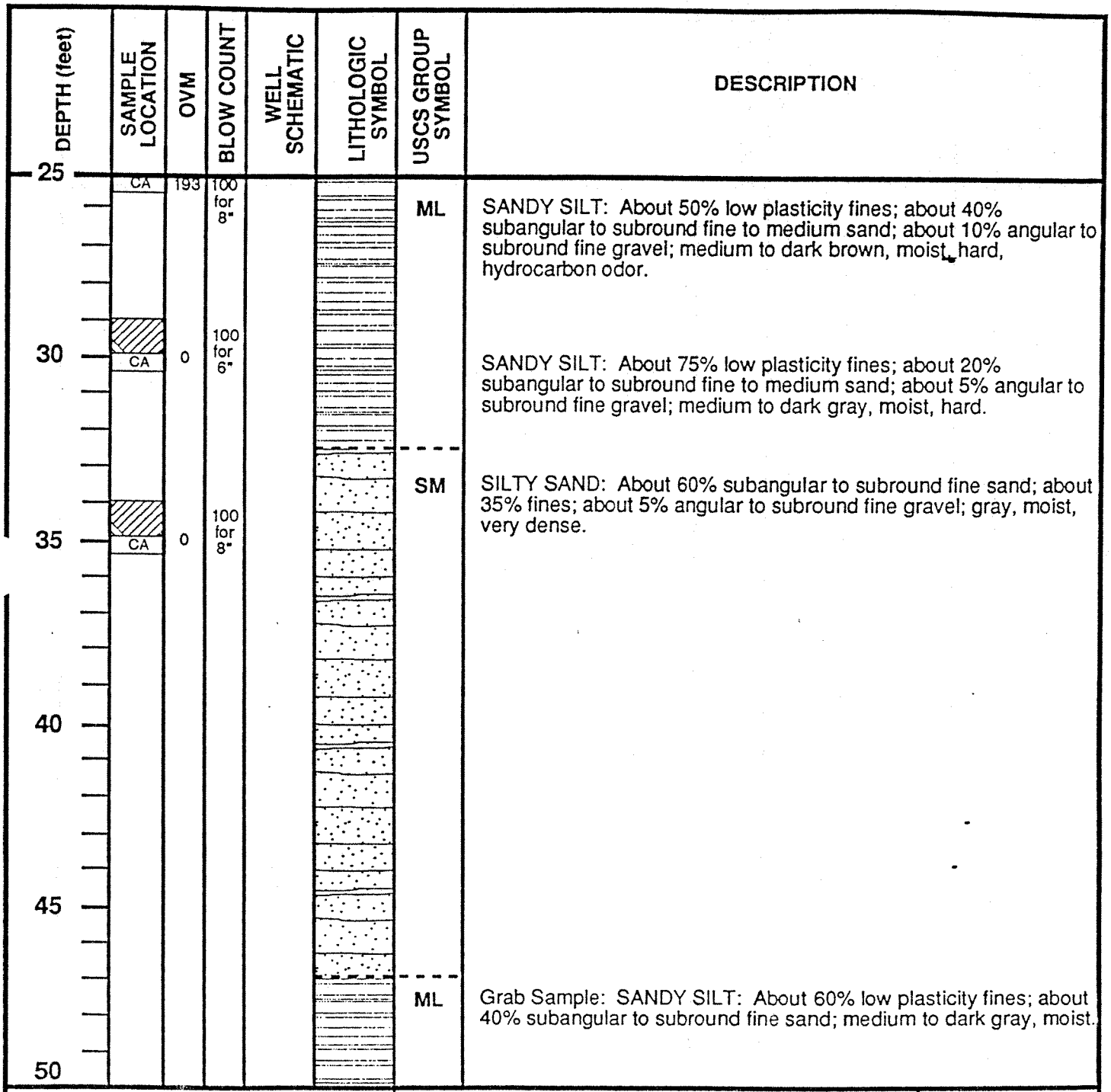
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-30-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-GP17-2



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-GP17-2

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-12

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-30-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-GP17-2

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
50						ML	SANDY SILT: About 60% low plasticity fines; about 40% subangular to subround fine sand; medium to dark gray, moist.
55							
60							
65							
70							Grab Sample: SANDY SILT: About 50% low plasticity fines; about 45% subangular to subround fine sand; about 5% subangular to subround fine gravel; light to medium brown with light and dark gray mottling and calcite veinlets, moist.
75							

MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-GP17-2

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-12

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-30-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-GP17-2

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
75						ML	SANDY SILT: About 50% low plasticity fines; about 45% subangular to subround fine sand; about 5% subangular to subround fine gravel; light to medium brown with light and dark gray mottling and calcite veinlets, moist.
80							SANDY SILT: About 70% low plasticity fines; about 30% subangular to subround fine sand; light to medium brown with rust mottling, moist, hard.
85							Total depth 84.5 feet below ground surface (bgs). Boring completed 01-30-96 Boring completed due to auger refusal. No groundwater encountered.
90							
95							
100							

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LOG OF SOIL BORING BS-GP17-2

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-12

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

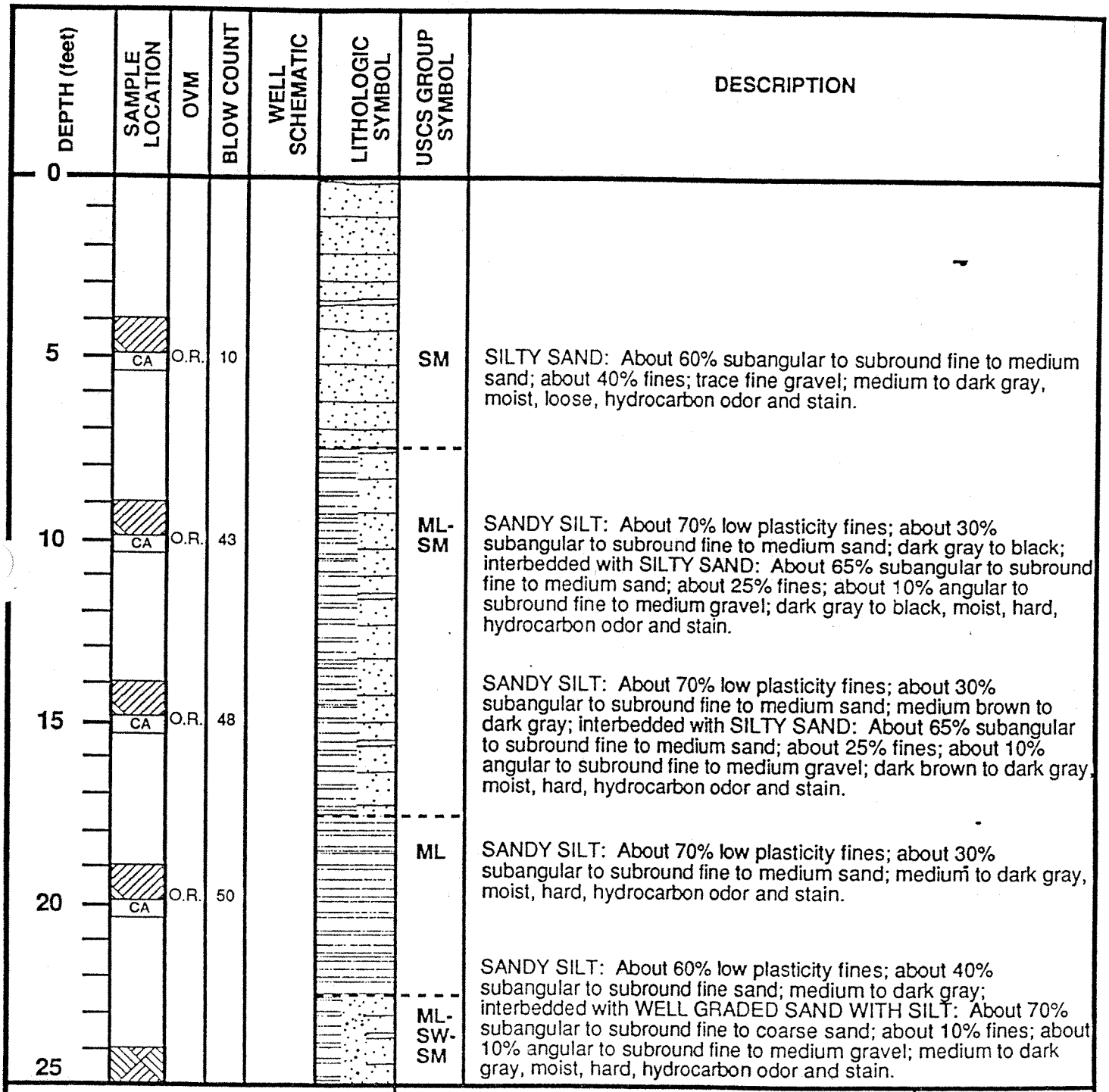
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-30-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-GP17-3



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LOG OF SOIL BORING BS-GP17-3

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-13

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-30-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-GP17-3

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
25	CA	O.R.	81			ML-SW-SM	SANDY SILT: About 60% low plasticity fines; about 40% subangular to subround fine sand; medium to dark gray; interbedded with WELL GRADED SAND WITH SILT: About 70% subangular to subround fine to coarse sand; about 10% fines; about 10% angular to subround fine to medium gravel; medium to dark gray, moist, hard, hydrocarbon odor and stain.
30	CA	O.R.	78				SANDY SILT: About 60% low plasticity fines; about 40% subangular to subround fine sand; greenish-gray to medium gray; interbedded with WELL GRADED SAND WITH SILT: About 70% subangular to subround fine to coarse sand; about 10% fines; about 10% angular to subround fine to medium gravel; greenish-gray to medium gray, moist, hard, hydrocarbon odor and stain.
35	CA	0	100			SM	SILTY SAND: About 75% subangular to subround fine to medium sand; about 20% fines; about 5% subangular to subround fine gravel; light to medium brown, moist, very dense.
40	CA	0	100 for 12"				SILTY SAND: About 60% subangular to subround fine to medium sand; about 35% fines; about 5% subangular to subround fine gravel; light to medium brown, moist, very dense.
45							Total depth 40.5 feet below ground surface (bgs). Boring completed 01-30-96 No groundwater encountered.
50							

MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-GP17-3

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-13

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-31-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-3-1

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
0						ML	SANDY SILT: About 70% medium plasticity fines; about 30% subangular to subround fine sand; light to medium brown, moist.
20							SANDY SILT: About 60% medium plasticity fines; about 40% subangular to subround fine sand; light to medium brown, moist.

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LOG OF SOIL BORING BS-3-1

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-14

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-31-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-3-1

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
25						ML	SANDY SILT: About 60% medium plasticity fines; about 40% subangular to subround fine sand; light to medium brown, moist.
30.							SANDY SILT: About 60% medium plasticity fines; about 40% subangular to subround fine to medium sand; light to medium brown, moist.
35							
40							SILT WITH SAND: About 75% medium plasticity fines; about 20% subangular to subround fine to medium sand; about 5% subangular to subround fine gravel; medium to dark brown, moist.
45							
50							SILT WITH SAND: About 80% medium plasticity fines; about 15% subangular to subround fine to medium sand; about 5% subangular to subround fine gravel; medium to dark brown, moist.

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LOG OF SOIL BORING BS-3-1

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE: B-14

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

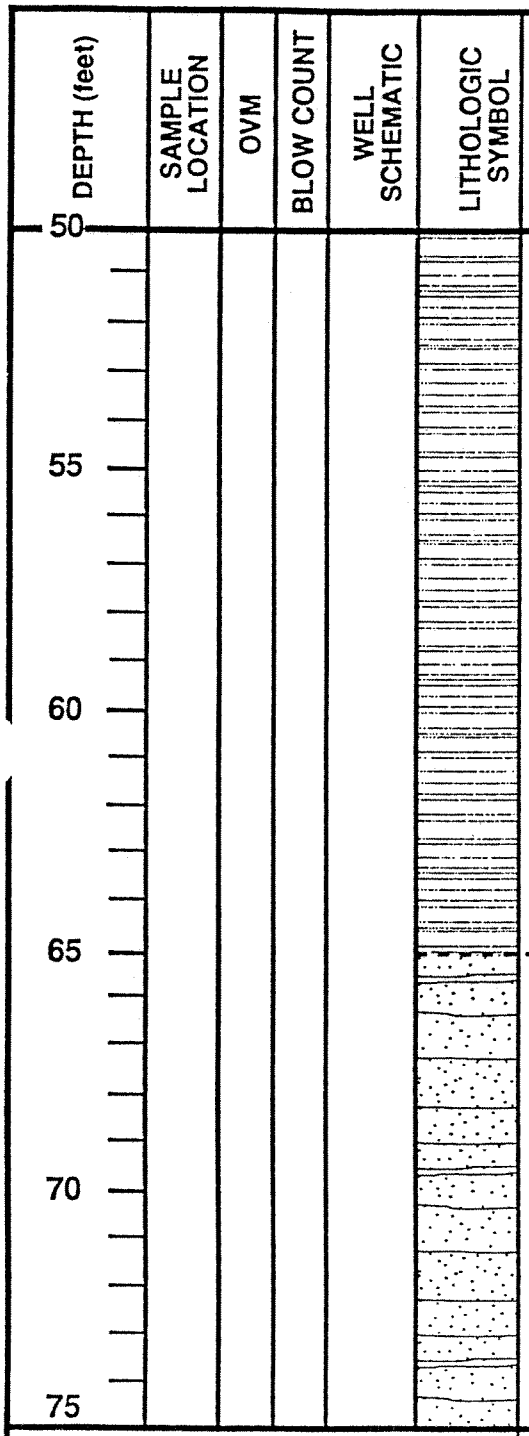
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-31-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-3-1



DESCRIPTION

SILT WITH SAND: About 80% medium plasticity fines; about 15% subangular to subround fine to medium sand; about 5% subangular to subround fine gravel; medium to dark brown, moist.

SILT WITH SAND: About 80% medium plasticity fines; about 15% subangular to subround fine to medium sand; about 5% subangular to subround fine gravel; medium to dark brown with light gray mottling and calcite veinlets, moist.

SILTY SAND: About 60% subangular to subround fine to medium sand; about 30% non-plastic fines; about 10% subangular to subround fine to medium gravel; light to medium brown, moist, lithic fragments.

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LOG OF SOIL BORING BS-3-1

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-14

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-31-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-3-1

DEPTH (feet)	SAMPLE LOCATION	OVM	BLOW COUNT	WELL SCHEMATIC	LITHOLOGIC SYMBOL	USCS GROUP SYMBOL	DESCRIPTION
75						SM	SILTY SAND: About 60% subangular to subround fine to medium sand; about 30% non-plastic fines; about 10% subangular to subround fine to medium gravel; light to medium brown, moist, lithic fragments.
80							SILTY SAND: About 50% subangular to subround fine to medium sand; about 40% non-plastic fines; about 10% subangular to subround fine to medium gravel; light to medium brown, moist, lithic fragments.
85							Scattered gravel beds.
90							SILTY SAND WITH GRAVEL: About 50% subangular to subround fine to medium sand; about 30% non-plastic fines; about 20% angular to subround fine to coarse gravel; light to medium brown, moist.
95							
100							

MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-3-1

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-14

CONFIDENTIAL

PROJECT: EXXON CASTAIC

METHOD OF DRILLING: HOLLOW STEM

DRILL RIG: CME-75

CASING ELEVATION: NA

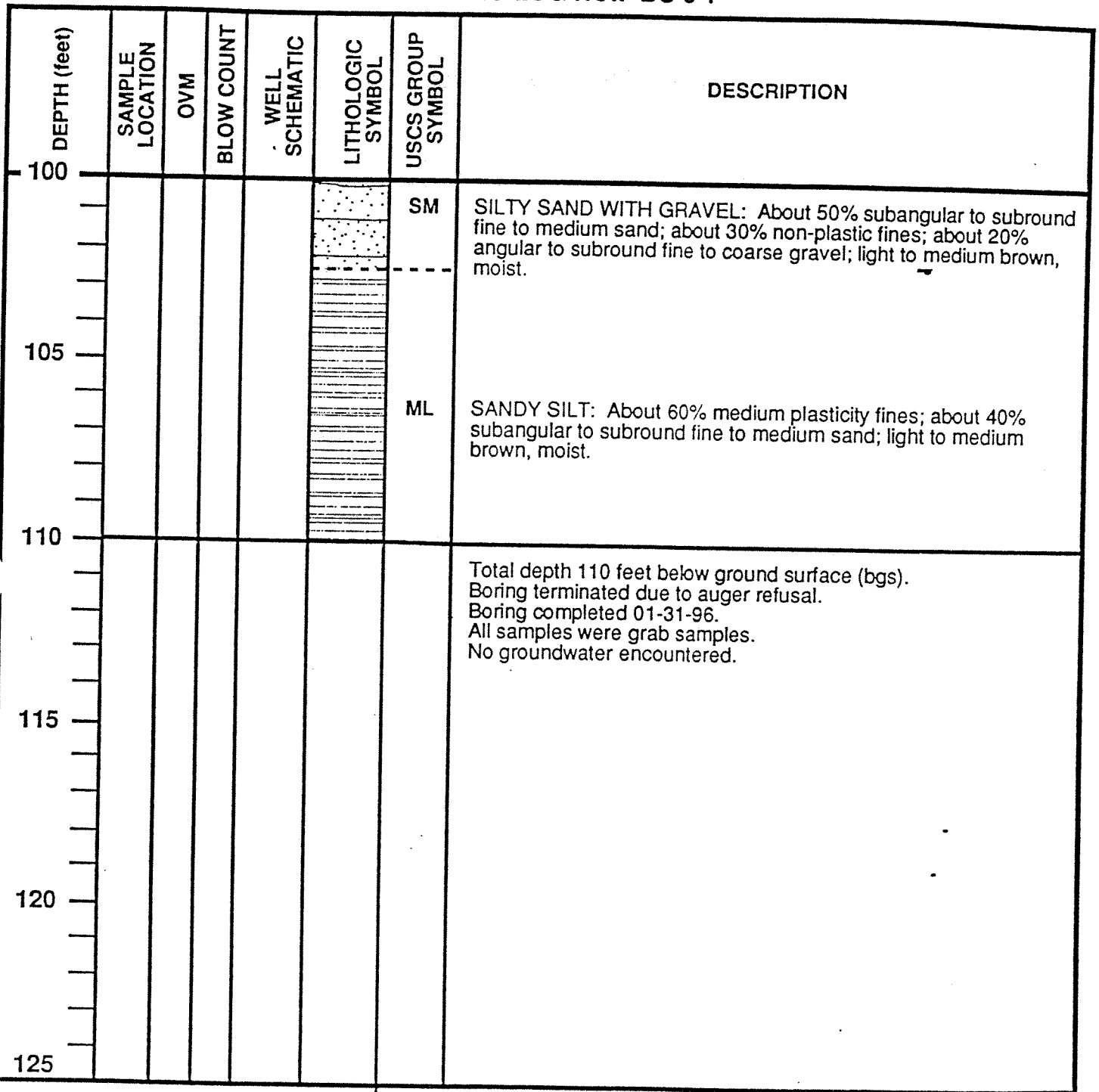
PROJECT NO.: 1317

LOGGED BY: C. ROHLFING

DATE: 01-31-96

SURFACE ELEVATION: NA

BORING LOG NO.: BS-3-1



MSE ENVIRONMENTAL, INC.

LOG OF SOIL BORING BS-3-1

EXXON Company, U.S.A.
Castaic Junction Production Field
Valencia, California

FIGURE:

B-14

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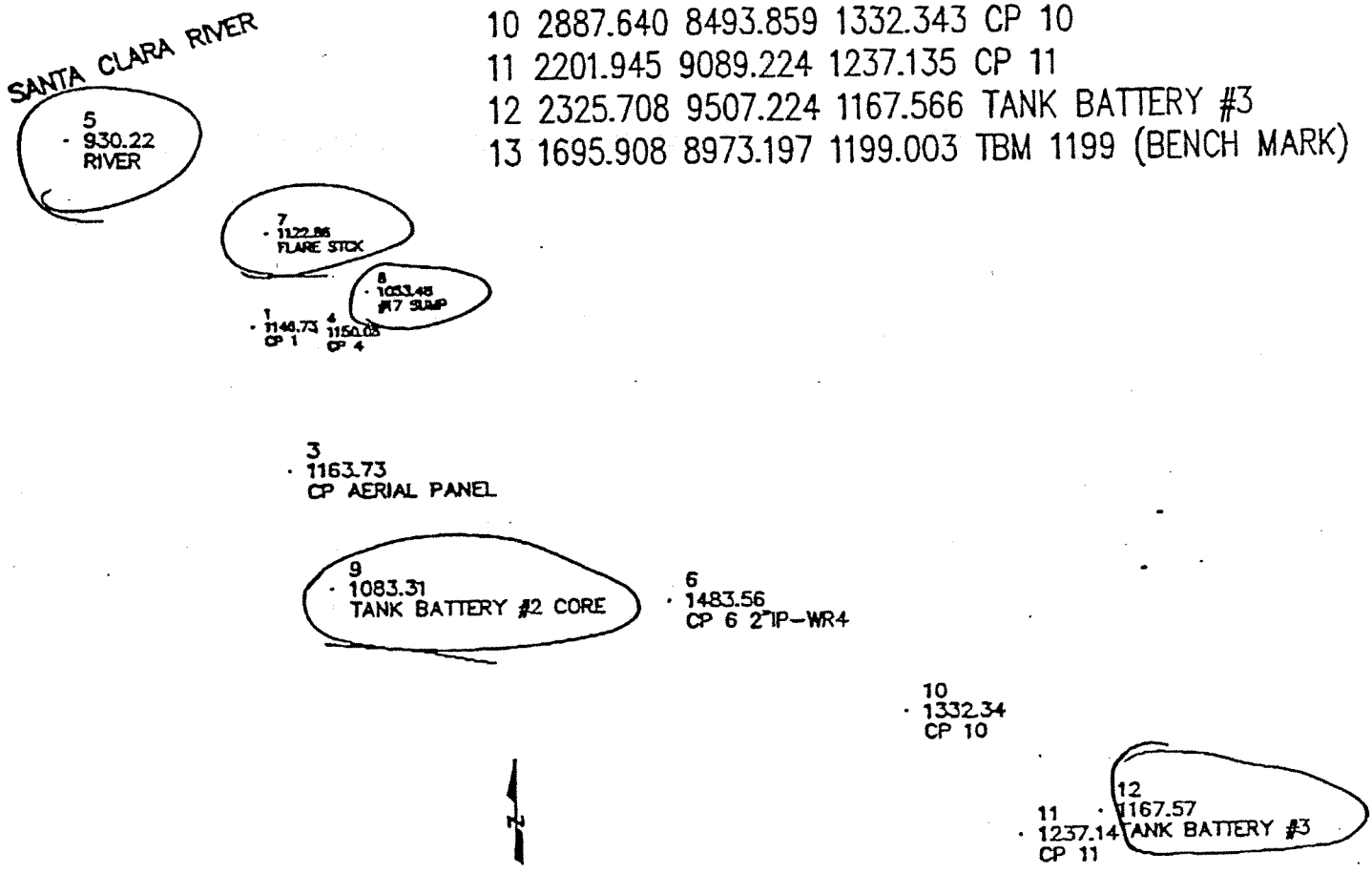
ATTACHMENT D: ELEVATION DATA

PT	NORTH	EAST	ELEV	DESC.
1	5000.000	5000.000	1146.730	CP 1 (CP=CONTROL POINT)
3	4225.503	5181.617	1163.735	CP AERIAL PANEL
4	4967.406	5331.178	1150.047	CP 4
5	6005.081	4033.445	930.221	RIVER
6	3492.880	7212.580	1483.561	CP 6 2"IP-WR4
7	5500.215	5077.564	1122.857	FLARE STACK
8	5179.529	5602.642	1053.480	#17 SUMP
9	3578.492	5392.347	1083.310	TANK BATTERY #2 CORE
10	2887.640	8493.859	1332.343	CP 10
11	2201.945	9089.224	1237.135	CP 11
12	2325.708	9507.224	1167.566	TANK BATTERY #3
13	1695.908	8973.197	1199.003	TBM 1199 (BENCH MARK)



WILLIAM L. MEAGHER SURVEYS 8766 BOISE STREET VENTURA, CA. 93004 (805) 647-6425	EXXON CASTAIC JCT. FIELD VALENCIA, CA. ELEVATION SURVEY
DRAWN BY: W.L.MEAGHER / DATE: FEB. 6, 1996	
JOB NO.: 96-010 / SHEET: 1 OF: 1	

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APPENDIX C: DEL MAR ANALYTICAL REPORTS

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 96

.xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
GP-17
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FF02593

Sampled: Jun 18, 19
Received: Jun 19, 19
Extracted: Jun 19, 19
Analyzed: Jun 19, 19
Reported: Jun 19, 19

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FF02593	GP17-E40E FA55'	N.D.	N.D.	N.D.	N.D.	N.D.
FF02594	GP17-E40E EWA 52'	N.D.	N.D.	N.D.	N.D.	N.D.
FF02595	GP17-E40E NWA 51'	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 9

Exxon, USA	Client Project ID:	Castaic Junction	Sampled: Jun 18, 19
P.O. Box 1600 ML-14		GP-17	Received: Jun 19, 19
Midland, TX 79702	Analysis Method:	EPA 3550/ Mod. 8015	Extracted: Jun 19, 19
Attention: Phil Marquez	Lab Number:	FF02593	Analyzed: Jun 19, 19
			Reported: Jun 19, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FF02593	GP17-E40E FA55'	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction GP-17
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FF02594

Sampled: Jun 18, 199
Received: Jun 19, 199
Extracted: Jun 19, 199
Analyzed: Jun 19, 199
Reported: Jun 19, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FF02594	GP17-E40E EWA 52'	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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:xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
GP-17
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FF02595

Sampled: Jun 18, 199
Received: Jun 19, 199
Extracted: Jun 19, 199
Analyzed: Jun 19, 199
Reported: Jun 19, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FF02595	GP17-E40E NWA 51'	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Jun 19, 19
Analyzed: Jun 19, 19
Reported: Jun 19, 19
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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:xon, USA
.'.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Jun 19, 199
Analyzed: Jun 19, 199
Reported: Jun 19, 199
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
Method Blank	N.D.	C8 - C12
	N.D.	C13 - C22
	N.D.	C23 - C40
Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 06/19/96

Sample #: FF02504

Batch #: FF19181S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limit	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.0082	1.1	0.93	0.98	83	89	5.9	86	≤10	70 - 120
Benzene	0.00061	0.10	0.096	0.095	95	94	1.1	95	≤17	80 - 126
Toluene	0.00018	0.10	0.095	0.093	95	93	1.6	94	≤9.5	73 - 123
Ethylbenzene	0	0.10	0.10	0.098	100	98	1.6	99	≤7.9	78 - 122
Xylenes	0.00052	0.30	0.30	0.30	100	99	1.5	100	≤8.4	75 - 121

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix Water

DATE: 6/19/96

SAMPLE #: Blank

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	0	2.5	2.2	2.4	88%	96%	8.7%	92%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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C8 - C12
C13 - C22
C23 - C

CHAIN OF CUSTODY FORM

Client Name/Address:	Project/PO Number:
Exxon Co USA	Castle Junction GP-17
Project Manager/Phone Number:	**Sampler:**
Phil Marquez 915-688-6248 F915688-6199	Mark Bolton F 805-295-8782

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	C8-C12 C13-C22 C23-C34	8015	8020	Special Instructions
GP17-E40E FASS	Soil	JAR	1	6/18/96 11:00		X	X		8015/8020-GAS/BTEX
GP17 E40E EWASS	Soil	↓	↓	11:05		X	X		8015 DIESEL
GP17 E40E NW ASS	Soil	↓	↓	11:10		X	X		(RO) C/M/HL

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Relinquished By:	Date /Time:	Received by:	Date /Time:
Mark Bolton	6-18 2:36		6/18/96 2:36
Relinquished By:	Date /Time:	Received by:	Date /Time:
	6/18/96	FedX	6/18/96
Relinquished By:	Date /Time:	Received in Lab by:	Date /Time:
Fed-Ex	6/19/96		6/19/96 9:45 AM

Turnaround Time: (check)			
same day		72 hours	
24 hours	✓	5 days	
48 hours		normal	

Sample Integrity: (Check)			
intact	✓	on ice	✓

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FF01976

Sampled: Jun 12, 19
Received: Jun 14, 19
Extracted: Jun 14, 19
Analyzed: Jun 14, 19
Reported: Jun 14, 19

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FF01976	GP17-EB50 E40-A	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-13

Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FF01977

Sampled: Jun 13, 1996
Received: Jun 14, 96
Extracted: Jun 14, 1996
Analyzed: Jun 14, 1996
Reported: Jun 14, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FF01977	GP17-EW35A	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FF01976

Sampled: Jun 12, 199
Received: Jun 14, 199
Extracted: Jun 14, 199
Analyzed: Jun 14, 199
Reported: Jun 14, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FF01976	GP17-EB50 E40-A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FF01977

Sampled: Jun 1[illegible] 19[illegible]
Received: Jun [illegible] 19[illegible]
Extracted: Jun 14, 19[illegible]
Analyzed: Jun 14, 19[illegible]
Reported: Jun 14, 19[illegible]

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FF01977	GP17-EW35A	1.3	C8 - C12
		26	C13 - C22
		13	C23 - C40
	Total Hydrocarbons	**40**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Jun 14, 1
Analyzed: Jun 14, 1
Reported: Jun 14, 1
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Jun 14 199
Analyzed: Jun 1 99
Reported: Jun 14, 199
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	
Method Blank	N.D.	C8 - C12	N.A.
	N.D.	C13 - C24	N.A.
	N.D.	C25 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 06/14/96

Sample #: FF01635

Batch #: FF14191S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limit	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.079	1.1	1.0	1.1	84	94	10	89	≤13	70 - 130
Benzene	0	0.10	0.10	0.10	104	101	2.5	102	≤12	70 - 120
Toluene	0	0.10	0.10	0.10	103	100	2.5	102	≤12	70 - 115
Ethylbenzene	0	0.10	0.10	0.10	103	100	2.6	102	≤12	75 - 115
Xylenes	0	0.30	0.32	0.31	105	103	2.4	104	≤11	77 - 115

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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CORRECTIVE ACTION REPORT

Department:	Diesel	Date:	6/14/96
Method:	8015mod.	Matrix:	Soil

Identification and Definition of Problem:

The Percent Recoveries (PR) of TPH for the Matrix Spike and Matrix Spike Duplicate were outside of acceptance limits.

Determination of the Cause of the Problem:

The sample that was used as the matrix spike was not homogeneous. The subsample used for the Matrix Spike and Matrix Spike Duplicate contained different amounts of TPH than the original subsample, which affected the TPH percent recovery.

Corrective Action:

The Laboratory Control Sample had a recovery within acceptance limits, which validates the analytical batch. In addition, all surrogates in the samples were within acceptable limits. No further corrective action could be taken since the problem can be attributed to matrix effects.

QA/QC Officer Signature: Dixie Ranck Date: 6/19/96

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 6/14/96

SAMPLE #: FF01977

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	40	50	62	64	44%	48%	3.2%	46%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: _____

PAGE: _____ OF _____

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Phil Marquez 915-688-6246

ADDRESS: PO Box 1600 ML#4 Midland TX 79702 (F)915-688-6199

PROJECT CONTACT: Mark Bolton PHONE NO: (E)505 295-8782 (E)505-295-8701

CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Mark Bolton SAMPLER'S SIGNATURE:

EXXON RAS NO:

EXXON SITE LOCATION: Eastaric Junction

EXXON ENGINEER:

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504			
GP17-EB50 E40-A	6-12	8:20	Soil		1	✓		✓									
GP17-~~EW~~ 35A	6-13	11:30	Soil		1	✓		✓									

ANALYSIS

REMARKS:

24 hr

LACDPW FORMAT:

YES ___ NO ___

TURNAROUND TIME:

24 HR ✓

48 HR ___

72 HR ___

96 HR ___

5 DAYS ___

10 DAYS ___

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RELINQUISHED BY:	DATE/TIME: 6-13-96 3:30	RECEIVED BY:	DATE/TIME: 6/13/96 3:30
RELINQUISHED BY:	DATE/TIME: 6/13/96	RECEIVED BY:	DATE/TIME: 6/13/96
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:	DATE/TIME: 6/13/96 9:15

SAMPLE INTEGRITY:

IN ✓

ON ICE ✓

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FF01550

Sampled: Jun 11,
Received: Jun 12,
Extracted: Jun 12,
Analyzed: Jun 12,
Reported: Jun 13,

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FF01550	GP17E Bottom-55'	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FF01551

Sampled: Jun 12 199
Received: Jun 1 99
Extracted: Jun 12, 199
Analyzed: Jun 12, 199
Reported: Jun 13, 199

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FF01551	GP17EW-55'	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FF01550

Sampled: Jun 11, 1
Received: Jun 12, 1
Extracted: Jun 12, 1
Analyzed: Jun 12, 1
Reported: Jun 13, 1

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FF01550	GP17E Bottom-55'	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Project Manager

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FF01551

Sampled: Jun 12, 1996
Received: Jun 12, 1996
Extracted: Jun 12, 1996
Analyzed: Jun 12, 1996
Reported: Jun 13, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FF01551	GP17EW-55'	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Jun 12, 199
Analyzed: Jun 12, 199
Reported: Jun 13, 199
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.

Detection Limit:	1.0	0.0050	0.0050	0.0050	0.015

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-

Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Jun 1[illegible] 199
Analyzed: Jun 1[illegible] 199
Reported: Jun 13, 199
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
Method Blank	N.D.	C8 - C12
	N.D.	C13 - C22
	N.D.	C23 - C40
Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1

MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 6/12/96

SAMPLE #: Blank

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	0	50	44	43	88%	86%	2.3%	87%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-133

MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 06/12/96

Sample #: FF01706

Batch #: FF12151S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.011	1.1	1.0	1.0	92	91	1.6	92	≤10	85 - 130
Benzene	0	0.10	0.092	0.094	92	94	1.3	93	≤3.8	85 - 115
Toluene	0	0.10	0.091	0.092	91	92	1.3	92	≤3.9	87 - 117
Ethylbenzene	0	0.10	0.095	0.096	95	96	1.2	95	≤4.0	87 - 1
Xylenes	0	0.30	0.29	0.29	95	96	1.1	96	≤4.1	88 - 118

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by in-house Control Charts

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 6-11-96

PAGE: 1 OF 1

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Pat Marquez 915 688-6248

ADDRESS: PO Box 1600 ML #14 Midland TX 79702 (F) 915 688-6149

PROJECT CONTACT: Mark Bolton 805-245-8701 PHONE NO: (F) 805-245-8782

CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Mark Bolton SAMPLER'S SIGNATURE: Mark Bolton

EXXON RAS NO:

EXXON SITE LOCATION:

EXXON ENGINEER:

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504
GP17E bottom 55'	6-11-96	1:23	Soil	✓	1	✓	~~✓~~	✓						
GP17E40-55'	6-12-96	7:00	Soil	✓	1	✓		✓						

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REMARKS: 24hr

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:
- 24 HR X
- 48 HR
- 72 HR
- 96 HR
- 5 DAYS
- 10 DAYS

SAMPLE INTEGRITY:
- INTACT Y
- ON ICE X

RELINQUISHED BY: Mark Bolton	DATE/TIME: 6-12-96 7:18am	RECEIVED BY: Sherrie Bright 6/12/96 7:18Am
RELINQUISHED BY:	DATE/TIME: 6/12/96 1037	RECEIVED BY: Brigman 6/12 145
RELINQUISHED BY: 6/12/96	DATE/TIME: 1130	RECEIVED IN LAB BY: 6/12/96 1037

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE03437

Sampled: May 16, 1
Received: May 21, 1
Extracted: May 21-22, 1
Analyzed: May 21-22, 1
Reported: May 22, 1

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE03437	GP 17F2A	N.D.	N.D.	N.D.	N.D.	N.D.
FE03438	GP 17F1A	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Gary Steube
Laboratory Director

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.xon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE03439

Sampled: May 20, 199
Received: May 21, 199
Extracted: May 22, 199
Analyzed: May 22, 199
Reported: May 22, 199

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE03439	GP 17SEWA	97	0.27	0.22	0.29	0.26
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE03440

Sampled: May 20, 199
Received: May 21, 199
Extracted: May 22, 199
Analyzed: May 22, 199
Reported: May 22, 199

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE03440	GP 17EWA	220	N.D.	0.017	0.0093	0.10
Detection Limit:		**12**	**0.060**	**0.060**	**0.060**	**0.18**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 12.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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:xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE03437

Sampled: May 16, 19
Received: May 19
Extracted: May 22, 19
Analyzed: May 22, 19
Reported: May 22, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE03437	GP 17F2A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE03438

Sampled: May 16, 19
Received: May 21, 19
Extracted: May 22, 19
Analyzed: May 22, 19
Reported: May 22, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE03438	GP 17F1A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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Exxon, USA	Client Project ID: Castaic Junction	Sampled: May 20 199
P.O. Box 1600 ML-14		Received: May 2[illegible] 99
Midland, TX 79702	Analysis Method: EPA 3550/ Mod. 8015	Extracted: May 22, 199
Attention: Phil Marquez	Lab Number: FE03439	Analyzed: May 22, 199
		Reported: May 22, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE03439	GP 17SEWA	220	C8 - C12
		720	C13 - C22
		210	C23 - C40
	Total Hydrocarbons	**1,200**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE03440

Sampled: May 20, 19
Received: May 21, 19
Extracted: May 22, 19
Analyzed: May 22, 19
Reported: May 22, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE03440	GP 17EWA	250	C8 - C12
		1,100	C13 - C22
		250	C23 - C40
	Total Hydrocarbons	**1,600**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Laboratory Director

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xxon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 21-2[illegible] 199
Analyzed: May 21-2[illegible] 199
Reported: May 22, 199
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Laboratory Director

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xxon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 22, 19
Analyzed: May 22, 19
Reported: May 22, 19
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
Method Blank	N.D.	C8 - C12
	N.D.	C13 - C22
	N.D.	C23 - C40
Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 05/21/96

Sample #: BLANK

Batch #: FE21141S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limi	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0	1.1	1.1	1.2	103	108	4.7	105	≤10	81 - 130
Benzene	0	0.10	0.095	0.095	95	95	0.40	95	≤4.4	86 - 120
Toluene	0	0.10	0.097	0.096	97	96	0.81	96	≤4.0	87 - 119
Ethylbenzene	0	0.10	0.10	0.099	100	99	0.98	100	≤3.9	88 - 8
Xylenes	0	0.30	0.32	0.31	106	105	1.3	105	≤3.8	83 - 125

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by in-house Control Charts

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-13

MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 5/22/96

SAMPLE #: FE03505

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	200	50	260	230	120%	60%	12.2%	90%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 5-20-96

PAGE: _____ OF _____

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Phil Marquez

ADDRESS: Exxon USA, PO Box 1600 Midland Tx 79707 ML 14

PROJECT CONTACT:

PHONE NO: 915-688-6248

CONSULTANT PROJECT NO:

CONSULTANT WORK RELEASE NO:

Fax 915 688-6199

SAMPLED BY (PRINT NAME): Mark Bolton

SAMPLER'S SIGNATURE: Fax 505-295-8782

EXXON RAS NO:

EXXON SITE LOCATION: Castle Junction

EXXON ENGINEER: P. Marquez

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504			
GP 17 F2A	5-16-96	2:10	Soil	None	1	V		V									
GP 17 F1A	5-16-96	2:10	Soil	None	1	V		V									
GP 17 SEWA	5-21-96*	10:30	"	"	1	V		V									
GP 17 EWA	5-21-96	10:35	"	"	1	V		V									

*collection date for GP17SEWA, GP17EWA is 5/20/96 per MARK BOLTON/EXXON 5/24/96 0830 (KD)

REMARKS:

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:

24 HR X

48 HR ___

72 HR ___

96 HR ___

5 DAYS ___

10 DAYS ___

SAMPLE INTEGRITY:

INTACT X

ON ICE X

RELINQUISHED BY: Mark Bolton	DATE/TIME: 1:09 5/20/96	RECEIVED BY:	DATE/TIME: 5/20 1:09 PM
RELINQUISHED BY:	DATE/TIME: 5/20 4:20	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY: C Brannan	DATE/TIME: 5/21 920

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JUN 17 1996

xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE02719

Sampled: May 15, 1
Received: May 16, 1
Extracted: May 17, 1
Analyzed: May 17, 1
Reported: May 17, 1

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE02720	GP-17-W-A	N.D.	N.D.	N.D.	N.D.	N.D.
FE02721	GP-17-S-A	4.1	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE02719

Sampled: May 1[illegible] 199
Received: May 1[illegible] 199
Extracted: May 17, 199
Analyzed: May 17, 199
Reported: May 17, 199

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE02719	Cooling Tower A&B	330	N.D.	N.D.	0.030	1.7
Detection Limit:		**6.0**	**0.030**	**0.030**	**0.030**	**0.090**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 6.

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02719

Sampled: May 15, 1
Received: May 16, 1
Extracted: May 17, 1
Analyzed: May 17, 1
Reported: May 17, 1

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02719	Cooling Tower A&B	560	C4 - C12
		580	C13 - C22
		100	C23 - C40
	Total Hydrocarbons	**1,200**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 22.

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.xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02720

Sampled: May 15 996
Received: May 16, 996
Extracted: May 17, 1996
Analyzed: May 17, 1996
Reported: May 17, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02720	GP-17-W-A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02721

Sampled: May 15, 19
Received: May 16, 19
Extracted: May 17, 19
Analyzed: May 17, 19
Reported: May 17, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02721	GP-17-S-A	4.0	C8 - C12
		21	C13 - C22
		8.0	C23 - C40
Total Hydrocarbons		**33**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil
First Sample #: FE02719

Sampled: May 15, 1996
Received: May 16, 1996
Extracted: May 16, 1996
Analyzed: May 20, 1996
Reported: May 20, 1996

ETHYLENE GLYCOL by MODIFIED 8015 (GC/FID)

Laboratory Number	Sample Description	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
FE02719	Cooling Tower A&B	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
P.O. Box 1600 ML-14
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Attention: Phil Marquez

Client Project ID: Castaic Junction
Sample Descript: Soil, Cooling Tower A&B
Lab Number: FE02719

Sampled: May 15, 19
Received: May 16, 19
Extracted: May 17, 19
Analyzed: May 17, 19
Reported: May 17, 19

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		52
Beryllium	6010	0.75	75	0.10		N.D.
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		12
Cobalt	6010	80	8000	0.50		3.8
Copper	6010	25	2500	0.50		6.0
Lead	6010	5.0	1000	1.0		1.6
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	0.50		N.D.
Nickel	6010	20	2000	0.50		8.9
elenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		17
Zinc	6010	250	5000	0.50		24

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
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Att: Phil Marquez

Client Project ID: Castaic Junction
Sample Descript: Cooling Tower
Analysis Method: See below
Lab Number: FE02719

Sampled: May 15, 1996
Received: May 16, 1996
Analyzed: May 21-25, 1996
Reported: May 30, 1996

STATIC ACUTE HAZARDOUS WASTE BIOASSAY - DEFINITIVE

Species: Pimephales promelas
Common Name: Fathead Minnows

Mean length: 28 mm
Min. length: 23 mm
Max. length: 35 mm
Mean weight: 0.19 g
Min. weight: 0.10 g
Max. weight: 0.38 g

Organisms/Tank: 10
Organisms/Conc.: 20
Tank Depth: 13 cm
Tank Volume: 10 L
Supplier: Aquatic Biosystems
Acclimation Temp.: 20 C

Control Water: Synthetic Softwater
Hardness 40-48

	Alkalinity, mg/L		Hardness, mg/L	
	Initial	Final	Initial	Final
Control	16	34	20	30
1000 ppm	30	46	29	43
Duplicate 1000 ppm	22	42	21	34

	Initial			24 Hr				48 Hr				72 Hr				96 Hr				Total
DATE	May 21, 1996			May 22, 1996				May 23, 1996				May 24, 1996				May 25, 1996				
	DO mg/L	C Temp	pH Units	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	Dead
Control	4.3	18	7.9	7.8	19	7.2	0	7.5	20	6.6	0	6.4	17	7.2	0	6.5	19	7.3	0	0
100 ppm	5.2	18	7.6	7.5	19	7.3	0	7.5	20	7.1	0	6.1	17	7.3	0	6.0	19	7.4	0	0
250 ppm	5.4	18	7.6	6.8	19	7.2	0	7.4	20	7.2	0	6.0	17	7.4	0	6.5	19	7.4	0	0
500 ppm	5.6	18	7.6	7.3	19	7.4	0	7.4	20	7.2	0	5.9	17	7.4	0	6.1	19	7.6	0	0
750 ppm	5.8	18	7.6	7.5	19	7.5	0	7.5	20	7.3	0	6.0	17	7.5	0	6.4	19	7.0	0	0
1000 ppm	5.9	18	7.6	7.5	19	7.5	0	7.5	20	7.4	0	6.1	17	7.5	0	6.1	19	7.5	0	0

Duplicate	DO mg/L	C Temp	pH Units	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	#M Dead	Total Dead
100 ppm	5.1	18	7.6	6.2	19	7.2	0	6.0	20	6.9	0	6.0	17	7.3	0	6.3	19	7.5	0	0
250 ppm	5.6	18	7.6	7.3	19	7.3	0	7.2	20	7.2	0	5.8	17	7.4	0	6.0	19	7.5	0	0
500 ppm	5.7	18	7.6	7.4	19	7.5	0	7.4	20	7.3	0	6.1	17	7.5	0	6.1	19	7.5	0	0
750 ppm	5.8	18	7.6	7.5	19	7.5	0	7.5	20	7.3	0	6.1	17	7.5	0	6.4	19	7.6	0	0
1000 ppm	5.9	18	7.6	7.4	19	7.5	0	7.3	20	7.4	0	6.0	17	7.5	0	6.0	19	7.6	0	0

LC-50: >1000ppm
LC-50 Calculation Method: Binomial

Remarks:

Analyst: A. Burrus
Method Reference: Static Acute Bioassay Procedures for Hazardous Waste Samples, November 1988, California Department of Fish and Game WPCL.

DEL MAR ANALTYICAL (ELAP #1855)

Wendy Thomas
Laboratory Manager

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 17, 199
Analyzed: May 17, 199
Reported: May 17, 199
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 17 199
Analyzed: May 1 99
Reported: May 17, 199
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C4 - C12	N.A.
	N.D.	C13 - C22	N.A.
	N.D.	C23 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 16, 199
Analyzed: May 20, 199
Reported: May 20, 199
Matrix Soil

ETHYLENE GLYCOL by MODIFIED 8015 (GC/FID)

Laboratory Description	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Method Blank	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 17, 1996
Analyzed: May 17, 96
Reported: May 17, 1996
Matrix Soil

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		N.D.
Beryllium	6010	0.75	75	0.10		N.D.
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		N.D.
Cobalt	6010	80	8000	0.50		N.D.
Copper	6010	25	2500	0.50		N.D.
Lead	6010	5.0	1000	1.0		N.D.
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	0.50		N.D.
Nickel	6010	20	2000	0.50		N.D.
elenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		N.D.
Zinc	6010	250	5000	0.50		N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 05/17/96

Sample #: FE02720

Batch #: FE17141S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.0064	1.1	1.2	1.2	106	112	5.0	109	≤10	81 - 129
Benzene	0	0.10	0.099	0.10	99	100	1.0	99	≤3.5	83 - 115
Toluene	0.00032	0.10	0.098	0.099	98	99	1.0	98	≤3.8	82 - 115
Ethylbenzene	0	0.10	0.099	0.10	99	100	1.2	100	≤4.0	82 - 115
Xylenes	0.00053	0.30	0.32	0.32	105	106	1.3	106	≤4.4	83 - 115

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by in-house Control Charts

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-133

MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: SOIL

Date: 5/17/96

Sample #: FE02722

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Aluminum	0	1000	1077	1149	108%	115%	6.5%	111%
Antimony	0	1000	923	977	92%	98%	5.7%	95%
Arsenic	0	1000	946	1093	95%	109%	14.4%	102%
Beryllium	86	1000	1003	1069	92%	98%	6.4%	95%
Cadmium	0	1000	908	987	91%	99%	8.3%	95%
Chromium	0	1000	978	1133	98%	113%	14.7%	106%
Cobalt	0	1000	950	1061	95%	106%	11.0%	101%
Copper	144	1000	1114	1202	97%	106%	7.6%	101%
Lead	0	1000	891	984	89%	98%	9.9%	94%
Molybdenum	0	1000	1028	1181	103%	118%	13.9%	110%
Nickel	0	1000	985	1077	99%	108%	8.9%	103%
Silver	77	1000	941	1008	86%	93%	6.9%	90%
Thallium	0	1000	1085	1057	109%	106%	2.6%	107%
Vanadium	0	1000	992	1066	99%	107%	7.2%	103%
Zinc	1115	1000	1970	2032	86%	92%	3.1%	89%

R1..... ..... Result of Sample Analysis
Sp..... ..... Spike Concentration Added to Sample
MS..... ..... Matrix Spike Result
MSD..... ..... Matrix Spike Duplicate Result
PR1..... ..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... ..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... ..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: SOIL

Date: 5/17/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Barium	0	1000	977	994	98%	99%	1.7%	99%
Selenium	0	1000	969	935	97%	94%	3.6%	95%

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 5/17/96

SAMPLE #: FE02047

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	2.2	50	46	49	88%	94%	6.3%	91%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: **7471**
Matrix: Soil

DATE: 5/17/96

SAMPLE #: FE02719

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0	8.0	6.9	6.7	86%	84%	2.9%	85%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-133

MS/MSD DATA REPORT

EPA METHOD: **3060/7196**
Matrix: Soil

DATE: 5/17/96

SAMPLE #: FE02718

Analyte	R1	Sp	MS	MSD	PR1	PR2	$\overline{RPD}$	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Chromium (VI)	0	0.33	0.39	0.33	118%	100%	16.7%	109%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: _____

PAGE: _____ OF _____

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NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Phil Marquez 915-688-6248

ADDRESS: PO Box 1600 Midland TX 79702 ML-14

PROJECT CONTACT: Mark Bolton PHONE NO: 805-295-8701

CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO: Fax 805-295-8702

SAMPLED BY (PRINT NAME): Mark Bolton SAMPLER'S SIGNATURE: Mark Bolton

EXXON RAS NO:

EXXON SITE LOCATION:

EXXON ENGINEER:

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

ANALYSIS

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	EPA 8015G/8020 BTEX	TPH/GAS - 8015M (Gas)	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504	[illegible]	X Metals (Cam)	X LC-50 Aquatic
Cooling Tower A	5-15	4:10	Soil	cooled	2	X	X										
Cooling Tower B	5-15	4:10	Soil	cooled	1	X											

REMARKS:

7-14 C4-C12
C12-C23
C23+
Glycol

LACDPW FORMAT:

YES ____ NO ____

TURNAROUND TIME:

24 HR X

48 HR ____

72 HR ____

96 HR ____

5 DAYS ____

10 DAYS ____

SAMPLE INTEGRITY:

INTACT X

RELINQUISHED BY: Mark Bolton DATE/TIME: 5-16-96 9:24

RECEIVED BY: DATE/TIME: 5/14 9:21

RELINQUISHED BY: 5/14 DATE/TIME: 10:20

RECEIVED BY: 5/16/96 10:20

RELINQUISHED BY: 5/16/96 DATE/TIME: 1:45

RECEIVED LAB BY: 5/14 DATE/TIME: 1:45

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

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NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

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ADDRESS: PO Box 1600 Midland TX 79702 ML-14

PROJECT CONTACT: Mark Bolton PHONE NO: 805-295-8701

CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO: Fax 805-295-8782

SAMPLED BY (PRINT NAME): Mark Bolton SAMPLER'S SIGNATURE:

EXXON RAS NO:

EXXON SITE LOCATION:

EXXON ENGINEER:

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	EPA 8015G/8020	TPH/GAS - 8015M	VPH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504		1	
GP-17-W-A	5-15-96	10:20				X	X	X									
GP-17-S-A	5-15-96	10:20				X	X	X									

ANALYSIS

REMARKS:

C4-C12
C12-C23
C-23+

LACDPW FORMAT:

YES ____ NO ____

TURNAROUND TIME:

24 HR X

48 HR ____

72 HR ____

96 HR ____

5 DAYS ____

10 DAYS ____

SAMPLE INTEGRITY:

INTACT X

____

X

RELINQUISHED BY: DATE/TIME: 921 5-16-96

RELINQUISHED BY: DATE/TIME: 10

RELINQUISHED BY: DATE/TIME: 5/16/96 1:45

RECEIVED BY: DATE/TIME: 921 5/16

RECEIVED BY: DATE/TIME: 5/16/96 10:20

RECEIVED BY: DATE/TIME: 5/16 1:45

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MAY 2 3 1996

Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE01757

Sampled: May 8,
Received: May 10,
Extracted: May 14-16,
Analyzed: May 14-16,
Reported: May 17,

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE01757	WS4A-5	N.D.	N.D.	N.D.	N.D.	N.D.
FE01758	WS4B-2	N.D.	0.0054	0.012	N.D.	N.D.
FE01759	WS4B-5	N.D.	N.D.	N.D.	N.D.	N.D.
FE01760	WS49A-5	N.D.	N.D.	N.D.	N.D.	N.D.
FE01761	WS15A-5	N.D.	N.D.	N.D.	N.D.	N.D.
FE01762	WS15B-5	N.D.	N.D.	N.D.	N.D.	N.D.
FE01763	WS11A-4	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE01764

Sampled: May 19
Received: May ..., 19
Extracted: May 16, 19
Analyzed: May 16, 19
Reported: May 17, 19

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE01764	WS15A-2	N.D.	0.0085	0.023	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE01757

Sampled: May 8,
Received: May 10,
Extracted: May 15,
Analyzed: May 16,
Reported: May 17,

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE01757	WS4A-5	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
Total Hydrocarbons			

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE01758

Sampled: Ma
Received: May 10,
Extracted: May 15,
Analyzed: May 16,
Reported: May 17,

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE01758	WS4B-2	N.D.	C8 - C12
		140	C13 - C22
		580	C23 - C40
	Total Hydrocarbons	**720**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilutic
Detection limits for this sample have been raised by a factor of 20.

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Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE01759

Sampled: May 8, 19
Received: May 10, 19
Extracted: May 15, 19
Analyzed: May 16, 19
Reported: May 17, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE01759	WS4B-5	N.D.	C8 - C12
		17	C13 - C22
		69	C23 - C40
	Total Hydrocarbons	**86**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 2.

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE01760

Sampled: May 19
Received: May 19
Extracted: May 15, 19
Analyzed: May 16, 19
Reported: May 17, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE01760	WS49A-5	N.D.	C8 - C12
		6.0	C13 - C22
		33	C23 - C40
	Total Hydrocarbons	**39**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors. the sample required dilution Detection limits for this sample have been raised by a factor of 2.

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xon, USA
P.O. Box 1600 ML-14
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Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE01761

Sampled: May 8, 1
Received: May 10, 1
Extracted: May 15, 1
Analyzed: May 16, 1
Reported: May 17, 1

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE01761	WS15A-5	N.D.	C8 - C12
		10	C13 - C22
		60	C23 - C40
	Total Hydrocarbons	**70**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilutio
Detection limits for this sample have been raised by a factor of 2.

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE01762

Sampled: May 8, 19
Received: May 19
Extracted: May 15, 19
Analyzed: May 16, 19
Reported: May 17, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE01762	WS15B-5	N.D.	C8 - C12
		1.8	C13 - C22
		5.6	C23 - C40
	Total Hydrocarbons	**7.4**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE01763

Sampled: May 8, 19
Received: May 10, 19
Extracted: May 15, 19
Analyzed: May 15, 19
Reported: May 17, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE01763	WS11A-4	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
Total Hydrocarbons			

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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.xon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE01764

Sampled: May 9, 96
Received: May 10, 96
Extracted: May 15, 1996
Analyzed: May 16, 1996
Reported: May 17, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE01764	WS15A-2	N.D.	C8 - C12
		150	C13 - C22
		910	C23 - C40
	Total Hydrocarbons	**1,100**	

Detection Limit: **5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 20.

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.xon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS4A-5
Lab Number: FE01757

Sampled: May 8, 1996
Received: May 10, 1996
Extracted: May 13-15, 1996
Analyzed: May 13-15, 1996
Reported: May 17, 1996

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		64
Beryllium	6010	0.75	75	0.10		N.D.
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		12
Cobalt	6010	80	8000	0.50		4.8
Copper	6010	25	2500	0.50		11
Lead	6010	5.0	1000	1.0		4.1
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	0.50		N.D.
Nickel	6010	20	2000	0.50		12
Selenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		21
Zinc	6010	250	5000	0.50		34

Analytes reported as N.D. were not present above the stated limit of detection.

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.xon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS4B-2
Lab Number: FE01758

Sampled: May [illegible] 19
Received: May 1[illegible], 19
Extracted: May 13-15, 19
Analyzed: May 13-15, 19
Reported: May 17, 19

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		110
Beryllium	6010	0.75	75	0.10		0.23
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		13
Cobalt	6010	80	8000	0.50		5.6
Copper	6010	25	2500	0.50		11
Lead	6010	5.0	1000	1.0		6.7
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	0.50		N.D.
Nickel	6010	20	2000	0.50		14
Selenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		25
Zinc	6010	250	5000	0.50		40

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS4B-5
Lab Number: FE01759

Sampled: May 8, 19
Received: May 10, 19
Extracted: May 13-15, 19
Analyzed: May 13-15, 19
Reported: May 17, 19

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		68
Beryllium	6010	0.75	75	0.10		0.21
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		14
Cobalt	6010	80	8000	0.50		5.2
Copper	6010	25	2500	0.50		11
Lead	6010	5.0	1000	1.0		3.2
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	0.50		N.D.
Nickel	6010	20	2000	0.50		12
elenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		21
Zinc	6010	250	5000	0.50		37

Analytes reported as N.D. were not present above the stated limit of detection.

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xon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS49A-5
Lab Number: FE01760

Sampled: May 8 96
Received: May 10, 1996
Extracted: May 13-15, 1996
Analyzed: May 13-15, 1996
Reported: May 17, 1996

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		200
Beryllium	6010	0.75	75	0.10		N.D.
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		12
Cobalt	6010	80	8000	0.50		5.0
Copper	6010	25	2500	0.50		9.4
Lead	6010	5.0	1000	1.0		5.3
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	0.50		N.D.
ckel	6010	20	2000	0.50		9.6
lenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		23
Zinc	6010	250	5000	0.50		35

Analytes reported as N.D. were not present above the stated limit of detection.

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xxon, USA
P.C. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS15A-5
Lab Number: FE01761

Sampled: May 8, 1
Received: May 10, 1
Extracted: May 13-15, 1
Analyzed: May 13-15, 1
Reported: May 17, 1

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		140
Beryllium	6010	0.75	75	0.10		0.18
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		12
Cobalt	6010	80	8000	0.50		4.8
Copper	6010	25	2500	0.50		9.8
Lead	6010	5.0	1000	1.0		2.8
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	0.50		N.D.
Nickel	6010	20	2000	0.50		11
Selenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		20
Zinc	6010	250	5000	0.50		33

Analytes reported as N.D. were not present above the stated limit of detection.

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.xon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS15B-5
Lab Number: FE01762

Sampled: May 8, 199
Received: May 10, 199
Extracted: May 13-15, 199
Analyzed: May 13-15, 199
Reported: May 17, 199

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		59
Beryllium	6010	0.75	75	0.10		0.13
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		8.7
Cobalt	6010	80	8000	0.50		3.9
Copper	6010	25	2500	0.50		7.5
Lead	6010	5.0	1000	1.0		2.7
Mercury	7471	0.20	20	0.020		0.021
Molybdenum	6010	350	3500	0.50		N.D.
Nickel	6010	20	2000	0.50		8.2
Selenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		16
Zinc	6010	250	5000	0.50		25

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
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Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Sample Descript: Soil, WS11A-4
Lab Number: FE01763

Sampled: May 8, 19
Received: May 10, 19
Extracted: May 13-15, 19
Analyzed: May 13-15, 19
Reported: May 17, 19

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		62
Beryllium	6010	0.75	75	0.10		N.D.
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		7.7
Cobalt	6010	80	8000	0.50		3.7
Copper	6010	25	2500	0.50		6.5
Lead	6010	5.0	1000	1.0		1.5
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	0.50		N.D.
Nickel	6010	20	2000	0.50		5.7
Selenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		18
Zinc	6010	250	5000	0.50		22

Analytes reported as N.D. were not present above the stated limit of detection.

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Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS15A-2
Lab Number: FE01764

Sampled: May 9, 199
Received: May 10, 199
Extracted: May 13-15, 199
Analyzed: May 13-15, 199
Reported: May 17, 199

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		870
Beryllium	6010	0.75	75	0.10		N.D.
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		16
Cobalt	6010	80	8000	0.50		5.4
Copper	6010	25	2500	0.50		11
Lead	6010	5.0	1000	1.0		6.5
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	0.50		N.D.
'ickel	6010	20	2000	0.50		15
ılenium	6010	1.0	100	1.0		N.D
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		31
Zinc	6010	250	5000	0.50		46

Analytes reported as N.D. were not present above the stated limit of detection.

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Sample Descript: Soil, WS4A-5
Lab Number: FE01757

Sampled: May 8, 1
Received: May 10, 1
Extracted: May 10-16, 1
Analyzed: May 10-16, 1
Reported: May 17, 1

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	8.6
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	0.78
Specific Conductance (µmhos/cm)	120.1	1.0	370

Analytes reported as N.D. were not present above the stated limit of detection.

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS4B-2
Lab Number: FE01758

Sampled: May [illegible] 199[illegible]
Received: May 10, 199[illegible]
Extracted: May 10-16, 199[illegible]
Analyzed: May 10-16, 199[illegible]
Reported: May 17, 199[illegible]

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	8.0
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	0.80
Specific Conductance (µmhos/cm)	120.1	1.0	320

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS4B-5
Lab Number: FE01759

Sampled: May 8, 19
Received: May 10, 19
Extracted: May 10-16, 19
Analyzed: May 10-16, 19
Reported: May 17, 19

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	7.9
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	0.96
Specific Conductance (µmhos/cm)	120.1	1.0	200

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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.xon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS49A-5
Lab Number: FE01760

Sampled: May [illegible] 199
Received: May 1[illegible] 99
Extracted: May 10-16, 199
Analyzed: May 10-16, 199
Reported: May 17, 199

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	8.0
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	0.69
Specific Conductance (µmhos/cm)	120.1	1.0	590

Analytes reported as N.D. were not present above the stated limit of detection.

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:xon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS15A-5
Lab Number: FE01761

Sampled: May 8, 1996
Received: May 10, 1996
Extracted: May 10-16, 1996
Analyzed: May 10-16, 1996
Reported: May 17, 1996

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	9.0
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	0.89
Specific Conductance (µmhos/cm)	120.1	1.0	390

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS15B-5
Lab Number: FE01762

Sampled: May 8, 199
Received: May 10, 199
Extracted: May 10-16, 199
Analyzed: May 10-16, 199
Reported: May 17, 199

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	8.8
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	0.67
Specific Conductance (µmhos/cm)	120.1	1.0	320

Analytes reported as N.D. were not present above the stated limit of detection.

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Sample Descript: Soil, WS11A-4
Lab Number: FE01763

Sampled: May 8, 19
Received: May 10, 19
Extracted: May 10-16, 19
Analyzed: May 10-16, 19
Reported: May 17, 19

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	8.7
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	0.81
Specific Conductance (µmhos/cm)	120.1	1.0	170

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Sample Descript: Soil, WS15A-2
Lab Number: FE01764

Sampled: May [illegible] 99
Received: May 10, 199
Extracted: May 10-16, 199
Analyzed: May 10-16, 199
Reported: May 17, 199

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	8.5
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	0.86
Specific Conductance (µmhos/cm)	120.1	1.0	370

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS4BG
Lab Number: FE01765

Sampled: May 9, 199
Received: May 10, 199
Extracted: May 10-16, 199
Analyzed: May 10-16, 199
Reported: May 17, 199

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	8.4
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	0.67
Specific Conductance (µmhos/cm)	120.1	1.0	330

Analytes reported as N.D. were not present above the stated limit of detection.

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Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS11BG
Lab Number: FE01766

Sampled: May [illegible] 99
Received: May 10, 199
Extracted: May 10-16, 199
Analyzed: May 10-16, 199
Reported: May 17, 199

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	7.0
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	N.D.
Specific Conductance (µmhos/cm)	120.1	1.0	100

Analytes reported as N.D. were not present above the stated limit of detection.

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P.O. Box 1600 ML-14
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Attention: Phil Marquez

Client Project ID: Castaic Junction

Sample Descript: Soil, WS15BG
Lab Number: FE01767

Sampled: May 9, 1996
Received: May 10, 1996
Extracted: May 10-16, 1996
Analyzed: May 10-16, 1996
Reported: May 17, 1996

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	8.3
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	0.77
Specific Conductance (µmhos/cm)	120.1	1.0	270

Analytes reported as N.D. were not present above the stated limit of detection.

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Attention: Phil Marquez

Client Project ID: Castaic Junction
Sample Descript: Soil, WS49BG
Lab Number: FE01768

Sampled: May 99
Received: May 10, 199
Extracted: May 10-16, 199
Analyzed: May 10-16, 199
Reported: May 17, 199

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit	Sample Result
pH (pH units)	150.1	N.A.	7.6
Sodium Adsorption Ratio (mEq/L)	N.A.	0.50	0.74
Specific Conductance (µmhos/cm)	120.1	1.0	110

Analytes reported as N.D. were not present above the stated limit of detection.

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 14-16, 1
Analyzed: May 14-16, 1
Reported: May 17, 1
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
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Attention: Phil Marquez

Method Blank

Extracted: May 19
Analyzed: May 16, 19
Reported: May 17, 19
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C12	N.A.
	N.D.	C13 - C22	N.A.
	N.D.	C23 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, USA
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Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 13-15, 199
Analyzed: May 13-15, 199
Reported: May 17, 199
Matrix Soil

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		N.D.
Beryllium	6010	0.75	75	0.10		N.D.
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		N.D.
Cobalt	6010	80	8000	0.50		N.D.
Copper	6010	25	2500	0.50		N.D.
Lead	6010	5.0	1000	1.0		N.D.
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	0.50		N.D.
ickel	6010	20	2000	0.50		N.D.
elenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		N.D.
Zinc	6010	250	5000	0.50		N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 5/15/96

SAMPLE #: FE02391

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	0.74	50	45	46	89%	91%	2.2%	90%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 05/14/96

Sample #: FE01846

Batch #: FE14142S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Lim	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.0021	1.1	1.2	1.2	111	110	0.80	110	≤10	81 - 129
Benzene	0	0.10	0.10	0.10	102	104	1.3	103	≤3.5	83 - 115
Toluene	0	0.10	0.10	0.10	103	104	1.1	103	≤3.8	82 - 115
Ethylbenzene	0	0.10	0.10	0.10	102	104	1.3	103	≤4.0	82 - 115
Xylenes	0	0.30	0.30	0.31	101	102	1.4	102	≤4.4	83 - 115

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by in-house Control Charts

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: SOIL

Date: 5/15/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Antimony	0	1000	951	1040	95%	104%	8.9%	100%
Arsenic	0	1000	1007	1062	101%	106%	5.3%	103%
Silver	0	1000	978	1021	98%	102%	4.3%	100%

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: SOIL

Date: 5/15/96

Sample #: FE01757

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Barium	792	1000	1737	1673	95%	88%	3.8%	91%
Beryllium	0	1000	980	1066	98%	107%	8.4%	102%
Cadmium	0	1000	940	950	94%	95%	1.1%	95%
Chromium	171	1000	1160	1133	99%	96%	2.4%	98%
Cobalt	68	1000	955	944	89%	88%	1.2%	88%
Copper	123	1000	1079	1072	96%	95%	0.7%	95%
Lead	128	1000	1037	1034	91%	91%	0.3%	91%
Molybdenum	0	1000	947	931	95%	93%	1.7%	94%
Nickel	159	1000	1098	1077	94%	92%	1.9%	93%
Selenium	0	1000	928	915	93%	92%	1.4%	92%
Thallium	0	1000	866	1011	87%	101%	15.5%	94%
Vanadium	278	1000	1243	1247	97%	97%	0.3%	97%
Zinc	476	1000	1383	1353	91%	88%	2.2%	89%

R1..... ..... Result of Sample Analysis
Sp..... ..... Spike Concentration Added to Sample
MS..... ..... Matrix Spike Result
MSD..... ..... Matrix Spike Duplicate Result
PR1..... ..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... ..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... ..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: **7471**
Matrix: Soil

DATE: 5/15/96

SAMPLE #: FE01756

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0	0.20	0.14	0.14	70%	70%	0.0%	70%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: **3060/7196**
Matrix: Soil

DATE: 5/13/96

SAMPLE #: Blank

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Chromium (VI)	0	0.20	0.23	0.23	115%	115%	0.0%	115%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 5/8/96

PAGE: 1 OF 2

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: P.G. MARQUEZ
ADDRESS: P.O. Box 1600 ML-14 Midland Tx 79702
PROJECT CONTACT: PHIL MARQUEZ
PHONE NO: (915) 6886248
CONSULTANT PROJECT NO:
CONSULTANT WORK RELEASE NO:
FAX (915) 6886199
SAMPLED BY (PRINT NAME): Phillip G. Marquez
SAMPLER'S SIGNATURE:

EXXON RAS NO:
EXXON SITE LOCATION: CASTAIC
EXXON ENGINEER:
LABORATORY WORK RELEASE NO:
SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504	Title 22 CAM 17 Metals	EC / SAR (Electrical Conductivity / Sodium Absorption Ratio)	pH
WS4A-5	5/8/96	12:00 p.	Soil	chilled	2	X		X							X	X	X
WS4B-2	5/8/96	11:45 a.	Soil		2	X		X							X	X	X
WS4B-5	5/8/96	11:45 a.	Soil		2	X		X							X	X	X
WS49A-5	5/8/96	12:50 p.	Soil		2	X		X							X	X	X
WS15A-5	5/8/96	14:00	Soil		2	X		X							X	X	X
WS15B-5	5/8/96	14:05	Soil		2	X		X							X	X	X
WS11A-4	5/8/96	15:10	Soil		2	X		X							X	X	X
WS15A-2	5/9/96	10:15	Soil	chilled	2	X		X							X	X	X

REMARKS:

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:
- 24 HR ___
- 48 HR ___
- 72 HR ___
- 96 HR ___
- 5 DAYS X
- 10 DAYS ___

SAMPLE INTEGRITY:
- INTACT X
- ON ICE X

RELINQUISHED BY:	DATE/TIME: 5/9/96 2:30pm	RECEIVED BY:	DATE/TIME: 5/9/96 230
RELINQUISHED BY:	DATE/TIME: 5/10/96 1130	RECEIVED BY:	DATE/TIME: 5/10/96 1130
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:

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EXXON CO. ANY, USA
CHAIN OF CUSTODY RECORD

DATE: 5/9/96

PAGE: 2 OF 2

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: P.G. MARQUEZ

ADDRESS: P.O. Box 1600 ML-14 Midland Tx 79702

PROJECT CONTACT: PHIL MARQUEZ

PHONE NO: (915)688 6248

CONSULTANT PROJECT NO:

CONSULTANT WORK RELEASE NO: Fax (915)688 6199

SAMPLED BY (PRINT NAME): PHILLIP G. MARQUEZ

SAMPLER'S SIGNATURE:

EXXON RAS NO:

EXXON SITE LOCATION: CASTANC

EXXON ENGINEER:

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015C/8020	TPH/GAS - 8015M	TPH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504	Electrical Conductivity Sodium Absorption Ratio	pH
WS 4 BG	5/9/96	10:40	Soil		1										X	X
WS 11 BG	5/9/96	9:40	Soil		1										X	X
WS 15 BG	5/9/96	10:00	Soil		1										X	X
WS 49 BG	5/9/96	11:00	Soil		1										X	X

REMARKS:

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:
- 24 HR ___
- 48 HR ___
- 72 HR ___
- 96 HR ___
- 5 DAYS X
- 10 DAYS ___

SAMPLE INTEGRITY:
- INTACT X
- ON ICE X

RELINQUISHED BY:	DATE/TIME: 5/9/96 2 30 pm.	RECEIVED BY:	DATE/TIME: 5/9/96 230
RELINQUISHED BY:	DATE/TIME: 5/10/96 11:30	RECEIVED BY: RELINQ'D	DATE/TIME: 5/10/96 1130
RELINQUISHED BY:	DATE/TIME: 5/10/96 2:15	RECEIVED IN LAB BY:	DATE/TIME: 5-10-96 2:15

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MAY 28 1996

Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE02383

Sampled: May 14,
Received: May 15,
Extracted: May 15,
Analyzed: May 15,
Reported: May 15,

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE02383	FS-60A	N.D.	N.D.	N.D.	N.D.	N.D.
FE02384	FS-10A	N.D.	N.D.	N.D.	N.D.	N.D.
FE02385	50-A	N.D.	N.D.	N.D.	N.D.	N.D.
FE02386	FS-40A	N.D.	N.D.	N.D.	N.D.	N.D.
FE02387	FS-35A	N.D.	N.D.	N.D.	N.D.	N.D.
FE02388	FS-30A	N.D.	N.D.	N.D.	N.D.	N.D.
FE02389	FS-25A	N.D.	N.D.	N.D.	N.D.	N.D.
FE02390	FS-20A	N.D.	N.D.	N.D.	N.D.	N.D.
FE02391	FSW-F1A	N.D.	N.D.	N.D.	N.D.	N.D.
FE02392	FSW-F2A	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02383

Sampled: May 14, 19
Received: May 1[illegible] 19
Extracted: May 19
Analyzed: May 15, 19
Reported: May 15, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02383	FS-60A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02384

Sampled: May 14,
Received: May 15,
Extracted: May 15,
Analyzed: May 15,
Reported: May 15,

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02384	FS-10A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02385

Sampled: May 14, 199
Received: May 15, 99
Extracted: May 15, 99
Analyzed: May 15, 199
Reported: May 15, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02385	50-A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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xon, USA
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Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02386

Sampled: May 14, 19
Received: May 15, 19
Extracted: May 15, 19
Analyzed: May 15, 19
Reported: May 15, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02386	FS-40A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02387

Sampled: May 14, 1996
Received: May 15, 1996
Extracted: May 15, 1996
Analyzed: May 15, 1996
Reported: May 15, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02387	FS-35A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02388

Sampled: May 14,
Received: May 15,
Extracted: May 15,
Analyzed: May 15,
Reported: May 15,

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02388	FS-30A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02389

Sampled: May 14, 19
Received: May 1, 19
Extracted: May 15, 19
Analyzed: May 15, 19
Reported: May 15, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02389	FS-25A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02390

Sampled: May 14, 19
Received: May 15, 19
Extracted: May 15, 19
Analyzed: May 15, 19
Reported: May 15, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02390	FS-20A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02391

Sampled: May 14, 199
Received: May 1[illegible] 99
Extracted: May 15, 199
Analyzed: May 15, 199
Reported: May 15, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02391	FSW-F1A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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xxon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE02392

Sampled: May 14, 199
Received: May 15, 199
Extracted: May 15, 199
Analyzed: May 15, 199
Reported: May 15, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE02392	FSW-F2A	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit: **5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 15, 19
Analyzed: May 19
Reported: May 15, 19
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 15, 1
Analyzed: May 15, 1
Reported: May 15, 1
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C12	N.A.
	N.D.	C13 - C22	N.A.
	N.D.	C23 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 05/15/96

Sample #: FE02383

Batch #: FE15141S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limit	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.0040	1.1	1.3	1.3	116	120	3.1	118	≤10	81 - 129
Benzene	0	0.10	0.10	0.10	105	102	2.3	104	≤3.5	83 - 115
Toluene	0	0.10	0.10	0.10	103	101	2.3	102	≤3.8	82 - 115
Ethylbenzene	0	0.10	0.10	0.10	105	103	2.3	104	≤4.0	82 - 5
Xylenes	0	0.30	0.33	0.33	112	109	2.5	110	≤4.4	83 - 115

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits ..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 5/15/96

SAMPLE #: FE02391

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	0.68	50	43	44	85%	87%	2.3%	86%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: _____

PAGE: _____ OF _____

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Phil Marquez

ADDRESS: Exxon USA P.O. Box 1600 ML-14 Midland Tx. 79702

PROJECT CONTACT: Phillip Marquez (915) 6886248 PHONE NO: (915) 688 6199

CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO:

EXXON RAS NO:

EXXON SITE LOCATION: Castaic Junction

EXXON ENGINEER: P. Marquez

LABORATORY WORK RELEASE NO:

SAMPLED BY (PRINT NAME): M. Bolton SAMPLER'S SIGNATURE: SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504			
FS-60A	5-14-96		Soil	None	1	✓		✓									
FS-10A					1												
SD-A					1												
FS-40A					1												
FS 35A					1												
FS-30A					1												
FS 25A					1												
FS 20-A					1												
FSW-F1A					1												
FSW-F2A					1												

REMARKS:

C8-C12

C13-C22

C23-C40

LACDPW FORMAT:

YES ___ NO ___

TURNAROUND TIME:

24 HR X

48 HR ___

72 HR ___

96 HR ___

5 DAYS ___

10 DAYS ___

SAMPLE INTEGRITY:

INTACT ✓

OK ✓

RELINQUISHED BY: DATE/TIME: 5-14-96

RELINQUISHED BY: 5/14 DATE/TIME: 1300

RELINQUISHED DATE/TIME:

RECEIVED BY: DATE/TIME: 5/14 1230 PM

RECEIVED BY: DATE/TIME:

RECEIVED BY: DATE/TIME: 5/15 900

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MAY 13 1996

xxon, USA
O. Box 1600 ML-14
Midland, TX 74702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE00766

Sampled: May 2, 199
Received: May 3, 199
Extracted: May 7, 199
Analyzed: May 7, 199
Reported: May 7, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE00766	FS #1-A	0.88	C8 - C12
		2.7	C13 - C22
		1.7	C23 - C40
	Total Hydrocarbons	**5.3**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 74702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE00767

Sampled: May 1
Received: May 1
Extracted: May 7, 1
Analyzed: May 7, 1
Reported: May 7, 1

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE00767	FS #1-B	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Stelbe
Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 74702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE00768

Sampled: May 2, 19
Received: May 3, 19
Extracted: May 7, 19
Analyzed: May 7, 19
Reported: May 7, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE00768	FS #1-C	7.0	C8 - C12
		46	C13 - C22
		26	C23 - C40
	Total Hydrocarbons	**79**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 74702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE00769

Sampled: May [illegible] 19
Received: May [illegible], 19
Extracted: May 7, 19
Analyzed: May 7, 19
Reported: May 7, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE00769	FS #1-E	130	C8 - C12
		180	C13 - C22
		74	C23 - C40
	Total Hydrocarbons	**380**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 74702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE00770

Sampled: May 2, 1
Received: May 3, 1
Extracted: May 7, 1
Analyzed: May 7, 1
Reported: May 7, 1

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE00770	FS #2AF	260	C8 - C12
		800	C13 - C22
		540	C23 - C40
	Total Hydrocarbons	**1,600**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 74702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE00771

Sampled: May 2, 199
Received: May 3, 199
Extracted: May 7, 199
Analyzed: May 7, 199
Reported: May 7, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE00771	FS #2AW	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit: **5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 74702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE00766

Sampled: May 2, 199
Received: May 3, 199
Extracted: May 6-7, 199
Analyzed: May 6-7, 199
Reported: Jan 5, 190

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE00766	FS #1-A	N.D.	N.D.	N.D.	N.D.	N.D.
FE00767	FS #1-B	N.D.	N.D.	N.D.	N.D.	N.D.
FE00768	FS #1-C	2.1	N.D.	N.D.	N.D.	N.D.
FE00769	FS #1-E	6.5	N.D.	N.D.	0.040	0.31
FE00770	FS #2AF	430	N.D.	0.13	0.89	3.2
FE00771	FS #2AW	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 74702
Attention: Phil Marquez

Method Blank

Extracted: May 7 96
Analyzed: May 7, 199
Reported: May 7, 199
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C12	N.A.
	N.D.	C13 - C22	N.A.
	N.D.	C23 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 74702
Attention: Phil Marquez

Method Blank

Extracted: May 6-7, 19
Analyzed: May 6-7, 19
Reported: May 7, 19
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-

MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 05/06/96

Sample #: FE00224

Batch #: FE06151S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.055	1.1	1.3	1.3	115	115	0.21	115	≤10	82 - 126
Benzene	0	0.10	0.10	0.11	104	108	3.2	106	≤7.7	80 - 115
Toluene	0	0.10	0.10	0.11	105	108	2.9	106	≤7.0	84 - 120
Ethylbenzene	0	0.10	0.10	0.11	104	107	2.8	105	≤6.2	88 - 1
Xylenes	0	0.30	0.32	0.33	107	110	2.9	108	≤6.1	85 - 115

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by in-house Control Charts

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-13

MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 5/7/96

SAMPLE #: FE00771

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	2.7	50	51	48	97%	91%	6.1%	94%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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Fax results to

EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 5-96

PAGE: 1 OF 1

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Mark Bolton

ADDRESS: P.O. Box 1600 ML-14 Midland TX 79702

PROJECT CONTACT: Phil Marquez PHONE NO: 915-688-6248

CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO: Fax 915-688-6

SAMPLED BY (PRINT NAME): Phil Sanchez SAMPLER'S SIGNATURE:

EXXON RAS NO:

EXXON SITE LOCATION:

EXXON ENGINEER:

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504
FS #1-A	5/2/96	3:01				X	X	X						
FS #1-B	5/2/96	3:02				X	X							
FS #1-C	5/2/96	3:03				X	X							
FS #1-E	5/2/96	3:10				X	X							
FS #2AF	5/2/96	3:22				X	X	X						
FS #2AW	5/2/96	3:24												

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ANALYSIS

REMARKS:
8020
8015
C4-C12
C13-C22
C23+

LACDPW FORMAT:
YES ___ NO ___

TURNAROUND TIME:
24 HR ___
48 HR X
72 HR ___
96 HR ___
5 DAYS ___
10 DAYS ___

SAMPLE INTEGRITY:
INTACT X
OK X

RELINQUISHED BY: DATE/TIME: 5/3/96 9:03

RECEIVED BY: DATE/TIME: 5/3/96 903

RELINQUISHED BY: DATE/TIME: 5/3/96 2:00

RECEIVED BY: DATE/TIME: 5/3/96 2:00

RELINQUISHED BY: DATE/TIME: 5-3-96 5:15

RECEIVED BY: DATE/TIME: 5-3-96 5:15

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MAY 13 1996

Exxon USA
P. O. Box 1600, ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE00468

Sampled: May 2, 1996
Received: May 3, 1996
Extracted: May 3, 1996
Analyzed: May 3, 1996
Reported: May 7, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE00468	TB3-Lact Wall	N.D.	N.D.	N.D.	N.D.	N.D.
FE00469	TB3-Lact Floor	N.D.	N.D.	N.D.	N.D.	N.D.
FE00470	TB3-Sump Wall	N.D.	N.D.	N.D.	N.D.	N.D.
FE00471	TB3-Sump Floor	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 96

Exxon USA
P.O. Box 1600, ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE00468

Sampled: May 1
Received: May 1
Extracted: May 6, 1
Analyzed: May 6, 1
Reported: May 7, 1

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE00468	TB3-Lact Wall	N.D.	C8 - C12
		10	C13 - C22
		35	C23 - C40
	Total Hydrocarbons	**45**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon USA
P.O. Box 1600, ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE00469

Sampled: May 2, 1
Received: May 3, 1
Extracted: May 6, 1
Analyzed: May 6, 1
Reported: May 7, 1

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE00469	TB3-Lact Floor	N.D.	C8 - C12
		7.7	C13 - C22
		21	C23 - C40
	Total Hydrocarbons	**29**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon USA
P.O. Box 1600, ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE00470

Sampled: May 1
Received: May 3, 1
Extracted: May 6, 1
Analyzed: May 6, 1
Reported: May 7, 1

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE00470	TB3-Sump Wall	N.D.	C8 - C12
		N.D.	C13 - C22
		N.D.	C23 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon USA
P.O. Box 1600, ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE00471

Sampled: May 2, 19
Received: May 3, 19
Extracted: May 6, 19
Analyzed: May 6, 19
Reported: May 7, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE00471	TB3-Sump Floor	N.D.	C8 - C12
		17	C13 - C22
		34	C23 - C40
	Total Hydrocarbons	**51**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon USA
P.O. Box 1600, ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 3, 96
Analyzed: May 3, 96
Reported: May 7, 1996
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon USA
P.O. Box 1600, ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 6, 19
Analyzed: May 6, 19
Reported: May 7, 19
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C12	N.A.
	N.D.	C13 - C24	N.A.
	N.D.	C25 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 05/03/96

Sample #: FE00440

Batch #: FE03141S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limi	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.040	1.1	1.2	1.1	107	101	5.8	104	≤10	81 - 129
Benzene	0	0.10	0.10	0.10	101	100	1.4	101	≤3.5	83 - 115
Toluene	0	0.10	0.10	0.098	100	98	1.4	99	≤3.8	82 - 115
Ethylbenzene	0	0.10	0.10	0.099	100	99	1.1	99	≤4.0	82 - [illegible]
Xylenes	0	0.30	0.30	0.29	99	98	1.1	98	≤4.4	83 - 115

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1

MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 5/6/96

SAMPLE #: FE00470

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	0.96	50	51	53	100%	104%	3.8%	102%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 5-2-96

PAGE: _____ OF _____

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: P. Sanchez

ADDRESS: Exxon USA P.O. Box 1600 ML-14 Midland Tx 79702

PROJECT CONTACT: Phil Marquez (915) 688 6248 PHONE NO: Fax 688 6199

CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Steve Berry + P. Sanchez SAMPLER'S SIGNATURE:

EXXON RAS NO:

EXXON SITE LOCATION: Castaic Junction

EXXON ENGINEER: P. Marquez

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504
TB3-Lactwall	5/2/96	8:00	Soil	None	1	X		X						
TB3-Lact Floor	〃	〃	〃	〃	〃	〃		〃						
TB3-Sump Wall	〃	〃	〃	〃	〃	〃		〃						
TB3-Sump Floor	〃	〃	〃	〃	〃	〃		〃					1	

REMARKS:

LACDPW FORMAT:

YES ___ NO ___

TURNAROUND TIME:

24 HR ___

48 HR X

72 HR ___

96 HR ___

5 DAYS ___

10 DAYS ___

SAMPLE INTEGRITY:

INT: X

ON ICE ✓

RELINQUISHED BY:	DATE/TIME: 5/2/96 12:16	RECEIVED BY:	DATE/TIME: 5/2 12:16
RELINQUISHED BY:	DATE/TIME: 5/2 324	RECEIVED BY:	DATE/TIME:
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME:

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/CA DHS Mod. 8015
First Sample #: FD00991

Sampled: Apr 4, 1996
Received: Apr 8, 1996
Extracted: Apr 10, 1996
Analyzed: Apr 11, 1996
Reported: Apr 12, 1996

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FD00991	TB-3 CMP	720	C8-C38
FD00992	TB-4 1W	85	C8-C40
FD00993	TB-4 2F	7.2	C14-C34

Detection Limit:	5.0

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

- MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/CA DHS Mod. 8015
First Sample #: FD00994

Sampled: Apr 5, 1996
Received: Apr 8, 1996
Extracted: Apr 10, 1996
Analyzed: Apr 11, 1996
Reported: Apr 12, 1996

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FD00994	TB-2 SW	8.6	C14-C36
FD00995	TB-2 SF	N.D.	N.A.

Detection Limit:	5.0

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C30.

Analytes reported as N.D. were not present above the stated limit of detection.
Del Mar Analytical Mobile Laboratory #1

DEL MAR ANALYTICAL, IRVINE (ELAP #1794)

Rick DiMaio
Project Manager

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FD00992

Sampled: Apr 4, 1996
Received: Apr 8, 1996
Extracted: Apr 9, 1996
Analyzed: Apr 9, 1996
Reported: Apr 12, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FD00992	TB-4 1W	N.D.	N.D.	N.D.	N.D.	N.D.
FD00993	TB-4 2F	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FD00991

Sampled: Apr 4, 1996
Received: Apr 8, 1996
Extracted: Apr 10, 1996
Analyzed: Apr 10, 1996
Reported: Apr 12, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FD00991	TB-3 CMP	26	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**4.0**	**0.020**	**0.020**	**0.020**	**0.060**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 4.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FD00994

Sampled: Apr 5, 19
Received: Apr 8, 19
Extracted: Apr 9, 19
Analyzed: Apr 9, 19
Reported: Apr 12, 19

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FD00994	TB-2 SW	N.D.	N.D.	N.D.	N.D.	N.D.
FD00995	TB-2 SF	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (6)-13

Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Method Blank

Extracted: Apr 10, 1996
Analyzed: Apr 11, 1996
Reported: Apr 12, 1996
Matrix Soil

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
Method Blank	N.D.	N.A.

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Rick DiMaio
Project Manager

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Method Blank

Extracted: Apr 9-10, 199
Analyzed: Apr 9-10, 199
Reported: Apr 12, 1996
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-1843
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 04/09/96

Sample #: BLANK

Batch #: FD09191S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0	1.1	1.2	1.2	107	106	0.51	106	≤27	72 - 130
Benzene	0	0.10	0.093	0.090	93	90	2.4	92	≤4.5	74 - 115
Toluene	0	0.10	0.085	0.083	85	83	2.8	84	≤4.4	72 - 1[illegible]
Ethylbenzene	0	0.10	0.094	0.092	94	92	2.5	93	≤4.3	78 - 115
Xylenes	0	0.30	0.28	0.28	94	92	2.6	93	≤4.2	79 - 115

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD: ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by in-house Control Charts

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968

MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 4/11/96

SAMPLE #: FD00995

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	1.4	50	47	45	91%	87%	4.3%	89%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 4-5-96

PAGE: 1 OF 1

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Phillip Sanchez

ADDRESS: Exxon USA P.O. Box 1600 ML-14 Midland Tx. 79702

PROJECT CONTACT: Phil Marquez (915) 6886248 PHONE NO: Fax (915) 6886199

CONSULTANT PROJECT NO:

CONSULTANT WORK RELEASE NO:

EXXON RAS NO:

EXXON SITE LOCATION: Castair Junction

EXXON ENGINEER: P. Marquez

LABORATORY WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Phillip Sanchez

SAMPLER'S SIGNATURE: Phillip Sanchez

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015/8020	TPH/BTEX - 8015M	VPH/DIESEL - 8015	EPA 8260/602	VOLATILE ORGANICS (CLP/624/624.1)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504		
TB-3 CMP	4-4-96	9:00	Soil	None	1	✓		✓								
TB-4 1W	4-4-96	9:10			1	✓		✓								
TB-4 2F	4-4-96	"			1	✓		✓								
TB-2 SW	4-5-96	1100			1	✓		✓								
TB-2 SF	4-5-96	1100			1	✓		✓								

REMARKS:

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:

24 HR ___

48 HR ___

72 HR ___

96 HR ___

5 DAYS ___

10 DAYS ___

SAMPLE INTEGRITY:

INTACT ✓

ON ICE ✓

RELINQUISHED BY: Phillip Sanchez	DATE/TIME: 4/5/96 1:50	RECEIVED BY:	DATE/TIME: 4/5/96 1:50
RELINQUISHED BY:	DATE/TIME: 4/5/96 2:50	RECEIVED BY:	DATE/TIME: 4/5/96 250
RELINQUISHED BY:	DATE/TIME: 4/8/96 250 9:00	RECEIVED IN L	DATE/TIME: 4/8/96 0900

SENT BY:DEL MAR ANALYTICAL ; 4- 8-96 ; 9:18 ; IRVINE 7142611022-

4/ 4

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 4-5-96

PAGE: 1 OF 1

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Phillip Sanchez

ADDRESS: Exxon USA PO Box 1600 ML-14 Midland Tx. 79702

PROJECT CONTACT: Phil Marquez (915) 6886248 PHONE NO: Fax (915) 6886199

CONSULTANT PROJECT NO:

CONSULTANT WORK RELEASE NO:

EXXON RAS NO:

EXXON SITE LOCATION: Castair Junction

EXXON ENGINEER: P. Marquez

LABORATORY WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Phillip Sanchez

SAMPLER'S SIGNATURE:

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015G/8020	TPH/GAS - 8015M	VPH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504			
TB-3 CMP	4-4-96	9:00	Soil	None	1	✓		✓									
TB-4 1W	4-4-96	9:10			1	✓		✓									
TB-4 2F	4-4-96	"			1	✓		✓									
TB-2 SW	4-5-96	1100			1	✓		✓									
TB-2 SF	4-5-96	1100			1	✓		✓									

REMARKS:

LACDPW FORMAT:

YES ___ NO ___

TURNAROUND TIME:

24 HR ___

48 HR ___

72 HR ___

96 HR ___

5 DAYS ___

10 DAYS ___

SAMPLE INTEGRITY:

INTACT ✓

ON ICE ✓

RELINQUISHED BY:	DATE/TIME: 4/5/96 1:50	RECEIVED BY:	DATE/TIME: 4/5/96 1:50
RELINQUISHED BY:	DATE/TIME: 4/5/96 2:50	RECEIVED BY:	DATE/TIME: 4/5/96 250
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME: 4/5/96 1650

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Exxon USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FD03889

Sampled: Apr 24, 19
Received: Apr 26, 19
Extracted: Apr 29, 19
Analyzed: Apr 29, 19
Reported: Apr 29, 19

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FD03889	TB3-S Colvert	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon USA
O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FD03890

Sampled: Apr 2 9
Received: Apr 26, 19
Extracted: Apr 29, 19
Analyzed: Apr 29, 19
Reported: Apr 29, 19

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FD03890	TB1-P1	N.D.	N.D.	N.D.	N.D.	N.D.
FD03891	TB3-P1A	N.D.	N.D.	N.D.	N.D.	N.D.
FD03892	TB3-P1B	N.D.	N.D.	N.D.	N.D.	N.D.
FD03893	TB5-P1A	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Gary Steube
Laboratory Director

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Exxon USA
O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FD03895

Sampled: Apr 26, 199
Received: Apr 26, 199
Extracted: Apr 29, 199
Analyzed: Apr 29, 199
Reported: Apr 29, 199

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FD03895	TB5-P2B	N.D.	N.D.	N.D.	N.D.	N.D.
FD03894	TB5-P2A	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Gary Steube
Laboratory Director

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Exxon USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FD03889

Sampled: Apr 24, 199
Received: Apr 26, 199
Extracted: Apr 28, 199
Analyzed: Apr 29, 199
Reported: Apr 29, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FD03889	TB3-S Colvert	1.1	C8 - C12
		10	C13 - C22
		8.0	C23 - C40
	Total Hydrocarbons	**19**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon USA
O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FD03890

Sampled: Apr 25, 19
Received: Apr 26, 19
Extracted: Apr 28, 19
Analyzed: Apr 29, 19
Reported: Apr 29, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FD03890	TB1-P1	N.D.	C8 - C12
		43	C13 - C22
		140	C23 - C40
	Total Hydrocarbons	**180**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FD03891

Sampled: Apr 2
Received: Apr 26, 199
Extracted: Apr 28, 199
Analyzed: Apr 29, 199
Reported: Apr 29, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FD03891	TB3-P1A	N.D.	C8 - C12
		280	C13 - C22
		430	C23 - C40
	Total Hydrocarbons	**710**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1

Exxon USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FD03892

Sampled: Apr 25, 199
Received: Apr 26, 199
Extracted: Apr 28, 199
Analyzed: Apr 29, 199
Reported: Apr 29, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FD03892	TB3-P1B	9.0	C8 - C12
		230	C13 - C22
		370	C23 - C40
	Total Hydrocarbons	**610**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1

Exxon USA
O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FD03893

Sampled: Apr 2[illegible] 99
Received: Apr 26, 199
Extracted: Apr 28, 199
Analyzed: Apr 29, 199
Reported: Apr 29, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FD03893	TB5-P1A	N.D.	C8 - C12
		33	C13 - C22
		160	C23 - C40
	Total Hydrocarbons	**190**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968

Exxon USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FD03894

Sampled: Apr 26, 19
Received: Apr 26, 19
Extracted: Apr 28, 19
Analyzed: Apr 29, 19
Reported: Apr 29, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FD03894	TB5-P2A	0.68	C8 - C12
		15	C13 - C22
		78	C23 - C40
Total Hydrocarbons		**94**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FD03895

Sampled: Apr [illegible] 19
Received: Apr 26, 19
Extracted: Apr 28, 19
Analyzed: Apr 29, 19
Reported: Apr 29, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FD03895	TB5-P2B	N.D.	C8 - C12
		50	C13 - C22
		190	C23 - C40
	Total Hydrocarbons	**240**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Apr 29, 19
Analyzed: Apr 29, 19
Reported: Apr 29, 19
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon USA
O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Apr 28, 6
Analyzed: Apr 29, 1996
Reported: Apr 29, 1996
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
Method Blank	N.D.	C8 - C12
	N.D.	C13 - C24
	N.D.	C25 - C40
Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 4/29/96

SAMPLE #: FD03889

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	19	50	63	41	88%	44%	42.3%	66%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 04/29/96

Sample #: FD03890

Batch #: FD29151S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.017	1.1	1.1	1.1	97	97	0.067	97	≤10	82 - 126
Benzene	0.00025	0.10	0.092	0.094	92	94	1.9	93	≤7.7	80 - 115
Toluene	0	0.10	0.093	0.094	93	94	1.8	93	≤7.0	84 - 120
Ethylbenzene	0	0.10	0.092	0.093	92	93	1.8	93	≤6.2	88 - 1
Xylenes	0	0.30	0.28	0.29	94	96	2.0	95	≤6.1	85 - 115

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 4/26/96

PAGE: 1 OF 1

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: P. SANCHEZ

ADDRESS: EXXON USA P.O. BOX 1600 MIL-14 MIDLAND TX 79702

PROJECT CONTACT: PHIL MARQUEZ (915)688-6248 PHONE NO: FAX 6199

CONSULTANT PROJECT NO:

CONSULTANT WORK RELEASE NO:

EXXON RAS NO:

EXXON SITE LOCATION: CASTAIC JUNCTION

EXXON ENGINEER: P. MARQUEZ

LABORATORY WORK RELEASE NO:

SAMPLED BY (PRINT NAME): STEVE BERRY / P SANCHEZ

SAMPLER'S SIGNATURE:

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504	CONFIDENTIAL
TB3-S COMPOSITE	4/24	1530	SOIL		1	X		X							
TB1-P1	4/25	1513													
TB3-P1A	4/25	1455													
TB3-P1B	4/25	1456													
TB5-P1A	4/25	1501													
TB5-P2A	4/26	1500													
TB5-P2B	4/26	1502	LV												RD 4/30/96

ANALYSIS

REMARKS:
8020
8015 C4-12
C13-22
C23+

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:
MONDAY A.M
24 HR (X)
48 HR
72 HR
96 HR
5 DAYS
10 DAYS

SAMPLE INTEGRITY:
INTACT X
ON ICE X

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
STEVE BERRY	4/26/96 @ 10:15		4/26/96 10:15 AM
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
	4/26 1145		4/26/96 1145
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME:
	4/26/96 1000		4/26/96 3:00 PM

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968

Exxon U.S.A.
P. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction Field

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FD00225

Sampled: Mar 27, 19
Received: Apr 2, 19
Extracted: Apr 3, 19
Analyzed: Apr 3, 19
Reported: Apr 10, 19

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FD00225	TB3-1H	N.D.	N.D.	N.D.	N.D.	N.D.
FD00226	TB3-1L	N.D.	N.D.	N.D.	N.D.	N.D.
FD00227	TB3-2H	N.D.	N.D.	N.D.	N.D.	N.D.
FD00228	TB3-2L	N.D.	N.D.	N.D.	N.D.	N.D.
FD00229	TB3-3H	N.D.	N.D.	N.D.	N.D.	N.D.
FD00230	TB3-3L	N.D.	N.D.	N.D.	N.D.	N.D.
FD00231	TB3-4H	N.D.	N.D.	N.D.	N.D.	N.D.
FD00232	TB3-4L	N.D.	N.D.	N.D.	N.D.	N.D.
FD00233	TB3-5H	N.D.	N.D.	N.D.	N.D.	N.D.
FD00234	TB3-5L	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Jack DiMaio
Project Manager

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ixxon U.S.A.	Client Project ID: Castaic Junction Field	Sampled: Mar 27 96
). Box 1600 ML-14		Received: Apr 2, 96
.dland, TX 79702	Analysis Method: EPA 5030/CA DHS Mod. 8015/8020	Extracted: Apr 3, 1996
Attention: Phillip Marquez	First Sample #: FD00235	Analyzed: Apr 3, 1996
		Reported: Apr 10, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FD00235	TB3-616	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Project Manager

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xxon U.S.A.
). Box 1600 ML-14
Jland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction Field
Analysis Method: EPA 3550/CA DHS Mod. 8015
First Sample #: FD00225

Sampled: Mar 27, 1996
Received: Apr 2, 1996
Extracted: Apr 4-5, 1996
Analyzed: Apr 4-8, 1996
Reported: Apr 10, 1996

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FD00225	TB3-1H	N.D.	N.A.
FD00226	TB3-1L	N.D.	N.A.
FD00227	TB3-2H	N.D.	N.A.
FD00228	TB3-2L	N.D.	N.A.
FD00229	TB3-3H	9.4	C14-C38
FD00230	TB3-3L	N.D.	N.A.
FD00231	TB3-4H	N.D.	N.A.
FD00232	TB3-4L	N.D.	N.A.
FD00233	TB3-5H	7.4	C14-C38
FD00234	TB3-5L	9.9	C12-C32

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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JK DiMaio
Project Manager

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'xxon U.S.A.
). Box 1600 ML-14
.dland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction Field

Analysis Method: EPA 3550/CA DHS Mod. 8015
First Sample #: FD00235

Sampled: Mar 27, 1996
Received: Apr 2, 6
Extracted: Apr 4, 1996
Analyzed: Apr 4, 1996
Reported: Apr 10, 1996

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FD00235	TB3-616	N.D.	N.A.

Detection Limit:	5.0

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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Exxon U.S.A.
P. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction Field

Sample Descript: Soil, 9A GPA #4
Lab Number: FD00236

Sampled: Mar 29, 199
Received: Apr 2, 199
Extracted: Apr 3, 199
Analyzed: Apr 3-4, 199
Reported: Apr 10, 199

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		330
Beryllium	6010	0.75	75	0.10		0.19
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		24
Cobalt	6010	80	8000	0.50		5.3
Copper	6010	25	2500	0.50		11
Lead	6010	5.0	1000	1.0		4.7
Mercury	7471	0.20	20	0.020		0.035
Molybdenum	6010	350	3500	0.50		N.D.
Nickel	6010	20	2000	0.50		11
Selenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		21
Zinc	6010	250	5000	0.50		32

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Project Manager

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xxon U.S.A.
). Box 1600 ML-14
Jland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction Field

Sample Descript: Soil, 9A GPA #5
Lab Number: FD00237

Sampled: Mar 29, 1996
Received: Apr 2, 6
Extracted: Apr 3, 1996
Analyzed: Apr 3-4, 1996
Reported: Apr 10, 1996

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		410
Beryllium	6010	0.75	75	0.10		N.D.
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		30
Cobalt	6010	80	8000	0.50		5.1
Copper	6010	25	2500	0.50		16
Lead	6010	5.0	1000	1.0		6.4
Mercury	7471	0.20	20	0.020		0.071
Molybdenum	6010	350	3500	0.50		N.D.
Nickel	6010	20	2000	0.50		11
Selenium	6010	1.0	100	1.0		N.D.
ver	6010	5.0	500	0.50		N.D.
allium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		20
Zinc	6010	250	5000	0.50		34

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1

Exxon U.S.A.
O. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction Field

Sample Descript: Soil, 9A GPA #4
Lab Number: FD00236

Sampled: Mar 29, 199
Received: Apr 2, 199
Extracted: Apr 2-8, 199
Analyzed: Apr 2-8, 199
Reported: Apr 10, 199

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Flashpoint (°C)	1010	25	N.D.
pH (pH units)	150.1	N.A.	6.5

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Nick DiMaio
Project Manager

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'on U.S.A.
J. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction Field

Sample Descript: Soil, 9A GPA #5
Lab Number: FD00237

Sampled: Mar 29, 96
Received: Apr 2, 1996
Extracted: Apr 2-8, 1996
Analyzed: Apr 2-8, 1996
Reported: Apr 10, 1996

LABORATORY ANALYSIS

Analyte	EPA Method	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Flashpoint (°C)	1010	25	N.D.
pH (pH units)	150.1	N.A.	7.9

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-13

Exxon, U.S.A.
P.O. Box 1600, ML-14
Midland, TX 79702
Attention: Phillip Sanchez

Client Project ID: Castaic Junction Field
Sample Descript: 9AGPA#4
Analysis Method: See below
Lab Number: FD00236

Sampled: March 29 1996
Received: April 2, 1996
Analyzed: Apr 4-8, 1996
Reported: April 10,1996

STATIC ACUTE HAZARDOUS WASTE BIOASSAY - DEFINITIVE

Species: Pimephales promelas
Common Name: Fathead Minnow

Mean length: 28 mm
Min. length: 21 mm
Max. length: 32 mm
Mean weight: 0.4 g
Min. weight: 0.2 g
Max. weight: 0.4 g

Control Water: Synthetic Softwater
Hardness 40-48

Organisms/Tank: 10
Organisms/Conc.: 20
Tank Depth: 13 cm
Tank Volume: 10 L
Supplier: Sticklebacks Unlimited
Acclimation Temp.: 20 °C

	Alkalinity, mg/L		Hardness, mg/L	
	Initial	Final	Initial	Final
Control	19	22	34	36
1000 ppm	20	21	36	44
Duplicate 1000 ppm	22	16	34	34

	Initial	24 Hr	48 Hr	72 Hr	96 Hr
DATE	4/4/96	4/5/96	4/6/96	4/7/96	4/8/96

	DO	C	pH	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	Total
	mg/L	Temp	Units	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	Dead
Control	7.7	19	7.5	7.8	19	7.6	0	7.9	20	7.7	0	7.8	20	7.6	0	6.8	20	7.3	0	0
1000 ppm	7.6	19	7.4	7.2	19	7.4	0	7.2	20	7.4	0	7.3	20	7.5	0	8.1	20	7.4	0	0
750 ppm	8.0	19	7.6	7.8	19	7.6	0	8.0	20	7.6	0	8.0	20	7.5	0	7.4	20	7.6	0	0
500 ppm	7.7	19	7.5	7.4	19	7.6	0	8.0	20	7.4	0	8.0	20	7.4	0	8.2	20	7.7	0	0
250 ppm	7.6	19	7.5	7.3	19	7.5	0	7.8	20	7.4	0	7.8	20	7.4	0	7.8	20	7.4	0	0
100 ppm	7.7	19	7.6	7.2	19	7.7	0	8.0	20	7.5	0	8.3	20	7.5	0	7.2	20	7.6	0	0

Duplicate	DO	C	pH	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	DO	C	pH	# M	Total
	mg/L	Temp	Units	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	mg/L	Temp	Units	Dead	Dead
1000 ppm	7.7	19	7.4	7.6	19	7.5	0	6.9	20	7.4	0	7.8	20	7.6	0	8.3	20	7.3	0	0
500 ppm	7.8	19	7.5	7.7	19	7.6	0	7.7	20	7.5	0	7.9	20	7.5	0	7.5	20	7.4	0	0
250 ppm	8.2	19	7.6	7.9	19	7.6	0	7.4	20	7.6	0	7.8	20	7.6	0	8.2	20	7.6	0	0
250 ppm	8.0	19	7.5	7.9	19	7.6	0	7.4	20	7.5	0	7.9	20	7.5	0	7.5	20	7.5	0	0
100 ppm	8.0	19	7.5	7.2	19	7.4	0	7.5	20	7.4	0	7.2	20	7.4	0	6.5	20	7.7	0	0

LC-50: 0.00ppm
LC-50 Calculation Method: Binomial

Remarks:

Analyst: Paul Shih
Method Reference: Static Acute Bioassay Procedures for Hazardous Waste Samples, November 1988, California Department of Fish and Game WPCL.

. MAR ANALYTICAL, VAN NUYS (ELAP #1855)

W. Thomas
Wendy Thomas
Laboratory Manager

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Exxon, U.S.A.
P.O. Box 1600, ML -14
Midland, TX 79702
Attention: Phillip Sanchez

Client Project ID: Castaic Junction Field
Sample Descript: 9AGPA#5
Analysis Method: See below
Lab Number: FD00237

Sampled: March 29 1996
Received: April 2, 1996
Analyzed: Apr 4-8, 1996
Reported: April 10,1996

STATIC ACUTE HAZARDOUS WASTE BIOASSAY - DEFINITIVE

Species: Pimephales promelas
Common Name: Fathead Minnow

Mean length: 28 mm
Min. length: 23 mm
Max. length: 33 mm
Mean weight: 0.4 g
Min. weight: 0.3 g
Max. weight: 0.5 g

Control Water: Synthetic Softwater
Hardness 40-48

Organisms/Tank: 10
Organisms/Conc.: 20
Tank Depth: 13 cm
Tank Volume: 10 L
Supplier: Sticklebacks Unlimited
Acclimation Temp.: 20 °C

	Alkalinity, mg/L		Hardness, mg/L	
	Initial	Final	Initial	Final
Control	20	18	26	32
1000 ppm	20	19	26	34
Duplicate 1000 ppm	18	19	28	30

	Initial	24 Hr	48 Hr	72 Hr	96 Hr
DATE	4/4/96	4/5/96	4/6/96	4/7/96	4/8/96

	DO mg/L	C Temp	pH Units	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	Total Dead
Control	8.2	19	7.5	8.1	19	7.6	0	7.8	20	7.7	0	7.9	20	7.5	0	8.1	20	7.4	0	0
1000 ppm	7.5	19	7.4	7.9	19	7.6	0	7.9	20	7.6	0	7.9	20	7.6	0	7.2	20	7.7	0	0
750 ppm	8.1	19	7.5	7.9	19	7.6	0	7.6	20	7.6	0	7.5	20	7.6	0	6.4	20	7.6	0	0
500 ppm	7.9	19	7.5	7.8	19	7.6	0	7.8	20	7.6	0	7.8	20	7.6	0	7.6	20	7.4	0	0
250 ppm	7.7	19	7.5	7.7	19	7.6	0	7.5	20	7.5	0	7.6	20	7.0	0	8.2	20	7.3	0	0
100 ppm	7.8	19	7.4	7.4	19	7.4	0	7.4	20	7.3	0	7.4	20	7.4	0	8.2	20	7.5	0	0

Duplicate	DO mg/L	C Temp	pH Units	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	Total Dead
1000 ppm	8.2	19	7.4	7.9	19	7.6	0	7.9	20	7.6	0	7.9	20	7.6	0	8.2	20	7.7	0	0
500 ppm	7.4	19	7.4	7.7	19	7.6	0	7.9	20	7.6	0	7.9	20	7.0	0	8.0	20	7.6	0	0
250 ppm	8.1	19	7.5	7.7	19	7.5	0	7.6	20	7.5	0	7.7	20	7.5	0	7.4	20	7.4	0	0
250 ppm	8.3	19	7.5	7.9	19	7.6	0	7.9	20	7.5	0	7.9	20	7.6	0	8.0	20	7.5	0	0
100 ppm	8.3	19	7.5	8.0	19	7.6	0	8.1	20	7.4	0	8.0	20	7.6	0	8.3	20	7.6	0	0

LC-50: 0.00ppm

LC-50 Calculation Method: Binomial

Remarks:

Analyst: Paul Shih

Method Reference: Static Acute Bioassay Procedures for Hazardous Waste Samples, November 1988, California Department of Fish and Game WI

DEL MAR ANALYTICAL, VAN NUYS (ELAP #1855)

Wendy Thomas
Laboratory Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

:on U.S.A.
). Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Method Blank

Extracted: Apr 3, 1996
Analyzed: Apr 3, 1996
Reported: Apr 10, 1996
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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‹on U.S.A.
J. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Method Blank

Extracted: Apr 4-5,
Analyzed: Apr 4-8, 1996
Reported: Apr 10, 1996
Matrix Soil

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
Method Blank	N.D.	N.A.

Detection Limit:	5.0

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C30.

Analytes reported as N.D. were not present above the stated limit of detection.
Del Mar Analytical Mobile Laboratory #1
DEL MAR ANALYTICAL, IRVINE (ELAP #1794)

Rick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1

Chevron U.S.A.
P. O. Box 1600 ML-14
Midland, TX 79702
Attention: Phillip Marquez

Method Blank

Extracted: Apr 3, 199
Analyzed: Apr 3-4, 199
Reported: Apr 10, 199
Matrix Soil

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0		N.D.
Arsenic	6010	5.0	500	1.0		N.D.
Barium	6010	100	10000	0.50		N.D.
Beryllium	6010	0.75	75	0.10		N.D.
Cadmium	6010	1.0	100	0.10		N.D.
Chromium, VI	7196	5.0	500	0.25		N.D.
Chromium, total	6010	5.0	2500	0.50		N.D.
Cobalt	6010	80	8000	0.50		N.D.
Copper	6010	25	2500	0.50		N.D.
Lead	6010	5.0	1000	1.0		N.D.
Mercury	7471	0.20	20	0.020		N.D.
Molybdenum	6010	350	3500	0.50		N.D.
Nickel	6010	20	2000	0.50		N.D.
Selenium	6010	1.0	100	1.0		N.D.
Silver	6010	5.0	500	0.50		N.D.
Thallium	6010	7.0	700	5.0		N.D.
Vanadium	6010	24	2400	0.50		N.D.
Zinc	6010	250	5000	0.50		N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1

MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 04/03/96

Sample #: FD00109

Batch #: FD03141S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.020	1.1	1.2	1.2	107	105	2.4	106	≤10	81 - 129
Benzene	0	0.10	0.091	0.092	91	92	1.8	92	≤7.2	77 - 115
Toluene	0.00046	0.10	0.091	0.092	91	92	1.1	91	≤7.0	76 -
Ethylbenzene	0	0.10	0.092	0.093	92	93	1.0	92	≤7.0	77 - 115
Xylenes	0.00061	0.30	0.28	0.28	94	94	0.66	94	≤7.1	79 - 117

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-184
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-133

MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 4/4/96

SAMPLE #: FD00232

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	1.2	50	43	46	84%	90%	6.7%	87%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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EXXON C[illegible]Y, USA
CHAIN OF CUS[illegible]ODY RECORD

DATE: 3-28-
PAGE: 1 OF 2

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: P. Sanchez
ADDRESS: Exxon U.S.A P.O.Box 1600 ML-14 Midland Tx. 79702
PROJECT CONTACT: Phillip Marquez (915)6886248 PHONE NO: Fax (915) 6886199
CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO:

EXXON RAS NO:
EXXON SITE LOCATION: Castaic Junction
EXXON ENGINEER: P. Marquez
LABORATORY WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Phillip Sanchez
SAMPLER'S SIGNATURE: Phillip Sanchez
SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	EPA 8015G/8020	TPH/GAS - 8015M	VPH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504			
TB3-1H	3-27	10:00 AM	Soil		1	✓		✓									
TB3-1L																	
TB3-2H																	
TB3-2L																	
TB-3-3H																	
TB3-3L																	
TB-3-4H																	
TB-3 4L																	
TB-35H																	
TB-35L		10:30			↓	↓		↓									
TB-3616	↓	1:10 [illegible]	Soil			✓		✓						✓			

ANALYSIS

REMARKS:

LACDPW FORMAT:
YES ___ NO ___

TURNAROUND TIME:
24 HR ___
48 HR ___
72 HR ___
96 HR ___
5 DAYS ___
10 DAYS ___

SAMPLE INTEGRITY:
INTACT ✓
ON ICE ___

RELINQUISHED BY:	DATE/TIME: 4/1/96 1:40	RECEIVED BY:	DATE/TIME: 4/1/96 1:40
RELINQUISHED BY:	DATE/TIME: 4/2 10:55	RECEIVED BY:	DATE/TIME: 4/2/96 10:55
RELINQUISHED BY:	DATE/TIME: 4/2 12:55	RECEIVED IN LAB:	DATE/TIME: 4/3/96 12:55 pm

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EXXON ANY, USA
CHAIN OF CUSTODY RECORD

DATE: 2-25
PAGE: 2 OF 2

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: P. Sanchez
ADDRESS: Exxon USA P.O Box 1600 ML-14 Midland Tx. 79702
PROJECT CONTACT: Phillip Marquez PHONE NO: (915) 6886248 Fax# (915) 6886199
CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO:

EXXON RAS NO:
EXXON SITE LOCATION: Castaic Junction
EXXON ENGINEER: P. Marquez
LABORATORY WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Phillip Sanchez
SAMPLER'S SIGNATURE: Phillip Sanchez
SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015G/8020	TPH/GAS - 8015M	VPH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504	Title 22 CAM Metals TTLC - STLC - PH Ignitability	Aquatic Bioassay LC50
9A GPA #4	3-29	9:00 AM	Soil		1										✓	✓
9A GPA #5	3-29	"	W		1										✓	✓
													1			

REMARKS: per Phil Marquez EXXON 4/2/96 1520 HRS

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:
24 HR ___
48 HR ___
72 HR ___
96 HR ___
5 DAYS ___
10 DAYS ___

SAMPLE INTEGRITY:
INTACT ✓
ON ICE ___

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
Phillip Sanchez	4/1/96 1:40	[illegible]	4/1/96 1:40
[illegible]	4/2/96 10:57	[illegible]	4/4 96 10:57
[illegible]	4/2 12:57	Libby Vangelos	4/2/96 12:55

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 3-28-96

PAGE: 1 OF 2

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: P. Sanchez

ADDRESS: Exxon U.S.A P.O.Box 1600 ML-14 Midland Tx. 79702

PROJECT CONTACT: Phillip Marquez (915)6886248 PHONE NO: Fax (915) 6886199

CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO:

EXXON RAS NO:

EXXON SITE LOCATION: Castaic Junction

EXXON ENGINEER: P. Marquez

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

SAMPLED BY (PRINT NAME): Phillip Sanchez

SAMPLER'S SIGNATURE: Phillip Sanchez

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504			
TB3-1H	3-27	10:00 AM	SOIL		1	✓		✓									
TB3-1L																	
TB3-2H																	
TB3-2L																	
TB-3-3H																	
TB3-3L																	
TB-3-4H																	
TB3 4L																	
TB-35H																	
TB-35L		10:30				✓		✓					✓				
TB-3616		1:10 PM	GW			✓		✓									

REMARKS:

LACDPW FORMAT:

YES ___ NO ___

TURNAROUND TIME:

24 HR ___

48 HR ___

72 HR ___

96 HR ___

5 DAYS ___

10 DAYS ___

SAMPLE INTEGRITY:

INTACT ✓

ON ICE ___

RELINQUISHED BY:	DATE/TIME: 4/1/96 1:40	RECEIVED BY:	DATE/TIME: 4/1/96 1:40
RELINQUISHED BY:	DATE/TIME: 4/2 10:53	RECEIVED BY:	DATE/TIME: 4/2/96 10:53
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME:

CONFIDENTIAL

EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 2-28-0

PAGE: 2 OF 2

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: P. Sanchez

ADDRESS: Exxon USA P.O Box 1600 ML-14 Midland Tx. 79702

PROJECT CONTACT: Phillip Marquez PHONE NO: (915) 6886248

CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO: Fax # (915) 6886199

EXXON RAS NO:

EXXON SITE LOCATION: Castaic Junction

EXXON ENGINEER: P. Marquez

LABORATORY WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Phillip Sanchez

SAMPLER'S SIGNATURE: Phillip Sanchez

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504	Title 22 CAM Metals TTLC, STLC-PH Ignitability	Aquatic Bioassay
9A GPA #4	3-29	9:00 AM	Soil		1										X	X
9A GPA #5	3-29	11	"		1										X	X

RD/DMA

REMARKS:

LACDPW FORMAT:

YES ___ NO ___

TURNAROUND TIME:

24 HR ___

48 HR ___

72 HR ___

96 HR ___

5 DAYS ___

10 DAYS ___

SAMPLE INTEGRITY:

INTACT ✓

ON ICE ___

RELINQUISHED BY:	DATE/TIME: 4/1/96 1:40	RECEIVED BY:	DATE/TIME: 4/1/96 1:40
RELINQUISHED BY:	DATE/TIME: 4/2/96 10:57	RECEIVED BY:	DATE/TIME: 4/4 96 10:57
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME:

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-13

Exxon USA
P.O.Box 1600, ML-14
Midland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FC02116

Sampled: Mar 12, 1996
Received: Mar 14, 1996
Extracted: Mar 16-18, 1996
Analyzed: Mar 16-18, 1996
Reported: Mar 21, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FC02116	TB2P-1	N.D.	N.D.	N.D.	N.D.	N.D.
FC02117	TB2P-2	N.D.	N.D.	N.D.	N.D.	N.D.
FC02118	TB2P-3	N.D.	N.D.	N.D.	N.D.	N.D.
FC02119	6BTB3-S1	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C15.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Nick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-13

Exxon USA
P.O.Box 1600, ML-14
Midland, TX 79702
Attention: Phillip Marquez

Client Project ID: Castaic Junction
Analysis Method: EPA 3550/CA DHS Mod. 8015
First Sample #: FC02116

Sampled: Mar 12, 1996
Received: Mar 14, 1996
Extracted: Mar 19, 1996
Analyzed: Mar 20, 1996
Reported: Mar 21, 1996

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FC02116	TB2P-1	420	C14-C40
FC02117	TB2P-2	940	C10-C40
FC02118	TB2P-3	1,400	C14-C40
FC02119	6BTB3-S1	N.D.	N.A.

Detection Limit:	5.0

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon USA
P.O.Box 1600, ML-14
Midland, TX 79702
Attention: Phillip Marquez

Method Blank

Extracted: Mar 16-18, 1996
Analyzed: Mar 16-18, 1996
Reported: Mar 21, 1996
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C15.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968

Exxon USA
P.O.Box 1600, ML-14
Midland, TX 79702
Attention: Phillip Marquez

Method Blank

Extracted: Mar 19, 199
Analyzed: Mar 20 99
Reported: Mar 21, 199
Matrix Soil

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
Method Blank	N.D.	N.A.

Detection Limit:	5.0

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Nick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-133

MS/MSD DATA REPORT

EPA METHOD: **8015/8020**
Matrix: Soil

Date: 3/16/96

Sample #: FC02106

Batch #: FC16141S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
TPH	0.032	1.1	1.1	1.1	98	100	2.0	99
Benzene	0	0.10	0.088	0.087	88	87	0.72	87
Toluene	0	0.10	0.087	0.087	87	87	0.87	87
Ethylbenzene	0	0.10	0.088	0.087	88	87	0.7	88
Xylenes	0	0.30	0.27	0.27	90	89	0.95	89

Definition of Terms

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

Mean PR..... Mean Percent Recovery

Acceptance Limits..... Determined by in-house Control Charts

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-13

MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 3/19/96

SAMPLE #: FC02119

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	0.58	50	37	36	73%	71%	2.7%	72%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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FINAL CLOSURE REPORT

CASTAIC JUNCTION OIL FIELD

FEBRUARY, 1997

EXXON COMPANY, U.S.A
MIDLAND PRODUCTION ORGANIZATION
P.O. BOX 1600
MIDLAND, TEXAS 79702

Prepared by:

Phillip G. Marquez, REA
Senior Regulatory Specialist
Exxon Company, U.S.A.

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EXXON COMPANY, U.S.A.
POST OFFICE BOX 3116 • MIDLAND TEXAS 79702-3116

MIDLAND PRODUCTION ORGANIZATION
OPERATIONS SUPERINTENDENT

March 12, 1997

Mr. John R. Frye
Vice President - Agriculture
Newhall Land and Farming Company
23823 Valencia Boulevard
Valencia, California 91355-2194

Dear John:

This letter report will serve as the final closure report for our remediation and site restoration activities at Exxon's Castaic Junction Oil Field. This report is a follow up to the "Closure Report - Castaic Junction Oil Field July 1996" which was submitted to you on August 20, 1996.

The two final areas requiring additional work have been addressed since the submittal of the July 1996 report. These areas are: 1) a partially buried debris collection area (trash pit) located down slope southwest of Well NL&F 11; and 2) a pit (cooling tower sump) located in the former location of a cooling tower and two glycol reboilers on the western slope of the hillside west of the former office location .

Trash Pit

A visual inspection revealed the presence of various oil field and household items in the hillside down slope of Well NL&F 11. A temporary access road was built in order to move equipment near the debris. A power screen and conveyor belt were set up west of the site (Photo #1). Graders scraped the hill side surface moving the debris toward the bottom of the slope (Photo #2). Overburden dirt and debris were loaded into the power screen for separation.

Approximately 2 1/2 tons of metal debris was recovered and recycled as scrap metal (Photos #3 and 4). The household debris, which included wood, paper, glass, etc., was disposed of as municipal trash. Upon completion of debris removal, the access road was ripped to promote natural revegetation.

Cooling Tower Sump

Previous Phase I and II environmental assessments of the field identified an area of surface staining on the western slope of the hillside west of the former office location. The initial excavation extended to approximately 28 feet below ground surface (bgs). The area was further characterized using a hollow stem auger and was found to have petroleum hydrocarbon impacts to approximately 95 feet bgs.

The surface area was estimated to be approximately 65 feet in diameter. Samples were analyzed at Del Mar Analytical Laboratories, a California state certified laboratory. All samples were verified to be non-hazardous according to California Code of Regulations Title 22 criteria. The analytical data is contained in Appendix D.

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Due to the projected depth of impact, several remediation options were considered including onsite land farming, thermal treatment and in-situ bio venting. Western Thermal Soils Company was selected to perform on site thermal desorption of the impacted material.

Prior to excavation, a site specific Rule 1166 contaminated soil mitigation plan was submitted to and approved by the South Coast Air Quality Management District for the excavation and handling of volatile organic compound (VOC) contaminated soils. VOC contaminated soils are defined as soils which register 50 ppm or greater when measured with an EPA Method 21 approved monitoring device. A Health and Safety Plan was prepared for the excavation which identified contaminants of concern, potential exposure pathways and emergency response measures. A full time contractor (Total Safety, Inc., Bakersfield, California) was hired to perform ambient air and soil monitoring during excavation activities.

During the course of excavation, approximately 100,000 cubic yards (140,000 tons) of clean overburden material was excavated. This material was used in the construction of haul roads and the pad site for the thermal desorption unit. The pad site consisted of a power screen and conveyor system, a lined stockpile area, thermal treatment unit and treated soil area (Photo Nos. 5 and 6). The pad was expanded using the treated soils during the operation.

Approximately 20,000 tons of impacted soil was thermally treated on site by Western Thermal Soils Company using low temperature thermal desorption technology. The treated soil was sampled daily by Western Thermal. The samples were analyzed at American Environmental Testing Laboratories, Burbank, California. Approximately 500 to 600 tons were treated per day. Random confirmation samples were analyzed by Exxon at Del Mar Analytical laboratories. The samples were analyzed for total petroleum hydrocarbons (TPH) using EPA method 8015 (modified) and BTEX using EPA method 8020. Analytical sampling results are included in Appendix C. All analytical results met Level B of the California Regional Water Quality Control Board, Los Angeles Region "Interim Guidance for Remediation of Petroleum Impacted Sites, Soil Screening Levels - November 1994." Level B clean up levels were followed during all lease abandonment activities for consistency and **as a general minimum guide.** However, the analytical data in Appendix C indicate that the majority of results were none detect. Total petroleum hydrocarbon results for all samples were below 100 ppm.

Approximately 4,000 tons of impacted material were hauled off site to the American Remedial Technologies (A.R.T.), Lynwood, California fixed thermal desorption facility for treatment. The material hauled to A.R.T. was not returned to the Castaic site.

The final excavation was performed on December 3, 1996. Final TPH and BTEX verification sampling of the bottom hole and side walls were taken by Exxon and D.E. Meyers (NL&F environmental consultant) and witnessed by Exxon and Newhall Land and Farming personnel. A map showing the original and final contours as well as the location of the final sample locations is presented in Figure 1. The samples locations (1058NB, 1062 WNE, 1053 CB, 1053 SB, 1062 NW and 1059 WSE), shown in Photo #7 and corresponding monitoring readings are included in Figure 2. The final verification analytical data is presented in Appendix B.

The original elevation of the stained soil was 1150 feet above sea level. The final excavation was surveyed by WLM Surveys at 1050.38 feet above sea level. Approximately 100 vertical feet of soil was excavated. The site was located near the edge of a steeply sloped hill. The lower 20 feet of the excavation was back filled with clean soil and the remainder sloped to drain out to the west. Steep cut slopes were benched and drainage diverted surface run off away from the area (Photo Nos. 8 and 9).

SUMMARY

The activities described in this submittal represent the final site restoration planned for Exxon's Castaic Junction oil field. Approximately 24,000 tons of impacted material was removed and treated from the last known impacted area.

Significant remediation and site restoration activities have been conducted to restore the lease per our "Quitclaim and Surrender of Oil and Gas Lease" dated April 6, 1995. All oil wells, surface facilities and pipelines have been abandoned. We have made extensive efforts to identify and remedy any known impacts from our operations. We request confirmation that our efforts have satisfied the conditions of this Quitclaim at your earliest convenience.

No further work activities are planned, however, we need to have continued access for two to three years to perform periodic monitoring of revegetation efforts associated with our California Department of Fish & Game Streambed Alteration Agreement for well sites within the Santa Clara River bottom.

Please call me at (915) 688-6705 or Phil Marquez at (915) 688-6248 if you would like to discuss this submittal.

Sincerely,

Leon W. Pace

PGM:mym
I\cstcr2.doc

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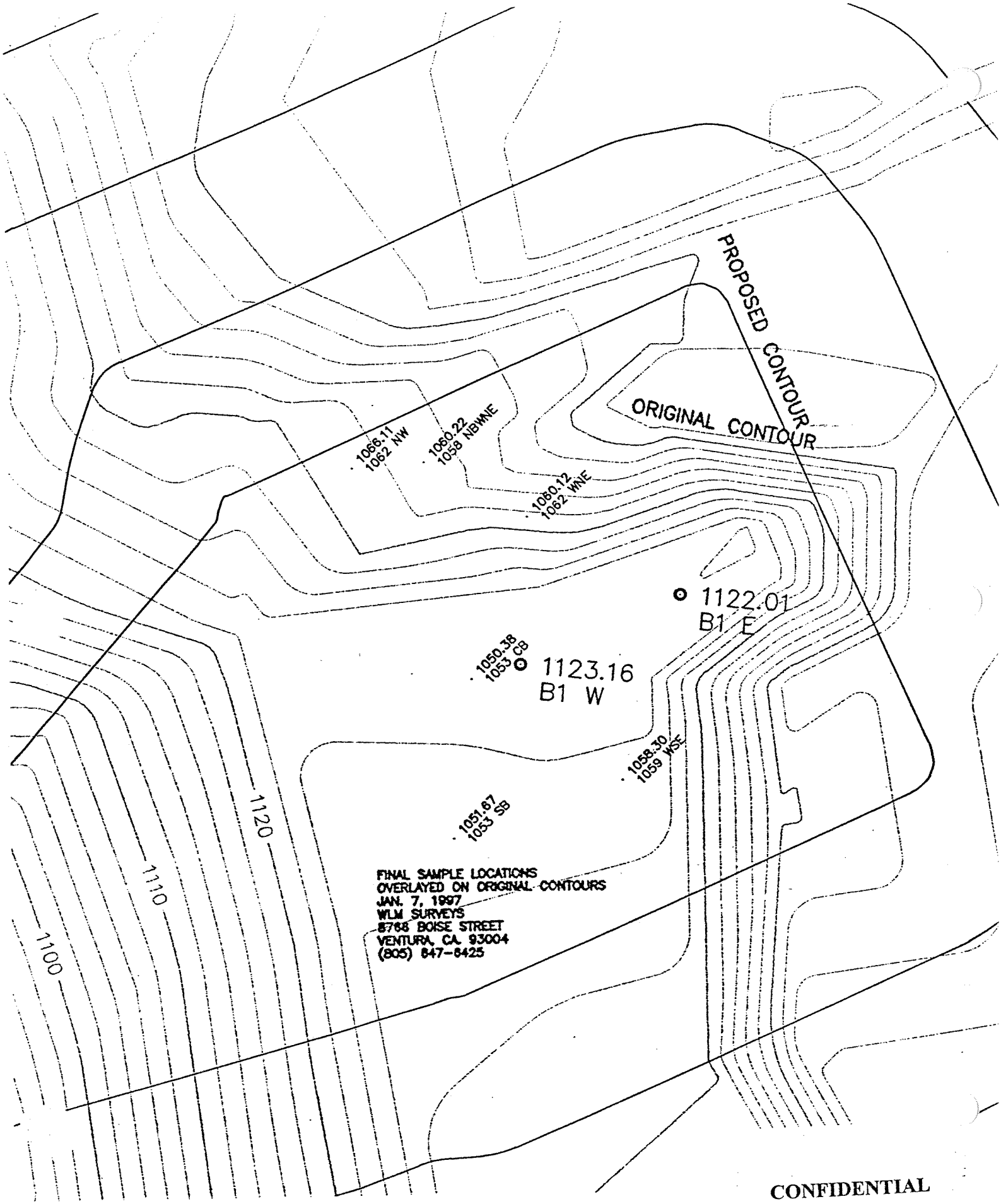

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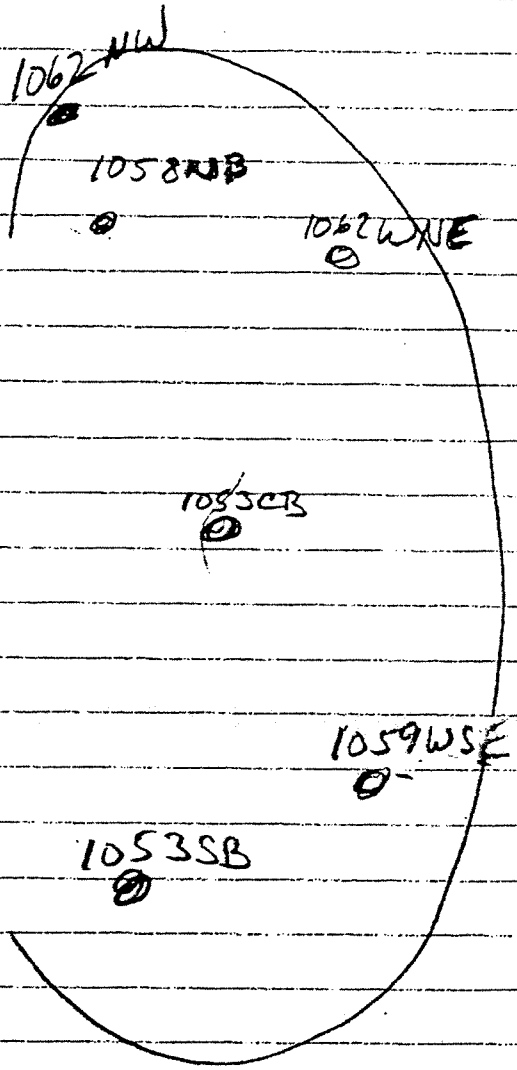
Figure 1

12-3-96



N

Monitoring Readings

(1) 1058 NB
12/3/96
9:38 8 ppm

(3) 1062 WNE
9:52 0 ppm

(2) 1053 CB
9:45 25 ppm

(4) 1053 SB 0 ppm
10:00

(5) 1062 NW 0 ppm
10:05

(6) 1059 WSE 0 ppm

Figure 2

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APPENDIX A: SITE PHOTOGRAPHS

PHOTO #1 TRASH PIT POWER SCREEN AND CONVEYOR
SEPTEMBER 5, 1996

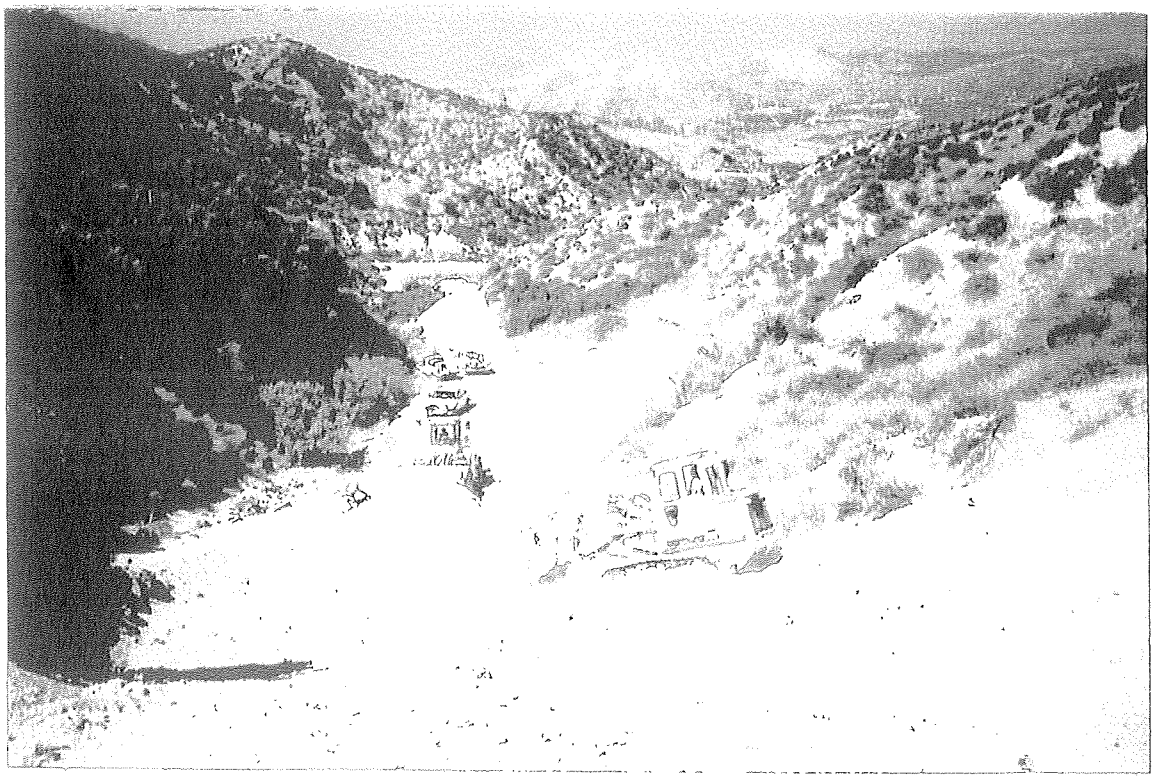

PHOTO #2 TRASH PIT SCRAPING OPERATION
SEPTEMBER 5, 1996

PHOTO #3 TRASH PIT DEBRIS
SEPTEMBER 5, 1996

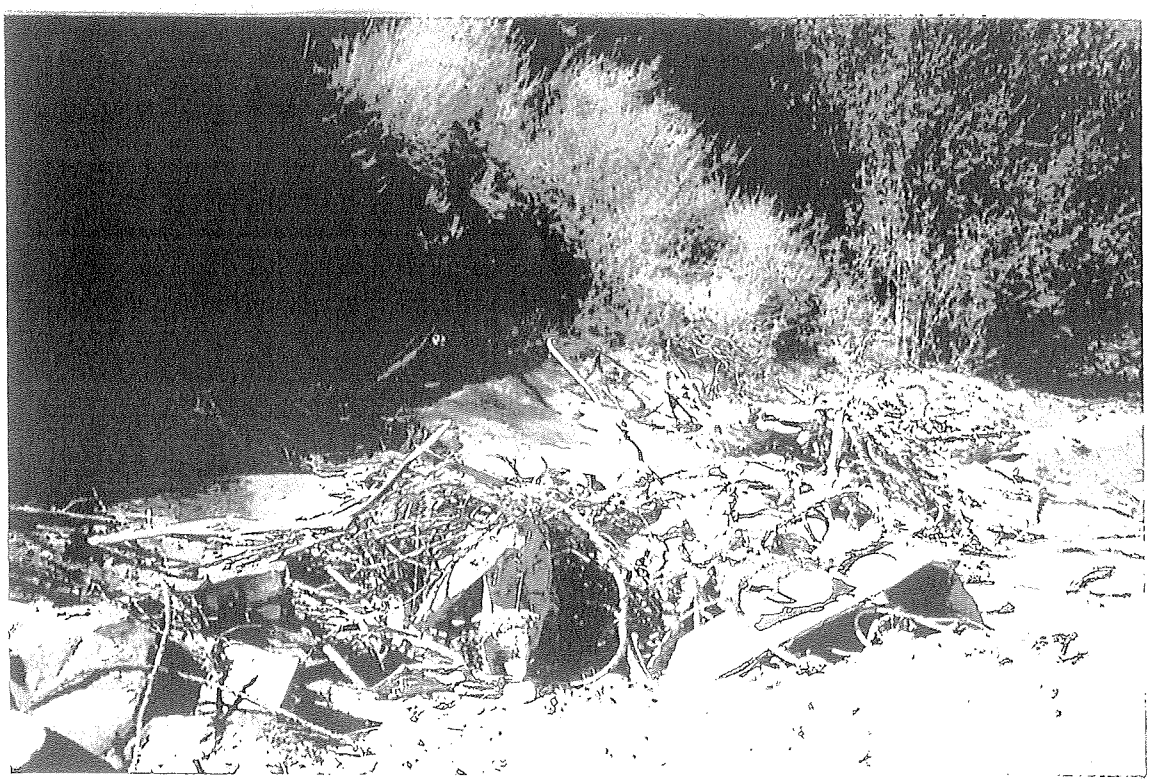

PHOTO #4 TRASH PIT DEBRIS
SEPTEMBER 5, 1996

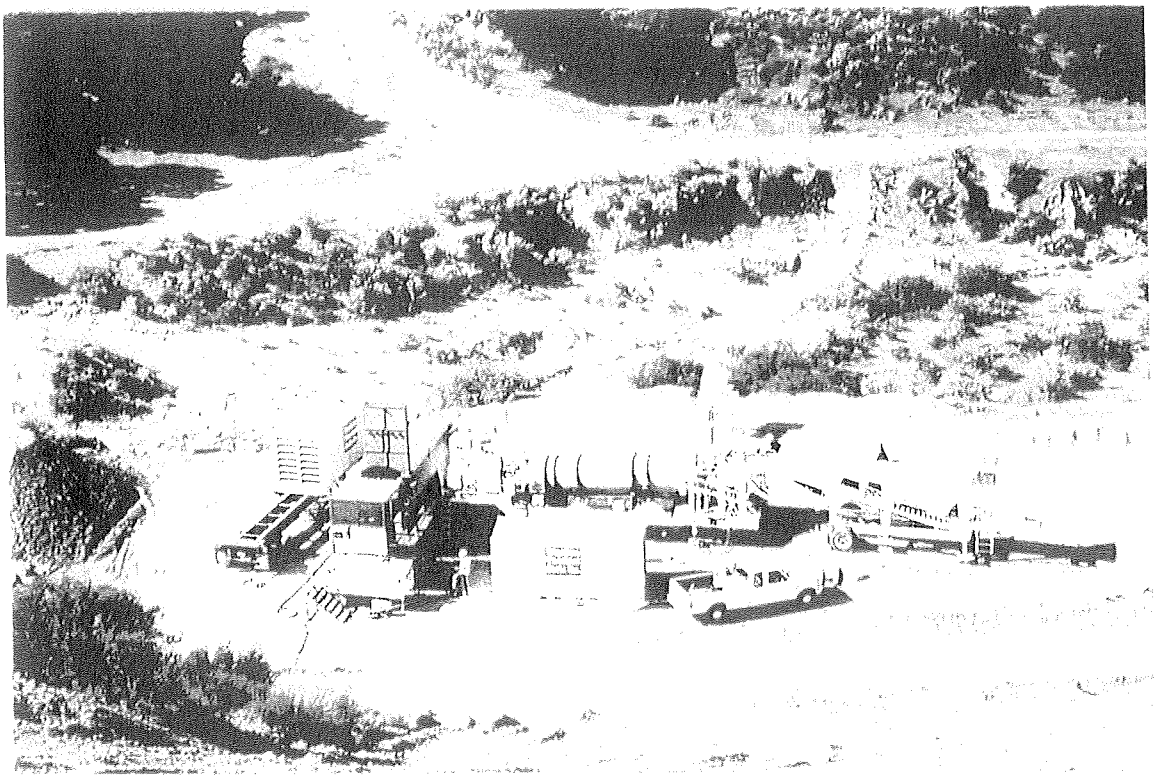

PHOTO #5 WESTERN THERMAL DESORPTION UNIT
OCTOBER 9, 1996

PHOTO #6 THERMAL DESORPTION UNIT AND POWER SCREEN
OCTOBER 8, 1996

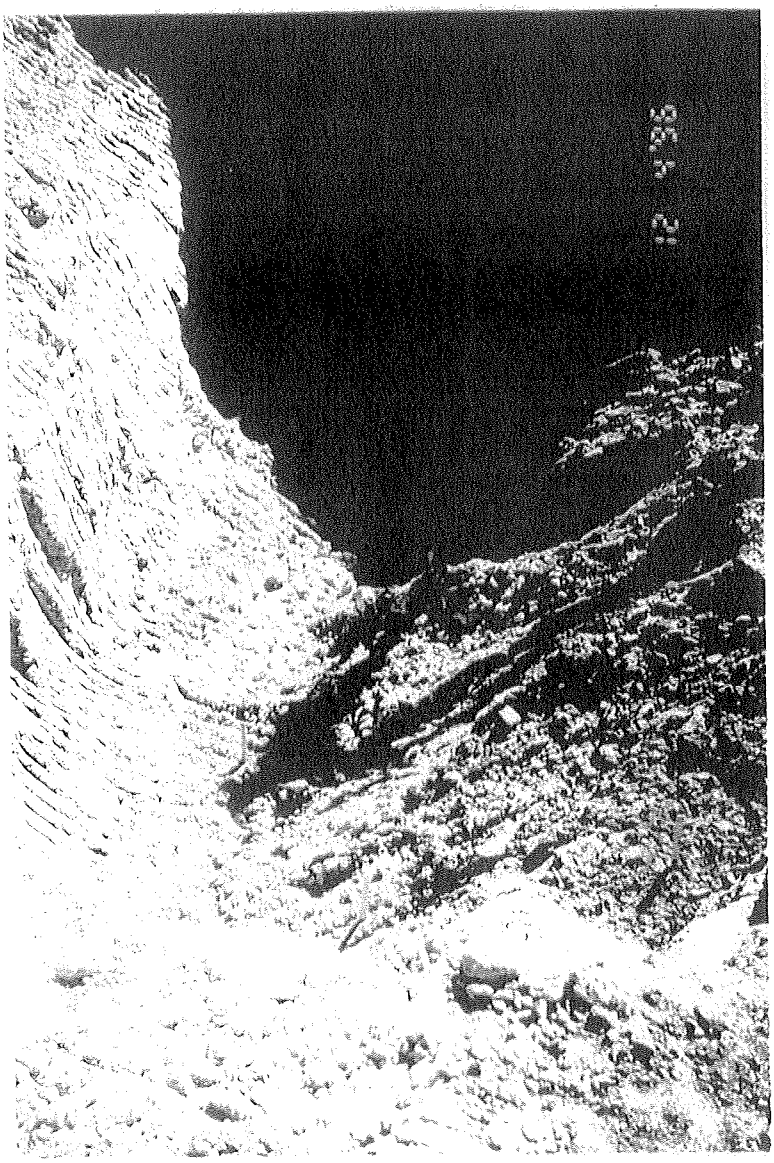

PHOTO #7 FINAL SUMP CLOSURE SAMPLING LOCATIONS
DECEMBER 4, 1996

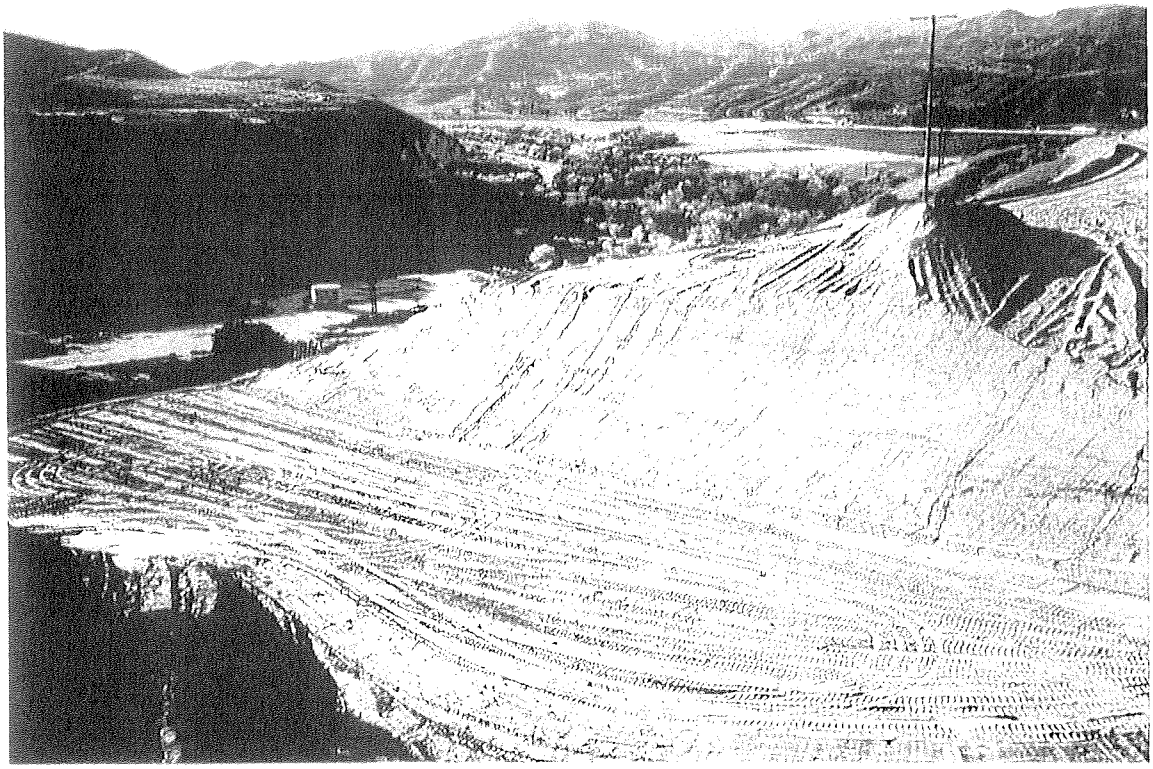

PHOTO #8 FINAL SUMP CLOSURE
DECEMBER 17, 1996

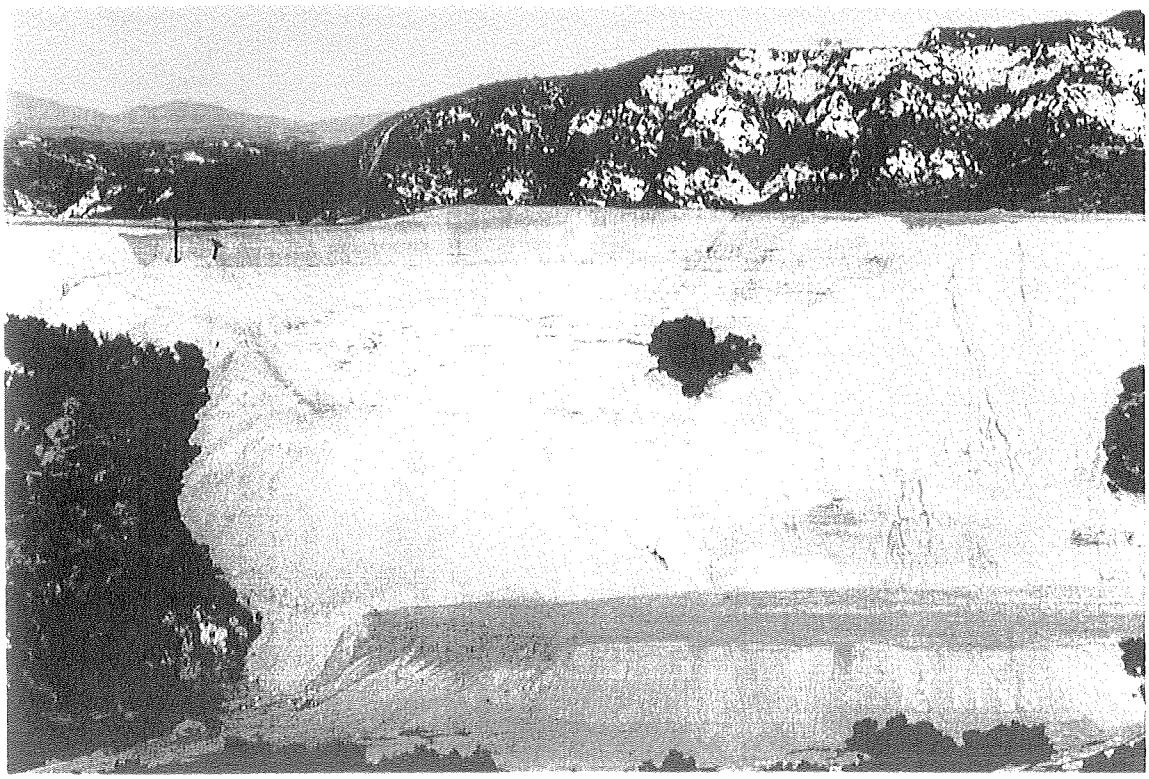

PHOTO #9 FINAL SUMP CLOSURE
DECEMBER 17, 1996

APPENDIX B: FINAL VERIFICATION ANALYTICAL DATA

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FL00218

Sampled: Dec 3, 1996
Received: Dec 3,
Extracted: Dec 4, 1996
Analyzed: Dec 4, 1996
Reported: Dec 4, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FL00218	1062 NW	N.D.	N.D.	N.D.	N.D.	N.D.
FL00219	1053 SB	N.D.	N.D.	N.D.	N.D.	N.D.
FL00220	1058 NB	N.D.	N.D.	N.D.	N.D.	N.D.
FL00221	1062 WNE	N.D.	N.D.	N.D.	N.D.	N.D.
FL00222	1059 WSE	N.D.	N.D.	N.D.	N.D.	N.D.
FL00223	1053 CB	N.D.	N.D.	N.D.	N.D.	N.D.
FL00224	TD91119	N.D.	N.D.	N.D.	N.D.	N.D.
FL00225	TDU1120	N.D.	N.D.	N.D.	N.D.	N.D.
FL00226	TDU1118	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-

Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FL00218

Sampled: Dec 3, 199
Received: Dec 3, 199
Extracted: Dec 4, 199
Analyzed: Dec 4, 199
Reported: Dec 4, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FL00218	1062 NW	N.D.	C8 - C12	N.D.
			C13 - C22	N.D.
			C23 - C40	N.D.
Total Hydrocarbons		N.D.		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FL00219

Sampled: Dec 3, 1996
Received: Dec 3, [illegible]
Extracted: Dec 4, 1996
Analyzed: Dec 4, 1996
Reported: Dec 4, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FL00219	1053 SB	N.D.	C8 - C12	N.D.
			C13 - C22	N.D.
			C23 - C40	N.D.
	Total Hydrocarbons	N.D.		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FL00220

Sampled: Dec 3, 199
Received: Dec 3, 199
Extracted: Dec 4, 199
Analyzed: Dec 4, 199
Reported: Dec 4, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FL00220	1058 NB	N.D.	C8 - C12	N.D.
			C13 - C22	N.D.
			C23 - C40	N.D.
	Total Hydrocarbons	N.D.		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FL00221

Sampled: Dec 3, 1996
Received: Dec 3, 6
Extracted: Dec 4, 1996
Analyzed: Dec 4, 1996
Reported: Dec 4, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FL00221	1062 WNE	N.D.	C8 - C12	N.D.
			C13 - C22	N.D.
			C23 - C40	N.D.
	Total Hydrocarbons	N.D.		

Detection Limit: **5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FL00222

Sampled: Dec 3, 19
Received: Dec 3, 19
Extracted: Dec 4, 19
Analyzed: Dec 4, 19
Reported: Dec 4, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FL00222	1059 WSE	9.3	C8 - C12	62
		5.7	C13 - C22	38
			C23 - C40	N.D.
	Total Hydrocarbons	**15**		

Detection Limit: **5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FL00223

Sampled: Dec 3, 1[illegible]
Received: Dec 3, [illegible]
Extracted: Dec 4, 1996
Analyzed: Dec 4, 1996
Reported: Dec 4, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FL00223	1053 CB	N.D.	C8 - C12	N.D.
			C13 - C22	N.D.
			C23 - C40	N.D.
	Total Hydrocarbons	N.D.		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-

Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FL00224

Sampled: Dec 3, 199
Received: Dec 3, 199
Extracted: Dec 4, 199
Analyzed: Dec 4, 199
Reported: Dec 4, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FL00224	TD91119	N.D.	C8 - C12	N.D.
			C13 - C22	N.D.
			C23 - C40	N.D.
	Total Hydrocarbons	N.D.		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FL00225

Sampled: Dec 3, 1996
Received: Dec 3, 1996
Extracted: Dec 4, 1996
Analyzed: Dec 4, 1996
Reported: Dec 4, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FL00225	TDU1120	2.8	C8 - C12	34
		5.1	C13 - C22	62
		0.30	C23 - C40	3.5
	Total Hydrocarbons	**8.2**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968

Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FL00226

Sampled: Dec 3, 19
Received: Dec 3, 19
Extracted: Dec 4, 19
Analyzed: Dec 4, 19
Reported: Dec 4, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FL00226	TDU1118	N.D.	C8 - C12	N.D.
			C13 - C22	N.D.
			C23 - C40	N.D.
	Total Hydrocarbons	N.D.		

Detection Limit: **5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Dec 4, 199
Analyzed: Dec 4, 199
Reported: Dec 4, 199
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Dec 4, 1996
Analyzed: Dec 4, 1996
Reported: Dec 4, 1996
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C12	N.A.
	N.D.	C13 - C22	N.A.
	N.D.	C23 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 12/04/96

Sample #: FL00219

Batch #: FL04191S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.076	1.1	1.1	1.1	91	91	0.85	91	≤19	75 - 130
Benzene	0.00057	0.10	0.093	0.089	92	89	3.7	90	≤10	77 - 115
Toluene	0.00073	0.10	0.092	0.088	91	87	4.3	89	≤10	80 - 115
Ethylbenzene	0	0.10	0.099	0.095	99	95	4.1	97	≤10	84 - 115
Xylenes	0.00049	0.30	0.30	0.28	99	95	4.4	97	≤10	85 - 115

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits ..... Determined by in-house Control Charts

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EXXON CO[illegible]ANY, USA
CHAIN OF C[illegible]TODY FORM

PAGE: _____ OF _____

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Phil Marquez 915-688-6248
ADDRESS: PO Box 1600 Midland TX 79702 (F) 915-688-6199
PROJECT CONTACT: Mark Bolton PHONE NO: (P) 310-490-1575 (M) 310-729-9639
CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO:
SAMPLED BY (PRINT NAME): Mark Bolton SAMPLER'S SIGNATURE: Mark Bolton

EXXON RAS NO.:
EXXON SITE LOCATION:
EXXON ENGINEER:
LABORATORY WORK RELEASE NO:
SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS
1062 NW	12-3-96	10:05	Soil	Ice	1
1053 SB	12-3-96	10:00	"	"	1
1058 NB	12-3-96	9:38	"	"	1
1062 WNE	12-3-96	9:52	"	"	1
1059 WSE	12-3-96	10:10	"	"	1
1053 CB	12-3-96	9:45	"	"	1
TDU119	11-19-96	3:15	"	"	1
TDU120	11-20-96	02Lm	"	"	1
TDU118	11-18-96	5 pm	"	"	1

ANALYSIS

EPA 8015G/8020	TPH/GAS - 8015M	EFH/DIESEL - 8015M	EPA 602/8020	VOLATILE ORGANICS (624/8240/8260)	TOTAL LEAD EPA 6010	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504
✓	✓	✓	✓					

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REMARKS:

LACDPW FORMAT: YES NO

TURNAROUND TIME:
24 HR ✓
48 HR
72 HR
96 HR
5 DAYS
10 DAYS

SAMPLE INTEGRITY:
INTACT ✓
ON ICE ✓

RELINQUISHED BY: Mark Bolton DATE/TIME: 12/3/96 1:54
RECEIVED BY: [illegible] DATE/TIME: 12/3/96 1:54
RELINQUISHED BY: [illegible] DATE/TIME: 12/3/96 3:25
RECEIVED BY: [illegible] DATE/TIME: 12-3-96 3:25
RELINQUISHED BY: [illegible] DATE/TIME: 12-3-96 5:30
RECEIVED IN LAB BY: [illegible] 12-3-96 5:30

APPENDIX C: THERMAL DESORPTION ANALYTICAL DATA

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SUMMARY OF RESULTS

CLIENT NAME: Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

AETL JOB NO.: 7227, 7235, 7249, 7263, 7277, 7281, 7323, 7329, 7344
PROJECT: Valencia
SITE: Valencia
DATE SAMPLED: 10-14-96 to 11-11-96
DATE SUBMITTED: 10-14-96 to 11-11-96
DATE ANALYSIS COMPLETED: 10-14-96 to 11-11-96
SAMPLE DESCRIPTION: Grab soil samples (For details see COCs)
SAMPLE MATRIX: Soil
NOTE: Samples were collected by the Client

ANALYTE		BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	GASOLINE	DIESEL
UNIT		µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg	mg /Kg
METHOD OF ANALYSIS		8020	8020	8020	8020	M8015G	M8015D
DETECTION LIMIT		5	5	5	10	1.0	10
LAB NO.	FIELD NO.	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT
AE32715	1	ND	ND	ND	ND	ND	ND
AE33751	2	ND	ND	ND	ND	ND	12
AE33752	3	ND	ND	ND	ND	ND	ND
AE33753	4	ND	ND	ND	ND	ND	ND
AE32813	5	ND	ND	ND	ND	ND	22
AE33881	6	9	14	5	21	ND	10
AE32946	8	ND	ND	ND	ND	ND	ND
AE32966	9	ND	ND	ND	ND	ND	ND
AE32967	10	ND	ND	ND	ND	ND	ND
AE32968	11	ND	ND	ND	ND	ND	ND
AE32969	12	ND	ND	ND	ND	ND	ND
AE32970	13	ND	ND	ND	ND	ND	ND
AE33172	14	ND	ND	ND	ND	ND	ND
AE33173	15	ND	ND	ND	ND	ND	ND
AE33174	16	ND	ND	ND	ND	ND	ND
AE33175	17	ND	ND	ND	ND	ND	ND
AE33176	18	ND	ND	ND	ND	ND	ND

ND = Not Detected at the Detection Limit

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(Cont...)

ANALYTE		BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	GASOLINE	DIESEL
UNIT		µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg	mg /Kg
METHOD OF ANALYSIS		8020	8020	8020	8020	M8015G	M8015D
DETECTION LIMIT		5	5	5	10	1.0	10
LAB NO.	FIELD NO.	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT
AE33199	19	ND	ND	ND	ND	ND	ND
AE33200	20	ND	ND	ND	ND	ND	ND
AE33201	21	ND	ND	ND	ND	ND	ND
AE33202	22	ND	ND	ND	ND	ND	ND
AE33203	23	ND	ND	ND	ND	ND	10
AE33280	6B	ND	ND	ND	ND	ND	ND
AE33281	24	ND	ND	ND	ND	ND	ND
AE33282	25	ND	ND	ND	ND	ND	ND
AE33283	26	ND	ND	ND	ND	ND	ND
AE33284	27	ND	ND	ND	ND	ND	12
AE33285	28	ND	ND	ND	ND	ND	10

ND = Not Detected at the Detection Limit

Cyrus Razmara, Ph.D.
Laboratory Director

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AETL

American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
DOHS 1541
LACSD 10181

SUMMARY OF RESULTS

CLIENT NAME: Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

AETL JOB NO.: 7361

PROJECT: Valencia
SITE: Valencia
DATE SAMPLED: 11-14-96
DATE SUBMITTED: 11-14-96
DATE ANALYSIS COMPLETED: 11-16-96
SAMPLE DESCRIPTION: Grab soil samples (For details see COC)
SAMPLE MATRIX: Soil
NOTE: Samples were collected by the Client

ANALYTE		BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	GASOLINE	DIESEL
UNIT		µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg	mg /Kg
METHOD OF ANALYSIS		8020	8020	8020	8020	M8015G	M8015D
DETECTION LIMIT		5	5	5	10	1.0	10
LAB NO.	FIELD NO.	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT
AE33424	29	ND	ND	ND	ND	ND	19
AE33425	30	ND	ND	ND	ND	ND	33
AE33426	31	ND	ND	ND	ND	ND	ND
AE33427	M.Blank	ND	ND	ND	ND	ND	ND

ND = Not Detected at the Detection Limit

Cyrus Razmara, Ph.D.
Laboratory Director

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2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
DOHS 1541
LACSD 10181

SUMMARY OF RESULTS

CLIENT NAME: Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

AETL JOB NO.: 7396

PROJECT: Valencia
SITE: Valencia
DATE SAMPLED: 11-20-96
DATE SUBMITTED: 11-20-96
DATE ANALYSIS COMPLETED: 11-22-96
SAMPLE DESCRIPTION: Grab soil samples (For details see COC)
SAMPLE MATRIX: Soil
NOTE: Samples were collected by the Client

ANALYTE		BENZENE	TOLUENE	ETHYL BENZENE	XYLENES	GASOLINE	DIESEL
UNIT		µg/Kg	µg/Kg	µg/Kg	µg/Kg	mg/Kg	mg /Kg
METHOD OF ANALYSIS		8020	8020	8020	8020	M8015G	M8015D
DETECTION LIMIT		5	5	5	10	1.0	10
LAB NO.	FIELD NO.	RESULT	RESULT	RESULT	RESULT	RESULT	RESULT
AE33718	35	ND	ND	ND	ND	ND	ND
AE33719	36	ND	ND	ND	ND	ND	ND
AE33720	37	ND	ND	ND	ND	ND	ND
AE33721	M.Blank	ND	ND	ND	ND	ND	ND

ND = Not Detected at the Detection Limit

Cyrus Razmara, Ph.D.
Laboratory Director

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2534 North Naomi Street, Burbank, California 91504 Phone (818) 846-8200 Fax (818) 845-8840
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7374
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33510	AE33511	AE33512	AE33513	
Sample No:	32	33	34	METHOD BLANK	
Data Sampled:	11/18/96	11/18/96	11/18/96	11/18/96	
Data Extracted:	11/19/96	11/19/96	11/19/96	11/19/96	Detection Limit
Data Analyzed:	11/19/96	11/19/96	11/19/96	11/19/96	
TPH as Diesel or Heavy HCs	ND	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33510	AE33511	AE33512	AE33513
Surrogate Percent Recovery				
Chlorobenzene	101	97	97	100
	Spike %REC.	Spike DUP. %REC.	AVG. RPD	
Diesel	96	95	1	

ND - Not Detected at The Detection Limit

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2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-2200, Fax (818) 845-8840
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7374
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33510	AE33511	AE33512	AE33513	
Sample No:	32	33	34	METHOD BLANK	
Date Sampled:	11/18/96	11/18/96	11/18/96	11/18/96	
Date Extracted:	11/19/96	11/19/96	11/19/96	11/19/96	Detection
Date Analyzed:	11/19/96	11/19/96	11/19/96	11/19/96	Limit
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33510	AE33511	AE33512	AE33513
Surrogate Percent Recovery				
Chlorobenzene	84	92	91	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	100	97	2.2
Toluene	94	94	<1

ND - Not Detected at The Detection Limit

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American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8440
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7396
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33718	AE33719	AE33720	AE33721	
Sample No:	35	36	37	METHOD BLANK	
Date Sampled:	11/20/96	11/20/96	11/20/96	11/20/96	
Date Extracted:	11/20/96	11/20/96	11/20/96	11/20/96	Detection
Date Analyzed:	11/21/96	11/21/96	11/21/96	11/21/96	Limit
TPH as Diesel or Heavy HCs	ND	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33718	AE33719	AE33720	AE33721
Surrogate Percent Recovery Chlorobenzene	105	98	100	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	95	90	5.4

ND - Not Detected at The Detection Limit

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American Environmental Testing Laboratory Inc.
2834 Norm Noorni Street, Burbank, California 91504 Phone (818) 845-2200 Fax (818) 845-3840
DOHS 1541
LACSD 10161

ANALYTICAL RESULTS

AETL Job No: 7396
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33718	AE33719	AE33720	AE33721	
Sample No:	35	36	37	METHOD BLANK	
Date Sampled:	11/20/96	11/20/96	11/20/96	11/20/96	
Date Extracted:	11/20/96	11/20/96	11/20/96	11/20/96	Detection Limit
Date Analyzed:	11/20/96	11/20/96	11/20/96	11/20/96	
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33718	AE33719	AE33720	AE33721
Surrogate Percent Recovery				
Chlorobenzene	116	119	115	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	89	91	2.2
Toluene	87	90	3.4

ND - Not Detected at The Detection Limit

CONFIDENTIAL

INVOICE

INVOICE NO.: 0046360-IN

CUSTOMER NO.: WES ENV

A-C METER & EQUIPMENT INC.
1420 N. DALY STREET
ANAHEIM, CA 92806
PHONE (714) 991-3033

RECEIVED
NOV 25 1996

SOLD TO:

WESTERN ENVIR. CONTRACTING INC
1357 W. FOOTHILL BLVD.
AZUSA CA 91702

SHIP TO:

WESTERN ENVIR. CONTRACTING INC
1357 W. FOOTHILL BLVD.
AZUSA CA 91702

DATE	SHIP VIA	F.O.B.	TERMS
11/21/96	WILL CALL		C.O.D.

PURCHASE ORDER NUMBER	ORDER DATE	SALES PERSON	OUR ORDER NUMBER
VERB. KEVIN 96T04	11/21/96	LPG	0031294

QUANTITY ORDERED	QUANTITY SHIPPED	QUANTITY B.O.	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENDED PRI
1	1	0	710031202	REPAIR KIT BF-25	156.5375	156.54

11-21-96
Paid by Master Card
auth. # A021356
168.67
pc

	156.54
FREIGHT:	.00
SALES TAX:	12.13
INVOICE TOTAL:	168.67

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NATIONAL ENVIRONMENTAL PRINTING SERVICE

1451 Rimpau Avenue Ste. 102-107
Corona, California 91719
(909) 737-1666

November 27, 1996

SUBMITTED TO:
WESTERN ENVIRONMENTAL CONTRACTING
1357 W. FOOTHILL BLVD.
AZUSA, CALIFORNIA 91702
OFF: (818) 856-6156 FAX: (818) 334-5871

INVOICE: NETS7601

ATTN: Accounts Payable

DATE	PAGE	DUE DATE
11/27/96	1 OF 1	see below

DESCRIPTION OF WORK:

HAZARDOUS WASTE OPERATIONS TRAINING REFRESHER (8 HOUR COURSE).

STUDENTS:

KEVIN ARNOLD
SSAN: 558-81-1407

CONRADO GONZALES
SSAN: 566-67-2627

DONALD SHELTON
SSAN: 374-54-5979

JERARDO REYES
546-67-2627

INVOICE COST TOTAL: $600.00

ACCOUNT EXECUTIVE

PLEASE MAKE CHECKS PAYABLE TO:
C.E.R.A. & Associates Inc.
1451 Rimpau Avenue Ste. 102-107
CORONA, CA. 91719

AMOUNT PAID_____CHECK #_____

THANK YOU!

QUESTIONS: CALL (909) 737-1666 OR FAX (909) 737-5997

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OCT-15-1996 15:50 FROM AMERICAN ENVMNTL TESTG LAB TO

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American Environmental Testing Labora[illegible] Inc.

2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840 Certificate # 1541

AETL JOB# 7227 PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

TELEPHONE: (818) 656-6156

FAX: (516) 334-5871

CLIENT: ...tern Thermal Soils

ADDRESS: 1357 W. Foothill, Azuza

SITE: Magic Mountain, Valencia

CONTACT PERSON: Kevin Arnold (213) 719-2770

PROJECT NAME: Castaic Junction

PROJECT NUMBER: 96705

ANALYSIS REQUESTED: 4015 (diesel); 8020/8015 (gas)

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	4015 (diesel)	8020/8015 (gas)	REMARKS
#1	AC32715	10-14-96	7:55 Am	4 oz Glass	X					ICE	X	X	

CONFIDENTIAL

Collected By: Kevin Arnold Date 10-14-96 Time 7:55 Am

Relinquished By: Kevin Arnold Date 10-14-96 Time 7:55 Am

Delivered By: [signature] Date 10/14/96 Time 07[illegible]

Received For Laboratory: Joe Se[illegible] Date 10-14-96 Time 8:52 a

Turn Around Time ☐ Normal ☒ Rush 24 hr

AETL

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2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8440
Certificate # 1541

AETL JOB# 7055 PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

CLIENT: Western Thermal Sails
TELEPHONE:
FAX:
ADDRESS: 1357 W. Foothill Blvd, Azusa
SITE: Valencia
CONTACT PERSON: Kevin Arnold (213)719-2770
PROJECT NAME: Valencia
PROJECT NUMBER: 96T03

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	ANALYSIS REQUESTED: 8015 (Diesel)	8020 8015(gas)	REMARKS
2	AE32751	10-15-96	7:00 Am	4 oz/Glass	X						X	X	550°
3	AE32752	10-15-96	7:10 Am	"	X						X	X	600°
4	AE32753	10-15-96	7:20 Am	"	X						X	X	650°

CONFIDENTIAL

Collected By: Kevin Arnold Date 10-15-96 Time 7:30 Am
Relinquished By: Kevin Arnold Date 10-15-96 Time
Turn Around Time 24 hr. ☐ Normal ☒ Rush

Delivered By: Abm Gutierrez Date 10/15/96 Time 0900
Received For Laboratory: Joe Serrano Date 10/15/96 Time 0940

OCT-16-1996 14:44 FROM AMERICAN ENVIRONMENTAL TO 9

AETL

American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
Certificate # 1511

AETL JOB# 7249 PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

CLIENT: Western Thermal Soils
TELEPHONE: (818) 856-8156
FAX:
ADDRESS: 31357 W. Foothill Blvd.
SITE: Valencia
CONTACT PERSON: Kevin Arnold
PROJECT NAME: Valencia
PROJECT NUMBER: 96T04

ANALYSIS REQUESTED

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	8015 (gas) (diesel)	8020	REMARKS
#5	AE32813	10-17-96	7:30 Am	4 oz/Glass	X					ICE	X	X	500°

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Collected By: Kevin Arnold Date 10-17-96 Time 7:30 Am
Relinquished By: Kevin Arnold Date 10-17-96 Time
Turn Around Time 24 ☐ Normal ☒ Rush

Delivered By: [signature] Date 10/17/96 Time 0800
Received For Laboratory: Joe Sevedra Date 10/17/96 Time 0935

OCT-18-1996 14:22 FROM AMERICAN ENVMNTL TSTG LAB TO

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Certificate #1541

AETL JOB# 7263 PAGE ___ OF ___

CHAIN OF CUSTODY RECORD

CLIENT: WESTERN TERMO SOILS
TELEPHONE:
FAX:
ADDRESS: 1357 W. FOOT HILL, BLVD, AZUSA,
SITE: VALENCIA
CONTACT PERSON: KEVIN ARNOLD
PROJECT NAME:
PROJECT NUMBER: 96T05

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	ANALYSIS REQUESTED: 8015 (DIESEL)	8020, 8015 (BTEX)	REMARKS
#6	AE32881	10/21/96	0915	4oz JAR	X					ICE	X	X	

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Collected By: Gene Mellon Date 10/21/96 Time 0915
Relinquished By: Gene Mellon Date 10/21/96 Time 0920
Delivered By: [illegible] Date 10/21/96 Time 0920
Received For Laboratory: Joe Sevilla Date 10-21-96 Time 9:50

Turn Around Time ☐ Normal ☒ Rush 48 HR.

AETL ★★

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Certificate # 1541

AETL JOB# 7273 PAGE ___ OF ___

CHAIN OF CUSTODY RECORD

CLIENT: Western Terra Soils TELEPHONE:
FAX:
ADDRESS: 1357 W. Foothill, Azusa.
SITE: Valencia
CONTACT PERSON: PROJECT NAME: PROJECT NUMBER: 96T06

ANALYSIS REQUESTED

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	8015 Diesel	8020, 8015 Gas										REMARKS
#7	AE32925	10/23/96	10:00	4oz JAR	X					ICE	X	X										
	MB AE32925																					

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Collected By: Gene Mellema Date 10/23/96 Time 10:00
Delivered By: [signature] Date 10/23/96 Time 10:05
Relinquished By: Gene Mellema Date 10/23/96 Time 10:00
Received For Laboratory: Joe Secretary Date 10/23/96 Time 10:50
Turn Around Time ☐ Normal ☒ Rush 48 Hrs.

AMERICAN ENVIRONMENTAL TESTING LAB., INC.
2831 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
Certificate #1541

AETL JOB# [illegible] PAGE [illegible]

CHAIN OF CUSTODY RECORD

CLIENT: Western Thermal Soils TELEPHONE:

FAX:

ADDRESS: 1357 W Foothill, Azusa

SITE: Valencia

CONTACT PERSON: Kevin Arnold PROJECT NAME: Valencia PROJECT NUMBER: 96T04

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	ANALYSIS REQUESTED: 8015 (Gasoline & Diesel)	8020	REMARKS
14	AE33172	11-1-96	6 00 AM	4oz Glass	X					ICE	X	X	
15	AE33173	11-1-96	6 00 AM	"	X					"	X	X	
16	AE33174	11-1-96	7 00 AM	"	X					"	X	X	
17	AE33175	11-1-96	7 00 AM	"	X					"	X	X	
18	AE33176	11-1-96	7 00 AM	"	X					"	X	X	

CONFIDENTIAL

Collected By: Kevin Arnold Date 11-1-96 Time 7 00 AM

Relinquished By: Kevin Arnold Date 11-1-96 Time 0911

Delivered By: [signature] Date 11/6/96 Time 0915

Received For Laboratory: Joe Serrano Date 11-6-96 Time 10 05 AM

Turn Around Time ☐ Normal ☒ Rush 48 hr.

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Contractor #581

AETL JOB# 7329 PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

TELEPHONE: (818) 556-6156
FAX:

CLIENT: Westan thermal Soils
ADDRESS: 1357 W. Foothill Blvd, Azusa
SITE: Valencia
CONTACT PERSON: Kevin Arnold
PROJECT NAME: Valencia
PROJECT NUMBER: 96T04

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	ANALYSIS REQUESTED: 8015 Low level chlorinated	8021	REMARKS
19	AE33199	11-7-96	900 Am	40z/glass	X					ICE	X	X	
20	AE33200	"	"	"	X					"	X	X	
21	AE33201	"	"	"	X					"	X	X	
22	AE33202	"	"	"	X					"	X	X	
23	AE33203	"	"	"	X					"	X	X	

Collected By: Kevin Arnold Date 11-7-96 Time 900 Am
Relinquished By: Kevin Arnold Date 11-7-96 Time
Turn Around Time 48 hr. ☐ Normal ☒ Rush 48 HRS.

Delivered By: [signature] Date 11/7/96 Time 0915
Received For Laboratory: Joe Seveam Date 11/7/96 Time 0955

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2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8640
Certificate #1548

AETL JOB# 7344 PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

TELEPHONE: (805) 294-6156
FAX:

CLIENT: Western Thermal
ADDRESS: 1357 E. Foothill Azusa
SITE: Valencia
CONTACT PERSON: Kevin Arnold
PROJECT NAME: Valencia
PROJECT NUMBER: 96704

ANALYSIS REQUESTED (625 with Lyes list; 4020)

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.			REMARKS
6	AE 33280	11-11-96	6:00 Am	4 oz/glass	X					ICE	X	X	re-Sample #6
21	AE 33281	"	"	"	X					"	X	X	
25	AE 33282	"	"	"	X					"	X	X	
26	AE 33283	"	"	"	X					"	X	X	
27	AE 33284	"	"	"	X					"	X	X	
24	AE 33285	"	"	"	X					"	X	X	

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Collected By: Kevin Arnold Date 11-11-96 Time 6:00 Am
Relinquished By: Kevin Arnold Date 11-11-96 Time
Turn Around Time 48 hr. ☐ Normal ☒ Rush

Delivered By: [signature] Date 11/11/96 Time 11:10
Received For Laboratory: Joe Serrano Date 11/11/96 Time 1200

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Certificate # 1541

AETL JOB# 7361 PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

CLIENT: WESTERN THERMAL TELEPHONE:

ADDRESS: 1357 W. FOOTHILL AZUSA FAX:

SITE: VALENCIA

CONTACT PERSON: KEVIN ARNOLD PROJECT NAME: VALENCIA PROJECT NUMBER: 96T05

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	ANALYSIS REQUESTED: 8015/GAS, 8020		REMARKS
29	AE33424	11/14/96	1500	4oz JAR	X					ICE	X	X	
30	AE33425	↓	1500	↓	X					↓	X	X	
31	AE33426	↓	1500	↓	X					↓	X	X	

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TOTAL P.06

Collected By: [signature] Date 11/14/96 Time 15:10

Relinquished By: [signature] Date 11/14/96 Time 15:10

Delivered By: [signature] Date 11/14/96 Time 15:[illegible]

Received For Laboratory: Joe Serrano Date 11/14/96 Time 15:46

Turn Around Time ☐ Normal ☒ Rush 48 Hrs.

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American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
Certificate # 1641

AETL JOB# 7374 PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

CLIENT: Western Thermal Soils
TELEPHONE (916) 666-6156
FAX:
ADDRESS: 1357 W. Foothill Azusa
SITE: Valencia
CONTACT PERSON: Kevin Arnold
PROJECT NAME: Valencia
PROJECT NUMBER: 96704

ANALYSIS REQUESTED

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	8015 (Complex)	8020	REMARKS
32	AE33510	11-16-96	936 AM	402/Glass	X						X	X	
33	AE33511	"	"	"	X						X	X	
34	AE33512	"	"	"	X						X	X	

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Collected By: Kevin Arnold Date 11-16-96 Time 940 AM
Relinquished By: Kevin Arnold Date 11-16-96 Time 9 00 AM
Delivered By: Federal Express Date 11/18/96 Time 9:50 am.
Received For Laboratory Date Time
Turn Around Time 48 hr ☐ Normal ☒ Rush

NOV-20-1995 19:44 FROM AMERICAN ENVMNTL TSTG LAB TO 3345871 P.02

AETL ★★★

American Environmental Testing Laboratory, Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
Certificate # 1541

AETL JOB# 7396 PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

CLIENT: Western Thermal Soils
TELEPHONE (818) 845-8200
FAX:
ADDRESS: 1357 W. Foothill Blvd., Azusa
SITE: Valencia
CONTACT PERSON: Kevin Arnold
PROJECT NAME: Valencia
PROJECT NUMBER: 96T04

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	ANALYSIS REQUESTED: 6015 (Gas, diesel)	8020	REMARKS
35	AE33718	11-20-96	9:00 Am	4oz/Glass	X					ICE	X	X	
36	AE33719	"	"	"	X					"	X	X	
37	AE33720	"	"	"	X					"	X	X	
	MB AE33721												

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Collected By: Kevin Arnold Date 11-20-96 Time 9:00 Am
Relinquished By: Kevin Arnold Date 11-20-96 Time 10:05 Am
Turn Around Time 48 hr ☐ Normal ☒ Rush

Delivered By: Date 11/20/96 Time 10:05
Received For Laboratory Joe Serrean Date 11-20-96 Time 10:55 Am

AETL ★ ★

American Environmental Testing Labor y Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
Certificate # 1541

AETL JOB# 7277 PAG _ OF _

CHAIN OF CUSTODY RECORD

CLIENT: Western thermal Soils
TELEPHONE: (818) 856-6150
FAX:
ADDRESS: 13737 Foothill Blvd. Azusa
SITE: Valencia
CONTACT PERSON: Kevin Arnold
PROJECT NAME: Valencia
PROJECT NUMBER: 96T04

ANALYSIS REQUESTED: 8015 Modified, 8020

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.			REMARKS
6	AE32946	10-25-96	900 Am	4 oz glass	X					ICE	X	Y	

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Collected By: Kevin Arnold Date 10-25-96 Time 900 Am
Relinquished By: Kevin Arnold Date 10-25-96 Time 900 Am
Delivered By: [signature] Date 10/25/96 Time 09:0[illegible]
Received For Laboratory [signature] Date 10/25/96 Time 09:4[illegible]

Turn Around Time ☐ Normal ☒ Rush 48 hr

AETL

American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, F[illegible]8) 845-8840
[illegible]rtificate # 1541

AETL JOB# 7203 PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

CLIENT: Western Thermal Soils TELEPHONE:
FAX:
ADDRESS: 1357 W. Foothill, Azusa
SITE: Valencia
CONTACT PERSON: Kevin Arnold PROJECT NAME: Valencia PROJECT NUMBER: 96T04

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	8015 (Gas and Diesel)	8020	REMARKS
14	AE33172	11-1-96	6:00 Am	4oz Glass	X					ICE	X	X	
15	AE33173	11-1-96	6:00 Am	"	X					"	X	X	
16	AE33174	11-1-96	7:00 Am	"	X					"	X	X	
17	AE33175	11-1-96	7:00 Am	"	X					"	X	X	
18	AE33176	11-1-96	7:00 Am	"	X					"	X	X	

ANALYSIS REQUESTED

CONFIDENTIAL

Collected By: Kevin Arnold Date 11-1-96 Time 7:00 Am
Relinquished By: Kevin Arnold Date 11-1-96 Time 0910
Delivered By: [signature] Date 11/6/96 Time 0915
Received For Laboratory: Joe Serrano Date 11-6-96 Time 10:05 Am

Turn Around Time ☐ Normal ☒ Rush 48 hr.

AETL

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Certificate # 1541

AETL JOB# 1529 PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

TELEPHONE: (818) 856-6156
FAX:

CLIENT: Western thermal Soils
ADDRESS: 1357 W. Foothill Blvd, Azusa
SITE: Valencia
CONTACT PERSON: Kevin Arnold
PROJECT NAME: Valencia
PROJECT NUMBER: 96T04

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	ANALYSIS REQUESTED: 8015 (gas and diesel)	5020	REMARKS
19	AE33199	11-7-96	900 Am	402/glass	X					ICE	X	X	
20	AE33200	"	"	"	X					"	X	X	
21	AE33201	"	"	"	X					"	X	X	
22	AE33202	"	"	"	X					"	X	X	
23	AE33203	"	"	"	X					"	X	X	

CONFIDENTIAL

Collected By: Kevin Arnold Date 11-7-96 Time 900 Am
Relinquished By: Kevin Arnold Date 11-7-96 Time
Delivered By: [signature] Date 11/7/96 Time 04
Received For Laboratory: Joe Serrean Date 11/7/96 Time 09
Turn Around Time 48 hr. ☐ Normal ☒ Rush 48 HRS.

AETL

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Certificate #1541

CHAIN OF CUSTODY RECORD

CLIENT: Western Thermal
TELEPHONE: (714) 556-6156
FAX:
ADDRESS: 1357 W. Foothill Azusa
SITE: Valencia
CONTACT PERSON: Kevin Arnold
PROJECT NAME: Valencia
PROJECT NUMBER: 96704

ANALYSIS REQUES

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	8015 mod (gas & diesel)	8020	REMARKS
23	AE33280	11-11-96	600 Am	4 oz/glass	X					ICE	X	X	re-sample #6
24	AE33281	"	"	"	X					"	X	X	
25	AE33282	"	"	"	X					"	X	X	
26	AE33283	"	"	"	X					"	X	X	
27	AE33284	"	"	"	X					"	X	X	
28	AE33285	"	"	"	X					"	X	X	

CONFIDENTIAL

Collected By: Kevin Arnold Date 11-11-96 Time 600 Am
Relinquished By: Kevin Arnold Date 11-11-96 Time
Turn Around Time 48 hr. ☐ Normal ☒ Rush

Delivered By: [signature] Date 11/11/96 Time 1140
Received For Laboratory: Joe Serrean Date 11/11/96 Time 1200

AETL ★★★

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Certificate # 1541

AETL JOB# 7361 PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

CLIENT: WESTERN THERMAL
TELEPHONE:
FAX:
ADDRESS: 1357 W. FOOTHILL AZUSA
SITE: VALENCIA
CONTACT PERSON: KEVIN ARNOLD
PROJECT NAME: VALENCIA
PROJECT NUMBER: 96T05

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	ANALYSIS REQUESTED: 8015 (GAS)	8015	8270	REMARKS
29	AE33424	11/14/96	1500	40z JAR	X					ICE	X	X		
30	AE33425	↓	1500	↓	X					↓	X	X		
31	AE33426	↓	1500	↓	X					↓	X	X		

CONFIDENTIAL

Collected By: [signature] Date 11/14/96 Time 15:10
Relinquished By: [signature] Date 11/14/96 Time 15:10
Delivered By: [signature] Date 11/14/96 Time 15:1
Received For Laboratory: Joe Serrean Date 11/14/96 Time 15:4

Turn Around Time ☐ Normal ☒ Rush 48 Hrs.

AETL ★

American Environmental Testing Laboratory
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Cal-Lab # 1541

CHAIN OF CUSTODY RECORD

CLIENT: Weston Thermal Soils
TELEPHONE: (818) 566-6156
FAX:
ADDRESS: 1357 W. Foothill Azusa
SITE: Valencia
CONTACT PERSON: Kevin Arnold
PROJECT NAME: Valencia
PROJECT NUMBER: 96704

SAMPLE ID	LAB ID	DATE	TIME	CONTAINER SIZE/TYPE	SAMPLE TYPE: SOIL	WATER	SOLID WASTE	LIQUID WASTE	OTHER	PRES.	ANALYSIS REQUEST: 8015 (Gas/Purge)	8020	REMARKS
32	AE33510	11-16-96	936 AM	40z/Glass	X						X	X	
33	AE33511	"	"	"	X						X	X	
34	AE33512	"	"	"	X						X	X	

CONFIDENTIAL

Collected By: Kevin Arnold Date 11-16-96 Time 940 AM
Relinquished By: Kevin Arnold Date 11-16-96 Time 940 AM
Turn Around Time 48 hr ☐ Normal ☒ Rush

Delivered By: Date 11/18/96 Time 9:5
Received For Laboratory Date Time

AETL
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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7277
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE32946	AE32947	
Sample No:	8	METHOD BLANK	
Date Sampled:	10/25/96	10/25/96	
Date Extracted:	10/25/96	10/25/96	Detection Limit
Date Analyzed:	10/25/96	10/25/96	
TPH as Diesel or Heavy HCs	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE32946	AE32947	
Surrogate Percent Recovery			
Chlorobenzene	99	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	93	92	<1

ND - Not Detected at The Detection Limit

CONFIDENTIAL

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7277
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE32946	AE32947	
Sample No:	8	METHOD BLANK	
Date Sampled:	10/25/96	10/25/96	
Date Extracted:	10/25/96	10/25/96	Detection Limit
Date Analyzed:	10/25/96	10/25/96	
Benzene	ND	ND	5
Ethylbenzene	ND	ND	5
Toluene	ND	ND	5
Xylenes(Total)	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE32946	AE32947
Surrogate Percent Recovery		
Chlorobenzene	88	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	109	105	2.6
Toluene	99	104	3.5

ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7281
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE32966	AE32967	AE32968	AE32969	
Sample No:	9	10	11	12	
Date Sampled:	10/28/96	10/28/96	10/28/96	10/28/96	
Date Extracted:	10/28/96	10/28/96	10/28/96	10/28/96	Detection Limit
Date Analyzed:	10/29/96	10/29/96	10/29/96	10/29/96	
TPH as Diesel or Heavy HCs	ND	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE32966	AE32967	AE32968	AE32969
Surrogate Percent Recovery				
Chlorobenzene	112	97	106	99

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	95	96	<1

ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7281
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE32970	AE32971	
Sample No:	13	METHOD BLANK	
Date Sampled:	10/28/96	10/28/96	
Date Extracted:	10/28/96	10/28/96	Detection
Date Analyzed:	10/29/96	10/29/96	Limit
TPH as Diesel or Heavy HCs	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE32970	AE32971	
Surrogate Percent Recovery			
Chlorobenzene	102	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	95	96	<1

ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7281
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE32966	AE32967	AE32968	AE32969	
Sample No:	9	10	11	12	
Date Sampled:	10/28/96	10/28/96	10/28/96	10/28/96	
Date Extracted:	10/28/96	10/28/96	10/28/96	10/28/96	Detection Limit
Date Analyzed:	10/28/96	10/28/96	10/28/96	10/28/96	
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE32966	AE32967	AE32968	AE32969
Surrogate Percent Recovery				
Chlorobenzene	94	86	90	93

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	111	113	1.8
Toluene	103	106	2.9

ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7281
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE32970	AE32971	
Sample No:	13	METHOD BLANK	
Date Sampled:	10/28/96	10/28/96	
Date Extracted:	10/28/96	10/28/96	Detection Limit
Date Analyzed:	10/28/96	10/28/96	
Benzene	ND	ND	5
Ethylbenzene	ND	ND	5
Toluene	ND	ND	5
Xylenes(Total)	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE32970	AE32971	
Surrogate Percent Recovery			
Chlorobenzene	91	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	111	113	1.8
Toluene	103	106	2.9

ND - Not Detected at The Detection Limit

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2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200. Fax (818) 845-8840
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7323
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33172	AE33173	AE33174	AE33175	
Sample No:	14	15	16	17	
Date Sampled:	11/01/96	11/01/96	11/01/96	11/01/96	
Date Extracted:	11/06/96	11/06/96	11/06/96	11/06/96	Detection
Date Analyzed:	11/06/96	11/06/96	11/06/96	11/06/96	Limit
TPH as Diesel or Heavy HCs	ND	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33172	AE33173	AE33174	AE33175
Surrogate Percent Recovery				
Chlorobenzene	97	93	101	99

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	95	101	3.1

ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7323
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33176	AE33177	
Sample No:	18	METHOD BLANK	
Date Sampled:	11/01/96	11/01/96	
Date Extracted:	11/06/96	11/06/96	Detection Limit
Date Analyzed:	11/06/96	11/06/96	
TPH as Diesel or Heavy HCs	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33176	AE33177	
Surrogate Percent Recovery			
Chlorobenzene	102	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	95	101	3.1

ND - Not Detected at The Detection Limit

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2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7323
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33172	AE33173	AE33174	AE33175	
Sample No:	14	15	16	17	
Date Sampled:	11/01/96	11/01/96	11/01/96	11/01/96	
Date Extracted:	11/06/96	11/06/96	11/06/96	11/06/96	Detection Limit
Date Analyzed:	11/06/96	11/06/96	11/06/96	11/06/96	
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33172	AE33173	AE33174	AE33175
Surrogate Percent Recovery				
Chlorobenzene	98	103	93	91

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	83	82	<1
Toluene	83	83	<1

ND - Not Detected at The Detection Limit

CONFIDENTIAL

AETL

American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7323
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33176	AE33177	
Sample No:	18	METHOD BLANK	
Date Sampled:	11/01/96	11/01/96	
Date Extracted:	11/06/96	11/06/96	Detection Limit
Date Analyzed:	11/06/96	11/06/96	
Benzene	ND	ND	5
Ethylbenzene	ND	ND	5
Toluene	ND	ND	5
Xylenes(Total)	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33176	AE33177	
Surrogate Percent Recovery			
Chlorobenzene	91	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	83	82	<1
Toluene	83	83	<1

ND - Not Detected at The Detection Limit

CONFIDENTIAL

AETL

American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7329
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33199	AE33200	AE33201	AE33202	
Sample No:	19	20	21	22	
Date Sampled:	11/07/96	11/07/96	11/07/96	11/07/96	
Date Extracted:	11/07/96	11/07/96	11/07/96	11/07/96	**Detection Limit**
Date Analyzed:	11/07/96	11/07/96	11/07/96	11/07/96	
TPH as Diesel or Heavy HCs	ND	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33199	AE33200	AE33201	AE33202
Surrogate Percent Recovery				
Chlorobenzene	98	100	101	92

	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Diesel	92	96	4.3

ND - Not Detected at The Detection Limit

CONFIDENTIAL

AETL

American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7329
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33203	AE33204	
Sample No:	23	METHOD BLANK	
Date Sampled:	11/07/96	11/07/96	
Date Extracted:	11/07/96	11/07/96	**Detection Limit**
Date Analyzed:	11/07/96	11/07/96	
TPH as Diesel or Heavy HCs	10	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33203	AE33204	
Surrogate Percent Recovery			
Chlorobenzene	100	100	
	Spike %REC.	**Spike DUP. %REC.**	**AVG. RPD**
Diesel	92	96	4.3

ND - Not Detected at The Detection Limit

CONFIDENTIAL

AETL

American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7329
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33199	AE33200	AE33201	AE33202	
Sample No:	19	20	21	22	
Date Sampled:	11/07/96	11/07/96	11/07/96	11/07/96	
Date Extracted:	11/07/96	11/07/96	11/07/96	11/07/96	Detection Limit
Date Analyzed:	11/07/96	11/07/96	11/07/96	11/07/96	
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0(mg/kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33199	AE33200	AE33201	AE33202
Surrogate Percent Recovery				
Chlorobenzene	90	94	92	91

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	97	98	1
Toluene	91	89	2.2

ND - Not Detected at The Detection Limit

CONFIDENTIAL

AETL

American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7329
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33203	AE33204	
Sample No:	23	METHOD BLANK	
Date Sampled:	11/07/96	11/07/96	
Date Extracted:	11/07/96	11/07/96	Detection
Date Analyzed:	11/07/96	11/07/96	Limit
Benzene	ND	ND	5
Ethylbenzene	ND	ND	5
Toluene	ND	ND	5
Xylenes(Total)	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33203	AE33204	
Surrogate Percent Recovery			
Chlorobenzene	88	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	97	98	1
Toluene	91	89	2.2

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ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7344
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33280	AE33281	AE33282	AE33283	
Sample No:	6B	24	25	26	
Date Sampled:	11/11/96	11/11/96	11/11/96	11/11/96	
Date Extracted:	11/11/96	11/11/96	11/11/96	11/11/96	Detection Limit
Date Analyzed:	11/11/96	11/11/96	11/11/96	11/11/96	
TPH as Diesel or Heavy HCs	ND	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33280	AE33281	AE33282	AE33283
Surrogate Percent Recovery				
Chlorobenzene	92	92	90	92

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	87	92	5.6

ND - Not Detected at The Detection Limit

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ANALYTICAL RESULTS

AETL Job No: 7344
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33284	AE33285	AE33286	
Sample No:	27	28	METHOD BLANK	
Date Sampled:	11/11/96	11/11/96	11/11/96	
Date Extracted:	11/11/96	11/11/96	11/11/96	Detection
Date Analyzed:	11/11/96	11/11/96	11/11/96	Limit
TPH as Diesel or Heavy HCs	12	10	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33284	AE33285	AE33286
Surrogate Percent Recovery			
Chlorobenzene	92	90	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	87	92	5.6

ND - Not Detected at The Detection Limit

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ANALYTICAL RESULTS

AETL Job No: 7344
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33280	AE33281	AE33282	AE33283	
Sample No:	6B	24	25	26	
Date Sampled:	11/11/96	11/11/96	11/11/96	11/11/96	
Date Extracted:	11/11/96	11/11/96	11/11/96	11/11/96	Detection Limit
Date Analyzed:	11/11/96	11/11/96	11/11/96	11/11/96	
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33280	AE33281	AE33282	AE33283
Surrogate Percent Recovery				
Chlorobenzene	91	92	91	91

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	95	94	1.1
Toluene	89	88	1.1

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ND - Not Detected at The Detection Limit

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ANALYTICAL RESULTS

AETL Job No: 7344
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33284	AE33285	AE33286	
Sample No:	27	28	METHOD BLANK	
Date Sampled:	11/11/96	11/11/96	11/11/96	
Date Extracted:	11/11/96	11/11/96	11/11/96	Detection
Date Analyzed:	11/11/96	11/11/96	11/11/96	Limit
Benzene	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	5
Toluene	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33284	AE33285	AE33286
Surrogate Percent Recovery			
Chlorobenzene	92	94	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	95	94	1.1
Toluene	89	88	1.1

ND - Not Detected at The Detection Limit

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ANALYTICAL RESULTS

AETL Job No: 7361
Project ID: 96T05
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33424	AE33425	AE33426	AE33427	
Sample No:	29	30	31	METHOD BLANK	
Date Sampled:	11/14/96	11/14/96	11/14/96	11/14/96	
Date Extracted:	11/15/96	11/15/96	11/15/96	11/15/96	Detection
Date Analyzed:	11/16/96	11/16/96	11/16/96	11/16/96	Limit
TPH as Diesel or Heavy HCs	19	33	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33424	AE33425	AE33426	AE33427
Surrogate Percent Recovery				
Chlorobenzene	107	103	102	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	95	96	1

ND - Not Detected at The Detection Limit

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ANALYTICAL RESULTS

AETL Job No: 7361
Project ID: 96T05
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33424	AE33425	AE33426	AE33427	
Sample No:	29	30	31	METHOD BLANK	
Date Sampled:	11/14/96	11/14/96	11/14/96	11/14/96	
Date Extracted:	11/15/96	11/15/96	11/15/96	11/15/96	Detection
Date Analyzed:	11/15/96	11/15/96	11/15/96	11/15/96	Limit
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0(mg/Kg

QUALITY CONTROL SUMMARY

Lab ID:	AE33424	AE33425	AE33426	AE33427
Surrogate Percent Recovery				
Chlorobenzene	101	96	108	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	87	88	1.1
Toluene	87	86	1.1

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ANALYTICAL RESULTS

AETL Job No: 7374
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33510	AE33511	AE33512	AE33513	
Sample No:	32	33	34	METHOD BLANK	
Date Sampled:	11/18/96	11/18/96	11/18/96	11/18/96	
Date Extracted:	11/19/96	11/19/96	11/19/96	11/19/96	Detection Limit
Date Analyzed:	11/19/96	11/19/96	11/19/96	11/19/96	
TPH as Diesel or Heavy HCs	ND	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33510	AE33511	AE33512	AE33513
Surrogate Percent Recovery				
Chlorobenzene	101	97	97	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	96	95	1

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ANALYTICAL RESULTS

AETL Job No: 7374
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33510	AE33511	AE33512	AE33513	
Sample No:	32	33	34	METHOD BLANK	
Date Sampled:	11/18/96	11/18/96	11/18/96	11/18/96	
Date Extracted:	11/19/96	11/19/96	11/19/96	11/19/96	Detection
Date Analyzed:	11/19/96	11/19/96	11/19/96	11/19/96	Limit
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33510	AE33511	AE33512	AE33513
Surrogate Percent Recovery				
Chlorobenzene	84	92	91	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	100	97	2.2
Toluene	94	94	<1

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ANALYTICAL RESULTS

AETL Job No: 7396
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33718	AE33719	AE33720	AE33721	
Sample No:	35	36	37	METHOD BLANK	
Date Sampled:	11/20/96	11/20/96	11/20/96	11/20/96	
Date Extracted:	11/20/96	11/20/96	11/20/96	11/20/96	Detection Limit
Date Analyzed:	11/21/96	11/21/96	11/21/96	11/21/96	
TPH as Diesel or Heavy HCs	ND	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33718	AE33719	AE33720	AE33721
Surrogate Percent Recovery				
Chlorobenzene	105	98	100	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	95	90	5.4

ND - Not Detected at The Detection Limit

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ANALYTICAL RESULTS

AETL Job No: 7396
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33718	AE33719	AE33720	AE33721	
Sample No:	35	36	37	METHOD BLANK	
Date Sampled:	11/20/96	11/20/96	11/20/96	11/20/96	
Date Extracted:	11/20/96	11/20/96	11/20/96	11/20/96	Detection Limit
Date Analyzed:	11/20/96	11/20/96	11/20/96	11/20/96	
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33718	AE33719	AE33720	AE33721
Surrogate Percent Recovery				
Chlorobenzene	116	119	115	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	89	91	2.2
Toluene	87	90	3.4

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ND - Not Detected at The Detection Limit

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LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7227
Project ID: 96T03
Project Name: Castic Junction

Site: Magic Mountain, Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Phone: 818/856-6156

Attn: Kevin Arnold

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE32715	AE32716	
Sample No:	#1	METHOD BLANK	
Date Sampled:	10/14/96	10/14/96	
Date Extracted:	10/14/96	10/14/96	
Date Analyzed:	10/14/96	10/14/96	Detection Limit
TPH as Diesel or Heavy HCs	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE32715	AE32716	
Surrogate Percent Recovery			
Chlorobenzene	94	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	94	91	2.3

ND - Not Detected at The Detection Limit

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ANALYTICAL RESULTS

AETL Job No: 7227
Project ID: 96T03
Project Name: Castic Junction

Site: Magic Mountain, Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Phone: 818/856-6156

Attn: Kevin Arnold

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE32715	AE32716	
Sample No:	#1	METHOD BLANK	
Date Sampled:	10/14/96	10/14/96	
Date Extracted:	10/14/96	10/14/96	
Date Analyzed:	10/14/96	10/14/96	Detection Limit
Benzene	ND	ND	5
Ethylbenzene	ND	ND	5
Toluene	ND	ND	5
Xylenes(Total)	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE32715	AE32716	
Surrogate Percent Recovery			
Chlorobenzene	93	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	94	86	6.3
Toluene	97	95	1.4

ND - Not Detected at The Detection Limit

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LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7235
Project ID: 96T03
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE32751	AE32752	AE32753	AE32754	
Sample No:	2	3	4	METHOD BLANK	
Date Sampled:	10/15/96	10/15/96	10/15/96	10/15/96	
Date Extracted:	10/16/96	10/16/96	10/16/96	10/16/96	Detection Limit
Date Analyzed:	10/16/96	10/16/96	10/16/96	10/16/96	
TPH as Diesel or Heavy HCs	12	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE32751	AE32752	AE32753	AE32754
Surrogate Percent Recovery				
Chlorobenzene	102	96	101	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	0	0	<1

ND - Not Detected at The Detection Limit

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ANALYTICAL RESULTS

AETL Job No: 7249
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE32813	AE32814	
Sample No:	#5	METHOD BLANK	
Date Sampled:	10/17/96	10/17/96	
Date Extracted:	10/17/96	10/17/96	Detection Limit
Date Analyzed:	10/17/96	10/17/96	
TPH as Diesel or Heavy HCs	22	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE32813	AE32814	
Surrogate Percent Recovery			
Chlorobenzene	90	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	110	105	3.3

ND - Not Detected at The Detection Limit

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ANALYTICAL RESULTS

AETL Job No: 7249
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site: Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE32813	AE32814	
Sample No:	#5	METHOD BLANK	
Date Sampled:	10/17/96	10/17/96	
Date Extracted:	10/17/96	10/17/96	
Date Analyzed:	10/17/96	10/17/96	Detection Limit
Benzene	ND	ND	5
Ethylbenzene	ND	ND	5
Toluene	ND	ND	5
Xylenes(Total)	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE32813	AE32814	
Surrogate Percent Recovery			
Chlorobenzene	89	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	106	108	1.2
Toluene	105	103	1.4

ND - Not Detected at The Detection Limit

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ANALYTICAL RESULTS

AETL Job No: 7263
Project ID: 96T05

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE32881	AE32882	
Sample No:	#6	METHOD BLANK	
Date Sampled:	10/21/96	10/21/96	
Date Extracted:	10/22/96	10/22/96	Detection
Date Analyzed:	10/22/96	10/22/96	Limit
TPH as Diesel or Heavy HCs	10	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE32881	AE32882	
Surrogate Percent Recovery			
Chlorobenzene	97	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	92	98	4.5

ND - Not Detected at The Detection Limit

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LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7263
Project ID: 96T05

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE32881	AE32882	
Sample No:	#6	METHOD BLANK	
Date Sampled:	10/21/96	10/21/96	
Date Extracted:	10/22/96	10/22/96	Detection
Date Analyzed:	10/22/96	10/22/96	Limit
Benzene	9	ND	5
Ethylbenzene	5	ND	5
Toluene	14	ND	5
Xylenes(Total)	21	ND	10
TPH as Gasoline or Light HCs	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE32881	AE32882	
Surrogate Percent Recovery			
Chlorobenzene	105	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	114	116	1.2
Toluene	102	103	<1

ND - Not Detected at The Detection Limit

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LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7273
Project ID: 96T06

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE32925	AE32926	
Sample No:	#7	METHOD BLANK	
Date Sampled:	10/23/96	10/23/96	
Date Extracted:	10/23/96	10/23/96	Detection
Date Analyzed:	10/23/96	10/23/96	Limit
TPH as Diesel or Heavy HCs	34	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE32925	AE32926	
Surrogate Percent Recovery			
Chlorobenzene	100	100	
	Spike %REC.	Spike DUP. %REC.	Avg. RPD
Diesel	109	113	2.5

Comment to Sample(s)
AE32925: Mixture of unknown hydrocarbons.

ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7273
Project ID: 96T06

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE32925	AE32926	
Sample No:	#7	METHOD BLANK	
Date Sampled:	10/23/96	10/23/96	
Date Extracted:	10/23/96	10/23/96	Detection
Date Analyzed:	10/23/96	10/23/96	Limit
Benzene	ND	ND	5
Ethylbenzene	ND	ND	5
Toluene	ND	ND	5
Xylenes(Total)	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE32925	AE32926	
Surrogate Percent Recovery			
Chlorobenzene	98	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	109	114	3.2
Toluene	103	106	2

ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7281
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE32966	AE32967	AE32968	AE32969	
Sample No:	9	10	11	12	
Date Sampled:	10/28/96	10/28/96	10/28/96	10/28/96	
Date Extracted:	10/28/96	10/28/96	10/28/96	10/28/96	Detection Limit
Date Analyzed:	10/29/96	10/29/96	10/29/96	10/29/96	
TPH as Diesel or Heavy HCs	ND	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE32966	AE32967	AE32968	AE32969
Surrogate Percent Recovery				
Chlorobenzene	112	97	106	99

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	95	96	<1

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ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7281
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE32966	AE32967	AE32968	AE32969	
Sample No:	9	10	11	12	
Date Sampled:	10/28/96	10/28/96	10/28/96	10/28/96	
Date Extracted:	10/28/96	10/28/96	10/28/96	10/28/96	Detection
Date Analyzed:	10/28/96	10/28/96	10/28/96	10/28/96	Limit
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0 (mg/Kg

QUALITY CONTROL SUMMARY

Lab ID:	AE32966	AE32967	AE32968	AE32969
Surrogate Percent Recovery				
Chlorobenzene	94	86	90	93

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	111	113	1.8
Toluene	103	106	2.9

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ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7281
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE32970	AE32971	
Sample No:	13	METHOD BLANK	
Date Sampled:	10/28/96	10/28/96	
Date Extracted:	10/28/96	10/28/96	Detection Limit
Date Analyzed:	10/29/96	10/29/96	
TPH as Diesel or Heavy HCs	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE32970	AE32971	
Surrogate Percent Recovery			
Chlorobenzene	102	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	95	96	<1

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ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7281
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE32970	AE32971	
Sample No:	13	METHOD BLANK	
Date Sampled:	10/28/96	10/28/96	
Date Extracted:	10/28/96	10/28/96	Detection
Date Analyzed:	10/28/96	10/28/96	Limit
Benzene	ND	ND	5
Ethylbenzene	ND	ND	5
Toluene	ND	ND	5
Xylenes(Total)	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE32970	AE32971	
Surrogate Percent Recovery			
Chlorobenzene	91	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	111	113	1.8
Toluene	103	106	2.9

ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7323
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33172	AE33173	AE33174	AE33175	
Sample No:	14	15	16	17	
Date Sampled:	11/01/96	11/01/96	11/01/96	11/01/96	
Date Extracted:	11/06/96	11/06/96	11/06/96	11/06/96	Detection
Date Analyzed:	11/06/96	11/06/96	11/06/96	11/06/96	Limit
TPH as Diesel or Heavy HCs	ND	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33172	AE33173	AE33174	AE33175
Surrogate Percent Recovery				
Chlorobenzene	97	93	101	99

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	95	101	3.1

ND - Not Detected at The Detection Limit

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2804 North Naomi Street, Burbank, California 91504 Phone (818) 843-6200, Fax (818) 846-8940
COHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7323
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33172	AE33173	AE33174	AE33175	
Sample No:	14	15	16	17	
Date Sampled:	11/01/96	11/01/96	11/01/96	11/01/96	
Date Extracted:	11/06/96	11/06/96	11/06/96	11/06/96	Detection Limit
Date Analyzed:	11/06/96	11/06/96	11/06/96	11/06/96	
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33172	AE33173	AE33174	AE33175
Surrogate Percent Recovery				
Chlorobenzene	98	103	93	91

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	83	82	<1
Toluene	83	83	<1

ND - Not Detected at The Detection Limit

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American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200. Fax (818) 845-8440
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7323
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33176	AE33177	
Sample No:	18	METHOD BLANK	
Date Sampled:	11/01/96	11/01/96	
Date Extracted:	11/06/96	11/06/96	
Date Analyzed:	11/06/96	11/06/96	Detection Limit
TPH as Diesel or Heavy HCs	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33176	AE33177	
Surrogate Percent Recovery			
Chlorobenzene	102	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	95	101	3.1

ND - Not Detected at The Detection Limit

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American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200 Fax (818) 845-8640
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7323
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33176	AE33177	
Sample NO:	18	METHOD BLANK	
Date Sampled:	11/01/96	11/01/96	
Date Extracted:	11/06/96	11/06/96	Detection Limit
Date Analyzed:	11/06/96	11/06/96	
Benzene	ND	ND	5
Ethylbenzene	ND	ND	5
Toluene	ND	ND	5
Xylenes(Total)	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33176	AE33177	
Surrogate Percent Recovery			
Chlorobenzene	91	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	83	82	<1
Toluene	83	83	<1

ND - Not Detected at The Detection Limit

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American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8840
DOHS 1541
LACSD 10191

ANALYTICAL RESULTS

AETL Job No: 7329
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33199	AE33200	AE33201	AE33202	
Sample No:	19	20	21	22	
Date Sampled:	11/07/96	11/07/96	11/07/96	11/07/96	
Date Extracted:	11/07/96	11/07/96	11/07/96	11/07/96	Detection Limit
Date Analyzed:	11/07/96	11/07/96	11/07/96	11/07/96	
TPH as Diesel or Heavy HCs	ND	ND	ND	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33199	AE33200	AE33201	AE33202
Surrogate Percent Recovery				
Chlorobenzene	98	100	101	92

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	92	96	4.3

ND - Not Detected at The Detection Limit

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AETL
American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-8640
DOHS 1541
LACSD 10161

ANALYTICAL RESULTS

AETL Job No: 7329
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33199	AE33200	AE33201	AE33202	
Sample No:	19	20	21	22	
Date Sampled:	11/07/96	11/07/96	11/07/96	11/07/96	
Date Extracted:	11/07/96	11/07/96	11/07/96	11/07/96	Detection Limit
Date Analyzed:	11/07/96	11/07/96	11/07/96	11/07/96	
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes(Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33199	AE33200	AE33201	AE33202
Surrogate Percent Recovery				
Chlorobenzene	90	94	92	91

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	97	98	1
Toluene	91	89	2.2

ND - Not Detected at The Detection Limit

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DOHS 1541
LAC80 10101

ANALYTICAL RESULTS

AETL Job No: 7329
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015M(DHS-LUFT)
TPH as Diesel or Heavy Hydrocarbons
Units: mg/kg (ppm)

Lab ID:	AE33203	AE33204	
Sample No:	23	METHOD BLANK	
Date Sampled:	11/07/96	11/07/96	
Date Extracted:	11/07/96	11/07/96	Detection Limit
Date Analyzed:	11/07/96	11/07/96	
TPH as Diesel or Heavy HCs	10	ND	10

QUALITY CONTROL SUMMARY

Lab ID:	AE33203	AE33204	
Surrogate Percent Recovery			
Chlorobenzene	100	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Diesel	92	96	4.3

ND - Not Detected at The Detection Limit

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AETL

American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504 Phone (818) 845-8200, Fax (818) 845-3840
DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7329
Project ID: 96T04
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33203	AE33204	
Sample No:	23	METHOD BLANK	
Date Sampled:	11/07/96	11/07/96	
Date Extracted:	11/07/96	11/07/96	Detection
Date Analyzed:	11/07/96	11/07/96	Limit
Benzene	ND	ND	5
Ethylbenzene	ND	ND	5
Toluene	ND	ND	5
Xylenes(Total)	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	1.0(mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33203	AE33204	
Surrogate Percent Recovery			
Chlorobenzene	88	100	
	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	97	98	1
Toluene	91	89	2.2

ND - Not Detected at The Detection Limit

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DOHS 1541
LACSD 10181

ANALYTICAL RESULTS

AETL Job No: 7361
Project ID: 96T05
Project Name: Valencia

Report To: (W/T)
Western Thermal Soils Co.
1357 W. Foothill Blvd.
Azusa, CA 91702

Site:
Valencia

Attn: Kevin Arnold

Phone: 818/856-6156

Matrix: Soil
Method: 8015MOD/8020
TPH as Gasoline and BTXE
Units: ug/kg

Lab ID:	AE33424	AE33425	AE33426	AE33427	
Sample No:	29	30	31	METHOD BLANK	
Date Sampled:	11/14/96	11/14/96	11/14/96	11/14/96	
Date Extracted:	11/15/96	11/15/96	11/15/96	11/15/96	Detection
Date Analyzed:	11/15/96	11/15/96	11/15/96	11/15/96	Limit
Benzene	ND	ND	ND	ND	5
Ethylbenzene	ND	ND	ND	ND	5
Toluene	ND	ND	ND	ND	5
Xylenes (Total)	ND	ND	ND	ND	10
TPH as Gasoline or Light HCs	ND	ND	ND	ND	1.0 (mg/Kg)

QUALITY CONTROL SUMMARY

Lab ID:	AE33424	AE33425	AE33426	AE33427
Surrogate Percent Recovery				
Chlorobenzene	101	96	108	100

	Spike %REC.	Spike DUP. %REC.	AVG. RPD
Benzene	87	88	1.1
Toluene	87	86	1.1

ND - Not Detected at The Detection Limit

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Del Mar Analytical

2852 Alton Ave., Irvine, CA 92714 (714) 261-1022 FAX (714) 261-12
1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-10
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-18
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-13

Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: #60487

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FJ02198

Sampled: Oct 15, 6
Received: Oct 16, 1996
Extracted: Oct 16, 1996
Analyzed: Oct 16, 1996
Reported: Oct 17, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FJ02198	THERM 101596	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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Del Mar Analytical

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1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 37
16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 77
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 96

Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: #60487

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ02198

Sampled: Oct 15, 19
Received: Oct 16, 19
Extracted: Oct 16, 19
Analyzed: Oct 16, 19
Reported: Oct 17, 19

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ02198	THERM 101596	23	C8 - C12	11
			C13 - C23	59
			C24 - C40	30
	Total Hydrocarbons	**23**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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16525 Sherman Way, Suite C-11, Van Nuys, CA 91406 (818) 779-1844 FAX (818) 779-18
2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-13

Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Oct 16, 96
Analyzed: Oct 16, 1996
Reported: Oct 17, 1996
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-133

Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Oct 16, 1996
Analyzed: Oct 16, 1996
Reported: Oct 17, 1996
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C12	N.A.
		C13 - C23	N.A.
		C24 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 10/16/96

Sample #: FJ02179

Batch #: FJ16151S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.024	1.1	1.2	1.2	110	109	0.14	109	≤10	80 - 115
Benzene	0	0.10	0.099	0.099	99	99	0.27	99	≤12	82 - 115
Toluene	0	0.10	0.10	0.10	100	100	0.24	100	≤11	83 - 115
Ethylbenzene	0	0.10	0.10	0.10	101	100	0.87	101	≤11	85 - 115
Xylenes	0	0.30	0.31	0.30	102	102	0.40	102	≤11	86 - 116

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 10/16/96

SAMPLE #: FJ02198

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	23	50	57	63	68%	80%	10.0%	74%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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2465 W 12th St., Suite 1, Tempe, AZ 85281 (602) 968 8272 FAX (602) 968 1338

CHAIN OF CUSTODY FORM

Client Name/Address:
Exxon Co USA
PO Box 1600 Midland TX 79702

Project/PO Number:
60487
Attn Phil Marquez

Project Manager/Phone Number:
Mark Bolton 310-490-1575 (P)

Sampler:
Mark Bolton

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	Analysis Required: 8020	Analysis Required: 8015 — C4-C12 C12-C23 C23+	Special Instructions
THERM 101596	Soil	JAR	1	2:27p 10-15-96		X	X	

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Relinquished By: Mark Bolton Date /Time: 10-15-96 3:31
Received by: [signature] Date /Time: 10.15.96 351

Relinquished By: [signature] Date /Time: 10/15/96
Received by: FedX Date /Time: 10/15/96

Relinquished By: FED EX Date /Time: 10/16/96 9:00
Received in Lab by: [signature] Date /Time: 10/16/96 9:00

Turnaround Time: (check)
same day ____ 72 hours ____
24 hours X 5 days ____
48 hours ____ normal ____

Sample Integrity: (Check)
intact ✓ on ice ✓

Note: Sample(s) w[illegible] disposed of after 30 days

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FJ02836

Sampled: Oct 17, 199
Received: Oct 19, 199
Extracted: Oct 21, 199
Analyzed: Oct 21, 199
Reported: Oct 21, 199

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FJ02836	TDU 1017	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FJ02837

Sampled: Oct 18, 6
Received: Oct 19, 1996
Extracted: Oct 21, 1996
Analyzed: Oct 21, 1996
Reported: Oct 21, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FJ02837	TDU 1018	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ02836

Sampled: Oct 17, 1996
Received: Oct 19, 1996
Extracted: Oct 21, 1996
Analyzed: Oct 21, 1996
Reported: Oct 21, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ02836	TDU 1017	27	C8 - C12	43
			C13 - C23	43
			C24 - C40	14
	Total Hydrocarbons	**27**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ02837

Sampled: Oct 18, [illegible]
Received: Oct 19, [illegible]
Extracted: Oct 21, 1996
Analyzed: Oct 21, 1996
Reported: Oct 21, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ02837	TDU 1018	33	C8 - C12	40
			C13 - C23	46
			C24 - C40	14
	Total Hydrocarbons	**33**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Oct 21, 199
Analyzed: Oct 21, 199
Reported: Oct 21, 199
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

xxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Oct 21, 1
Analyzed: Oct 21, 1996
Reported: Oct 21, 1996
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C12	N.A.
	N.D.	C13 - C23	N.A.
	N.D.	C24 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 10/21/96

SAMPLE #: FJ02678

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	2.5	50	43	42	81%	79%	2.4%	80%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 10/21/96

Sample #: FJ02679

Batch #: FJ21181S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.033	1.1	1.3	1.3	115	112	2.2	114	≤10	73 - 125
Benzene	0.00011	0.10	0.097	0.096	97	96	0.61	97	≤15	81 - 129
Toluene	0	0.10	0.096	0.095	96	95	0.86	96	≤6.0	84 - 122
Ethylbenzene	0	0.10	0.10	0.10	102	100	1.5	101	≤6.8	87 - 125
Xylenes	0.00013	0.30	0.31	0.30	103	101	1.5	102	≤4.8	89 - 127

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 10/18/96

PAGE: 1 OF 1

(F) 915-688-6199

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Phil Marquez 915-688-6428

ADDRESS: PO Box 1600 Midland TX 79702

PROJECT CONTACT: Mark Bolton

PHONE NO: (P) 30-490 1575

CONSULTANT PROJECT NO:

CONSULTANT WORK RELEASE NO:

EXXON RAS NO:

EXXON SITE LOCATION:

EXXON ENGINEER:

LABORATORY WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Mark Bolton

SAMPLER'S SIGNATURE:

SHIPMENT METHOD:

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SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015G/8020	TPH/GAS - 8015M	C8-C11, C9-C22 VFH/DIESEL - 8015 C23-C40	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504
TDU 1017	10-17-96	3:10	Soil	Yes	1	X	X	X						
TDU 1018	10-18-96	2:42	Soil	Yes	1	X	X	X						

REMARKS:

LACDPW FORMAT:

YES ___ NO ___

TURNAROUND TIME:

24 HR ✓

48 HR ___

72 HR ___

96 HR ___

5 DAYS ___

10 DAYS ___

RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
Mark Bolton	10/18/96 4:00pm	Ronnie Kelly	10/18/96 4:00P
Ronnie Kelly	10/18/96	Fed Ex	10/18/96

E INTEGRITY:

INTACT ✓

Del Mar Analytical

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Mark Bolton

Client Project ID: #60487
Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FJ03742

Sampled: Oct 19, 199
Received: Oct 25, 199
Extracted: Oct 28, 199
Analyzed: Oct 28, 199
Reported: Oct 29, 199

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FJ03742	TDU 1019	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Mark Bolton

Client Project ID: #60487
Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FJ03743

Sampled: Oct 22, 1996
Received: Oct 25, 1996
Extracted: Oct 28, 1996
Analyzed: Oct 28, 1996
Reported: Oct 29, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FJ03743	TDU 1022	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Mark Bolton

Client Project ID: #60487
Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FJ03744

Sampled: Oct 24, 6
Received: Oct 25, 1996
Extracted: Oct 28, 1996
Analyzed: Oct 28, 1996
Reported: Oct 29, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FJ03744	TDU 1024	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Mark Bolton

Client Project ID: #60487
Castaic Junction
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FJ03745

Sampled: Oct 25, 1996
Received: Oct 25, 1996
Extracted: Oct 28, 1996
Analyzed: Oct 28, 1996
Reported: Oct 29, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FJ03745	TDU 1025	N.D.	N.D.	N.D.	N.D.	N.D.

Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Mark Bolton

Client Project ID: #60487
Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ03742

Sampled: Oct 19, 199
Received: Oct 25, 199
Extracted: Oct 28, 199
Analyzed: Oct 28, 199
Reported: Oct 29, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ03742	TDU 1019	10	C8 - C12	78
			C13 - C24	22
			C25 - C40	N.D.
	Total Hydrocarbons	**10**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Mark Bolton

Client Project ID: #60487
Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ03743

Sampled: Oct 22, 199
Received: Oct 25, 199
Extracted: Oct 28, 199
Analyzed: Oct 28, 199
Reported: Oct 29, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ03743	TDU 1022	110	C8 - C12	68
			C13 - C24	32
			C25 - C40	N.D.
	Total Hydrocarbons	**110**		

Detection Limit: **5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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P.O. Box 1600 ML-14
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Attention: Mark Bolton

Client Project ID: #60487
Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ03744

Sampled: Oct 24, 199
Received: Oct 25, 199
Extracted: Oct 28, 199
Analyzed: Oct 28, 199
Reported: Oct 29, 199

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ03744	TDU 1024	72	C8 - C12	74
			C13 - C24	26
			C25 - C40	N.D.
	Total Hydrocarbons	**72**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Mark Bolton

Client Project ID: #60487
Castaic Junction
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ03745

Sampled: Oct 25, 1996
Received: Oct 25, 1996
Extracted: Oct 28, 1996
Analyzed: Oct 28, 1996
Reported: Oct 29, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ03745	TDU 1025	34	C8 - C12	80
			C13 - C24	20
			C25 - C40	N.D.
	Total Hydrocarbons	**34**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 96[illegible]38

Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Mark Bolton

Method Blank

Extracted: Oct 28, 19[illegible]
Analyzed: Oct 28, 1996
Reported: Oct 29, 1996
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Mark Bolton

Method Blank

Extracted: Oct 28, 19
Analyzed: Oct 28, 19
Reported: Oct 29, 19
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C12	N.A.
	N.D.	C13 - C24	N.A.
	N.D.	C25 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 10/28/96

Sample #: FJ03531

Batch #: FJ28191S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.039	1.1	1.1	1.0	94	89	5.4	91	≤16	72 - 118
Benzene	0.0010	0.10	0.090	0.091	89	90	0.74	90	≤9.4	71 - 119
Toluene	0.00075	0.10	0.094	0.094	93	93	0.16	93	≤8.8	75 - 115
Ethylbenzene	0	0.10	0.094	0.094	94	94	0.52	94	≤8.6	78 - 120
Xylenes	0.00070	0.30	0.29	0.28	95	94	0.97	94	≤8.6	79 - 121

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-13

CORRECTIVE ACTION REPORT

Department:	Diesel	Method:	EPA mod. 8015 extractable
Date:	10/28/96	Matrix:	Soil

Identification and Definition of Problem:

The recoveries of extractable TPH for the Matrix Spike/Matrix Spike Duplicate (MS/MSD) were outside of acceptance limits.

Determination of the Cause of the Problem:

The spiked sample was not completely homogeneous. The TPH present in the sample made it difficult to accurately recover the TPH which was added to the sample for the MS/MSD analyses.

Corrective Action:

Since the Laboratory Control Sample (LCS) was within the acceptance limits, the analytical batch was validated and the results were reported. Since the cause of the problem was due to interferences within the sample, no further corrective action was taken.

Laboratory Manager Signature: Mark Weiner Date: 11/6/96

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

LABORATORY CONTROL SAMPLE

EPA METHOD: 8015 by extraction

DATE: 10/28/96 **SOURCE:** Restek

Analyte	St	R1	PR
	ppm	ppm	%
Extractable Hydrocarbons	50	39	78%

Definition of Terms:

St..... Standard Concentration

R1..... Standard Result

PR..... Percent Recovery of R1; (R1 / St) X 100

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 10/25/96

PAGE: 1 OF 1

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Phil Marquez (P) 925-688-6248 (F) 925688-6199

ADDRESS:

PROJECT CONTACT: Mark Bolton PHONE NO: (P) 310-490-1575

CONSULTANT PROJECT NO: 60487 CONSULTANT WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Mark Bolton SAMPLER'S SIGNATURE:

EXXON RAS NO:

EXXON SITE LOCATION:

EXXON ENGINEER:

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

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	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015 + C23+	EPA 8020/602	VOLATILE ORGANICS (8250/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504			
✓	TDU 1019	10/19/96	12:52	Soil	C	1	C	✓		X								
✓	TDU 1022	10/22/96	11:09	"	C	1	X	X	X	X								
✓	TDU 1024	10/24/96	7:04	"	C	1	X	X	X	X								
✓	TDU 1025	10/25/96	12:41	"	C	1	X	X	X	X								

REMARKS:

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:

24 HR ___

48 HR ✓

72 HR ___

96 HR ___

5 DAYS ___

10 DAYS ___

RELINQUISHED BY: Mark Bolton DATE/TIME: 10-25-96/1:40 PM

RECEIVED BY: DATE/TIME: 10/25/96 140

RELINQUISHED BY: DATE/TIME:

RECEIVED BY: K. Ho DATE/TIME: 6/25 5:15 pm

E INTEGRITY:

INTACT ✓

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FJ04442

Sampled: Oct 28, 96
Received: Oct 31, 1996
Extracted: Oct 31, 1996
Analyzed: Oct 31, 1996
Reported: Nov 4, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FJ04442	TDU 1028	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FJ04443

Sampled: Oct 26, 199
Received: Oct 31, 199
Extracted: Oct 31, 199
Analyzed: Oct 31, 199
Reported: Nov 4, 199

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FJ04443	TDU 1026	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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P.O. Box 1600 ML-14
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Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FJ04444

Sampled: Oct 25, 1996
Received: Oct 31, 1996
Extracted: Oct 31, 1996
Analyzed: Oct 31, 1996
Reported: Nov 4, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FJ04444	N1122-CL	N.D.	N.D.	N.D.	N.D.	N.D.
FJ04445	N1122-SND	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Project Manager

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FJ04446

Sampled: Oct 29, 1996
Received: Oct 31, 1996
Extracted: Oct 31, 1996
Analyzed: Oct 31, 1996
Reported: Nov 4, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FJ04446	TDU 1029	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ04442

Sampled: Oct 28, 199
Received: Oct 31, 1996
Extracted: Nov 1, 1996
Analyzed: Nov 3, 1996
Reported: Nov 4, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ04442	TDU 1028	18	C8 - C12	63
		7.6	C13 - C22	27
		2.7	C23 - C40	9.8
	Total Hydrocarbons	**28**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ04443

Sampled: Oct 26, 1996
Received: Oct 31, 1996
Extracted: Nov 1, 1996
Analyzed: Nov 4, 1996
Reported: Nov 4, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ04443	TDU 1026	20	C8 - C12	56
		12	C13 - C22	34
		3.6	C23 - C40	10
	Total Hydrocarbons	**36**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ04444

Sampled: Oct 25, 1996
Received: Oct 31, 1996
Extracted: Nov 1, 1996
Analyzed: Nov 4, 1996
Reported: Nov 4, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ04444	N1122-CL	0.38	C8 - C12	2.5
		2.6	C13 - C22	17
		12	C23 - C40	80
	Total Hydrocarbons	**15**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ04445

Sampled: Oct 25, 1996
Received: Oct 31, 1996
Extracted: Nov 1, 1996
Analyzed: Nov 4, 1996
Reported: Nov 4, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ04445	N1122-SND	N.D.	C8 - C12	N.A.
		N.D.	C13 - C22	N.A.
		N.D.	C23 - C40	N.A.
	Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FJ04446

Sampled: Oct 29, 19
Received: Oct 31, 19
Extracted: Nov 1, 1996
Analyzed: Nov 4, 1996
Reported: Nov 4, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FJ04446	TDU 1029	24	C8 - C12	65
		11	C13 - C22	29
		2.2	C23 - C40	6.0
	Total Hydrocarbons	**37**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Oct 31, 1996
Analyzed: Oct 31, 1996
Reported: Nov 4, 1996
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Nov 1, 19
Analyzed: Nov 3-4, 1996
Reported: Nov 4, 1996
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C12	N.A.
	N.D.	C13 - C22	N.A.
	N.D.	C23 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 10/31/96

Sample #: FJ04445

Batch #: FJ31191S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.021	1.1	1.2	1.1	110	97	12	103	≤16	72 - 118
Benzene	0.00041	0.10	0.099	0.10	98	104	5.8	101	≤10	71 - 119
Toluene	0	0.10	0.097	0.10	97	101	4.0	99	≤10	75 - 115
Ethylbenzene	0	0.10	0.11	0.11	105	108	2.7	107	≤10	78 - 120
Xylenes	0	0.30	0.32	0.32	106	108	2.1	107	≤10	79 - 121

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 11/2/96

SAMPLE #: FJ03418

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	0.79	50	34	35	66%	68%	2.9%	67%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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Fax: (915) 688 6199

EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 10/30/96

PAGE: 1 OF 1

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Phil Marquez 915-688-6248

ADDRESS: P.O. Box 1600 ML-14 Midland Tx 79707

PROJECT CONTACT: Mark Bolton (P) PHONE NO: 316-490-1575

CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Mark Bolton SAMPLER'S SIGNATURE: Mark Bolton

EXXON RAS NO:

EXXON SITE LOCATION: CASTHIC

EXXON ENGINEER:

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015G/8020	TPH/GAS - 8015M	VPH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504
TBH 1028	10/28/96	1:59pm	Soil		1	X		X						
TDA 1026	10/26/96	8:25am	Soil		1	X		X						
N1122-CL	10/25/96	4:44pm	Soil		1	X		X						
N1122 SND	10/25/96	4:44	Soil		1	X		X						
TBH 1029	10/29/96	2:48	Soil		1	X		X						

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REMARKS:

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:

- 24 HR ___
- 48 HR ___
- 72 HR X
- 96 HR ___
- 5 DAYS ___
- 10 DAYS ___

SAMPLE INTEGRITY:

- INTACT X
- ON ICE X

RELINQUISHED BY:	DATE/TIME: 10/29/96 2:53pm	RECEIVED BY:	DATE/TIME: 10/29/96 2:53 pm
RELINQUISHED BY:	DATE/TIME: 10/30/96 3:12 pm	RECEIVED BY:	DATE/TIME: 10-30-96 3:12 pm
RELINQUISHED BY: FED EX	DATE/TIME: 10/31/96 10:00	RECEIVED IN LAB BY:	DATE/TIME: 10/31/96 10:00

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8

Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FK02032

Sampled: Nov 2-1
Received: Nov 13, 199
Extracted: Nov 13-14, 199
Analyzed: Nov 13-14, 199
Reported: Nov 15, 199

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FK02032	TDU 1102	N.D.	N.D.	N.D.	N.D.	N.D.
FK02033	TDU 1104	N.D.	N.D.	N.D.	N.D.	N.D.
FK02034	TDU 1106	N.D.	N.D.	N.D.	N.D.	N.D.
FK02035	TDU 1107	N.D.	N.D.	N.D.	N.D.	N.D.
FK02036	TDU 1109	N.D.	N.D.	N.D.	N.D.	N.D.
FK02037	TDU 1111	N.D.	N.D.	N.D.	N.D.	N.D.
FK02038	TDU 1110	N.D.	N.D.	N.D.	N.D.	N.D.
FK02039	TDU 1112	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FK02032

Sampled: Nov 2, 1996
Received: Nov 13, 1996
Extracted: Nov 14, 1996
Analyzed: Nov 15, 1996
Reported: Nov 15, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FK02032	TDU 1102	11	C8 - C12	67
		5.1	C13 - C22	32
		0.19	C23 - C40	1.2
	Total Hydrocarbons	**16**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FK02033

Sampled: Nov 4, 199
Received: Nov 13, 199
Extracted: Nov 14, 1996
Analyzed: Nov 15, 1996
Reported: Nov 15, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FK02033	TDU 1104	8.4	C8 - C12	60
		4.9	C13 - C22	35
		0.66	C23 - C40	4.7
	Total Hydrocarbons	**14**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FK02034

Sampled: Nov 6, 1996
Received: Nov 13, 1996
Extracted: Nov 14, 1996
Analyzed: Nov 15, 1996
Reported: Nov 15, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FK02034	TDU 1106	6.7	C8 - C12	77
		2.0	C13 - C22	23
		N.D.	C23 - C40	N.D.
	Total Hydrocarbons	**8.7**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FK02035

Sampled: Nov 7, 19
Received: Nov 13, 199
Extracted: Nov 14, 1996
Analyzed: Nov 15, 1996
Reported: Nov 15, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FK02035	TDU 1107	5.1	C8 - C12	78
		1.5	C13 - C22	22
		N.D.	C23 - C40	N.D.
	Total Hydrocarbons	**6.6**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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E.[illegible]on, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FK02036

Sampled: Nov 9, 1996
Received: Nov 13, 1996
Extracted: Nov 14, 1996
Analyzed: Nov 15, 1996
Reported: Nov 15, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FK02036	TDU 1109	8.2	C8 - C12	68
		3.7	C13 - C22	31
		0.16	C23 - C40	1.3
	Total Hydrocarbons	**12**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

CONFIDENTIAL

Rick DiMaio
Project Manager

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FK02037

Sampled: Nov 11,
Received: Nov 13, 1996
Extracted: Nov 14, 1996
Analyzed: Nov 14, 1996
Reported: Nov 15, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FK02037	TDU 1111	6.6	C8 - C12	60
		4.2	C13 - C22	38
		0.23	C23 - C40	2.1
	Total Hydrocarbons	**11**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FK02038

Sampled: Nov 11, 1996
Received: Nov 13, 1996
Extracted: Nov 14, 1996
Analyzed: Nov 15, 1996
Reported: Nov 15, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FK02038	TDU 1110	3.9	C8 - C12	42
		5.2	C13 - C22	56
		0.17	C23 - C40	1.9
	Total Hydrocarbons	**9.3**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction

Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FK02039

Sampled: Nov 12, 1996
Received: Nov 13, 1996
Extracted: Nov 14, 1996
Analyzed: Nov 15, 1996
Reported: Nov 15, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
FK02039	TDU 1112	5.6	C8 - C12	47
		6.2	C13 - C22	52
		0.19	C23 - C40	1.6
	Total Hydrocarbons	**12**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Nov 13-14, 1996
Analyzed: Nov 13-14, 1996
Reported: Nov 15, 1996
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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Exxon, U.S.A.
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Nov 14, 199
Analyzed: Nov 14-15, 199
Reported: Nov 15, 1996
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C12	N.A.
	N.D.	C13 - C22	N.A.
	N.D.	C23 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL (ELAP #1197)

Rick DiMaio
Project Manager

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 11/13/96

Sample #: BLANK

Batch #: FK13191S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0	1.1	0.94	1.1	85	100	16	92	≤19	75 - 130
Benzene	0	0.10	0.083	0.081	83	81	2.1	82	≤10	77 - 115
Toluene	0	0.10	0.082	0.080	82	80	2.4	81	≤10	80 - 115
Ethylbenzene	0	0.10	0.089	0.087	89	87	2.7	88	≤10	84 - 115
Xylenes	0	0.30	0.27	0.26	90	87	3.1	89	≤10	85 - 115

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 11/14/96

SAMPLE #: FK02037

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	11	50	54	50	86%	78%	7.7%	82%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

PAGE: _____ OF _____

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: Phil Marquez 915-688-6248
ADDRESS: PO Box 1600 Midland TX 79702 (F) 915 688 6199
PROJECT CONTACT: Mark Bolton 310-490-1575 (P) PHONE NO:
CONSULTANT PROJECT NO: CONSULTANT WORK RELEASE NO:
SAMPLED BY (PRINT NAME): Mark Bolton SAMPLER'S SIGNATURE:

EXXON RAS NO:
EXXON SITE LOCATION: Castle Jet
EXXON ENGINEER:
LABORATORY WORK RELEASE NO:
SHIPMENT METHOD:

	SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	EPA 8015G/8020	TPH/GAS - 8015M	VFH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/8240/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 604
X	TDU 1102	110296	0:21	Soil	X	1	X	X	X						
X	TDU 1104	110496	324			1									
X	TDU 1106	110696	934			1									
X	TDU 1107	110796	3:10			1									
/	TDU 1109	110996	8:33			1									
X	TDU 1111	111196	1005			1									
X	TDU 1110	111196	925			1									
X	TDU 1112	111296	1:24	X		1	X	X	X						

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ANALYSIS

REMARKS:

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:
- 24 HR ___
- 48 HR ✓
- 72 HR ___
- 96 HR ___
- 5 DAYS ___
- 10 DAYS ___

SAMPLE INTEGRITY:
- INTACT ✓
- ON ICE N/A

RELINQUISHED BY: DATE/TIME: 11-12-96 2:44pm
RECEIVED BY: DATE/TIME: 11/12/96 2:44P
RELINQUISHED BY: DATE/TIME: 11/12/96
RECEIVED BY: FedX 11/12/96 DATE/TIME:
RELINQUISHED BY: DATE/TIME:
RECEIVED IN LAB BY: DATE/TIME: 11/13/96 9:34

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JUN 17 1996

xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FF00292

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: Jun 4, 1996
Analyzed: Jun 4, 1996
Reported: Jun 6, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FF00292	CTB-65	N.D.	0.026	0.031	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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xxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Sample Descript: Soil, CTA-60
Lab Number: FF00293

Sampled: May 24, 1
Received: May 28, 1996
Extracted: Jun 5, 1996
Analyzed: Jun 5, 1996
Reported: Jun 6, 1996

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0	.....	N.D.
Arsenic	6010	5.0	500	1.0	.....	N.D.
Barium	6010	100	10000	0.50	.....	21
Beryllium	6010	0.75	75	0.10	.....	N.D.
Cadmium	6010	1.0	100	0.10	.....	N.D.
Chromium, VI	7196	5.0	500	0.25	.....	N.D.
Chromium, total	6010	5.0	2500	0.50	.....	5.3
Cobalt	6010	80	8000	0.50	.....	2.3
Copper	6010	25	2500	0.50	.....	4.9
Lead	6010	5.0	1000	1.0	.....	2.6
Mercury	7471	0.20	20	0.020	.....	N.D.
Molybdenum	6010	350	3500	0.50	.....	N.D.
Nickel	6010	20	2000	0.50	.....	3.2
elenium	6010	1.0	100	1.0	.....	N.D.
Silver	6010	5.0	500	0.50	.....	N.D.
Thallium	6010	7.0	700	5.0	.....	N.D.
Vanadium	6010	24	2400	0.50	.....	11
Zinc	6010	250	5000	0.50	.....	14

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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EXON Co. USA
O. Box 1600 ML-14
idland, TX 79702
tn: Phil Marquez

Client Project ID: Castaic Junction
Sample Descript: CTA 60
Analysis Method: See below
Lab Number: FF00293

Sampled: May 24, 1996
Received: May 28, 1996
Analyzed: June 6-10, 1996
Reported: June 11, 1996

STATIC ACUTE HAZARDOUS WASTE BIOASSAY - DEFINITIVE

Species: Pimephales promelas
Common Name: Fathead Minnows

Mean length: 31 mm
Min. length: 28 mm
Max. length: 35 mm
Mean weight: 0.19 g
Min. weight: 0.12 g
Max. weight: 0.24 g

Organisms/Tank: 10
Organisms/Conc.: 20
Tank Depth: 13 cm
Tank Volume: 10 L
Supplier: Aquatic Biosystems
Acclimation Temp.: 20 C

Control Water: Synthetic Softwater
Hardness 40-48

	Alkalinity, mg/L		Hardness, mg/L	
	Initial	Final	Initial	Final
Control	22	20	38	38
1000 ppm	27	26	36	40
Duplicate 1000 ppm	24	27	36	39

	Initial			24 Hr				48 Hr				72 Hr				96 Hr				Total Dead
DATE	June 6, 1996			June 7, 1996				June 8, 1996				June 9, 1996				June 10, 1996				
	DO mg/L	C Temp	pH Units	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	
Control	6.7	20	7.1	7.0	21	6.8	0	5.5	19	6.6	0	7.8	19	7.4	0	6.3	19	7.1	0	0
100 ppm	7.2	20	7.3	7.5	21	7.4	0	6.0	19	7.4	0	8.6	19	7.5	0	6.5	19	7.6	0	0
250 ppm	7.2	20	7.3	7.5	21	7.2	0	5.9	19	7.5	0	8.4	19	7.5	0	6.3	19	7.6	0	0
500 ppm	6.8	20	7.3	7.4	21	7.2	0	5.7	19	7.5	0	8.3	19	7.5	0	6.2	19	7.5	0	0
750 ppm	7.2	20	7.4	7.6	21	7.2	0	5.9	19	7.5	0	8.5	19	7.5	0	6.4	19	7.6	0	0
1000 ppm	7.2	20	7.4	7.6	21	7.7	0	6.0	19	7.6	0	8.7	19	7.5	0	6.5	19	7.6	0	0

Duplicate	DO mg/L	C Temp	pH Units	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	# M Dead	DO mg/L	C Temp	pH Units	#M Dead	Total Dead
100 ppm	6.6	20	7.3	7.7	21	7.3	0	5.9	19	7.5	0	8.4	19	7.5	0	6.3	19	7.6	0	0
250 ppm	6.9	20	7.3	7.7	21	7.2	0	5.9	19	7.6	0	8.4	19	7.5	0	6.3	19	7.6	0	0
500 ppm	6.9	20	7.3	7.2	21	7.2	0	5.7	19	7.5	0	8.2	19	7.5	0	6.3	19	7.5	0	0
750 ppm	7.3	20	7.4	7.8	21	7.2	0	6.1	19	7.6	0	8.7	19	7.5	0	6.7	19	7.6	0	0
1000 ppm	7.2	20	7.4	7.9	21	7.2	0	6.0	19	7.6	0	8.6	19	7.5	0	6.4	19	7.6	0	0

LC-50: >1000ppm

LC-50 Calculation Method: Binomial

Remarks:

Analyst: A. Burrus

Method Reference: Static Acute Bioassay Procedures for Hazardous Waste Samples, November 1988, California Department of Fish and Game WPCL.

DEL MAR ANALTYICAL (ELAP #1855)

Wendy Thomas
Laboratory Manager

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V6060243.DMA <1>

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xon, USA
. .O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Jun 4, 6
Analyzed: Jun 4, 1996
Reported: Jun 6, 1996
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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:xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Jun 5, 1996
Analyzed: Jun 5, 1996
Reported: Jun 6, 1996
Matrix Soil

EXTRACTABLE FUEL HYDROCARBONS (CA DHS Mod. EPA 8015)

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
Method Blank	N.D.	N.A.

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Jun 5, 1996
Analyzed: Jun 5, 1996
Reported: Jun 6, 1996
Matrix Soil

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0	.....	N.D.
Arsenic	6010	5.0	500	1.0	.....	N.D.
Barium	6010	100	10000	0.50	.....	N.D.
Beryllium	6010	0.75	75	0.10	.....	N.D.
Cadmium	6010	1.0	100	0.10	.....	N.D.
Chromium, VI	7196	5.0	500	0.25	.....	N.D.
Chromium, total	6010	5.0	2500	0.50	.....	N.D.
Cobalt	6010	80	8000	0.50	.....	N.D.
Copper	6010	25	2500	0.50	.....	N.D.
Lead	6010	5.0	1000	1.0	.....	N.D.
Mercury	7471	0.20	20	0.020	.....	N.D.
Molybdenum	6010	350	3500	0.50	.....	N.D.
Nickel	6010	20	2000	0.50	.....	N.D.
Selenium	6010	1.0	100	1.0	.....	N.D.
Silver	6010	5.0	500	0.50	.....	N.D.
Thallium	6010	7.0	700	5.0	.....	N.D.
Vanadium	6010	24	2400	0.50	.....	N.D.
Zinc	6010	250	5000	0.50	.....	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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MS/MSD DATA REPORT

EPA METHOD: **3060/7196**
Matrix: Soil

DATE: 6/5/96

SAMPLE #: Blank

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Chromium (VI)	0	200	200	210	100%	105%	4.9%	103%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: 7471
Matrix: Soil

DATE: 6/5/96

SAMPLE #: FF00293

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0	8.0	6.7	7.1	84%	89%	5.8%	86%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 6/5/96

SAMPLE #: FF00292

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	1.7	50	48	45	93%	87%	6.5%	90%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 06/04/96

Sample #: FF00056

Batch #: FF04141S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.016	1.1	1.2	1.2	105	105	0.13	105	≤10	81 - 130
Benzene	0	0.10	0.091	0.093	91	93	2.7	92	≤4.4	86 - 120
Toluene	0	0.10	0.090	0.093	90	93	3.3	91	≤4.0	87 - 119
Ethylbenzene	0	0.10	0.092	0.095	92	95	3.1	93	≤3.9	88 - 118
Xylenes	0	0.30	0.29	0.30	97	100	2.8	99	≤3.8	83 - 125

Definition of Terms

R1. . . . . Result of Sample Analysis
Sp. . . . . Spike Concentration added to sample
MS. . . . . Matrix Spike Result
MSD. . . . . Matrix Spike Duplicate Result
PR1. . . . . Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2. . . . . Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD. . . . . Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR. . . . . Mean Percent Recovery
Acceptance Limits . . . . . Determined by in-house Control Charts

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: SOIL

Date: 6/5/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Antimony	0	1000	1004	946	100%	95%	5.9%	98%
Arsenic	0	1000	878	862	88%	86%	1.8%	87%
Molybdenum	0	1000	932	918	93%	92%	1.5%	93%
Silver	0	1000	924	917	92%	92%	0.8%	92%

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: SOIL

Date: 6/5/96

Sample #: FE05000

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Barium	1229	1000	2298	2212	107%	98%	3.8%	103%
Beryllium	0	1000	918	859	92%	86%	6.6%	89%
Cadmium	0	1000	901	853	90%	85%	5.5%	88%
Chromium	168	1000	1162	1077	99%	91%	7.6%	95%
Cobalt	93	1000	958	968	87%	88%	1.0%	87%
Copper	186	1000	1030	1059	84%	87%	2.8%	86%
Lead	0	1000	947	927	95%	93%	2.1%	94%
Nickel	130	1000	1058	1005	93%	88%	5.1%	90%
Selenium	0	1000	902	855	90%	86%	5.4%	88%
Thallium	0	1000	889	890	89%	89%	0.1%	89%
Vanadium	438	1000	1328	1319	89%	88%	0.7%	89%
Zinc	707	1000	1635	1523	93%	82%	7.1%	87%

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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EXXON COMP[illegible], USA
CHAIN OF CUSTODY RECORD

DATE: 5/24/96

PAGE: 1 OF 2

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: P.G. MARQUEZ

ADDRESS: P.O. Box 1600 ML-14

PROJECT CONTACT: Phil MARQUEZ

PHONE NO: (915) 688 6248

CONSULTANT PROJECT NO: Cooling Tower Borings

CONSULTANT WORK RELEASE NO:

SAMPLED BY (PRINT NAME): Phillip G. MARQUEZ

SAMPLER'S SIGNATURE:

EXXON RAS NO:

EXXON SITE LOCATION: CASTAIC

EXXON ENGINEER:

LABORATORY WORK RELEASE NO:

SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS	ANALYSIS: EPA 8015/8020	TPH/GAS - 8015M	VPH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8240/624/624)	TOTAL LEAD EPA 7421	TSS - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504	8015 mod for ethylene glycol	Hold
CTB-15	5/24/96	14:45	Soil		1											X
CTB-25		15:00			1											
CTB-35		15:10			1	X		X							X	
CTB-55		15:45			2	X		X		X					X	X
CTB-65		16:10			1	X		X								X
CTB-75		16:30			1											
CTB-85 (13)		16:55			2	X		X							X	
CTB-95		17:20			1	X		X								X
CTB-95A		17:40			1											

REMARKS:

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:

- 24 HR ___
- 48 HR X
- 72 HR ___
- 96 HR ___
- 5 DAYS ___
- 10 DAYS ___

SAMPLE INTEGRITY:

- INTACT X
- ON ICE X

RELINQUISHED BY:	DATE/TIME: 5/28/96 1900	RECEIVED BY: DATE/TIME: 5/28/96 930
RELINQUISHED BY:	DATE/TIME: 5/28 1015	RECEIVED BY: DATE/TIME: 5/28 1015
RELINQUISHED BY:	DATE/TIME: 5/28 1605	RECEIVED IN LAB BY: DATE/TIME:

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CHAIN OF CUSTODY FORM

CAM METALS

Client Name/Address:
Exxon Co USA
P.O. Box 1600 ML-14
Midland Tx 79702

Project Manager/Phone Number:
M.L. MARQUEZ
(915) 688 6248 FAX (915) 688 6199

Project/PO Number:
CASTALIA Junction
Cooling Tower Borings

Sampler:
P.G. MARQUEZ

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	EPA 8015 G/8020		VFH/Diesel-8015		Volatile Organics (8260/8240/624)		8015 Mod for ethylene glycol	Lic. BioASSAY	Hold	Special Instructions
CTA-10	Soil	6" Brass Sleeve	1	5/24/96 845										X	
CTA-15			1	910										X	
CTA-20			1	920		X		X				X			
CTA 25			1	925										X	
CTA 30			1	935										X	
CTA 35			1	945		X		X		X		X			
CTA 55			1	1045										X	
CTA 60			1	1100									X	X	
CTA 65			1	1125		X		X		X		X			
CTA 70		3" Brass Sleeve	1	1150										X	
CTA 75			1	1205		X		X				X			
CTA 80			1	1220										X	
CTA 85			1	1235		X		X				X			
CTA 90			1	1300		X		X				X			

Relinquished By: [signature] Date/Time: 5/28/96 ~~1900 hrs.~~ 230

Received by: [signature] Date/Time: 5/28/96 230

Relinquished By: [signature] Date/Time: 5/28 1015 am

Received by: [signature] Date/Time: 5/28 1015

Relinquished By: [signature] Date/Time: 5/28 1405

Received in Lab by: [signature] Date/Time: [illegible]

Turnaround Time: (check)

same day		72 hours	
24 hours		5 days	
48 hours	X	normal	

Sample Integrity: (Check)
intact ✓ on ice X

APPENDIX D:

INITIAL SITE CHARACTERIZATION ANALYTICAL DATA

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xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE04336

Sampled: May 24, 19
Received: May 28, 1996
Extracted: May 28, 1996
Analyzed: May 28, 1996
Reported: May 30, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE04336	CTB-35	14,000	11	190	86	560
Detection Limit:		**300**	**1.5**	**1.5**	**1.5**	**4.5**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 300.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE04337

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 28-29, 1996
Analyzed: May 28-29, 1996
Reported: May 30, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE04337	CTB-55	21	0.35	0.33	0.062	0.37
FE04338	CTB-85	N.D.	N.D.	N.D.	N.D.	N.D.
FE04339	CTB-95	N.D.	N.D.	N.D.	N.D.	N.D.
FE04340	CTA-20	N.D.	N.D.	N.D.	N.D.	N.D.
FE04341	CTA-35	23	0.37	0.31	0.056	0.35
FE04343	CTA-75	N.D.	N.D.	N.D.	N.D.	N.D.
FE04344	CTA-85	N.D.	N.D.	N.D.	N.D.	N.D.
FE04345	CTA-90	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:		**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 5030/CA DHS Mod. 8015/8020
First Sample #: FE04342

Sampled: May 24, 6
Received: May 28, 96
Extracted: May 28, 1996
Analyzed: May 28, 1996
Reported: May 30, 1996

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Number	Sample Description Soil	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
FE04342	CTA-65	1,900	2.6	30	8.9	61
Detection Limit:		**150**	**0.75**	**0.75**	**0.75**	**2.3**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution. Detection limits for this sample have been raised by a factor of 150.

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cxon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE04336

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE04336	CTB-35	970	C8 - C12
		210	C13 - C24
		N.D.	C25 - C40
	Total Hydrocarbons	**1,200**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

EL MAR ANALYTICAL, IRVINE (ELAP #1197)

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'xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE04337

Sampled: May 24, [illegible]6
Received: May 28, [illegible]6
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE04337	CTB-55	14	C8 - C12
		5.8	C13 - C24
		N.D.	C25 - C40
	Total Hydrocarbons	**20**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Laboratory Director

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xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE04338

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE04338	CTB-85	N.D.	C8 - C12
		N.D.	C13 - C24
		N.D.	C25 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE04339

Sampled: May 24, 19
Received: May 28, 1996
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE04339	CTB-95	N.D.	C8 - C12
		N.D.	C13 - C24
		N.D.	C25 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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Laboratory Director

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.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE04340

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE04340	CTA-20	N.D.	C8 - C12
		N.D.	C13 - C24
		N.D.	C25 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Laboratory Director

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Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE04341

Sampled: May 24, 1.
Received: May 28, 1996
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE04341	CTA-35	22	C8 - C12
		2.0	C13 - C24
		N.D.	C25 - C40
	Total Hydrocarbons	**24**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE04342

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE04342	CTA-65	570	C8 - C12
		100	C13 - C24
		N.D.	C25 - C40
	Total Hydrocarbons	**670**	

Detection Limit: **5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE04343

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE04343	CTA-75	N.D.	C8 - C12
		N.D.	C13 - C24
		N.D.	C25 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE04344

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE04344	CTA-85	N.D.	C8 - C12
		N.D.	C13 - C24
		N.D.	C25 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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Client Project ID: Castaic Junction
Cooling Tower Borings
Analysis Method: EPA 3550/ Mod. 8015
Lab Number: FE04345

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Number	Sample Description Soil	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type
FE04345	CTA-90	N.D.	C8 - C12
		N.D.	C13 - C24
		N.D.	C25 - C40
	Total Hydrocarbons	**N.D.**	

Detection Limit:	**5.0**

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Sample Descript: Soil
First Sample #: FE04336

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 30, 1996
Analyzed: May 30, 1996
Reported: May 31, 1996

ETHYLENE GLYCOL by MODIFIED 8015 (GC/FID)

Laboratory Number	Sample Description	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
FE04336	CTB-35	5.0	53
FE04337	CTB-55	5.0	7.9
FE04338	CTB-85	5.0	6.4
FE04340	CTA-20	5.0	8.5
FE04341	CTA-35	5.0	N.D.
FE04342	CTA-65	5.0	N.D.
FE04343	CTA-75	5.0	N.D.
FE04344	CTA-85	5.0	N.D.
FE04345	CTA-90	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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Attention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Sample Descript: Soil, CTB-55
Lab Number: FE04337

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	**100**	**610**
Benzene	20	N.D.
Bromodichloromethane	20	N.D.
Bromoform	20	N.D.
Bromomethane	50	N.D.
2-Butanone	**100**	**220**
Carbon disulfide	50	N.D.
Carbon tetrachloride	50	N.D.
Chlorobenzene	20	N.D.
Chlorodibromomethane	20	N.D.
Chloroethane	50	N.D.
2-Chloroethyl vinyl ether	20	N.D.
Chloroform	20	N.D.
Chloromethane	50	N.D.
1,1-Dichloroethane	20	N.D.
2-Dichloroethane	20	N.D.
,1-Dichloroethene	50	N.D.
cis-1,2-Dichloroethene	20	N.D.
trans-1,2-Dichloroethene	20	N.D.
1,2-Dichloropropane	20	N.D.
cis-1,3-Dichloropropene	20	N.D.
trans-1,3-Dichloropropene	20	N.D.
Ethylbenzene	20	N.D.
2-Hexanone	100	N.D.
Methylene chloride	100	N.D.
4-Methyl-2-pentanone	50	N.D.
Styrene	20	N.D.
1,1,2,2-Tetrachloroethane	20	N.D.
Tetrachloroethene	20	N.D.
Toluene	20	N.D.
1,1,1-Trichloroethane	20	N.D.
1,1,2-Trichloroethane	20	N.D.
Trichloroethene	50	N.D.
Trichlorofluoromethane	50	N.D.
Vinyl acetate	50	N.D.
Vinyl chloride	20	N.D.
Total Xylenes		

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
Detection limits for this sample have been raised by a factor of 10.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	91%
Toluene-d8 (81-117)	102%
4-Bromofluorobenzene (74-121)	110%

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:ention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Sample Descript: Soil, CTA-35
Lab Number: FE04341

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 30, 1996
Analyzed: May 30, 1996
Reported: May 30, 1996

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
cetone	25	330
enzene	5.0	N.D.
romodichloromethane	5.0	N.D.
romoform	5.0	N.D.
romomethane	13	N.D.
-Butanone	25	54
arbon disulfide	13	N.D.
arbon tetrachloride	13	N.D.
hlorobenzene	5.0	N.D.
hlorodibromomethane	5.0	N.D.
hloroethane	13	N.D.
-Chloroethyl vinyl ether	5.0	N.D.
hloroform	5.0	N.D.
hlo ethane	13	N.D.
,1-Dichloroethane	5.0	N.D.
2-Dichloroethane	5.0	N.D.
,1-Dichloroethene	13	N.D.
is-1,2-Dichloroethene	5.0	N.D.
rans-1,2-Dichloroethene	5.0	N.D.
1,2-Dichloropropane	5.0	N.D.
is-1,3-Dichloropropene	5.0	N.D.
rans-1,3-Dichloropropene	5.0	N.D.
Ethylbenzene	5.0	N.D.
2-Hexanone	25	N.D.
Methylene chloride	25	N.D.
4-Methyl-2-pentanone	13	N.D.
Styrene	5.0	N.D.
1,1,2,2-Tetrachloroethane	5.0	N.D.
Tetrachloroethene	5.0	N.D.
Toluene	5.0	N.D.
1,1,1-Trichloroethane	5.0	N.D.
1,1,2-Trichloroethane	5.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	13	N.D.
Vinyl acetate	13	N.D.
Vinyl chloride	13	N.D.
Total Xylenes	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
Det on limits for this sample have been raised by a factor of 2.5.

DL AR ANALYTICAL, IRVINE (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121)	92%
Toluene-d8 (81-117)	100%
4-Bromofluorobenzene (74-121)	106%

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ention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Sample Descript: Soil, CTA-65
Lab Number: FE04342

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 30, 1996
Analyzed: May 30, 1996
Reported: May 30, 1996

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	2,000	N.D.
Benzene	400	460
Bromodichloromethane	400	N.D.
Bromoform	400	N.D.
Bromomethane	1,000	N.D.
2-Butanone	2,000	N.D.
Carbon disulfide	1,000	N.D.
Carbon tetrachloride	1,000	N.D.
Chlorobenzene	400	N.D.
Chlorodibromomethane	400	N.D.
Chloroethane	1,000	N.D.
2-Chloroethyl vinyl ether	400	N.D.
Chloroform	400	N.D.
Chloromethane	1,000	N.D.
1,1-Dichloroethane	400	N.D.
1,2-Dichloroethane	400	N.D.
1,1-Dichloroethene	1,000	N.D.
cis-1,2-Dichloroethene	400	N.D.
trans-1,2-Dichloroethene	400	N.D.
1,2-Dichloropropane	400	N.D.
cis-1,3-Dichloropropene	400	N.D.
trans-1,3-Dichloropropene	400	N.D.
Ethylbenzene	400	2,200
2-Hexanone	2,000	N.D.
Methylene chloride	2,000	N.D.
4-Methyl-2-pentanone	1,000	N.D.
Styrene	400	N.D.
1,1,2,2-Tetrachloroethane	400	N.D.
Tetrachloroethene	400	6,300
Toluene	400	N.D.
1,1,1-Trichloroethane	400	N.D.
1,1,2-Trichloroethane	400	N.D.
Trichloroethene	1,000	N.D.
Trichlorofluoromethane	1,000	N.D.
Vinyl acetate	1,000	N.D.
Vinyl chloride	400	11,000
Total Xylenes		

Analytes reported as N.D. were not present above the stated limit of detection. Due to matrix effects and/or other factors, the sample required dilution.
Detection limits for this sample have been raised by a factor of 200.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121).....	93%
Toluene-d8 (81-117).....	98%
4-Bromofluorobenzene (74-121).....	115%

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Laboratory Director

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:ention: Phil Marquez

Client Project ID: Castaic Junction
Cooling Tower Borings
Sample Descript: Soil, CTB-65
Lab Number: FE04563

Sampled: May 24, 1996
Received: May 28, 1996
Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996

SEMI-VOLATILE ORGANICS by GC/MS (EPA 3550/8270)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)	Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
cenaphthene	100	N.D.	Dimethyl phthalate	100	N.D.
cenaphthylene	100	N.D.	4,6-Dinitro-2-methylphenol	250	N.D.
niline	150	N.D.	2,4-Dinitrophenol	250	N.D.
nthracene	100	N.D.	2,4-Dinitrotoluene	100	N.D.
zobenzene	150	N.D.	2,6-Dinitrotoluene	100	N.D.
enzidine	1,000	N.D.	Di-N-octyl phthalate	500	N.D.
enzoic Acid	500	N.D.	Fluoranthene	100	N.D.
enz(a)anthracene	100	N.D.	Fluorene	100	N.D.
enzo(b)fluoranthene	200	N.D.	Hexachlorobenzene	100	N.D.
enzo(k)fluoranthene	200	N.D.	Hexachlorobutadiene	100	N.D.
enzo(g,h,i)perylene	150	N.D.	Hexachlorocyclopentadiene	500	N.D.
enzo(a)pyrene	200	N.D.	Hexachloroethane	200	N.D.
en[illegible]cohol	200	N.D.	Indeno(1,2,3-cd)pyrene	200	N.D.
is(2[illegible]loroethoxy)methane	100	N.D.	Isophorone	100	N.D.
s(2-chloroethyl)ether	100	N.D.	2-Methylnaphthalene	100	N.D.
is(2-chloroisopropyl)ether	100	N.D.	2-Methylphenol	150	N.D.
is(2-ethylhexyl)phthalate	250	N.D.	4-Methylphenol	150	N.D.
-Bromophenyl phenyl ether	150	N.D.	Naphthalene	150	N.D.
utyl benzyl phthalate	500	N.D.	2-Nitroaniline	200	N.D.
-Chloroaniline	100	N.D.	3-Nitroaniline	200	N.D.
-Chloronaphthalene	100	N.D.	4-Nitroaniline	500	N.D.
-Chloro-3-methylphenol	100	N.D.	Nitrobenzene	500	N.D.
-Chlorophenol	250	N.D.	2-Nitrophenol	100	N.D.
-Chlorophenyl phenyl ether	100	N.D.	4-Nitrophenol	500	N.D.
Chrysene	100	N.D.	N-Nitrosodiphenylamine	200	N.D.
Dibenz(a,h)anthracene	250	N.D.	N-Nitroso-di-N-propylamine	150	N.D.
Dibenzofuran	100	N.D.	Pentachlorophenol	500	N.D.
Di-N-butyl phthalate	250	N.D.	Phenanthrene	100	N.D.
1,3-Dichlorobenzene	100	N.D.	Phenol	150	N.D.
1,4-Dichlorobenzene	100	N.D.	Pyrene	150	N.D.
1,2-Dichlorobenzene	100	N.D.	1,2,4-Trichlorobenzene	100	N.D.
3,3-Dichlorobenzidine	500	N.D.	2,4,5-Trichlorophenol	150	N.D.
2,4-Dichlorophenol	100	N.D.	2,4,6-Trichlorophenol	150	N.D.
Diethyl phthalate	100	N.D.			
2,4-Dimethylphenol	250	N.D.			

Analytes reported as N.D. were not present above the stated limit of detection.

Surrogate Standard Recoveries (Accept. Limits):	
2-Fluorophenol (25-121)	65%
Phenol-d6 (24-113)	70%
2,4,6-Tribromophenol (19-122)	88%
Nitrobenzene-d5 (23-120)	72%
2-Fluorobiphenyl (30-115)	70%
Terphenyl-d14 (18-137)	66%

DE[illegible]AR ANALYTICAL, IRVINE (ELAP #1197)

Gary Steube
Laboratory Director

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-1338

:xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 28-29, 19
Analyzed: May 28-29, 1996
Reported: May 30, 1996
Matrix: Soil

VOLATILE FUEL HYDROCARBONS/BTEX DISTINCTION (CA DHS Mod. EPA 8015/8020)

Laboratory Description	Volatile Fuel Hydrocarbons mg/Kg (ppm)	Benzene mg/Kg (ppm)	Toluene mg/Kg (ppm)	Ethyl Benzene mg/Kg (ppm)	Total Xylenes mg/Kg (ppm)
Method Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Detection Limit:	**1.0**	**0.0050**	**0.0050**	**0.0050**	**0.015**

Volatile Fuel Hydrocarbons are quantitated against a gasoline standard. Hydrocarbons detected by this method range from C6 to C12.

Analytes reported as N.D. were not present above the stated limit of detection.

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ɔn, USA
. Box 1600 ML-14
and, TX 79702
ntion: Phil Marquez

Method Blank

Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996
Matrix: Soil

SIMULATED DISTILLATION - HYDROCARBON DISTRIBUTION

Laboratory Description	Extractable Hydrocarbons mg/Kg (ppm)	Hydrocarbon Type	Carbon Range Area %
Method Blank	N.D.	C8 - C12	N.A.
	N.D.	C13 - C24	N.A.
	N.D.	C25 - C40	N.A.
Total Hydrocarbons	**N.D.**		

Detection Limit: 5.0

Extractable Hydrocarbons are quantitated against a diesel fuel standard. Hydrocarbons detected by this method range from C8 to C40.

Analytes reported as N.D. were not present above the stated limit of detection.

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:xon, USA
.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: May 30, 1[illegible]
Analyzed: May 30, 1996
Reported: May 31, 1996
Matrix: Soil

ETHYLENE GLYCOL by MODIFIED 8015 (GC/FID)

Laboratory Description	Detection Limit mg/Kg (ppm)	Sample Result mg/Kg (ppm)
Method Blank	5.0	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

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cxon, USA
.O. Box 1600 ML-14
lidland, TX 79702
ttention: Phil Marquez

Method Blank

Extracted: May 29, 1996
Analyzed: May 29, 1996
Reported: May 30, 1996
Matrix: Soil

VOLATILE ORGANICS by GC/MS (EPA 8240)

Analyte	Detection Limit µg/Kg (ppb)	Sample Result µg/Kg (ppb)
Acetone	10	N.D.
Benzene	2.0	N.D.
Bromodichloromethane	2.0	N.D.
Bromoform	2.0	N.D.
Bromomethane	5.0	N.D.
2-Butanone	10	N.D.
Carbon disulfide	5.0	N.D.
Carbon tetrachloride	5.0	N.D.
Chlorobenzene	2.0	N.D.
Chlorodibromomethane	2.0	N.D.
Chloroethane	5.0	N.D.
2-Chloroethyl vinyl ether	2.0	N.D.
Chloroform	2.0	N.D.
Ch methane	5.0	N.D.
1,1- chloroethane	2.0	N.D.
2-Dichloroethane	2.0	N.D.
,1-Dichloroethene	5.0	N.D.
cis-1,2-Dichloroethene	2.0	N.D.
trans-1,2-Dichloroethene	2.0	N.D.
1,2-Dichloropropane	2.0	N.D.
cis-1,3-Dichloropropene	2.0	N.D.
trans-1,3-Dichloropropene	2.0	N.D.
Ethylbenzene	2.0	N.D.
2-Hexanone	10	N.D.
Methylene chloride	10	N.D.
4-Methyl-2-pentanone	5.0	N.D.
Styrene	2.0	N.D.
1,1,2,2-Tetrachloroethane	2.0	N.D.
Tetrachloroethene	2.0	N.D.
Toluene	2.0	N.D.
1,1,1-Trichloroethane	2.0	N.D.
1,1,2-Trichloroethane	2.0	N.D.
Trichloroethene	5.0	N.D.
Trichlorofluoromethane	5.0	N.D.
Vinyl acetate	5.0	N.D.
Vinyl chloride	2.0	N.D.
Total Xylenes		

Analytes reported as N.D. were not present above the stated limit of detection.

MAR ANALYTICAL, IRVINE (ELAP #1197)

Surrogate Standard Recoveries (Accept. Limits):	
1,2-Dichloroethane-d4 (70-121).....	93%
Toluene-d8 (81-117).....	102%
4-Bromofluorobenzene (74-121).....	110%

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Laboratory Director

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Exxon, USA
P.O. Box 1600 ML-14
Midland, TX 79702
Attention: Phil Marquez

Method Blank

Extracted: Jun 5, 1996
Analyzed: Jun 5, 1996
Reported: Jun 6, 1996
Matrix Soil

CALIFORNIA CODE OF REGULATIONS, TITLE 22 METALS

Analyte	EPA Method	STLC Max. Limit mg/L (ppm)	TTLC Max. Limit mg/Kg (ppm)	Detection Limit mg/Kg (ppm)		TTLC Sample Result mg/Kg (ppm)
Antimony	6010	15	500	5.0	.....	N.D.
Arsenic	6010	5.0	500	1.0	.....	N.D.
Barium	6010	100	10000	0.50	.....	N.D.
Beryllium	6010	0.75	75	0.10	.....	N.D.
Cadmium	6010	1.0	100	0.10	.....	N.D.
Chromium, VI	7196	5.0	500	0.25	.....	N.D.
Chromium, total	6010	5.0	2500	0.50	.....	N.D.
Cobalt	6010	80	8000	0.50	.....	N.D.
Copper	6010	25	2500	0.50	.....	N.D.
Lead	6010	5.0	1000	1.0	.....	N.D.
Mercury	7471	0.20	20	0.020	.....	N.D.
Molybdenum	6010	350	3500	0.50	.....	N.D.
Nickel	6010	20	2000	0.50	.....	N.D.
Selenium	6010	1.0	100	1.0	.....	N.D.
Silver	6010	5.0	500	0.50	.....	N.D.
Thallium	6010	7.0	700	5.0	.....	N.D.
Vanadium	6010	24	2400	0.50	.....	N.D.
Zinc	6010	250	5000	0.50	.....	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

DEL MAR ANALYTICAL, IRVINE (ELAP #1197)

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MS/MSD DATA REPORT

EPA METHOD: **3060/7196**
Matrix: Soil

DATE: 6/5/96

SAMPLE #: Blank

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Chromium (VI)	0	200	200	210	100%	105%	4.9%	103%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: **7471**
Matrix: Soil

DATE: 6/5/96

SAMPLE #: FF00293

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Mercury	0	8.0	6.7	7.1	84%	89%	5.8%	86%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA METHOD: **8015 by extraction**
Matrix: Soil

DATE: 6/5/96

SAMPLE #: FF00292

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppm	ppm	ppm	ppm	%	%	%	%
Hydrocarbons	1.7	50	48	45	93%	87%	6.5%	90%

Definition of Terms:

R1..... Result of Sample Analysis

Sp..... Spike Concentration Added to Sample

MS..... Matrix Spike Result

MSD..... Matrix Spike Duplicate Result

PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100

PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100

RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

EPA Method 8015/8020

Matrix: Soil

Date: 06/04/96

Sample #: FF00056

Batch #: FF04141S

Analyte	R1	Sp	MS	MSD	PR1	PR2	RPD	Mean PR	Acceptance Limits	
	ppm	ppm	ppm	ppm	%	%	%	%	RPD	Mean PR
TPH	0.016	1.1	1.2	1.2	105	105	0.13	105	≤10	81 - 130
Benzene	0	0.10	0.091	0.093	91	93	2.7	92	≤4.4	86 - 120
Toluene	0	0.10	0.090	0.093	90	93	3.3	91	≤4.0	87 - 1[illegible]
Ethylbenzene	0	0.10	0.092	0.095	92	95	3.1	93	≤3.9	88 - 11[illegible]
Xylenes	0	0.30	0.29	0.30	97	100	2.8	99	≤3.8	83 - 125

Definition of Terms

R1..... Result of Sample Analysis
Sp..... Spike Concentration added to sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1)/SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1)/SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2) X 100
Mean PR..... Mean Percent Recovery
Acceptance Limits..... Determined by in-house Control Charts

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2465 W. 12th St., Suite 1, Tempe, AZ 85281 (602) 968-8272 FAX (602) 968-

MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: SOIL

Date: 6/5/96

Sample #: Blank

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Antimony	0	1000	1004	946	100%	95%	5.9%	98%
Arsenic	0	1000	878	862	88%	86%	1.8%	87%
Molybdenum	0	1000	932	918	93%	92%	1.5%	93%
Silver	0	1000	924	917	92%	92%	0.8%	92%

R1..... ..... Result of Sample Analysis
Sp..... ..... Spike Concentration Added to Sample
MS..... ..... Matrix Spike Result
MSD..... ..... Matrix Spike Duplicate Result
PR1..... ..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... ..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... ..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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MS/MSD DATA REPORT

METHOD: **Metals**
Instrument: ICP
Matrix: SOIL

Date: 6/5/96

Sample #: FE05000

Analyte	R1	SP	MS	MSD	PR1	PR2	RPD	MEAN PR
	ppb	ppb	ppb	ppb	%	%	%	%
Barium	1229	1000	2298	2212	107%	98%	3.8%	103%
Beryllium	0	1000	918	859	92%	86%	6.6%	89%
Cadmium	0	1000	901	853	90%	85%	5.5%	88%
Chromium	168	1000	1162	1077	99%	91%	7.6%	95%
Cobalt	93	1000	958	968	87%	88%	1.0%	87%
Copper	186	1000	1030	1059	84%	87%	2.8%	86%
Lead	0	1000	947	927	95%	93%	2.1%	94%
Nickel	130	1000	1058	1005	93%	88%	5.1%	90%
Selenium	0	1000	902	855	90%	86%	5.4%	88%
Thallium	0	1000	889	890	89%	89%	0.1%	89%
Vanadium	438	1000	1328	1319	89%	88%	0.7%	89%
Zinc	707	1000	1635	1523	93%	82%	7.1%	87%

R1..... Result of Sample Analysis
Sp..... Spike Concentration Added to Sample
MS..... Matrix Spike Result
MSD..... Matrix Spike Duplicate Result
PR1..... Percent Recovery of MS; ((MS-R1) / SP) X 100
PR2..... Percent Recovery of MSD; ((MSD-R1) / SP) X 100
RPD..... Relative Percent Difference; ((MS-MSD)/(MS+MSD)/2)) X 100

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EXXON COMPANY, USA
CHAIN OF CUSTODY RECORD

DATE: 5/24/96

PAGE: 1 OF 2

NOTE: SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS

EXXON CONSULTANT: P.G. MARQUEZ
ADDRESS: P.O. Box 1600 ML-14
PROJECT CONTACT: Phil MARQUEZ
CONSULTANT PROJECT NO: Cooling Tower Borings
SAMPLED BY (PRINT NAME): Phillip G. MARQUEZ

PHONE NO: (915) 688 6248
CONSULTANT WORK RELEASE NO:
SAMPLER'S SIGNATURE:

EXXON RAS NO:
EXXON SITE LOCATION: CASTAIC
EXXON ENGINEER:
LABORATORY WORK RELEASE NO:
SHIPMENT METHOD:

SAMPLE DESCRIPTION	COLLECTION DATE	COLLECTION TIME	MATRIX (SOIL/WATER/AIR)	PRESERVATION	NO. OF CONTAINERS
CTB-15	5/24/96	14:45	Soil		1
CTB-25		15:00			1
CTB-35		15:10			1
CTB-55		15:45			2
CTB-65		16:10			1
CTB-75		16:30			1
CTB-85 (3)		16:55			2
CTB-95		17:20			1
CTB-95A		17:40			1

ANALYSIS

EPA 8015/8020	TPH/GAS - 8015M	VPH/DIESEL - 8015	EPA 8020/602	VOLATILE ORGANICS (8260/624/624)	TOTAL LEAD EPA 7421	T&S - EPA 160.2	TOTAL SULFIDES EPA 376.1	EDB - EPA 504	8015 mod for ethylene glycol	Hold
										X
										X
X		X							X	
X		X		X					X	
X		X								X
										X
X		X							X	
X		X								
										X

REMARKS:

LACDPW FORMAT: YES ___ NO ___

TURNAROUND TIME:
- 24 HR ___
- 48 HR X
- 72 HR ___
- 96 HR ___
- 5 DAYS ___
- 10 DAYS ___

SAMPLE INTEGRITY:
- INTACT X
- ON ICE ___

RELINQUISHED BY:	DATE/TIME: 5/24/96 1900	RECEIVED BY:	DATE/TIME: 5/28/96 930
RELINQUISHED BY:	DATE/TIME: 5/28 1015	RECEIVED BY:	DATE/TIME: 5/28 1015
RELINQUISHED BY:	DATE/TIME:	RECEIVED IN LAB BY:	DATE/TIME:

CONFIDENTIAL

Del Mar Analytical
2852 Alton Ave Irvine CA 92714 (714) 261 1022 FAX (714) 261 1228
1014 E Cooley Dr Suite A Colton CA 92324 (909) 370 4667 FAX (909) 370 1046
16525 Sherman Way Suite C 11 Van Nuys CA 91406 (818) 779 1844 FAX (818) 779 1843
2465 W 12th St Suite 1, Tempe AZ 85281 (602) 968 8272 FAX (602) 968 1338

CHAIN OF CUSTODY FORM

CAM METAL

Client Name/Address:
Exxon Co USA
P.O. Box 1600 ML-14
Midland Tx 79702

Project/PO Number:
Cosmic Junction
Cooling Tower Borings

Project Manager/Phone Number:
Phil Marquez
(915) 685 6248
FAX (915) 685 6199

Sampler:
P.G. Marquez

Analysis Required

Sample Description	Sample Matrix	Container Type	#of Cont	Sampling Date/Time	Preservatives	EPA 8015 G / 8020		VFH/Diesel-8015		Volatile Organics (8260/8240/624)		8015 Mod for Ethylene glycol	Lucci Bioassay	Hold	Special Instructions
CTA-10	Soil	Brass Sleeve	1	5/24/96 845										X	
CTA-15			1	910										X	
CTA-20			1	920		X		X				X			
CTA 25			1	925										X	
CTA 30			1	935										X	
CTA 35			1	945		X		X		X		X			
CTA 55			1	1045										X	
CTA 60			1	1100									X	X	
CTA 65			1	1125		X		X		X		X			
CTA 70		3" Brass Sleeve	1	1150										X	
CTA 75			1	1205		X		X				X			
CTA 80			1	1220										X	
CTA 85			1	1235		X		X				X			
CTA 90			1	1300		X		X				X			

Relinquished By: — Date/Time: 5/28/96 ~~1900~~ 2120 hrs. — Received By: — Date/Time: 5/28/96 2130

Relinquished By: — Date/Time: 5/28 1015 am — Received by: — Date/Time: 5/28 1015

Relinquished By: — Date/Time: 5/28 1405 — Received in Lab by: — Date/Time:

Turnaround Time: (check)

same day		72 hours	
24 hours		5 days	
48 hours	X	normal	

Sample Integrity: (Check)
intact ✓ on ice

APPENDIX D:

Laboratory Reports and Chain-of-Custody Documentation

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

Date: November 24, 2004

DEC - 2 2004

Mr. Russell Cote
BA Environmental
528 State Street
Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

Project: **The Mesas / 104229**

Dear Mr. Cote:

The analytical results for the soil samples, received by our laboratory on November 17, 2004, are attached.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Jesse Tu, Ph.D.
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/18/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G1A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-31A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/18/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G2A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-32A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/18/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G3A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-33A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/18/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G4A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-34A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/18/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G5A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-35A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/18/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G6A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-36A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/18/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G7A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-37A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/19/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G8A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-38A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/19/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G9A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-39A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/19/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G10A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-40A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

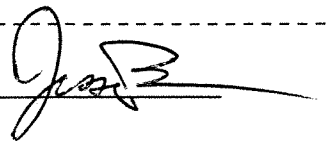
DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/19/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G11A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-41A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY: 
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/19/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G12A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-42A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
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Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
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DATE REPORTED:11/24/04

SAMPLE I.D.: **G13A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-43A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **BA Environmental**
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Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX: SOIL
DATE SAMPLED: 11/16/04
REPORT TO: MR. RUSSELL COTE

DATE RECEIVED: 11/17/04
DATE EXTRACTED: 11/18/04
DATE ANALYZED: 11/19/04
DATE REPORTED: 11/24/04

SAMPLE I.D.: **G14A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-44A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/19/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G15A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-45A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

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DATE REPORTED:11/24/04

SAMPLE I.D.: **G16A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-46A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
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PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/19/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G17A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-47A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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LABORATORY REPORT

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PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/19/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G18A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-48A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **BA Environmental**
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Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/19/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G19A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-49A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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METHOD BLANK REPORT

CUSTOMER: **BA Environmental**
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Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
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DATE REPORTED:11/24/04

METHOD BLANK FOR LAB I.D.: 041117-31A/B/C/D (Composite), 041117-32A/B/C/D (Composite), 041117-33A/B/C/D (Composite), 041117-34A/B/C/D (Composite), 041117-35A/B/C/D (Composite), 041117-36A/B/C/D (Composite), 041117-37A/B/C/D (Composite), 041117-38A/B/C/D (Composite), 041117-39A/B/C/D (Composite), 041117-40A/B/C/D (Composite), 041117-41A/B/C/D (Composite), 041117-42A/B/C/D (Composite), 041117-43A/B/C/D (Composite), 041117-44A/B/C/D (Composite), 041117-45A/B/C/D (Composite), 041117-46A/B/C/D (Composite), 041117-47A/B/C/D (Composite), 041117-48A/B/C/D (Composite), 041117-49A/B/C/D (Composite)

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Soil** Date Analyzed: **11/18-11/19/2004**

Unit: mg/Kg

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 041117-37 A-D Comp

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.050	0.0443	**89%**	0.0445	**89%**	**0%**	**0-20%**	**70-130**
Aldrin	0.000	0.050	0.0402	**80%**	0.0428	**86%**	**6%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.050	0.0640	**128%**	0.0638	**128%**	**0%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.0050	0.00515	**103%**	**75-125**
Aldrin	0.0050	0.00486	**97%**	**75-125**
4,4-DDE	0.0050	0.00526	**105%**	**75-125**
Dieldrin	0.0050	0.00499	**100%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.		MB	1117-30	1117-31A-D	1117-32A-D	1117-33A-D	1117-34A-D	1117-35A-D
Tetra-chloro-meta-xylene	50-150	83%	91%	88%	92%	101%	84%	96%
Decachlorobipneyl	50-150	96%	126%	101%	97%	125%	94%	100%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	1117-36A-D	1117-37A-D	1117-38A-D	1117-39A-D	1117-40A-D	1117-41A-D	1117-42A-D	1117-43A-D
Tetra-chloro-meta-xylene	101%	110%	106%	88%	107%	97%	89%	90%
Decachlorobipneyl	118%	118%	115%	102%	105%	98%	80%	88%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	1117-44A-D	1117-45A-D	1117-46A-D	1117-47A-D	1117-48A-D	1117-49A-D
Tetra-chloro-meta-xylene	96%	87%	103%	80%	89%	99%
Decachlorobipneyl	95%	79%	103%	72%	80%	96%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

** = Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

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LABORATORY REPORT

CUSTOMER: **BA Environmental**
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Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX: SOIL
DATE SAMPLED: 11/16/04
REPORT TO: MR. RUSSELL COTE

DATE RECEIVED: 11/17/04
DATE EXTRACTED: 11/18-19/04
DATE ANALYZED: 11/20/04
DATE REPORTED: 11/24/04

SAMPLE I.D.: **G1A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-31A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

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PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

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DATE ANALYZED:11/20/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G2A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-32A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
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PROJECT: **The Mesas/ 104229**
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DATE REPORTED:11/24/04

SAMPLE I.D.: **G3A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-33A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18-19/04
DATE ANALYZED:11/20/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G4A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-34A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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PROJECT: **The Mesas/ 104229**
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SAMPLE I.D.: **G5A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-35A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

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DATE REPORTED:11/24/04

SAMPLE I.D.: **G6A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-36A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

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DATE REPORTED:11/24/04

SAMPLE I.D.: **G7A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-37A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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SAMPLE I.D.: **G8A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-38A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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SAMPLE I.D.: **G9A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-39A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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PROJECT: **The Mesas/ 104229**
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SAMPLE I.D.: **G10A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-40A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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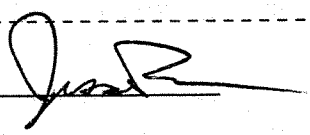
SAMPLE I.D.: **G11A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-41A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY: 
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SAMPLE I.D.: **G12A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-42A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
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SAMPLE I.D.: **G13A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-43A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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SAMPLE I.D.: **G14A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-44A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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SAMPLE I.D.: **G15A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-45A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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SAMPLE I.D.: **G16A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-46A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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SAMPLE I.D.: **G17A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-47A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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SAMPLE I.D.: **G18A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-48A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

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SAMPLE I.D.: **G19A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-49A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18-19/04
DATE ANALYZED:11/20/04
DATE REPORTED:11/24/04

METHOD BLANK FOR LAB I.D.: 041117-31A/B/C/D (Composite), 041117-32A/B/C/D (Composite), 041117-33A/B/C/D (Composite), 041117-34A/B/C/D (Composite), 041117-35A/B/C/D (Composite), 041117-36A/B/C/D (Composite), 041117-37A/B/C/D (Composite), 041117-38A/B/C/D (Composite), 041117-39A/B/C/D (Composite), 041117-40A/B/C/D (Composite), 041117-41A/B/C/D (Composite), 041117-42A/B/C/D (Composite), 041117-43A/B/C/D (Composite), 041117-44A/B/C/D (Composite), 041117-45A/B/C/D (Composite), 041117-46A/B/C/D (Composite), 041117-47A/B/C/D (Composite), 041117-48A/B/C/D (Composite), 041117-49A/B/C/D (Composite)

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report
Analysis: EPA 8151A

Matrix: **SOIL** Date Analyzed: **11/20-11/21/2004**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 041117-30

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	1.00	0.709	**71%**	0.704	**70%**	**1%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.100	0.091	91%	**70-130**
2,4,5-TP	0.100	0.086	86%	**70-130**
2,4-DB	1.00	0.990	99%	**70-130**

Surrogate Recovery:

Analyte	spk conc	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:			M-BLK	1117-30	1117-31A-D	1117-32A-D	1117-33A-D	1117-34A-D	1117-35A-D
DCAA	0.20	50-150	106%	105%	92%	81%	84%	79%	100%

Analyte	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:	1117-36A-D	1117-37A-D	1117-38A-D	1117-39A-D	1117-40A-D	1117-41A-D	1117-42A-D	1117-43A-D	1117-44A-D
DCAA	92%	123%	111%	107%	98%	71%	111%	117%	129%

Analyte	%REC	%REC	%REC	%REC	%REC
Sample ID:	1117-45A-D	1117-46A-D	1117-47A-D	1117-48A-D	1117-49A-D
DCAA	107%	116%	110%	86%	125%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G1A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-31A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G2A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-32A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G3A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-33A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
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LABORATORY REPORT

CUSTOMER: **BA Environmental**
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Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
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DATE REPORTED:11/24/04

SAMPLE I.D.: **G4A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-34A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

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PROJECT: **The Mesas/ 104229**
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DATE REPORTED:11/24/04

SAMPLE I.D.: **G5A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-35A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

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PROJECT: **The Mesas/ 104229**
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DATE REPORTED: 11/24/04

SAMPLE I.D.: **G6A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-36A/B/C/D (Composite)

~~Organophosphorus Pesticides Analysis~~

Method: EPA 8141A

Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY: _____
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LABORATORY REPORT

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PROJECT: **The Mesas/ 104229**
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SAMPLE I.D.: **G7A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-37A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
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DATE REPORTED:11/24/04

SAMPLE I.D.: **G8A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-38A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	0.049J	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **BA Environmental**
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Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

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DATE REPORTED:11/24/04

SAMPLE I.D.: **G9A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-39A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	0.042J	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G10A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-40A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	0.042J	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G11A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-41A/B/C/D (Composite)

~~Organophosphorus Pesticides Analysis~~

Method: EPA 8141A

Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	0.039J	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX: SOIL
DATE SAMPLED: 11/16/04
REPORT TO: MR. RUSSELL COTE

DATE RECEIVED: 11/17/04
DATE EXTRACTED: 11/18/04
DATE ANALYZED: 11/20-21/04
DATE REPORTED: 11/24/04

SAMPLE I.D.: **G12A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-42A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	0.039J	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G13A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-43A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	0.038J	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G14A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-44A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	0.038J	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G15A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-45A/B/C/D (Composite)

~~Organophosphorus Pesticides Analysis~~

Method: EPA 8141A

Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	0.040	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G16A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-46A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	0.037J	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
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LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G17A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-47A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX: SOIL
DATE SAMPLED: 11/16/04
REPORT TO: MR. RUSSELL COTE

DATE RECEIVED: 11/17/04
DATE EXTRACTED: 11/18/04
DATE ANALYZED: 11/20-21/04
DATE REPORTED: 11/24/04

SAMPLE I.D.: **G18A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-48A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	0.047J	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **G19A/B/C/D-1.0 (Composite)**
LAB I.D.: 041117-49A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	0.043J	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
MDL = MINIMUM DETECTION LIMIT
PQL = PRACTICAL QUANTITATION LIMIT
J = TRACE CONCENTRATION BETWEEN MDL & PQL
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/20-21/04
DATE REPORTED:11/24/04

METHOD BLANK FOR LAB I.D.: 041117-31A/B/C/D (Composite), 041117-32A/B/C/D (Composite), 041117-33A/B/C/D (Composite), 041117-34A/B/C/D (Composite), 041117-35A/B/C/D (Composite), 041117-36A/B/C/D (Composite), 041117-37A/B/C/D (Composite), 041117-38A/B/C/D (Composite), 041117-39A/B/C/D (Composite), 041117-40A/B/C/D (Composite), 041117-41A/B/C/D (Composite), 041117-42A/B/C/D (Composite), 041117-43A/B/C/D (Composite), 041117-44A/B/C/D (Composite), 041117-45A/B/C/D (Composite), 041117-46A/B/C/D (Composite), 041117-47A/B/C/D (Composite), 041117-48A/B/C/D (Composite), 041117-49A/B/C/D (Composite)

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Applied P & CH Laboratories
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
Enviro-Chem, Inc. Laboratories
Attention: Curtis Desilets
1214 E. Lexington Ave.
Pomona CA 91766
Tel: (909)590-5905 Fax: (909)590-5907

Service ID #: 801-045467
Collected by:
Collected on: 11/16/04

Received: 11/17/04
Extracted: 11/18/04
Tested: 11/20-21/04
Reported: 11/24/04

Sample Description: Soil
Project Description:

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result 041117-31A-D comp 04-05467-1	041117-32A-D comp 04-05467-2	041117-33A-D comp 04-05467-3
Organo-phosphorus						
Dilution Factor				1	1	1
Azinphos methyl	8141A	µg/kg	100	ND	ND	ND
Bolstar (Sulprofos)	8141A	µg/kg	50	ND	ND	ND
Chlorpyrifos	8141A	µg/kg	50	ND	ND	ND
Coumaphos	8141A	µg/kg	100	ND	ND	ND
Demeton-O	8141A	µg/kg	50	ND	ND	ND
Demeton-S	8141A	µg/kg	50	ND	ND	ND
Diazinon	8141A	µg/kg	50	ND	ND	ND
Dichlorvos	8141A	µg/kg	50	ND	ND	ND
Disulfoton	8141A	µg/kg	50	ND	ND	ND
Ethoprop	8141A	µg/kg	50	ND	ND	ND
Fensulfothion	8141A	µg/kg	50	ND	ND	ND
Fenthion	8141A	µg/kg	50	ND	ND	ND
Merphos	8141A	µg/kg	50	ND	ND	ND
Methyl Parathion	8141A	µg/kg	50	ND	ND	ND
Mevinphos	8141A	µg/kg	100	ND	ND	ND
Naled	8141A	µg/kg	100	ND	ND	ND
Phorate	8141A	µg/kg	50	ND	ND	ND
Ronnel	8141A	µg/kg	50	ND	ND	ND
Tetrachlorvinphos (Stirophos)	8141A	µg/kg	50	ND	ND	ND
Tokuthion (Prothiofos)	8141A	µg/kg	50	ND	ND	ND
Trichloronate	8141A	µg/kg	50	ND	ND	ND

Applied P & CH Laboratories
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result 041117-34A-D comp 04-05467-4	041117-35A-D comp 04-05467-5	041117-36A-D comp 04-05467-6
Organo-phosphorus						
Dilution Factor				1	1	1
Azinphos methyl	8141A	µg/kg	100	ND	ND	ND
Bolstar (Sulprofos)	8141A	µg/kg	50	ND	ND	ND
Chlorpyrifos	8141A	µg/kg	50	ND	ND	ND
Coumaphos	8141A	µg/kg	100	ND	ND	ND
Demeton-O	8141A	µg/kg	50	ND	ND	ND
Demeton-S	8141A	µg/kg	50	ND	ND	ND
Diazinon	8141A	µg/kg	50	ND	ND	ND
Dichlorvos	8141A	µg/kg	50	ND	ND	ND
Disulfoton	8141A	µg/kg	50	ND	ND	ND
Ethoprop	8141A	µg/kg	50	ND	ND	ND
Fensulfothion	8141A	µg/kg	50	ND	ND	ND
Fenthion	8141A	µg/kg	50	ND	ND	ND
Merphos	8141A	µg/kg	50	ND	ND	ND
Methyl Parathion	8141A	µg/kg	50	ND	ND	ND
Mevinphos	8141A	µg/kg	100	ND	ND	ND
Naled	8141A	µg/kg	100	ND	ND	ND
Phorate	8141A	µg/kg	50	ND	ND	ND
Ronnel	8141A	µg/kg	50	ND	ND	ND
Tetrachlorvinphos (Stirophos)	8141A	µg/kg	50	ND	ND	ND
Tokuthion (Prothiofos)	8141A	µg/kg	50	ND	ND	ND
Trichloronate	8141A	µg/kg	50	ND	ND	ND

Component Analyzed	Method	Unit	PQL	Analysis Result 041117-37A-D comp 04-05467-7	041117-38A-D comp 04-05467-8	041117-39A-D comp 04-05467-9
Organo-phosphorus						
Dilution Factor				1	1	1
Azinphos methyl	8141A	µg/kg	100	ND	ND	ND
Bolstar (Sulprofos)	8141A	µg/kg	50	ND	ND	ND
Chlorpyrifos	8141A	µg/kg	50	ND	ND	ND
Coumaphos	8141A	µg/kg	100	ND	ND	ND
Demeton-O	8141A	µg/kg	50	ND	ND	ND
Demeton-S	8141A	µg/kg	50	ND	ND	ND
Diazinon	8141A	µg/kg	50	ND	ND	ND
Dichlorvos	8141A	µg/kg	50	ND	ND	ND
Disulfoton	8141A	µg/kg	50	ND	ND	ND
Ethoprop	8141A	µg/kg	50	ND	ND	ND
Fensulfothion	8141A	µg/kg	50	ND	49J	42J
Fenthion	8141A	µg/kg	50	ND	ND	ND
Merphos	8141A	µg/kg	50	ND	ND	ND
Methyl Parathion	8141A	µg/kg	50	ND	ND	ND
Mevinphos	8141A	µg/kg	100	ND	ND	ND
Naled	8141A	µg/kg	100	ND	ND	ND
Phorate	8141A	µg/kg	50	ND	ND	ND
Ronnel	8141A	µg/kg	50	ND	ND	ND
Tetrachlorvinphos (Stirophos)	8141A	µg/kg	50	ND	ND	ND
Tokuthion (Prothiofos)	8141A	µg/kg	50	ND	ND	ND
Trichloronate	8141A	µg/kg	50	ND	ND	ND

Applied P & CH Laboratories
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result 041117-40A-D comp 04-05467-10	041117-41A-D comp 04-05467-11	041117-42A-D comp 04-05467-12
Organo-phosphorus						
Dilution Factor				1	1	1
Azinphos methyl	8141A	µg/kg	100	ND	ND	ND
Bolstar (Sulprofos)	8141A	µg/kg	50	ND	ND	ND
Chlorpyrifos	8141A	µg/kg	50	ND	ND	ND
Coumaphos	8141A	µg/kg	100	ND	ND	ND
Demeton-O	8141A	µg/kg	50	ND	ND	ND
Demeton-S	8141A	µg/kg	50	ND	ND	ND
Diazinon	8141A	µg/kg	50	ND	ND	ND
Dichlorvos	8141A	µg/kg	50	ND	ND	ND
Disulfoton	8141A	µg/kg	50	ND	ND	ND
Ethoprop	8141A	µg/kg	50	ND	ND	ND
Fensulfothion	8141A	µg/kg	50	42J	39J	39J
Fenthion	8141A	µg/kg	50	ND	ND	ND
Merphos	8141A	µg/kg	50	ND	ND	ND
Methyl Parathion	8141A	µg/kg	50	ND	ND	ND
Mevinphos	8141A	µg/kg	100	ND	ND	ND
Naled	8141A	µg/kg	100	ND	ND	ND
Phorate	8141A	µg/kg	50	ND	ND	ND
Ronnel	8141A	µg/kg	50	ND	ND	ND
Tetrachlorvinphos (Stirophos)	8141A	µg/kg	50	ND	ND	ND
Tokuthion (Prothiofos)	8141A	µg/kg	50	ND	ND	ND
Trichloronate	8141A	µg/kg	50	ND	ND	ND

Component Analyzed	Method	Unit	PQL	Analysis Result 041117-43A-D comp 04-05467-13	041117-44A-D comp 04-05467-14	041117-45A-D comp 04-05467-15
Organo-phosphorus						
Dilution Factor				1	1	1
Azinphos methyl	8141A	µg/kg	100	ND	ND	ND
Bolstar (Sulprofos)	8141A	µg/kg	50	ND	ND	ND
Chlorpyrifos	8141A	µg/kg	50	ND	ND	ND
Coumaphos	8141A	µg/kg	100	ND	ND	ND
Demeton-O	8141A	µg/kg	50	ND	ND	ND
Demeton-S	8141A	µg/kg	50	ND	ND	ND
Diazinon	8141A	µg/kg	50	ND	ND	ND
Dichlorvos	8141A	µg/kg	50	ND	ND	ND
Disulfoton	8141A	µg/kg	50	ND	ND	ND
Ethoprop	8141A	µg/kg	50	ND	ND	ND
Fensulfothion	8141A	µg/kg	50	38J	38J	40J
Fenthion	8141A	µg/kg	50	ND	ND	ND
Merphos	8141A	µg/kg	50	ND	ND	ND
Methyl Parathion	8141A	µg/kg	50	ND	ND	ND
Mevinphos	8141A	µg/kg	100	ND	ND	ND
Naled	8141A	µg/kg	100	ND	ND	ND
Phorate	8141A	µg/kg	50	ND	ND	ND
Ronnel	8141A	µg/kg	50	ND	ND	ND
Tetrachlorvinphos (Stirophos)	8141A	µg/kg	50	ND	ND	ND
Tokuthion (Prothiofos)	8141A	µg/kg	50	ND	ND	ND
Trichloronate	8141A	µg/kg	50	ND	ND	ND

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APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result 041117-46A-D comp 04-05467-16	Analysis Result 041117-47A-D comp 04-05467-17
Organo-phosphorus					
Dilution Factor				1	1
Azinphos methyl	8141A	µg/kg	100	ND	ND
Bolstar (Sulprofos)	8141A	µg/kg	50	ND	ND
Chlorpyrifos	8141A	µg/kg	50	ND	ND
Coumaphos	8141A	µg/kg	100	ND	ND
Demeton-O	8141A	µg/kg	50	ND	ND
Demeton-S	8141A	µg/kg	50	ND	ND
Diazinon	8141A	µg/kg	50	ND	ND
Dichlorvos	8141A	µg/kg	50	ND	ND
Disulfoton	8141A	µg/kg	50	ND	ND
Ethoprop	8141A	µg/kg	50	ND	ND
Fensulfothion	8141A	µg/kg	50	37J	ND
Fenthion	8141A	µg/kg	50	ND	ND
Merphos	8141A	µg/kg	50	ND	ND
Methyl Parathion	8141A	µg/kg	50	ND	ND
Mevinphos	8141A	µg/kg	100	ND	ND
Naled	8141A	µg/kg	100	ND	ND
Phorate	8141A	µg/kg	50	ND	ND
Ronnel	8141A	µg/kg	50	ND	ND
Tetrachlorvinphos (Stirophos)	8141A	µg/kg	50	ND	ND
Tokuthion (Prothiofos)	8141A	µg/kg	50	ND	ND
Trichloronate	8141A	µg/kg	50	ND	ND

Component Analyzed	Method	Unit	PQL	Analysis Result 041117-48A-D comp 04-05467-18	Analysis Result 041117-49A-D comp 04-05467-19
Organo-phosphorus					
Dilution Factor				1	1
Azinphos methyl	8141A	µg/kg	100	ND	ND
Bolstar (Sulprofos)	8141A	µg/kg	50	ND	ND
Chlorpyrifos	8141A	µg/kg	50	ND	ND
Coumaphos	8141A	µg/kg	100	ND	ND
Demeton-O	8141A	µg/kg	50	ND	ND
Demeton-S	8141A	µg/kg	50	ND	ND
Diazinon	8141A	µg/kg	50	ND	ND
Dichlorvos	8141A	µg/kg	50	ND	ND
Disulfoton	8141A	µg/kg	50	ND	ND
Ethoprop	8141A	µg/kg	50	ND	ND

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Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Component Analyzed	Method	Unit	PQL	Analysis Result 041117-48A-D comp 04-05467-18	Analysis Result 041117-49A-D comp 04-05467-19
Fensulfothion	8141A	µg/kg	50	47J	43J
Fenthion	8141A	µg/kg	50	ND	ND
Merphos	8141A	µg/kg	50	ND	ND
Methyl Parathion	8141A	µg/kg	50	ND	ND
Mevinphos	8141A	µg/kg	100	ND	ND
Naled	8141A	µg/kg	100	ND	ND
Phorate	8141A	µg/kg	50	ND	ND
Ronnel	8141A	µg/kg	50	ND	ND
Tetrachlorvinphos (Stirophos)	8141A	µg/kg	50	ND	ND
Tokuthion (Prothiofos)	8141A	µg/kg	50	ND	ND
Trichloronate	8141A	µg/kg	50	ND	ND

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,

Dominic Cau
Laboratory Director
Applied P & CH Laboratories

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8081	8141	8151	Misc.	COMMENTS
				Analysis Required								
G1A-1.0	041117-31A	11-16-04		Soil	1 x 4oz		ICE	X	X	X		
G1B-1.0	-31B							X	X	X		Composite Samples (G1)
G1C-1.0	-31C							X	X	X		
G1D-1.0	-31D							X	X	X		
G2A-1.0	-32A							X	X	X		
G2B-1.0	-32B							X	X	X		Composite Samples (G2)
G2C-1.0	-32C							X	X	X		
G2D-1.0	-32D							X	X	X		
G3A-1.0	-33A							X	X	X		
G3B-1.0	-33B							X	X	X		Composite Samples (G3)
G3C-1.0	-33C							X	X	X		
G3D-1.0	-33D							X	X	X		

Company Name: Building Analytics
Address: 528 State St.
City/State/Zip: Glendale CA 91203

Project Contact: Russell Cote
Tel: (818) 500-1895
Fax: (818) 246-8155

Sampler's Signature: Russell Cote
Project Name/ID: 104229 The Mesas

Relinquished by: Russell Cote	Received by: Aileen	Date & Time: 11/17/04 1100
Relinquished by:	Received by:	Date & Time: 11/17/041345
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Enviro-Ch[illegible], Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8081	8141	8151							COMMENTS
				Analysis Required													
G4A-1.0	04117-34A	11-16-04		Soil	1		ICE	X	X	X							Composite Samples (G4)
G4B-1.0	-34B							X	X	X							
G4C-1.0	-34C							X	X	X							
G4D-1.0	-34D							X	X	X							
G5A-1.0	-35A							X	X	X							Composite Samples (G5)
G5B-1.0	-35B							X	X	X							
G5C-1.0	-35C							X	X	X							
G5D-1.0	-35D							X	X	X							
G6A-1.0	-36A							X	X	X							Composite Samples (G6)
G6B-1.0	-36B							X	X	X							
G6C-1.0	-36C							X	X	X							
G6D-1.0	-36D							X	X	X							

Company Name: Building Analytics
Address: 528 State St.
City/State/Zip: Glendale CA 91203

Project Contact: Russell Cote
Tel: (818) 500-1598
Fax: (818) 246-8195

Sampler's Signature: Russell Cote
Project Name/ID: 101229 The Mesas

Relinquished by: Russell Cote	Received by: [illegible]	Date & Time: 11/17/04 1100
Relinquished by: [illegible]	Received by: [illegible]	Date & Time: 11/17/04 1345
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Date:

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8081	8141	8151	Misc.	COMMENTS
				Analysis Required								
G7A-1.0	041117 -37A	11-16-04		Soil	1		ICE	X	X	X		
G7B-1.0	-37B							X	X	X		Composite Samples (G7)
G7C-1.0	-37C							X	X	X		
G7D-1.0	-37D							X	X	X		
G8A-1.0	-38A							X	X	X		
G8B-1.0	-38B							X	X	X		Composite Samples (G8)
G8C-1.0	-38C							X	X	X		
G8D-1.0	-38D							X	X	X		
G9A-1.0	-39A							X	X	X		
G9B-1.0	-39B							X	X	X		Composite Samples (G9)
G9C-1.0	-39C							X	X	X		
G9D-1.0	-39D							X	X	X		

Company Name: Building Analytics
Address: 528 Stocker St.
City/State/Zip: Glendale CA 91203

Project Contact: Russell Cote
Tel: (818) 500-1595
Fax: (818) 246-8195

Sampler's Signature: Russell Cote
Project Name/ID: 104229 The Mesas

Relinquished by: Russell Cote
Relinquished by:
Relinquished by:

Received by: Kileen
Received by:
Received by:

Date & Time: 11/17/04 1100
Date & Time: 11/17/04 1345
Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Enviro-Chem, Inc. Laboratories
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Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8081	8141	8151							COMMENTS
				Analysis Required													
G10A-1.0	041117-40A	11-16-04		Soil	1		ICE	X	X	X							Composite Samples (G10)
G10B-1.0	-40B							X	X	X							
G10C-1.0	-40C							X	X	X							
G10D-1.0	-40D							X	X	X							
G11A-1.0	-41A							X	X	X							Composite Samples (G11)
G11B-1.0	-41B							X	X	X							
G11C-1.0	-41C							X	X	X							
G11D-1.0	-41D							X	X	X							
G12A-1.0	-42A							X	X	X							Composite Samples (G12)
G12B-1.0	-42B							X	X	X							
G12C-1.0	-42C							X	X	X							
G12D-1.0	-42D							X	X	X							

Company Name: Building Analytics
Address: 528 State St.
City/State/Zip: Glendale CA 91203

Project Contact: Russell Cote
Tel: (818) 500-1888
Fax: (818) 246-8495

Sampler's Signature: Russell Cote
Project Name/ID: 104 224 The Mews

Relinquished by: Russell Cote	Received by:	Date & Time: 11/17/04 1100	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 11/17/04 1345	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8081	8141	8151	Misc.	COMMENTS
				Analysis Required								
G13A-1.0	041117-43A	11-16-04		Soil	1		Ice	X	X	X		Composite Samples (G13)
G13B-1.0	-43B							X	X	X		
G13C-1.0	-43C							X	X	X		
G13D-1.0	-43D							X	X	X		
G14A-1.0	-44A							X	X	X		Composite Samples (G14)
G14B-1.0	-44B							X	X	X		
G14C-1.0	-44C							X	X	X		
G14D-1.0	-44D							X	X	X		
G15A-1.0	-45A							X	X	X		Composite Samples (G15)
G15B-1.0	-45B							X	X	X		
G15C-1.0	-45C							X	X	X		
G15D-1.0	-45D							X	X	X		

Company Name: Building Analytics
Address: 525 State St.
City/State/Zip: Glendale CA 91203

Project Contact: Russell Cote
Tel: (818) 500-1595
Fax: (818) 246-8155

Sampler's Signature: Russell Cote
Project Name/ID: 104.24 The Mesas

Relinquished by: Russell Cote	Received by:	Date & Time: 11/17/04 1100	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 11/17/04 1345	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Enviro-Che..., Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8021	8141	5151								COMMENTS
				Analysis Required														
G16A-1.0	041117-46A	11-16-04		Soil	1		ICE	X	X	X								Composite Samples (G16)
G16B-1.0	-46B							X	X	X								
G16C-1.0	-46C							X	X	X								
G16D-1.0	-46D							X	X	X								
G17A-1.0	-47A							X	X	X								Composite Samples (G17)
G17B-1.0	-47B							X	X	X								
G17C-1.0	-47C							X	X	X								
G17D-1.0	-47D							X	X	X								
G18A-1.0	-48A							X	X	X								Composite Samples (G18)
G18B-1.0	-48B							X	X	X								
G18C-1.0	-48C							X	X	X								
G18D-1.0	-48D							X	X	X								

Company Name: Building Analytics
Address: 528 State St.
City/State/Zip: Glendale, CA 91203

Project Contact: Russell Cole
Tel: (818) 500-1598
Fax: (818) 246-8195

Sampler's Signature: Russell Cole
Project Name/ID: 104229 The Mesas

Relinquished by: Russell Cole	Received by: [illegible]	Date & Time: 11/17/04 1100
Relinquished by:	Received by:	Date & Time: 11/17/04 1345
Relinquished by:	Received by:	Date & Time:

Instructions for Sample Storage After Analysis:
O Dispose of O Return to Client O Store (30 Days)
O Other:

CHAIN OF CUSTODY RECORD

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
0 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8081	8141	8151	Misc.	COMMENTS
				Analysis Required								
G19A-1.0	04117-49A	11-16-04		Soil	1		ICE	X	X	X		
G19B-1.0	-49B	↓		↓	↓		↓	X	X	X		Composite Sample (G19)
G19C-1.0	-49C							X	X	X		
G19D-1.0	-49D							X	X	X		

Company Name: Building Analytics
Address: 528 State St
City/State/Zip: Glendale CA 91203

Project Contact: Russell Cole
Tel: (818) 500-1894
Fax: (818) 246-8195

Sampler's Signature: Russell Cole
Project Name/ID: 104229 The Mesa

Relinquished by: Russell Cole	Received by:	Date & Time: 11/17/04 1100	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 11/17/04 1345	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

DEC - 2 2004

Date: November 24, 2004

Mr. Russell Cote
BA Environmental
528 State Street
Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

Project: **The Mesas / 104229**

Dear Mr. Cote:

The analytical results for the soil sample, received by our laboratory on November 17, 2004, are attached.

Enviro-Chem appreciates the opportunity to provide you and your company this and other services. Please do not hesitate to call us if you have any questions.

Sincerely,

Curtis Desilets
Vice President/Program Manager

Jesse Tu, Ph.D.
Laboratory Manager

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/18/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **R1-1.0**
LAB I.D.: 041117-30

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/18/04
DATE REPORTED:11/24/04

METHOD BLANK FOR LAB I.D.: 041117-30

Organochlorine Pesticides Analysis
Method: EPA 8081A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL(X1)
Aldrin	ND	0.001
alpha-BHC	ND	0.001
beta-BHC	ND	0.001
gamma-BHC (Lindane)	ND	0.001
delta-BHC	ND	0.001
alpha-Chlordane	ND	0.001
gamma-Chlordane	ND	0.001
4,4'-DDD	ND	0.001
4,4'-DDE	ND	0.001
4,4'-DDT	ND	0.001
Dieldrin	ND	0.001
Endosulfan I	ND	0.001
Endosulfan II	ND	0.001
Endosulfan Sulfate	ND	0.001
Endrin	ND	0.001
Endrin Aldehyde	ND	0.001
Endrin Ketone	ND	0.001
Heptachlor Epoxide	ND	0.001
Heptachlor	ND	0.001
Methoxyclor	ND	0.001
Toxaphene	ND	0.200

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

EPA 8081 QA/QC Report

Matrix: **Soil** Date Analyzed: **11/18-11/19/2004**

Unit: mg/Kg

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 041117-37 A-D Comp

Analyte	S.R.	spk conc	MS	%REC	MSD	%REC	%RPD	ACP %RPD	ACP %REC
Gamma-BHC	0.000	0.050	0.0443	**89%**	0.0445	**89%**	**0%**	**0-20%**	**70-130**
Aldrin	0.000	0.050	0.0402	**80%**	0.0428	**86%**	**6%**	**0-20%**	**70-130**
4,4-DDE	0.000	0.050	0.0640	**128%**	0.0638	**128%**	**0%**	**0-20%**	**70-130**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
Gamma-BHC	0.0050	0.00515	**103%**	**75-125**
Aldrin	0.0050	0.00486	**97%**	**75-125**
4,4-DDE	0.0050	0.00526	**105%**	**75-125**
Dieldrin	0.0050	0.00499	**100%**	**75-125**

Surrogate Recovery	ACP%	%REC	%REC	%REC	%REC	%REC	%REC	%R
Sample I.D.		MB	1117-30	1117-31A-D	1117-32A-D	1117-33A-D	1117-34A-D	1117-35A-D
Tetra-chloro-meta-xylene	50-150	83%	91%	88%	92%	101%	84%	96%
Decachlorobipneyl	50-150	96%	126%	101%	97%	125%	94%	100%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	1117-36A-D	1117-37A-D	1117-38A-D	1117-39A-D	1117-40A-D	1117-41A-D	1117-42A-D	1117-43A-D
Tetra-chloro-meta-xylene	101%	110%	106%	88%	107%	97%	89%	90%
Decachlorobipneyl	118%	118%	115%	102%	105%	98%	80%	88%

Surrogate Recovery	%REC	%REC	%REC	%REC	%REC	%REC
Sample I.D.	1117-44A-D	1117-45A-D	1117-46A-D	1117-47A-D	1117-48A-D	1117-49A-D
Tetra-chloro-meta-xylene	96%	87%	103%	80%	89%	99%
Decachlorobipneyl	95%	79%	103%	72%	80%	96%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

* = *Surrogate fail due to matrix interference (If Marked)*

Note: *LCS, MS, MSD are in control therefore results are in control.*

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX: SOIL
DATE SAMPLED: 11/16/04
REPORT TO: MR. RUSSELL COTE

DATE RECEIVED: 11/17/04
DATE EXTRACTED: 11/18-19/04
DATE ANALYZED: 11/20/04
DATE REPORTED: 11/24/04

SAMPLE I.D.: **R1-1.0**
LAB I.D.: 041117-30

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY: _____
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18-19/04
DATE ANALYZED:11/20/04
DATE REPORTED:11/24/04

METHOD BLANK FOR LAB I.D.: 041117-30

Chlorinated Herbicides Analysis
Method: EPA 8151A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL (X1)
2,4,5-T	ND	0.020
2,4,5-TP (Silvex)	ND	0.020
2,4-D	ND	0.200
2,4-DB	ND	0.200
Dalapon (Dichloroacetic Acid)	ND	0.500
Dicamba	ND	0.020
Dichloroprop	ND	0.200
Dinoseb (DNBP)	ND	0.100
MCPA	ND	20.0
MCPP	ND	20.0

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro-Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909)590-5905 Fax (909)590-5907

QA/QC Report
Analysis: EPA 8151A

Matrix: **SOIL** Date Analyzed: **11/20-11/21/2004**

Unit: **mg/Kg (PPM)**

Matrix Spike (MS)/Matrix Spike Duplicate (MSD)

Spiked Sample Lab I.D.: 041117-30

Analyte	S.R.	spk conc	MS	% REC	MSD	% REC	%RPD	ACP %RPD	ACP %REC
2,4,5-T	0	1.00	0.709	**71%**	0.704	**70%**	**1%**	**0-20%**	**50-150**

Lab Control Spike (LCS) Recovery:

Analyte	spk conc	LCS	% REC	ACP %REC
2,4,5-T	0.100	0.091	91%	**70-130**
2,4,5-TP	0.100	0.086	86%	**70-130**
2,4-DB	1.00	0.990	99%	**70-130**

Surrogate Recovery:

Analyte	spk conc	ACP %	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:			M-BLK	1117-30	1117-31A-D	1117-32A-D	1117-33A-D	1117-34A-D	1117-35A-D
DCAA	0.20	50-150	106%	105%	92%	81%	84%	79%	100%

Analyte	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC	%REC
Sample ID:	1117-36A-D	1117-37A-D	1117-38A-D	1117-39A-D	1117-40A-D	1117-41A-D	1117-42A-D	1117-43A-D	1117-44A-D
DCAA	92%	123%	111%	107%	98%	71%	111%	117%	129%

Analyte	%REC	%REC	%REC	%REC	%REC
Sample ID:	1117-45A-D	1117-46A-D	1117-47A-D	1117-48A-D	1117-49A-D
DCAA	107%	116%	110%	86%	125%

S.R. = Sample Result

spk conc = Spike Concentration

%REC = Percent Recovery

ACP %RPD = Acceptable Percent RPD Range

ACP %REC = Acceptable Percent Recovery Range

Analyzed and Reviewed By: _____

Final Reviewer: _____

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/21/04
DATE REPORTED:11/24/04

SAMPLE I.D.: **R1-1.0**
LAB I.D.: 041117-30

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Enviro – Chem, Inc.
1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

METHOD BLANK REPORT

CUSTOMER: **BA Environmental**
528 State Street, Glendale, CA 91203
Tel(818)500-1898 Fax(818)246-8195

PROJECT: **The Mesas/ 104229**
MATRIX:SOIL
DATE SAMPLED:11/16/04
REPORT TO:MR. RUSSELL COTE

DATE RECEIVED:11/17/04
DATE EXTRACTED:11/18/04
DATE ANALYZED:11/21/04
DATE REPORTED:11/24/04

METHOD BLANK FOR LAB I.D.: 041117-30

Organophosphorus Pesticides Analysis
Method: EPA 8141A
Unit: Mg/Kg = Milligram Per Kilogram = PPM

PARAMETER	SAMPLE RESULT	PQL
Azinphos Methyl	ND	0.10
Bolstar (Sulprofos)	ND	0.05
Chlorpyrifos	ND	0.05
Coumaphos	ND	0.10
Demeton-O	ND	0.05
Demeton-S	ND	0.05
Diazinon	ND	0.05
Dichlorvos	ND	0.05
Disulfoton	ND	0.05
Ethoprop	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Merphos	ND	0.05
Methyl Parathion	ND	0.05
Mevinphos	ND	0.10
Naled	ND	0.10
Phorate	ND	0.05
Ronnel	ND	0.05
Tetrachlorvinphos (Stirophos)	ND	0.05
Tokuthion (Prothiofos)	ND	0.05
Trichloronate	ND	0.05

COMMENTS:
PQL = PRACTICAL QUANTITATION LIMIT
ND = NON-DETECTED OR BELOW THE PQL
ANALYSIS PERFORMED BY APCL LABS, CHINO, CA

DATA REVIEWED AND APPROVED BY:
CAL-DHS ELAP CERTIFICATE No.: 1555

Applied P & CH Laboratories
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
Enviro-Chem, Inc. Laboratories
Attention: Curtis Desilets
1214 E. Lexington Ave.
Pomona CA 91766
Tel: (909)590-5905 Fax: (909)590-5907

Service ID #: 801-045468
Collected by:
Collected on: 11/16/04

Received: 11/17/04
Extracted: 11/18/04
Tested: 11/21/04
Reported: 11/24/04

Sample Description: Soil
Project Description:

Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result 041117-30 04-05468-1
Organo-phosphorus				
Dilution Factor				1
Azinphos methyl	8141A	µg/kg	100	ND
Bolstar (Sulprofos)	8141A	µg/kg	50	ND
Chlorpyrifos	8141A	µg/kg	50	ND
Coumaphos	8141A	µg/kg	100	ND
Demeton-O	8141A	µg/kg	50	ND
Demeton-S	8141A	µg/kg	50	ND
Diazinon	8141A	µg/kg	50	ND
Dichlorvos	8141A	µg/kg	50	ND
Disulfoton	8141A	µg/kg	50	ND
Ethoprop	8141A	µg/kg	50	ND
Fensulfothion	8141A	µg/kg	50	37J
Fenthion	8141A	µg/kg	50	ND
Merphos	8141A	µg/kg	50	ND
Methyl Parathion	8141A	µg/kg	50	ND
Mevinphos	8141A	µg/kg	100	ND
Naled	8141A	µg/kg	100	ND
Phorate	8141A	µg/kg	50	ND
Ronnel	8141A	µg/kg	50	ND
Tetrachlorvinphos (Stirophos)	8141A	µg/kg	50	ND
Tokuthion (Prothiofos)	8141A	µg/kg	50	ND
Trichloronate	8141A	µg/kg	50	ND

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,

Dominic Hau
Laboratory Director
Applied P & CH Laboratories

Enviro-Chem, Inc. Laboratories
1214 E. Lexington Avenue,
Pomona, CA 91766
Tel: (909) 590-5905 Fax: (909) 590-5907
CA-DHS ELAP CERTIFICATE # 1555

Turnaround Time
0 Same Day
0 24 Hours
0 48 Hours
0 72 Hours
X 1 Week (Standard)
Other:

SAMPLE ID	LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	No. OF CONTAINERS	TEMPERATURE	PRESERVATION	8081	8141	8151						COMMENTS
								Analysis Required								
R1-1.0	041117-30	11-6-04		SOIL	1	4°C	ICE	X	X	X						

Company Name: Building Analytics
Address: 528 State St
City/State/Zip: Glendale CA 91203

Project Contact: Russell Cole
Tel: (818) 500-1858
Fax: (818) 246-6195

Sampler's Signature: Russell Cole
Project Name/ID: 104224 The Mesas

Relinquished by: Russell Cole	Received by:	Date & Time: 11/17/04 1100	Instructions for Sample Storage After Analysis:
Relinquished by:	Received by:	Date & Time: 11/17/04 1345	O Dispose of O Return to Client O Store (30 Days)
Relinquished by:	Received by:	Date & Time:	O Other:

CHAIN OF CUSTODY RECORD

APPENDIX E:

Oil Well Closure Reports

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California

August 23, 1988

C. G. Lyons, Agent
Exxon Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

Your report of abandonment of well "Newhall Land & Farming 12" 2
(Name and number)
A.P.I. No. 037-16535, Section 13, T. 4N, R. 17W, S.B. B. & M.,
Castaic Junction field, Los Angeles County,
dated 8-12-88, received 8-16-88, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.

b

MAP	MAP BOOK	CARDS	BOND	EDP	FORMS 114	FORMS 128
253			55	✓	—	✓

M. G. MEFFERD
State Oil and Gas Supervisor

By Patrick J. Kinnear
Deputy Supervisor

Patrick J. Kinnear

OPERATOR Elton Corp.
WELL NO. "HF" 12" 2
MAP

INTENTION	Abd					
NOTICE DATED	2-8-88					
P-REPORT NUMBER	288-68					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEE
NOTICE	2-1-88											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.						
DRILL CARD						

RECORD'S COMPLETE _____ _____ _____ _____ _____ _____

FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

INJECTION BOOK _____
IDLE WELL LIST _____
SURFACE INSP. CARD _____
OK TO RELEASE FROM CONFIDENTIAL _____

REMARKS: _____

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

ORIGINAL
DIVISION OF OIL AND GAS
RECEIVED
AUG 16 1988
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming 12-2 Sec. 13, T 4N, R 17W S.B. B. & M.
A.P.I. No. 037-16535 Name Myron E. Fedak (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date August 12, 1988

Signature Myron E. Fedak

P. O. Box 5025, Thousand Oaks, CA 91359 (Address) 805-494-2605 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

5-09-88 Moved in and rigged up. Buried 4 marsh anchors. Removed tree, found no tubing in well. Installed and tested BOP. Built floor, changed 2-7/8" rams to 2 3/8" rams. Built pipe rack. H & H hauled 430 joints 2-3/8" EU 8rd N-80 tubing to rack. Measured and picked up 5400' tubing. Closed in well, shut down for night.

5-10-88 Finished measuring and picking up 2-3/8" tubing; tubing tail at 13,272'. Rigged up B. J. Hughes. Reversed bottoms up, mixed and pumped 84 sacks cement. Pulled 16 doubles. Rigged and backscuttled well clean. Mixed and pumped 183 sacks cement with tubing tail at 11,317'. Rigged down B. J. Hughes. Pulled 30 doubles with tubing tail at 10,484'. Rigged up B. J. Hughes. Backscuttled 70 bbls lease brine. No cement returns. Closed in well, shut down for night.

5-11-88 Checked cement sample for hardness. Ran tubing, tagged cement plug in 7" casing at 11,351'. Rigged up B. J. Hughes. Changed over to 9.6 ppg mud (391 bbls). Rigged out B. J. Hughes. Rigged and pulled tubing, laid down in singles. Installed tubing protectors and doped each joint. Stood back 15 doubles; tubing tail at 903.34'. Laid down 2-3/8" EU 8rd tubing. Ran kill string. Closed in well, shut down for night.

5-12-88 Pulled kill string. Rigged Tiger Wireline, shot cavity at 920'. Ran 15 doubles with tubing tail in 11 3/4" casing at 903'. Rigged B. J. Hughes, circulated well. Communication through surface pipe. Rigged and pumped 20

bbls cement. Rigged and pulled tubing. Pumped 15 bbls lease brine down casing. Closed in well, shut down for night.

5-13-88 Ran tubing, tagged cement plug at 484.50'. Pulled and laid down 30 singles 2-3/8" tubing. Rigged Tiger Wireline, shot 4 hole cavity shot at 65'. Rigged B. J. Hughes, circulated. Mixed and pumped 80 sacks cement; top plug to surface. Loaded out tools, removed BOP. Rigged down, removed 4 marsh anchors and moved out.

5-14-88
through
5-31-88 No well work.

6-01-88 Finished removing flowlines and cleaned location. DOG approved final surface abandonment.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 288-208

DIVISION OF OIL AND GAS

Report on Operations

G.C. Lyons
Exxon Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, Calif.
July 12, 1988

Your operations at well "Newhall Land & Farming 12" 2, API No. 037-16535, Sec. 13, T.4N, R.17W, S.B.B.& M. Castaic Junction Field, in Los Angeles County, were witnessed on 5-11-88. Ms. Ceccarelli, representative of the supervisor, was present from 0700 to 0810. There were also present Marion Blair - Exxon Rep & Leonard Hunt - CPS Rep.

Present condition of well: 20" cem 71'; 11 3/4" cem 1927'; 7" cem 12,302, cavity shot @ 920' + 55'; 5" Ld 11,564' - 13,466', perfs 13,370' - 13,460'. TD (present hole) 13,800'. Plugged w/cem 13,272' - 11,351', 903' - 484' & 65' - 5'.

The operations were performed for the purpose of abandonment

DECISION:

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

PC:bg

M. G. MEFFERD

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 288-68

126 (field code)
-- (area code)
-- (new pool code)
30 (old pool code)

PERMIT TO CONDUCT WELL OPERATIONS

WATERFLOOD

C. G. Lyons, Agent
EXXON CORPORATION
P.O. Box 5025
Thousand Oaks, CA 91359

Ventura, California
February 17, 1988

Your proposal to abandon well "Newhall Land & Farming 12" 2, A.P.I. No. 037-16535, Section 13, T. 4N, R. 17W, S.B. B. & M., Castaic Junction field, any area, no breakdown pool, Los Angeles County, dated 2/8/88, received 2/11/88 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Mud fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
2. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
3. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu.ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq.ft.
4. The well shall be plugged with cement from 920' to 820'.
5. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. TO WITNESS the location and hardness of the cement plug at 11,464' or above.
   b. TO WITNESS the mudding of the well.
   c. TO WITNESS the location and hardness of the cement plug at 820' or above.
   d. TO WITNESS the placing of the surface plug inside the 7" casing and the plug in the 11 3/4" and 7" casing annulus or to verify their loaction.
   e. TO INSPECT and approve the cleanup of the well site before approval of abandonment will be issued.

NOTE: THE BASE OF THE FRESH WATER IS LOCATED APPROXIMATELY AT 920'.

MS:ljg

Engineer Michael Stettner

Phone (805) 654-4761

M. G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinney
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

Ventura

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	93	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. "Newhall Land & Farming 12-2", API No. 032-16535,

Sec. 13, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19____.

The present condition of the well is:

1. Total depth:
   Orig. hole: 13,576'
   Redrill No. 1: 11,735'
   Redrill No. 2: 12,615'
   Redrill No. 3: 13,800'
2. Complete casing record, including plugs and perforations:

20" @ 71'
11-3/4", 60 ppf @ 1927'
7", 26 & 29 ppf @ 12,302'
5" liner hung from 11,564' to 13,466'
Perforations at 13,370' to 13,460'

3. Last produced ____ (Date) ____ (Oil, B/D) ____ (Gas, Mcf/D) ____ (Water, B/D)

or

4. Last injected 2/63 (Date) 167 (Water, B/D) - (Gas, Mcf/D) 3500 (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

FEB 11 1988

VENTURA, CALIFORNIA

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: _____

The proposed work is as follows:

1. MI & R/U rig.
2. N/D x-mas tree & N/U BOPs. Test same.
3. Attempt to pull tubing out of packer.
   A. If successful, clean out well to 13,272'. Spot a balanced cement plug from 11,400' to 13,272'.
   B. If unsuccessful, R/U ELU and run free point. Cut tubing at free point. Spot a 500' balanced cement plug above top of fish.
4. Tag and test top of cement plug.
5. Circulate mud in the well.
6. R/U ELU and perforate hole in 7" casing at 1900' +/-. Circulate a balanced cement plug from 1700' to 1900' in the 7" casing and in the 7" x 11-3/4" casing annulus.
7. Spot a balanced cement plug in the 7" casing from 5' to 50'.
8. Cut the 11-3/4" and 7" casing 5' below ground level. Weld a plate over same.
9. R/D rig. Break up cellar location and clean same.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Drive (Street)

Thousand Oaks (City) California (State) 91360 (Zip)

Telephone Number (805) 494-2419 (Area Code) (Number)

Exxon Company, U.S.A. (Name of Operator)

By T.R. Watt (Signature) 2/8/88 (Date)

Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

OG108 (8-75—GSRI—15M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

September 21, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 58, A.P.I. No. 037-16521, Section 13, T. 4N, R. 17W, S.B. B.& M., Castaic Junction field, Los Angeles County, dated 11-11-93, received 11-29-93, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

svl

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

cc: Conservation Committee
Update

Modified OG159 (4/94)

OPERATOR EXXON Corp
WELL NO. "N.L.&F." 58
MAP

A.P.I. 037- 16521
SECTION 13, T. 4 N, R. 17 W

INTENTION	ABANDON					
NOTICE DATED	6-30-93					
P-REPORT NUMBER	293-219					
CHECKED BY/DATE						
MAP LETTER DATED	6-[illegible] SPK					
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEE
NOTICE	7-7-93											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	[illegible]					
DRILL CARD						

RECORD'S COMPLETE 2/28/94 FMN

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
NOV 2 • 19

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Company 58, Sec. 13, T 4N, R 17W, S.B. B. & M.
A.P.I. No. 037-16521 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assist (President, Secretary or Agent)
Date November 11, 19 93

Signature

Environmental & Regulatory Affairs, PO Box 1600, Midland, TX 79702 915/688/7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
10/26/93	Move in rig up. Spot all equipment, rig, pump 4 Baker tanks and pump manifold.
10/27/93	Rig up all equipment. Open well, 750 psi tubing, 50 psi casing. Killed well by pumping 20 barrels down tubing. Rig up Archer wireline. Set tubing plug @ 310 ft. Remove tree (had 2 broken bolts). Install and test BOP. Rig up slickline. Pull plug. Change well over to lease water. Work stuck packer. Secure well.
10/28/93	Open well (150 psi casing and tubing). Circulated bottoms up. Worked stuck packer loose. Pulled and measured 60 stands. Packer dragging. Secure well.
10/29/93	Open well. Break circulation, pull and measure all tubing. Packer drags all the way out. Found outside wash on tubing joint at 12,040 ft. Layed down all gas lift equipment. Ran 2,000 ft kill string. Secure well. (Will increase bottom hole cement by 200 ft linear.)
11/01/93	Open well (50 psi casing and tubing). Circulate bottoms up with lease water. Hauled in 50 joints of 2-7/8 tubing. Ran tubing to 12,550 ft. Attempt to circulate out. Could not go deeper. Called Div of Oil and Gas. DOG, Pat Kinear, gave approval to cement bottom plug from 12,500 ft up. Pulled 20 stands. Secure well.

11/02/93 Open well. Ran 12,530 ft. Rig up Halliburton, test lines. Mix and pump 31 sacks cement, blended with 40% SSA-L, .8% CFR-3 and .5% HR7 50 cubic feet total displaced with 6 barrels lease water. Pulled to 11,786 ft. Reversed around twice, 144 barrels. Pulled to 11,466. Secured well. Calculated top of cement 12,150 ft.

11/03/93 Open well, run tubing. Tag cement at 12,282 ft. Set tubing at 12,252. Rig up Halliburton. Test lines. Pump 5 barrels fresh water ahead. Mix and pump 39 sacks = 62 cubic feet blended with 40% SSA-L, .8% CFR-3 and .5% HR-7. Displaced with 67 barrels. Pulled to 11,508 ft. Reversed twice. Pulled to 11,718 ft. Secure well. Calculated top of cement 11,782 ft.

11/04/93 Open well. Ran in hole, tag cement at 11,964 ft. Div of Oil & Gas, Peter Wygle, witnessed bottom of plug at 11,964 ft. Also witnessed mud up 266 barrels, 9.8 mud. Witnessed casing test to 500 psi, 10 minutes. Secure well.

11/5/93 Open well. Pulled and layed down remainder of tubing, 120 joints. Rig up MMI wireline. Shoot 8 holes from 805-825 ft. Rig out MMI. Mud up surface pipe (10-3/4). Ran in hole to 820 ft. Rig up Halliburton, test lines. Pump 53 sacks, Class G neat cement, displaced with 4 barrels. Balanced 102 ft fresh water between 5-1/2 and 10-3/4 as per program. DOG waived witness. Pulled out of hole, rig up MMI. Shot 8 holes from 100 to 200 ft. Rig out MMI, secure well.

11/06/93 Open well. Ran in hole, tag cement @ 712 ft. Lay down excess tubing. Div of Oil and Gas, Peter R. Wygle, witness and approved top of fresh water plug @ 712 ft. Witnessed pumping of surface plug from 120 ft to surface. Ran in hole to 120 ft. Rig up Halliburton, test lines. Mix and pump 50 sacks class G neat cement from 120 ft to surface 10-3/4 and 5-1/2 inch casings. Rig out all equipment. Rig down move off.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T293-270

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 22, 1993

Your operations at well "Newhall Land & Farming Co." 58, API No. 037-16521, Sec. 13, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 11-16-93. Pete Wygle, representative of the supervisor, was present from 0730 to 0745. There were also present C. Ballard, Operator's Rep.

Present condition of well: 10 3/4" cem 833'; 5 1/2" cem 12,650', perf 12,160' WSO, perf 100' - 102', Perf & sqz 805' - 825', perf @ ints 12,212' - 12,586'. TD 12,650'. Plugged w/cem 12,650' - 12,614', 12,550' - 11,694', 820' - 712', & 120' - 5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported and approved.

scv

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

E3500

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator Exxon Corp. Well No. "Newhall Land & Farming Co"
API No. 037-16521 Sec. 12, T. 4N, R. 17W, SB B&M
Field Castaic Jct, County LA. On 11-[illegible]-85
Mr./Ms. [illegible], representative of the supervisor, was present from 0730 to [illegible]
There were also present C. Ballard, operator's rep.

CASING RECORD OF WELL: 10-3/4" cem 830'; 5-1/2" cem 12,650', perf 12,160' ASI, perf 100'-102', perf & sqz 805'-825', perf & [illegible] into 10,810'-10,886', TD 12,650', Plugged w/cmt 12,650'-12,614', 12,550'-11,694', 820'-712', & 120'-5'.

The operations were performed for the purpose of abandonment

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @_____' is approved.

Hole size:_____" fr._____' to_____', _____" to_____' & _____" to_____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered:_____" shot/cut at_____', _____', _____' pulled fr._____';
_____" shot/cut at_____', _____', _____' pulled fr._____'.

Junk (in hole):

Hole fluid (bailed to) at_____'. Witnessed by_____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
11-5	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	712	[illegible]	11-[illegible] 1230	[illegible]
11-6	57 cf	[illegible] 120	0730	[illegible]	[illegible]	[illegible]	11-16 0930	[illegible]

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No. P293-219
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 25

PERMIT TO CONDUCT WELL OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
July 8, 1993

Your proposal to abandon well "Newhall Land & Farming Co." 58, A.P.I. No. 037-16521, Section 13, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, --- area Main pool, Los Angeles County, dated 6-30-93, received 7-7-93, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 12,586'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.

Continued on Page 2

Blanket Bond
PK:SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	7-7-93 ✓	

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land & Farming Co 58 (Well designation), API No. 037-16521

Sec. 13, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 7/19, 1993.

The present condition of the well is:

1. Total depth 12,650'

2. Complete casing record, including plugs and perforations
   10 3/4" 40.5/45.5# casing @ 0'-822'
   5 1/2" 17/20/23# casing @ 0'-12,650 PERFS:12,212'-12,586'
   P.B.T.D. @ 12,614' WSO @ 12160

3. Last produced 6/85 2 10 1
   (Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

   OR

4. Last injected _____
   (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost oil or gas shows
   Zone 21 Main: 12,212'-12,586'
6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 820'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1 MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out to the P.B.T.D. @ 12,614' in the 5 1/2" casing.
3. Place class "G" cement plug from 12,614'-12,060', cementing zone 21 and to 100' above WSO at 12,160', TOC at 12,060'. DOG to witness.
4. Shoot 4 SPF in the 5 1/2" casing @ 820' to 810' and place a class "G" cement plug from 820' to 720', squeezing the 5 1/2" X 10 3/4" annulus with TOC @ 720'. DOG to witness.
5. Shoot 4 holes in the 5 1/2" casing @ 100' and circulate a class "G" cement plug from 100' to the surface getting returns in the 5 1/2" X 10 3/4" annulus. DOG to witness.
6. Cut of casing @ 5' and weld plate with well identifier.
7. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive P.O. Box 1600
(Street)
Midland, Tx. 79702
(City) (State) (Zip)

Telephone Number 915-688-7888

Exxon Corporation
(Name of Operator)

By Stephen Johnson
(Name-Printed)

D. Johnson 6/30/93
(Name-Signature) (Date)

Type of Organization Corporation

OG108

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

September 21, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 63, A.P.I. No. 037-00147, Section 13, T. 4N, R. 17W, S.B. B.& M., Castaic Junction field, Los Angeles County, dated 12-21-93, received 12-29-93, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

svl

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

cc: Conservation Committee
Update

Modified OG159 (4/94)

OPERATOR _____

LSE & NO _____

MAP _____

	( )	( )	( )	( )	( )	( )
INTENTION		Abandon				
NOTICE DATED		8-16-93				
P-REPORT NUMBER		093-32				
CHECKED BY/DATE	1/26/95					
MAP LETTER DATED		2-18-94 SH				
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NE
NOTICE												
HISTORY			2-09-93									
SUMMARY												
IES/ELECTRIC LOG												
DIRECTIONAL SURV												
CODE/SWS DESCRIP												
OTHER												
RECORDS COMPLETE	DNC 1/26/95		2-15-94	SH								

ENGINEERING CHECK

P-REPORTS	✓
OPERATOR'S NAME	✓
WELL DESIGNATION	✓
LOC & ELEV	✓
SIGNATURE	✓
SURFACE INSPECTION	
FINAL LETTER OK	

CLERICAL CHECK

POSTED TO 121 _____ 170 MAILED _____ FINAL LETTER

_____ _____ MAILED _____

_____ _____

_____ _____ RELEASED BOND _____

_____ _____

_____ _____

_____ _____

REMARKS: SF- Inc. OK - Final Ltr.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Dist. 2

DEC 2 9 1993

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. 63 Sec. 13, T 4N, R 17W, S.B. B. & M.
A.P.I. No. 037-00147 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assist. (President, Secretary or Agent)
Date December 21, 19 93

Signature

Regulatory and Environmental Affairs, PO Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole sizes, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
12/08/93	Move in rig up. Secure well.
12/09/93	Rig up Coast wireline. Bleed well from 50 psi tubing and casing to 0 psi. Made feeler run with slickline to 12832 feet. Pull out of hole with sinker bars. Ran tubing plug to 275 feet. Rig out slickline. Nipple down production tree, nipple up class III BOP and test. Rig up wireline, retrieve plug, rig out wireline. Secure well.
12/10/93	Open well, 40 psi. Worked packers loose. Pulled up 60 feet. Changed well over to lease water, 300 barrels. Pulled and measured 100 stands. Secure well.
12/11/93	Open well, broke circulation. Pulled and measured tubing. Lay down seal assembly and mandrels. Notified Div of Oil and Gas. Ran 20 stands kill string. Secure well. Peter R. Wygle, Div Oil and Gas, gave approval to run retainer to 12850 feet and cement bottom plug through retainer.
12/13/93	Open well, broke circulation. Pull out of hole with kill string. Make up Halliburton EZ Drill cement retainer 5-1/2 inch 12 to 23#. Ran in hole, stopped @ 7319 feet. Notified Div of Oil and Gas. Peter R. Wygle, Div of Oil and Gas, approved by phone to start bottom hole cement operations from 7319. Set retainer. Secure well pending arrival of Div of Oil and Gas witness and cement.

12/14/93 Stab into retainer @ 7319 feet. Rig up Halliburton. Test lines. Attempt to establish breakdown, 1097 psi, 0 barrels per minute. Pulled out of retainer. Set tubing @ 7300 feet. Broke circulation. Mix and pump 42 sacks blended cement consisting of .3% CFR-3, 40% SSA-1, and .5% HR7. Displaced with 26 barrels water. Rig out Halliburton. Pulled to 6446. Reversed twice around. Pulled and layed down excess tubing and setting tool. Ran in hole to 3000 feet. Secure well. Calculated top of cement 6780. Peter R. Wygle, Div of Oil and Gas, witnessed breakdown attempt 1097 psi 0 barrels per minute and approved cement from 7300 to 6780, 42 sacks displaced with 26 barrels cement.

12/15/93 Ran in hole, tag top of cement @ 6762 feet. Change well over to 9.8 mud, 169 barrels. Pulled up to 6180. Rig up Halliburton. Mix and pump 92 sacks blended cement consisting of .3% CFR-3, 40% SSA-1 and .5% HR7. Total yield 149 cubic feet displaced with 18 barrels mud. Calculated top of cement 4990 feet. Pulled to 5630. Reversed twice around. Secure well. Peter R. Wygle, Div of Oil and Gas, witnessed and approved tag top of cement @ 6762 feet and mudding, 169 barrels 9.8 ppg.

12/16/93 Open well, ran in hole, tag cement @ 5707. Determined to have squeezed 94 cubic feet out of WSO hole @ 6080. Performed casing integrity test @ 500 psi, for 5 min. Hung tubing @ 5692 feet. Rig up Halliburton. Test lines, mix and pump 80 sacks, 92 cubic feet, class G cement blended with 26 gallons CFR-3L, displaced with 17 barrels mud. Pulled to 4730, reversed twice around. Rig out Halliburton. Pulled to 4430, secure well. Calculated top of cement 4900 feet. Steve Mulqueen, Div of Oil and Gas, witnessed tag @ 5707.

12/17/93 Open well, ran tubing, tag top of cement @ 5087 feet. Pulled and laid down 175 joints of 2-3/8 tubing. Filled hole with mud. Rig up MMI, shot 80 holes from 771 to 791 feet. Rig out MMI. Mudded up 10-3/4 from 701 to surface. Ran in hole with tubing to 791 feet. Rig up Halliburton. Test lines. Mix and pump 100 sacks and 1-3/4 inches from 791 to 591, calculated top of cement . Rig out Halliburton. Pull tubing, rig up MMI. Shot 8 holes @ 100 feet. Rig out MMI, secure well. Steve Mulqueen, Div of Oil and Gas, waived witness of fresh water squeeze, approved tag of cement as reported.

12/18/93 Open well, ran in hole tag top of cement @ 620 feet. Lay down excess tubing. Ran tubing to 120 feet. Rig up Halliburton. Mix and pump 85 sacks, 98 cubic feet, class G neat cement. Filled 5-1/2 and 10-3/4 from 100 feet to surface. Rig out Halliburton. Rig out all equipment. Rig down move off. Steve Mulqueen, Div of Oil and Gas, witnessed tag of cement @ 621 feet and pumping of surface plug.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T294-44

Report on Operations

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
February 15, 1994

Your operations at well "Newhall Land & Farming Co." 63, API No. 037- 00147, Sec. 13, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 12-18-93. Steve Mulqueen, representative of the supervisor, was present from 0800 to 1030. There were also present C. Ballard, Operator's Rep.

Present condition of well: 10 3/4" cem 791'; 5 1/2" cem 13,382', perf 12,918' WSO, cp 100', 771' & 6080', perf 12,455', perfs @ int 5190'-6080' (cem off), 6980'-7180' (cem off) & perfs @ int 12,930'-13,065'. Junk below 12,925'. TD 13,382'. Plugged w/cem 13,382'-13,246', retainer @ 7319', plugged w/cem 7300'-6762', 6180'-5707', 5692'-5087', 791'-621' & 120'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

SCV

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

T2N-44

Operator Exxon Corp. Well No. "Newhall Land & Farming Co"
API No. 037-00147 Sec. 13, T. 4N, R. 17W, SB B&M
Field Castaic Jct, County LA. On 12-18-93
Mr./Ms. S. MULQUEEN, representative of the supervisor, was present from 0800 to 1030
There were also present C. Ballard, operator's rep.

Casing record of well: 10¾" cem 791'; 5½" cem 13382' perf 12918' USO, sp 100
771' & 6080' perf 12455' perfs @ int 5190'-6080' (cem eff) 6980'-71(
(cem eff) & perfs @ int 12930'-13065' Junk below 13025', TD 13382'. Plug

The operations were performed for the purpose of abandonment
w/ cem 13396' - 12246' retainer @ 7319' plugged w/ cem 7300'-676
6180' - 5707' (cem eff) - 5087' 791' - 621' & 120' - 5'.

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @_____' is approved.

Hole size:_____" fr._____' to_____', _____" to_____' & _____" to_____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
5½	17, 20 & 23	SFC	[illegible]	12/14	cem 100' stub @ 7300'	[illegible]			—	—	

Casing/tubing recovered:_____" shot/cut at 791' (PERFORATE) TO 771', _____' pulled fr._____';
_____" shot/cut at 100' (PERFORATE) TO 108', _____' pulled fr._____'.

Junk (in hole): Tog @ 925' - 13,043' w/ bkr @ 13,246

Hole fluid (bailed to) at_____'. Witnessed by_____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.8#/g CLAY GEL	12-15-93	169	TBG @ 6762'	—	SURFACE	S. MULQUE

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
12/14	48 cf	tbg 7300	0830	PRW	6762'	8k tbg	1000 12/15	PRW
12/15	92 sx	TBG @ 6180'	-	REPORTED	5707'	10K #	12/16 0930	S. MULQ
12/16	80 sx	TBG @ 5692'	—	"	5087'	"	12/17 0960	"
12/17	100 sx	TBG @ 791'	—	"	621'	ALL TBG WEIGHT	12/18 0800	"
12/18	85 sx	TBG @ 120'	1000	S. MULQUEEN	5'	VISUAL	12/18 1030	"

OGD10 (10/90/GSR1/5M)

DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

PERMIT TO CONDUCT WELL OPERATIONS

126
(field code)
00
(area code)

(new pool code)
30
(old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
August 19, 1993

Your proposal to abandon well "Newhall Land & Farming Co." 63, A.P.I. No. 037-00147, Section 13, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ----- area, 21 North pool, County, dated 8/16/93, received 8/18/93, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOGGR Class II 3M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and insufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 13,246'.
4. All portion of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   A. To witness the location and hardness of the cement plug at 12,355'.
   B. To witness the mudding of the well.
   C. To witness the location and hardness of the cement plugs at 6,880' and 5,090'.
   D. To witness the squeeze-cementing of the 5-1/2" casing through the perforations at 791'.
   E. To witness the location and hardness of the cement plug at 691'.
   F. To witness the placing of cement inside the 5-1/2" casing and all annuli.
   G. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
Acting State Oil and Gas Supervisor

By

Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or operations have been suspended.

OG111 (Modified 1993)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land & Farming Co. 63 (Well designation), API No. 037-00147

Sec. 13, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 9/15, 1993.

The present condition of the well is:

1. Total depth 13,382'

2. Complete casing record, including plugs and perforations
   10 3/4" 40.5# casing @ 0'-791'
   5 1/2" 17/20/23# casing @ 0'-13,382'
   Plug back T.D.13,246' perfs: 13,065'-12,930' WSO:12,918' & 12,455'
   Sqz'd Csg perfs: 7180'-6980', 6080' & 5190'

3. Last produced 10/73 2 25 7
   (Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

   OR

4. Last injected _____
   (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost oil or gas shows

   Top of Zone 21 "A" : 12,930'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 791'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1 MIRU. Install and test a DOG class II 5M BOPE.
2. Clean to the bottom of the P.B.T.D. 5 1/2" casing @ 13,246'.
3. Place class "G" cement plug from 13,246'-12,355', cementing the 5 1/2" csg perfs to 100' above WSO at 12,455', with TOC @ 12,355
4. Place class "G" cement plug from 7,280'-6,880', cementing to 100' above the squeezed perforations in the 5 1/2" casing.
5. Place class "G" cement plug from 6,180'-5,090', cementing to 100' above the squeezed perforations in the 5 1/2" casing.
6. Shoot 4 SPF in the 5 1/2" csg @ 791'-781', place a class "G" cement plug from 791' to 691', squeezing the 5 1/2" x 10 3/4" annul
7. Shoot 4 holes in the 5 1/2" casing @ 100', circulate a class "G" cement plug from 100' to the surface getting returns in the casing/conductor annulus.
8. Cut of casing @ 5' and weld plate with well identifier and clean location. DOG to inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive P.O. Box 1600 (Street)

Midland, (City) Tx. (State) 79702 (Zip)

Telephone Number 915-688-7888

Exxon Corporation (Name of Operator)

By Judy M. Bagwell (Name-Printed)

Judy M. Bagwell 8-16-93 (Name-Signature) (Date)

Type of Organization Corporation

OG108

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

September 21, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 64, A.P.I. No. 037-16525, Section 13, T. 4N, R. 17W, S.B. B.& M., Castaic Junction field, Los Angeles County, dated 12-14-93, received 12-21-93, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

svl

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

cc: Conservation Committee
Update

OPERATOR Exxon Corp
WELL NO. "Newhall Land & Farming Co" 64
MAP

INTENTION	Rework	Abd.				
NOTICE DATED	1-3-[illegible]	8-4-93				
P-REPORT NUMBER	2[illegible]-32	293-292				
CHECKED BY/DATE						
MAP LETTER DATED	—	2-19-94 SM				
SYMBOL	NJC	⊕				

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	N
NOTICE	[illegible]		8-12-93									
HISTORY	2-4-[illegible]											
SUMMARY	—											
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.						
DRILL CARD						

RECORD'S COMPLETE _____ FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

INJECTION BOOK _____
IDLE WELL LIST _____
SURFACE INSP. CARD _____

REMARKS: _____

[illegible] 11,226'

[illegible] OK [illegible]

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. #64, Sec. 13, T 4N, R 17W S.B. B. & M.
A.P.I. No. 037-16525 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assist. (President, Secretary or Agent)
Date December 14, 19 93

Signature

Regulatory and Environmental Affairs, PO Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
11/22/93	Drive rig to location, spot rig. Move in rig up. Move in Baker tanks.
11/23/93	Check well (tubing 0 psi, casing 50 psi). Rig up pump. Circulate lease water in well, 2 hours, well dead. Rig up Lee Archer (slick line). Ran in hole with 2-7/8 tubing plug, set @ 201 feet. Pull out of hole, nipple down production tree. Remove dual string donut, nipple up Class III BOP and BOE, function tested okay. Rig up working floor and tubing equipment. Rig up slick line. Ran in hole, retrieve tubing plug. Close well in.
11/24/93	Open well (no pressure). Pull out of hole lay down 221 joints 2-/38 tubing. Change pipe rams to 2-7/8. Pick up and measures 20 joints 2-7/8 inch tubing N-80 work string. Close in well. Load out drill collars and workstring.
11/29/93	Open well (no pressure). Pull out of hole with 20 joints 2-7/8 inch tubing. Make up 4.5 X 2.75 overshot and 4.5 bumper sub. Measure and pick up 270 joints N-80 tubing. Close well in.
11/30/93	Open well (no pressure). Continue picking up 2-7/8 inch N-80 tubing. Pick up 39 joints tubing. Top of fish @ 9320. Work over fish, reverse circulate well. Fishing tool slipping off fish. Pull out of hole with 309 joints. Lay down fishing tools. Ran in hole with kill string.

12/01/93 Open well (150# on tubing and casing). Bleed well. Make up 5-3/4 X 2-3/10 over shot. Ran in hole with 309 joints. Latch on fish @ 9320. Rig up Dia-Log. Ran in hole with 1-3/8 free point tools. could not get in fish @ 9320. Pull out of hole, found IB restriction on rich on bull nose of freepoint tools. Make up line sinker bars with collar locator. Ran in hole, could not get in top of fish. Pull out of hole, rig out Dia-Log. Attempt to release fishing tools from fish. Pull out of hole with 100 joints. Close in well.

12/02/93 Open well (150# on tubing and casing). Bleed well continue pull out of hole with 209 joints 2-7/8 inch tubing. Break down fishing tools. Make up 4-1/2 inch flat bottom mill with 5-3/4 inch skirt. Pick up and measure 4 4-1/2 inch drill collars. Ran in hole with 305 joints 2-7/8 inch work string. Pick up PWS swivel. Rig up PGSR rubber. Tag top of fish. Pull up 30 feet. Close well in.

12/03/93 Open well (70# on tubing, 50# on casing). Bleed well, circulate well. Tag with mill. Mill over 2 feet from 9320 to 9322. Circulate well. Pull out of hole with 305 joints. Pull 2 stands, drill collars. Lay down mill. Make up 5-3/4 X 2-3/8 inch overshot. Ran in hole with 160 joints. Close well in.

12/04/93 Open well(tubing 50#, casing 50#). Ran in hole with fishing tools, 200 joints 2-7/8 inch tubing. Latch on fish @ 9322. Rig up Dia-Log. Ran in hole with 1-5/8 inch free point. Attempt to enter fish, could not get in. Pull out of hole, showed sand on belly springs on free point. Ran in hole with line sinker bars. Possibly got liner inside of fish. Pull out of hole, rig out Dia-Log. Close in well.

12/06/93 Check well (tubing 75#, casing 50#). Bleed well. Move out pipe trailers. Move in Dowell coil tubing unit. Ran in hole with 1-1/4 inch coil tubing with mule shoe. Tag top of fish @ 9309 feet. Attempt to work in, no success. Pull out of hole rig out coil tubing. Release fishing tools. Pull out of hole with 70 joints 2-7/8 inch tubing. Close in well. Steve Fields, Div of Oil and Gas, approved setting retainer @ 9220 feet and placing 100 feet of cement above retainer. Also attempted to squeeze down.

12/07/93 Open well (50# on tubing and casing). Continue to pull out of hole with 240 joints. Lay down fishing tools. Make up 7 inch 26# cement retainer. Ran in hole with 306 joints 2-7/8 inch tubing. Set retainer @ 9222 feet. Attempt to squeeze below retainer. Pressure 1000#. Pull to 9162. Rig up Halliburton, successfully test line 4000# and 200#. Mix and pump 64 cubic feet, 40 sacks class G cement with 4% Silica Flour + .5% HR-7 + .5% CFR-3. Displace with 50-1/2 barrels lease water @ 2400#. Rig out Halliburton. Pull to 8790, reverse well. Pump 330 barrels 9.7 ppg mud down tubing, test casing to 500# 8862 estimated top of cement. Lay down 5 joints. Close in well. Stephen Mulqueen, Div of Oil and Gas, attempted to squeeze cement through junk @ 9322 with retainer @ 9222 feet. Pressured to 1000# with no break down. Witnessed placement cement plug 9162 to 8862 feet.

12/08/93 Open well (no pressure). Continue laying down 2-7/8 N-80 workstring. Lay down 280 joints. Ran in hole with 4-1/2 inch drill collars. Lay down 4 drill collars. Fill well with 34 barrels mud 9.7 ppg. Rig up MMI. Ran in hole with 20 foot Jet Perforator. Locate collars at 854 feet. Shoot holes from 855 to 875 feet. Pull out of hole circulate 9.7 ppg mud down 7 inch up 10-3/4 casing, 60 barrels. Ran in hole with 29 joints 2-7/8 inch tubing. With tubing tail @ 899 feet rig up Halliburton. Test lines. Mix and pump 115 cubic feet, 100 sacks neat cement down 2-7/8 tubing up 10-3/4. Displace with 4 barrels fresh water. Open 7 inch casing and let cement gravitate in. Pull out of hole with 29 joints tubing. Rig up MMI. Ran in hole shoot 8 holes from 131 to 133 feet. Pull out of hole, close well in.

12/09/93 Open well (no pressure). Ran in hole, tag top of cement @ 971 feet. Pull out of hole laying down 25 joints. With tubing tail @ 155 feet rig up Halliburton. Successfully test lines. Mix and pump 98 cubic feet, 85 sacks neat cement down 2-7/8 tubing, up 7 inch and 10-3/4 casing to surface. Lay down 5 joints. Clean BOPE and equipment. Rig down move off. Peter R. Wygle, Div of Oil and Gas, witnessed and approved tag of plug @ 791 feet and placement of cement from 133 to surface in 10-3/4 inch casing and from 155 to surface in 7 inch casing.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T294-6

Report on Operations

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
January 5, 1994

Your operations at well "Newhall Land & Farming Co." 64, API No. 037-16525, Sec. 13, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 12-9-93. Pete Wygle, representative of the supervisor, was present from 1100 to 1200. There were also present Ken Kennedy, Contractor's Foreman

Present condition of well: 10 3/4" cem 874'; 7" cem 13,401', perf 12,905' WSO, perf 131'-133' & 855'-875', perf 12,925'-13,050' & @ ints 13,070'-13,228'; 5" cem 13,285'-14,395', perf @ ints 13,602'-13,710' (sqz off), & @ ints 14,161'-14,313' (sqz off). TD 13,426'. Junk: dual tbg strings cut & rec from 9316' & 9326' w/pkrs @ 12,857' & 13,050'. Plugged w/ 45 sx of cem below pkr @ 13,948', w/30 sx below pkr @ 13,696', w/60 sx of cem below pkr @ 13,280', w/ret @ 9322', w/cem 9162'-8862' ±, 899'-791', & 155'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed are reported are approved.

scv

William F. Guerard, Jr.
State Oil and Gas Supervisor

By

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

E3500

DIVIS OF OIL, GAS, AND GEOTHERMAL R URCES

T294-96

Cementing/Plugging Memo

Operator EXXON CORP. **Well No.** "N.L&F" 64

API No. 037-16525 **Sec.** 13, **T.** 04N, **R.** 17W, SB B&M

Field CASTAIC JUNCTION, **County** LOS ANGELES. **On** 12-9-93,

Mr./Ms. R. Wyse, **representative of the supervisor, was present from** 1100 **to** 1200.

There were also present KEN KENNEDY. contractor's foreman

CASING RECORD OF WELL: 10-3/4" cem 874'; 7" cem 13,401', perf 12,905' WSO, perf 131'-133' & 855'-875', perf 12,925'-13,050' & @ intv 13,070'-13,229'; 5" cem 13,285'-14,395', perf & intv 13,602'-13,710' (sqz off), & @ intv 14,161'-14,313' (sqz off). TD 14,426'. Junk: dual tbg strings cut & rec from 9316' & 9326' w/pkrs @ 12,357' & 13,050'. Plugged w/ 45 sx of cem below pkr @ 13,948', w/30 sx below pkr @ 13,696', w/60 sx of cem below pkr @ 13,280', w/ret @ 9322', w/cem 9162'-8862'+/-, 899'-791', & 155'-5'.

The operations were performed for the purpose of ABANDONMENT

☒ The plugging~~/cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @_____' are approved.

Hole size:_____" fr._____' to_____', _____" to_____' & _____" to_____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/~~tubing~~ recovered: pf 4 hpf 7 " **shot/cut at** 855' 875', 131' 133', _____' **pulled fr.** _____';

_____" **shot/cut at** _____', _____', _____' **pulled fr.** _____'.

Junk (in hole): 2 STRINGS OF 2 3/8" TBG @ 9322', RETAINER @ 9222' SET 12-7

Hole fluid (bailed to) at _____'. **Witnessed by** _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.7	12/8	34	tbg $262	—	to surf	PRW

SET RETAINER @ 9222', PRESSURED TO 1000 PSI WITH NO BREAKDOWN

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
12/7	64 cf	TBG @ 9162'	1400	S. MULQUEEN	8862'±	CALCUL.	12/7 1500	S. MULQ
12/8	115 cf	✓ 899'-893' sqz 200 lbs 94 thru holes	@ 855'	rptd	791'	W/ tbg	12/9 0930	PRW
12/9	98 cf	tbg 155	1130	PRW	5fc	Visual	12/9 1200	PRW

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P293-292

PERMIT TO CONDUCT WELL OPERATIONS

126 (field code)
00 (area code)
-- (new pool code)
30 (old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
August 13, 1993

Your proposal to abandon well "Newhall Land & Farming Co." 64, A.P.I. No. 037-16525, Section 13, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ------ area, 21 North pool, Los Angeles County, dated 8/4/93, received 8/12/93, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOGGR Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and insufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 13,280'.
4. All portion of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 12,805'.
   b. To witness the mudding of the well.
   c. To witness the squeeze-cementing of the 7" casing through the perforations at 874'.
   d. To witness the location and hardness of the cement plug at 774'.
   e. To witness the placing of cement inside the 7" casing and all annuli.
   f. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Fish @ 9400±
Set retainer and Squeeze

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
Acting State Oil and Gas Supervisor

By _____

Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operatio

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

DOG

NOTICE OF INTENTION TO ABANDON WELL

DIVISION OF OIL AND GAS
RECEIVED
AUG 11 1993
VENTURA, CALIFORNIA

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land & Farming Co. #64 (Well designation), API No. 037-16525

Sec. 13, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 8/15, 19 93.

The present condition of the well is:

1. Total depth 14,426'

2. Complete casing record, including plugs and perforations
   10 3/4" 40.5# casing: 0'-874' ✓
   7" 26/29/32# casing: 0'-13,401' ✓ 13,284
   5" 18# liner : ~~13,180~~'-14,396'
   perfs: 12,925'-13,228' WSO:12,905' ✓
   Plug back depth: 13,280'

3. Last produced 06/61 (Date) 17 (Oil, B/D) 10 (Water, B/D) 100 (Gas, Mcf/D)

   OR

4. Last injected _____ (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional Data for dry hole (show depths)

5. Uppermost productive zone:

   Zone 21-A: 12,925'-13,052'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 874'

9. Is this a critical well according to Section 1720(a), California Code of Regulations? YES [XX] NO [ ]

The proposed work is as follows:

1. MIRU. Install and test a DOG class II (5m) BOPE.
2. Clean out to bottom @ PBTD of 13,280'.
3. Place class "G" cement plug from 13,280'-12,805', cementing Zone 21 "A","B" & "C" and cement to 100' above WSO @ 12,905'. DOG to witness.
4. Shoot 4 SPF from 874'-874' and place class "G" cement plug from 874'-774' in the 7 " and the 7" X 10 3/4" annulus covering the bas of fresh water. DOG to witness.
5. Shoot 4 holes @ 100'. Circulate cement from 100' to surface getting returns in 7" and the 7" X 10 3/4" annulus. DOG to witness.
6. Cut off casing @ 5' and weld plate with well identifier and clean location. DOG will inspect.

* Contact Reservoir Engineering, Isaiah Del Toro @ (915) 688-6639 with any questions concerning this procedure.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive (Street) P.O. Box 1600

Midland, (City) TX (State) 79702 (Zip)

Telephone Number 915-688-7888

Exxon Company, USA (Name of Operator)

By Judy M. Bagwell (Name-Printed)

Judy Bagwell 8-4-93 (Name-Signature) (Date)

Type of Organization Corporation

OG108

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, Californi
April 13, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 65, A.P.I. No. 037-16470 Section 13, T. 4N, R. 17W, SB B.&M., Castaic Junction fiel Los Angeles County, dated March 22, 1993, received March 24, 1993 has been examined in conjunction with operations witnessed and records fil in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR EXXON
WELL NO. "N.L. & F" 65
MAP

A.P.I. 037-16470
SECTION 13, T. 4 N, R. 17 W

INTENTION	ABANDON					
NOTICE DATED	3-22-93					
P-REPORT NUMBER	293-107					
CHECKED BY/DATE						
MAP LETTER DATED	1.9.94					
SYMBOL	-+-					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	3-24-93											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	2/28/94 FMN					
DRILL CARD						

RECORD'S COMPLETE 2/28/94 FMN

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

District 6

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land and Farming Co. 65, Sec. 13, T 4N, R 17W, S.B. B. & M.
A.P.I. No. 037-16470 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assist (President, Secretary or Agent)
Date February 7, 19 94.

Signature Julie H. Mitchell

Environmental and Regulatory Affairs, PO Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

NOTE: Well work had not been completed when previous report was filed February 3, 1994. This amended procedure shows actual plugging.

01/11/94 Prepare location. Move in rig up. Guy out, spot pump, lay kill line.

01/12/94 Lay down plastic under all fluid containing equipment on location. Continue rigging up pump and kill line to well and manifold. Test lines to 2000#. Spot tanks and haul in 500 barrels fresh water. Off load BOP and BOE. Circulate well. Tubing 300#, casing 300#. Well secured.

01/13/94 Open well, casing and tubing 0 psi. Continue to circulate well. Well dead - 3 hours. Rig up Lee Archer slickline. Run in hole with 2-3/8 tubing plug, set @ 105 dt. Pull out of hole, nipple down production tree. Nipple up Class III BOP, rig up BOE. Good function test. Rig up working floor and tubing equipment. Rig up Lee Archer. Run in hole and retrieve plug. Pull out of hole, rig out slickline. Close well in. Note: Wellhead bolts very tight and donut stuck, jar loose. Flange stuck, jar loose.

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FEB 11 1994
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

01/14/94 Open well, no pressure. Pickup 4 joints 2- 3/8 inch tubing. Run in hole to 9447 feet. Measure out with 150 stand 2-3/8 inch tubing. Rig up Dia-log. Run in hole with Min ID tool 3 inch O.D. Run in hole to 9366 showed collapsed pipe from 9366 to 9374 feet. Pulled down to 3-1/8 at its smallest ID. Ran in hole to 9600, pull out of hole. Tool hung up @ 9370, pulled out of rope socket. Pull out of hole, leaving tool in hole. Pull in hole with 600 feet kill string. Close in well.

01/25/94 DTL service rig and equipment. Open well, no pressure. Overshot with 3-7/8 Bumper Sub. Ran in hole with 150 joints out of derrick. Pick up 130 joints in doubles of ground. Close in well.

01/26/94 Open well, no pressure. Continue running in hole with 2-3/8 inch N-80 tubing. Pick up 10 joints, tag 9350 feet, no fish. Pull out of hole laying down fishing tools. Ran in hole with 299 open ended joints 2-3/8 tubing. Spot trailer. Pickup 10 joints, close in well. Steve Fields, Div of Oil and Gas, approved placing of cement plug from 12200 to 11800, and placing plug @ 9150 to 9550.

01/27/94 Open well, no pressure. Continue measuring and picking up tubing. Picked up 74 joints. Tag fill @ 12051. Pull tubing to 12032. Reverse circulate well. Recovered approximately 30 barrels mud from well. Rig up Halliburton. Test line, 400# and 4000#. Mix and pump 84 cubic feet 51 sacks class G cement with 40% Silica Flour and 5% H-7 and .5 CFR-3. Displace with 45 barrels fresh water @ 2500# maximum. Rig out Halliburton. Pull out of hole with 16 joints. Reverse circulate 30 minutes. Pull out of hole with 20 joints to 10853. Close in well. Estimated top of cement 11631 feet.

01/28/94 Open well, no pressure. Tag top of cement @ 11654. Pull to 11600. Test casing from 11600 to surface @ 500 psi. Pump 76 barrels 9.7 ppg P&A mud and displace with 37 barrels fresh water. Pull and lay down 80 joints 2-3/8 N-80 tubing. Pull and stand back 6+0, tubing tail @ 9250. Rig up MMI, make up 1- 11/16 jet perforator 8 shots. Ran in hole to 9300. Shoot 8 holes from 9300 to 9302 feet. Pull out of hole. Run in hole with 12 joints to 9538. Rig up Halliburton, test lines to 400# and 4000#. Pressure up on hole to 200# @ 1 BPM. After 8 barrels pressuring up 500#, bleeding down to 0 in 2 minutes. Mix and pump 125 cubic feet 78 sacks class G cement. Displace with 34-1/2 barrels fresh water @ 2400#. Rig out Halliburton. Pull out of hole with 40 joints to 8298 feet. Estimated top of cement @ 8939. Rig up Halliburton. Squeeze 40 cubic feet @ 1000# out holes @ 9300 feet. Close well in. Stephen Mulqueen, Div of Oil and Gas, witness tag of cement @ 11654 feet and pressure test of casing from 0-11654 feet @ 500#, shooting holes @ 9300 to 9302, 8 holes and witnessed placement of cement from 9538 to 8938 feet and squeeze of 40 cubic feet out holes @ 1000# maximum.

01/31/94 Open well, no pressure. Ran in hole, tag cement top @ 9037 feet. Test casing from 9037 to surface @ 500#. Pump 340 barrels 9.7 ppg P&A mud from 9037 to surface. Pull out of hole, laying down 150 joints on trailer. Close in well. Peter R. Wygle, Div of Oil and Gas, witness tag of cement @ 9037 feet and 9.7 ppg P&A mud from 9037 to surface, 340 barrels and test casing @ 500#. Both tag and test were approved.

02/01/94 Open well, no pressure. Continue pulling out of hole with 2-3/8 tubing. Lay down 123 joints. Fill well with 20 barrels 9.7 ppg mud. Rig up MMI. Shoot 20 holes with JET 4 SPF from 810-830. Ran in hole with 37 joints to 848. Pump 40 barrels down tubing and up 10-3/4 inch casing. Rig up Halliburton. Test lines 200/2000#. Mix and pump 100 cubic feet, 87 sacks neat cement. Displace with 3 barrels mud. Pull out of hole with 27 joints. Close in well. Rig up MMI, shoot 20 holes form 175 to 180 with 5 feet 4 SPF JET.

02/02/94 Open well, no pressure. Ran in hole, tag cement at 693 feet. Lay down 27 joints 2-3/8 tubing. Rig up Halliburton. Mix and pump 96.6 cubic feet, 84 sacks neat cement down 10-3/4 inch casing, up 7 inch casing to surface. Displace with 1-1/2 inch barrels f/w down 10-3/4 casing. Estimated top of cement in 10-3/4 casing is 30 feet. Rig out Halliburton. Ran in hole with 1 joint 2-/78 inch tubing, circulate out 30 feet. Rig out Halliburton, Ran in hole with 1 joint 2-7/8 inch tubing, circulate out 30 feet of cement out of 7 inch casing. Rig out BOP and BOE. Wait on cement, rig up swivel with 1 joint tubing. Ran in hole tag cement @ 28 feet. Attempt to cut 7 inch casing with mechanical cutter @ 25 feet. Cutter would not work. Pull out of hole. Peter R. Wygle, Div of Oil and Gas, witness tag of cement @ 693 and witnessed placing of cement from 180 to surface in 7 inch and 10-3/4 inch casing, 96.6 cubic feet, 84 sacks.

02/03/94 Make up 6 inch mechanical casing cutter on a 1 joint 2-7/8 inch N-80 tubing and power swivel. Ran in hole to 25 feet. Attempt to cut 7 inch casing. Pull out of hole, lay down swivel. Attempt to work casing loose. No movement. Ran in hole with cutter, cut 7 inch casing @ 24 feet. Pull out of hole laying down swivel. Pull out of hole with wellhead and 20 feet 7 inch casing stub. After cutting off wellhead, make up 8-1/2 inch mechanical cutter. Ran in hole to top of 10-3/4 inch casing. Rig out swivel and pump.

02/04/94 Final report on rig. Rig down derrick and back rig off pad. Load out and rig out pump. Roads to muddy to move rig.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T294-37

Report on Operations

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
February 14, 1994

Your operations at well "Newhall Land & Farming Co." 65, API No. 037-16470, Sec. 13, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 2-2-94. Pete Wygle, representative of the supervisor, was present from 0730 to 0930. There were also present C. Ballard, Operator's Rep.

Present condition of well: 10 3/4" cem 830'; 7" cem 12,489', perf 175'-180', perf & sqz 810'-830', perf & sqz 9300'-9302'; 5" cem 12,223'-13,250', perf 12,800' WSO, perf @ ints 12,850'-13,062' perf & sqz 13,068'-13,070'. TD 14,017'. Fish 2 3/8" tbg w/top @ 12,217' & inj pkrs @ 12,749' & 12,980'. Plugged w/cem 14,017'-13,062', 12,032'-11,654', 9538'-9037', 848'-693', & 180'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

SCV

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Pf T 294-37

Operator Exxon Corp. Well No. "Newhall Land & Farming Co" #6
API No. 037-16470 Sec. 13, T. 4N, R. 17W, SB B&M
Field Castaic Jct, County LA. On 2-2-94
Mr./Ms. P. Wylie, representative of the supervisor, was present from 0730 to ~~0~~
There were also present C. Ballard operator's rep.

CASING RECORD OF WELL: 10-3/4" cem 830'; 7" cem 12,489', perf 175'-180', perf & sqz 810'-830', perf & sqz 9300'-9302'; 5" cem 12,223'-13,250', perf 12,800' WSO, perf & ints 12,850'-13,062, perf & sqz 13,068'-13,070'. TD 14,017'. Fish: 2-3/8" tbg w/top @ 12,217' & inj pkrs @ 12,749' & 12,950'. Plugged w/cem 14,017'-13,062', 12,032'-11,654', 9538'-9037', 848'-693', & 180'-5'.

The operations were performed for the purpose of abandonment

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @_____' is approved.

Hole size:_____" fr._____' to_____', _____" to_____' & _____" to_____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
7	29# 32#	0	12400'	1/28	TBG @ 9538' BRADEN HEAD	124 cf	—	9138'±	40 cf	1050#	9300'-9302'

Casing/~~tubing~~ recovered: pf 4 hpf 7" shot/cut at 9300-9302', 810-830', 175-180' pulled fr._____';
_____" shot/cut at_____', _____', _____' pulled fr._____'.

Junk (in hole): 12217 2 3/8" TBG & WIRELINE TOOLS

Hole fluid (bailed to) at_____'. Witnessed by_____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
CLAY GEL 72#/cf	1-28-94	76	TBG @ 11600'	—	9550'	S. MULQUEEN
✓	1-31-94	28	✓ 9037	~	Sfc	PRW

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
1/27	84 cf	TBG @ 12032'	—	REPORTED	11654'	20K#	1/28 0800	S. MULQUEEN
1/28	124 cf	TBG @ 9538'	1530	S. MULQUEEN	9037	10K tbg	1/31 0730	PRW
1/29	67 cf 100 cf	Tbg 848. Braden head ✓ ✓	—	rptd	693	Wt of tbg	2/2 ✓	PRW
2/2	97 cf	Pmp dn annulus & up 7" to Sfc. Displ to 30' in 7" x 10 3/4" annulus.	0900	PRW	Sfc	visual	2/2 1000	PRW

OGD10 (10/90/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No. P293-107
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 30

PERMIT TO CONDUCT WELL OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
March 26, 1993

Your proposal to abandon well "Newhall Land & Farming" 65, A.P.I. No. 037-16470, Section 13, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, --- area, 21 North pool, Los Angeles County, dated 3-22-93, received 3-24-93, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M (a) requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 13,062'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.

Fish/Kick

Fish @ 12,217
plug f/ 12,200 - 12,100 ± TAG
Squeeze ~~cut~~ at 9250 - witness
plug 9250-9150 - TAG

Continued on Page 2.

Blanket Bond
PK:SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111

6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 12,700' and 12,124'.
   b. To witness the mudding of the well.
   c. To witness the squeeze-cementing of the 7" casing through the perforations at 830'.
   d. To witness the location and hardness of the cement plug at 720'.
   e. To witness the placing of cement inside the 7" casing and all annuli.
   f. To witness the placing of the surface plug or to verify its location.
   g. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	3-26-93	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well Newhall Land & Farming Co. #65 (Well designation) API No. 037-16470

Sec. 13, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 4/5, 19 93.

The present condition of the well is:

1. Total depth 14,017'

2. Complete casing record, including plugs and perforations
   10 3/4" 40.5# casing: 0'-830'
   7" 26/29/32# casing: 0'-12,400'
   5" 18# liner : 12,224'-13,250'
   prefs: 12,850'-12,972', 12,990'-13,062'
   Plug back depth: 13,062'

3. Last produced 11/81 (Date) 6 (Oil, B/D) 7 (Water, B/D) 206 (Gas, Mcf/D)

   OR

4. Last injected _____ (Date) _____ (Water, B/D) _____ (Gas, Mcf/D) _____ (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost productive zone:

   Zone 21-A: 12,850'-12,972'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 830'

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MAR 25 1993
VENTURA, CALIFORNIA

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X]

The proposed work is as follows:

1. MIRU. Install and test a DOG class II BOPE.
2. Clean out to bottom @ PBTD of 13,062'.
3. Place class "G" cement plug from 13,062'-12,700', covering Zone 21 "B" and Zone 21 "A" and cement to 100' above WSO @ 12,800'. DOG to witness.
4. Place class "G" cement plug from 12,324'-12,124', cementing to 100' below and 100' above the 5" liner top @ 12,224'. DOG to witn
5. Shoot 4 SPF from 830'-820' and place class "G" cement plug from 830'-730' in the 7 " and the 7" X 10 3/4" annulus to cover the b of fresh water. DOG to witness.
6. Shoot 4 holes @ 100'. Circulate cement from 100' to surface getting returns in 7" and the 7" X 10 3/4" annulus. DOG to witness.
7. Cut off casing @ 5' and weld plate with well identifier.
8. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive P.O. Box 1600 (Street)
Midland, TX 79702 (City) (State) (Zip)

Telephone Number 915-688-7888

Exxon Company, USA (Name of Operator)

By Judy M. Bagwell (Name-Printed)

Judy Bagwell 3-22-93 (Name-Signature) (Date)

Type of Organization Corporation

Forms\Abandon.DOG

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

January 6, 1999

Jere Keprios, Agent
EXXON CORPORATION
818 w. Seventh Street
Los Angeles, CA 90017

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 67,

A.P.I. No. 037-16526, Section 13, T. 4N, R. 17W, SB B. & M.,

Castaic Junction field, Los Angeles County,

dated November 20, 1995, received November 29, 1995, has been

examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and filing of well records.

NOTES: 1. Surface plugging completed on November 16, 1995.

2. Site inspection made and approved August 26, 1998.

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
(Signature of Deputy Supervisor)

Patrick J. Kinnear
(Typed Name of Deputy Supervisor)

OPERATOR Exxon
WELL NO. "NL+F" 67
MAP

A.P.I. 037- 16526
SECTION 13, T. 4 N, R. 17

INTENTION	Abandon					
NOTICE DATED	7-10-95					
P-REPORT NUMBER	P295-171					
CHECKED BY/DATE	1-6-96 SGA					
MAP LETTER DATED	1-6-96					
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NI
NOTICE	7-13-95											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	8-26-95 MD					
DRILL CARD						

RECORD'S COMPLETE 5-28-98 DC

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS: Well was Fuel Gas

OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

RECEIV
NOV 2 9 199
DIVISION OF OIL, GAS
GEOTHERMAL RESOU
VENTURA, CALIFOR

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 67, Sec. 19, T 4N, R 16W, S.B. B. & M

A.P.I. No. 0403716526 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assist (President, Secretary or Agent)

Date 11/20, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redr or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, am of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

11/06/95
MIRU. GUY OUT FULLY. RIG UP HOT OIL TRUCK. PUMP 16 BBL F/W DOWN TBG PRESSURE HELD. BLEED WELL, UNLAND RODS. RIG UP TO LAY DOWN RODS. RIG UP KILL LINE. FILL TANK WITH 500 BBL F/W. CLOSE IN WELL. NOTE: REMOV LADDERS & LOCK BAKER TANKS. RELIEVED BY COPPER EAGLE SECURITY.

11/07/95
OPEN WELL, NO PRESSURE. RIG UP ROD BOP AND FUNCTION TEST. PULL AND LA DOWN ALL RODS. LAY DOWN PUMP. RIG UP TO KILL WELL.

11/08/95
OPEN WELL, NO PRESSURE. PUMP 100 BBL F/W DOWN CSG TREE LEAKING. PUMP 500 BBL F/W DOWN TBG WITH RETURNS TO BAKER TANK. TBG ON VACUUM. NIPPL DOWN PRODUCTION TREE. NIPPLE UP CLASS II BOP. RIG UP BOE. FUNCTION TEST. CLOSE IN WELL.

11/09/95
OPEN WELL, NO PRESSURE. RIG TO PULL TBG. RELEASE TENSION ANCHOR. POOI WITH 182 JTS 3.5 8RD TBG. POOH WITH 228 2.875 8RD TBG. MEASURE ALL TBG. LAY DOWN ANCHOR AND DRAIN. PICK UP 8 JTS W.275, PU 10 JTS 2.875 TBG. CLOSE IN WELL.

11/10/95
OPEN WELL, NO PRESSURE. RIH W/2.875 N-80 TBG. RUN 230 JTS. CHANGE PIPE RAMS TO 3.5 INCH. RUN 172 JTS TAG FILL @ 13030 FT. PULL TO 13020 FT REVERSE CIRC WELL. RIG UP FCI CEMENTERS. TEST LINES 300# LOW, 3000 HIGH. PUMP 5 BBL AHEAD. MIX AND PUMP 119 CU FT, 80 SX, CLASS G CMT WITH 5% RETARDER & 2% F.R. DISPLACE WITH 87.5 BBL L/W @ 500# PULL 20+0 TO 11790 FT. REVERSE OUT 100 BBL @ 300#. CLOSE IN WELL EST TOC @ 1244 FT. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEPHEN MULQUEEN, WITNESSED TAG @ 12,333 FT AND APPRVD MUDDING FROM 12,333 TO 7,000 FT.

11/13/95
OPEN WELL. RIH, TAG CMT @ 12,333. TEST CSG FROM 12,333 TO SURFACE 500 5 MIN. MIX & PUMP 102 BBL 9.7 PPG P&A MUD. PULL AND LAY DOWN 94 JTS 3.5 INCH 8RD TBG. REVERSE CIRC WELL. RIG UP FCI. TEST LINES LOW 300# & HIGH 3000#. MIX AND PUMP 102 BBL 9.7 PPG P&A MUD. PULL AND LAY DOWN 30 JTS 3.5 & 26 JTS 2.875 TBG. REVERSE OUT. CLOSE IN WELL.

11/14/95
OPEN WELL, NO PRESSURE. LAY DOWN 34 JTS 3.5 INCH TBG. RIG UP FCI. MI AND PUMP 21 CU FT, 14 SX, CLASS G CMT WITH 4% GEL TBG TAIL @ 7018. DISPLACE WITH 40 BBL LEASE WATER. PULL, LAY DOWN 5 JTS. REVERSE OUT. MIX AND PUMP 130 BBL 9.7 PPG P&A MUD FROM 6918 TO 3500 FT. PULL & LAY DOWN 84 JTS 2.875 INCH TBG. REVERSE OUT. PULL 3+0. CLOSE IN WELL. REMOVE ALL LADDERS FROM TANK AND RIG. SECURITY RELIEF. LOCK OUT TANKS.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

RECEIVED
NOV 29 1995
DIVISION OF OIL, GAS AND GEOTHERMAL RES
VENTURA, CALIF

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 67, Sec. 19, T 4N, R 16W, S.B. B. & M.

A.P.I. No. 0403716526 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistan (President, Secretary or Agent)

Date 11/20, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilli or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amou of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

WELL RECORD CONTINUED: PG 2 OF 2

11/15/95
RIG UP KFE WIRELINE. RIH W/LINK JET PERFORATOR. SHOOT 40 HOLES FROM 3490 TO 3500 FT. POOH, RIG UP FCI CEMENTERS. WITH TBG TAIL @ 3503 FT PUMP 5 BBL F/W AHEAD. MIX AND PUMP 61 CU FT, 41 SX, CLASS G CMT WITH 19 BBL. PULL 10+0 TO 2886 FT. SQUEEZE OUT 2 BBL @ 800#. CLOSE IN TBG. WAIT ON CMT. RIH, TAG CMT @ 3203 FT. MUD UP FROM 3203 TO 867 FT W/90 BBL 9.7 PPG P&A MUD. LAY DOWN 84 JTS OF 2.875 INCH TBG. REVERSE CIRC. LAY DOWN 29 JTS. RIH W/10+0. CLOSE IN WELL. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEPHEN P. MULQUEEN, WITNESS TAG OF CEMENT @ 3203 FT.

11/16/95
RDMO. OPEN WELL, NO PRESSURE, RIG UP KFE WIRELINE. RIH, SHOOT 80 HO FROM 847 TO 867. POOH, RIG OUT WIRELINE. RIH W/29 JTS 2.875 INCH TBG TO 880 FT. MIX AND PUMP 468 CU FT, 314 SX, DOWN 2.875 INCH TBG, UP 7 INCH AND 10.75 INCH CSG. POOH, LAY DOWN 29 JTS. TOP FILL CSG WITH 3 BBL CMT. CLEAN TOOL AND TBG. RDMO. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEPHEN MULQUEEN, WITNESSED PLACEMENT OF CMT FROM 880 TO SURFACE IN 7 AND 10.75 INCH CSG, 468 CU FT, 314 SX.

WELL IS PLUGGED TO SURFACE.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T295-195

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 20, 1995

Your operations at well "Newhall Land & Farming Co." 67, API No. 037-16526, Sec. 13, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 11-16-95. Steve Mulqueen, representative of the supervisor, was present from 0900 to 1100. There were also present Ken Kennedy

Present condition of well: 10 3/4" cem 870'; 7" cem 13,256', perf 12,770' WSO (cem off), cp 847'-867', cp 3490'-3500', perfs 12,814'-12,875' (cem off) & perfs @ int 12,875'-13,036'. TD 13,170'. Plugged w/cem 13,020'-12,333', 7018'-6918', 3503'-3203' & 880'-10'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURC

T295-195

CEMENTING/PLUGGING MEMO

Operator EXXON CORP. Well No. "Newhall Land & Farming" [illegible]
API No. 037-16526 Sec. 13, T. 4N, R. 17W, SB B
Field CASTAIC JUNCTION ,County LOS ANGELES . On 11-16-95
Mr./Ms. [illegible] MULQUEEN, representative of the supervisor, was present from 0900 to 1100.
There were also present [illegible]
Casing record of well: 10¾" cem. 880'. 7" cem. 13276 [illegible]
[illegible]
[illegible]

The operations were performed for the purpose of [illegible]
6918 [illegible] 3203 [illegible]

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ______' are approved.

Hole size: ____" fr. ____' to ____', ____" to ____' & ____" to ____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
[illegible]		[illegible]	[illegible]	[illegible]	TBG [illegible]	[illegible]	[illegible]	3203	[illegible]	[illegible]	[illegible]

Casing/tubing recovered: ____" shot/cut at [illegible]', [illegible]', ____' pulled fr. ____';
____" shot/cut at [illegible]', [illegible]', ____' pulled fr. ____'.

Junk (in hole): ____

Hole fluid (bailed to) at ____'. Witnessed by ____

Mudding	Date	bbls.	Displaced	Poured	Fill	Engr.
9.6#/[illegible]	11-13-95	200	TBG @ 10333	—	7000±	SFM
"	11-14-95	135	" 6918	—	3500±	"
"	11-15-95	90	" 3203	—	30??	"

TAG [illegible] @ 13030'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
11-10	119 cf	TBG @ 13030'	—	RCP.	10 333	OK #	11/13	SFM
11-14	21 cf	TBG @ 7018'	—	"	6918'	—	11/14	RCP.
11-15	61 cf	TBG @ 3503'	—	"	3203'	10K #	11/15 1330	SFM
11-16	468 cf	TBG @ 880'	1000	SFM	10'	VISUAL	11/16 1030	

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P295-171

PERMIT TO CONDUCT WELL OPERATIONS

126 (field code)
00 (area code)
-- (new pool code)
21 (old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
July 17, 1995

Your proposal to abandon well "Newhall Land & Farming Co." 67, A.P.I. No. 037-16526, Section 19, T. 4N, R. 16W, S.B. B.&M., Castaic Junction field, ---------- area, 1C-A pool, Los Angeles County, dated 7/10/95, received 7/13/95, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOGGR Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 13,170'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plugs at 12,540', 6,900' and 3,380'.
   b. To witness the mudding of the well.
   d. To witness the placing of cement inside the 7" casing and all annuli.
   D. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____

Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

F26
20
21-North 30

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

Notice of Intention to Abandon Well
File in Duplicate

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	✓	✓

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well NEWHALL LAND & FARMING CO. 67, API No. 0403716526,
Sec. 13, T 4N, R 17W, S.B. B. & M., CASTAIC JUNCTION Field, LOS ANGELES County,
commencing work on 05/05, 1995.

The present condition of the well is:

1. Total depth 13170

2. Complete casing record, including plugs and perforations (present hole)
10 3/4 40.5# J-55 @ 0' - 870' (SURFACE)
7' 26-32# N-80 @ 0'- 13256'

3. Last produced 07/01/1988 (Date) 51 (Oil, B D) 156 (Gas, Mcf D) 8 (Water, B D)

or

4. Last injected _____ (Date) _____ (Water, B D) _____ (Gas, Mcf D) _____ (Surface pressure)

Additional data for dry hole (show depths):

5. Oil or gas shows
ZONE #19 12640'

6. Stratigraphic markers

7. Formation and age at total depth

8. Base of fresh water sands 867'

9. Is this a critical well according to the definition on the reverse side of this form? ☐ Yes ☒ No

The proposed work is as follows:
1. MIRU . INSTALL AND TEST A DOG CLASS II BOP. CLEAN OUT THE 7" CASING TO PBTD @13170'
2. PLACE A CLASS 'G' NEAT CMT PLUG FROM 12540' - 13170' W/124 SX OF CMT.
3. CIRCULATE HOLE WITH 9.7 PPG MUD/ 72 LBS CU FT.(LEAVING MUD BETWEEN ALL CEMENT PLUGS)
4. PLACE A CLASS 'G' NEAT CMT PLUG FROM 6900' - 7000' W/ 192 SX OF CMT.
5. RIG UP PERFORATORS AND PERFORATE A 10' INTERVAL W/4 SPF @ 3480' - 3500'
6. PLACE A CLASS 'G' NEAT CMT PLUG FROM 3400' TO 3500' W/ 47 SX CMT
7. RIG UP PERFORATORS AND PERFORATE A 20' INTERVAL W/4 SPF @ 847' - 867'
8. PLACE A CLASS 'G' NEAT CMT PLUG FROM SURFACE TO 867' W/ 392 SX OF CMT
9. CUT OFF CASING @ 5' AND WELD PLATE WITH WELL IDENTIFIER AND CLEAN LOCATION DOG WILL INSPECT

PLEASE CALL RESERVOIR ENGINEERING, JIM SHIRLEY @ 915 688-6698 WITH ANY QUESTIONS REGARDING THIS PROCEDURE

RECEIVED
JUL 13 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address ATTN: REGULATORY AFFAIRS ML#14 (Street)
P. O. BOX 1600
MIDLAND, TX 79702
(City) (State) (Zip)

Telephone Number (915) 688-6166 (Area Code) (Number)

EXXON CORP. (Name of Operator)

By Sharon B. Timlin (Print Name)

Sharon B. Timlin (Signature) 07/10/95 (Date)

FORM 105

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

DIVISION OF OIL AND GAS RECEIVED 15 APR 1 3 1960 INGLEWOOD, CALIFORNIA

037-16526

D

Los Angeles Calif. April 8, 1960

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. Newhall Land & Farming Co. 67, Sec. Proj. 13, T. -4-N, R. -17-W, S. B.B. & M., Castaic Junction Field, Los Angeles County.

Legal description of mineral right lease, consisting of 3546.7 acres, is as follows: See attached plat (Attach map or plat to scale)

Do mineral and surface leases coincide? Yes XX No .... If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of Well: 8,628 feet East (Direction) ~~along section line~~ property and 2,025 feet North of (Direction) ~~at right angles to said line from the~~ property corner of ~~section~~ 11 Rancho San Francisco, also, 660 feet East and 1,840 feet North of the Southwest corner of Projected Section 13.

Elevation of ground above sea level .... feet to be submitted later datum.

All depth measurements taken from top of Kelly Bushing (Derrick Floor, Rotary Table or Kelly Bushing) which is to be submitted later feet above ground.

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
10-3/4"	40.5#	J-55	0	850	Cemented to surface
7"	26, 29 & 32#	N-80	0	13,500	Cement 1000 ft. above shoe

Intended zone or zones of completion: Zone 21 (Name) 12,000 to 13,500 ft. (Depth, top and bottom)

Estimated total depth 13,500 ft.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
150	RJ				
K	4-14				

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address 612 South Flower St.
Los Angeles 17, California

Telephone Number MAdison 6-7701

HUMBLE OIL & REFINING COMPANY (Name of Operator)

By N N Jones

Type of Organization (Corporation, Partnership, Individual, etc.)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
December 4, 1992

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 72, A.P.I. No. 037-16530, Section 13, T. 4N, R. 17W, SB B.&M., Castaic Junction field, Los Angeles County, dated June 5, 1992, received June 9, 1992, has been examined in conjunction with operations witnessed and records filed in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR Exxon Corp.
WELL NO. "Newhall Land & Farming Co" 72
MAP

INTENTION	ABd					
NOTICE DATED	6-5-92					
P-REPORT NUMBER	292-142					
CHECKED BY/DATE	[illegible]					
MAP LETTER DATED	11-21-92					
SYMBOL	-3-					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	11-9-92											
HISTORY	11-17-92											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

-REPORTS	✓					
PERATOR'S NAME	✓					
ELL NO.	✓					
OC & ELEV	✓					
IGNATURE	✓					
URFACE INSP.	6-5-92 SM					
RILL CARD						

ECORD'S COMPLETE _____ _____ _____ _____ _____ _____

FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

JECTION BOOK _____
LE WELL LIST _____
RFACE INSP. CARD _____

REMARKS: _____

TO RELEASE FROM CONFIDENTIAL _____
ANDONED-REMOVED FROM E.D.P. _____

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

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History of Oil or Gas Well

Operator Exxon Corp. Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. 72, Sec. 13, T 4N, R 17W, SB B. & M.
A.P.I. No. 037-16530 Name Judy Bagwell (Person submitting report) Title Sr. Staff Office (President, Secretary or Agent)
Date October 1, 19 92

Signature Judy Bagwell

Environmental & Regulatory Affairs, P. O. Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

08-31-92 Rig up pump and tanks. Fill tank and pit with 580 bbl lease water. Open tubing and casing (no pressure). Attempt to pump down 2-7/8 tubing. Pressure up 700# after 35 bbl. Bleed down slowly. Pump down 7" casing. Returns up tbg to Baker tank. Pump 200+ bbl total. Recovered approximately 120 bbl oil. Rig up Coast Slickline. RIH with 2" tubing plug. Attempt to set from 60' to 400', could not set. RIH with 2-1/2 tbg plug. Attempt to set, could not set. RIH with 1-3/4 sinker bars, stopped at 10,907'. POOH. Rig out Coast Wireline.

09-01-92 No well work.

09-02-92 Move in, rig up. Open well, no pressure. Rig up Coast Slickline. RIH with 2-1/2 slip type tubing plug to 135'. Set. POOH. ND production tree, install and test Division of Oil and Gas Class II BOP. Rig up working floor and tubing equipment. BOP test okay. Rig up Coast. RIH, retrieve 2-1/2 tubing plug. POOH. Rig out Coast. Unland tubing. Work stuck tubing, came free after 2-1/2 hours. Pull 8 joints 2-7/8 tubing, laying down. Close in well.

09-03-92 Open well (no pressure). Change rams from 2-7/8 to 2-3/8. POOH, laying down 2-3/8 tubing. Fill well while pulling (no gain, no loss). Lay down 403 joints. Stand back 9 stds, 558' 2-3/8 tubing. Lay down Bowen overshot. RIH with 9 stds 2-3/8 kill string. Close in well.

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NOV 13 1992
VENTURA, CALIFORNIA

09-04-92 Open well, no pressure. POOH with 18 joints 2-3/8 tubing, laying down. Change pipe rams to 2-7/8. Pick up and tally. 4 4-3/4 DC and 4-3/4 jars and 30' 5-3/4 WP with 5-3/4 shoe. Pick up and measure joints 2-7/8 N-80 tubing. Close in well.

09-05-92
through
09-07-92 No well work.

09-08-92 Open well (no pressure). Reverse circulate well, very little oil for 20 minutes. Continue picking up 2-7/8 N-80 tubing. Pick up 228 joints. Pick up 63 joints 2-7/8 P10S tubing. Tag up at 12,890'. Rig to circulate. Reverse circulate down to 12,894'. Pull 50 stds to 9800'$\pm$. Close in well.

09-09-92 Open well (no pressure). RIH with 50 stds 2-7/8 tubing. Tag at 12,893' Rig up power swivel. Reverse circulate to 12,894'. Assume we are at to of packer. Circulate well. POOH with 2-7/8 tubing. Found tight spot at 10,820'. Continue POOH with tubing. Pull 195 stds. Close in well.

09-10-92 Open well (no pressure). Continue POOH with 2-7/8 tubing and 5-3/4 WP. Pulled 155 stds. Stand back 4 4-3/4 DC. Lay down WP 30' with shoe. Shoe shows signs of being on packer. Make up 5-3/4 X 2-3/8 overshot. Make up B.S. with jars and 4 4-3/4 DC. RIH with 155 stds 2-7/8 tubing. Close in well.

09-11-92 Open well, tubing and casing on vaccum. Run in hole with 100 joints 2-7/8 tubing. Latch on fish at 12,984'. Work stuck tubing. Attempt to release packer by turning to right. Jar on packer with 124,000# (no movement at packer). Rig up Dia-Log electric line. RIH with 1-11/16 free point. Tool stopped at 12,977' (wireline measure). Locate top of fish at 12,940'$\pm$. Free point tubing at 12,970'. Showing free just below packer. Pull out of hole with wireline. Rig out Dia-Log. Release overshot from top of packer. Pull out of hole with 100 joints to 9884'. Close in well.

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NOV 1 3 1992
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09-12-92
through
09-13-92 No well work.

09-14-92 Open well (no pressure). Continue pulling out of hole with 2-7/8 tubing and fishing tools. Pulled 310 joints. Lay down fishing tools and stand back 4 drill collars. Measure and pick up 5-3/4 X 30' wash pipe with Tunstin Carbine. Wash over shoe. Run in hole with 4 4-3/4 drill collars and 4-3/4 hyd jars. Run in hole with 310 joints 2-7/8 tubing. Held BOP drill. Close in well.

09-15-92 Open well (no pressure). Continue running in hole with 2-7/8 tubing and wash pipe and milling shoe. Run 100 joints. Tag top of packer at 12,894'. Circulate well. Fill well with 40 bbl lease water. (fluid level at 1050'). Rig up power swivel. Milling and circulating from 12,894' to 12,898'. Made approximately 4'. Mill wore out. Pull out of hole with 100 joints. Close in well.

09-16-92 Open well (no pressure). Continue pulling out of hole with 2-7/8 tubing and 5-3/4 wash pipe and shoe. Pulled 310 joints. Stand back 4 4-3/4 drill collars. Lay down 5-3/4 X 30' wash pipe. Lay down shoe. Shoe showed 2.9 feet over packer (slips are 1.9 feet from top of packer). Make up 5-3/4 overshot with 2-3/8 grapple. Jars and bumper sub on 4 4-3/4 drill collars. Run in hole with 310 joints. Close in well.

09-17-92 Open well (no pressure). Continue running in hole with 2-7/8 tubing and fishing tools. Tag fish at 12,892'. Latch on fish. Work tubing and packer, jarring at 130,000#. No movement. Rig up Coast wireline (slickline). RIH with 1-1/2 sample bailer. Tag obstruction at 13,041'. Push obstruction down to 13,100'. Stopped. Pull out of hole (tool showed possible metal obstruction). Run in hole with 1.70 sample bailer. Tool stopped at 13,085' work. No further movement. POOH. Rig out wireline. Close in well.

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NOV 13 1992
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09-18-92 Open well (no pressure). Rig up Dia-Log. RIH with 1-5/8 free point. Tag at 12,985'. Free point at 12,975', showed free. POOH. Make up 1-11/16 jet cutter. RIH to 13,100', locate collar at 13,084'. Cut tubing at 13,095'. Pull out with line. Rig out Dia-Log. Jar on tubing at 130,000#. Jar loose pulling out. Dragging 10-20K over. Pull 100 joints. Close in well.

09-19-92
through
09-20-92 No well work.

09-21-92 Open well (no pressure). POOH with fishing tool and fish. Pulled 310 joints. Stand back 4 4-3/4 drill collars. Lay down fishing tools and fish (5' 2-3/8 stub, 7" locset packer, 6 joints 2-3/8 tbg, 20' 2-3/8 stub). RIH with 4 4-3/4 drill collars. Pull out laying down on trailer. Load fishing tools on trailer. Break out and load out 3.5 power swivel. RIH with 310 joints 2-7/8 tubing open ended. Close in well.

09-22-92 Open well (no pressure). Continue running in hole with 2-7/8 tubing. Run 100 joints. Pick up 12 joints off trailer. Tag top of fish at 13,093'. Pull up to 13,078'. Reverse circulate well (no gas or oil). Rig up Halliburton test lines, 250 low and 3500# high, ok. Circulate well. Break down formation at 1200# 3.5 BPM. Mix and pump 87 ft^3, 56 sacks neat cement with 40% silica flour and .75% CFR-3 and .5% HR-7. Displace with 412 ft^3 fresh water. Maximum pressure 2000#, pumping at 1400#. Rig out Halliburton. Pull 8 stds 496'. Reverse circulate 75 bbl$\pm$ 35 minutes, very little cement return. Attempt to squeeze away 2 bbl at 1200#. Squeeze away approximately 7 bbl total during reverse circulate and pumping of cement. Pull 5 stds 310'. Close in well.

09-23-92 Open well (no pressure). RIH, tag top of cement at 12,685'. Placement of cement and tag witnessed and approved by P. Wygle, Division of Oil and Gas. Pressure up casing from 0 to 12685', 500 psi, hold for 5 minutes. OK. Pull out laying down 12 joints. RIH with 6 stds. Pump 34 bbl 9.7 ppg mud

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NOV 13 1992
VENTURA, CALIFORNIA

down tubing, also witnessed and approved by P. Wygle. Displace with 69 bbls fresh water. Pull 27 joints, laying down. Reverse circulate. Rig up Halliburton. Test lines - 250 low, 3500 high. OK. With tubing tail at 11,814', mix and pump 94.5 ft^3, 60 sacks neat cement with 40% silica flour and .75% CFR-3 and .5% HR-7. Maximum pressure 1700#. Displace with 64 bbl fresh water. Pull 7 stds to 11,372'. Reverse out 67 bbl. Rig up Halliburton. Test lines - 250 low, 3500 high. OK. Mix and pump 94.5 ft^3, 60 sacks of same mix. Maximum pressure 1600#. Displace with 62 bbl fresh water. Pull 8 stds to 10,876'. Reverse out 67 bbl. Pull stds to 10,256'. Close in well.

09-24-92 Open well (no pressure). RIH with 2-7/8 tubing. Tag top of cement at 10,951'. Lay down 28 joints 2-7/8 tubing. Run in hole with 14 stds. Pump 31 bbl 9.7 ppg mud down tubing. Displace with 59 bbl fresh water. Lay down 25 joints 2-7/8 tubing. Reverse circulate. Cement tag and mudding of well witnessed and approved by P. Wygle, Division of Oil and Gas. Rig up Halliburton. Test lines - 250# low, 3500# high. OK. With tubing tail at 10,151', mix and pump 79 ft^3, 49 sacks neat cement with 40% silica flour and .75 CFR-3 and .5% HR-7. Displace with 58 bbl lease water. Pull 14 joints. Reverse out 60 bbl and pull 5 stds to 9395'$\pm$. Close in well.

09-25-92 Open well (no pressure). RIH with 2-7/8 tubing. Tag top of cement at 9920'. Pump 425 bbl 9.7 ppg mud down tubing, up casing to Baker tank. POOH. Laying down 2-7/8 N-80 tubing, lay down 160 joints. Close in well. Cement tag and mudding of well was witnessed and approved by P. Wygle, Division of Oil and Gas.

09-26-92
through
09-27-92 No well work.

09-28-92 Open well (no pressure). Continue laying down 2-7/8 N-80 work string, 135 joints. Stand 19 stds in derrick and fill 7" casing with 9.7 ppg mud. Rig up pump hose to 10-3/4 casing (no pressure). Rig up Dia-Log to shoot holes

DIVISION OF OIL AND GAS
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NOV 1 3 1992
VENTURA, CALIFOR

in 7" casing. RIH and shoot 40 holes at 1141' to 1151'. Shoot 40 holes at 1125' to 1135'. Rig down Dia-Log. Trip in Hole with 19 stds. Circulate down tubing with 9.7 ppg mud out 10-3/4 casing to Baker tank. Returns are oil and H_2O. Pump 100 bbls 9.7 ppg mud down 10-3/4. Rig up Halliburton. Test lines - 300# low, 3000# high. With open ended tubing at 1134', mix and pump 87 sacks, 100 ft^3, of Class G neat cement to place a balanced plug in 7" and 7" X 10-3/4" casings and displace with 5.2 bbls. Cement operations were witnessed and approved by F. Neese, Division of Oil and Gas. POOH 19 stds. Rig up Dia-Log. Shoot holes at 110'. Shut in well.

09-29-92 RIH to tag cement at 909'. Fill 7" casing and 10-3/4" casing with 9.7 mud. Lay down 2-7/8 work string. RIH with 3 stds. Rig up Halliburton. Test lines to 500#. Pump 67 ft^3, 59 sacks, cement through tubing up 7" casing and 10-3/4 casing. Cement tag and surface plug operations were witnessed and approved by F. Neese, Division of Oil and Gas. Clean BOPE, pump hoses. Rig out work floor, nipple down, rig out all equipment. Rig down, move off. Well is plugged and abandoned.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-200

REPORT ON OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
October 19, 1992

Your operations at well "Newhall Land & Farming Co" 72, API No. 037-16530 Sec. 13, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 9-29-92. Fariba Neese, representative the supervisor, was present from 1000 to 1200. There were al present Dave Morris (Exxon) & Mark Breeding (Pool)

Present condition of well: 10 3/4" cem 1141'; 7" cem 13662', holes @ 10035 11110', 11173' & 11695' (cem off), perf 12829', perf 12960' (WSO), perf int) 12972'-13100' & 13135'-13190'. TD 13696'. Junk: tbg w/top @ 13095' pkr 13105'. Plugged w/56' 3 of cem thru fish @ 13095' & w/cem 13095'-12685 11814'-10951', 10151'-9920', 1134'-909', 93'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

FN:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

SP

Operator Exxon Corporation **Well No.** "Newhall Land & Farming Co." 72
API No. 037-16530 **Sec.** 13, **T.** 4N, **R.** 17W, S.B. B&M
Field Carlos Junction, **County** Los Angeles. **On**
Mr./Ms. [illegible], representative of the supervisor, was present from 1000 to
There were also present
Casing record of well: 7" cem
The operations were performed for the purpose of

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: _____" shot/cut at _____', _____', _____' pulled fr. _____';
_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole):
Hole fluid (bailed to) at _____'. **Witnessed by** _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
9-22	50 cf	tbg 13,078 w/ 50 cf thru perfs	1600	FW				
9-23	150 cf	tag 11,814			10,[illegible]			
9-26	79 cf	✓ 10,151		✓	9[illegible]			
9-28	100 ft³	tag @ 1140'	0900 1400	FMN	909			
9-29	67 ft³	tag @ 93'		FMN	5' *	visual	10/6 1000	SPM

*TOPPED OFF 7" W/ 2SX CEM TO SURFACE.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-148
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 30

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
June 17, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 72, A.P.I. No. 037-16530, Section 13, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ------ area, 21-North pool, Los Angeles County, dated 6/5/92, received 6/9/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 5M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 13,696'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 9935' & 1035'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:tkc

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By
Patrick J. Hinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

January 6, 1999

Jere Keprios, Agent
EXXON CORPORATION
818 w. Seventh Street
Los Angeles, CA 90017

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 76,

A.P.I. No. 037-16534, Section 13, T. 4N, R. 17W, SB B. & M.,

Castaic Junction field, Los Angeles County,

dated September 28, 1993, received October 6, 1993, has been

examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and filing of well records.

NOTES: 1. Surface plugging completed on October 13, 1993.

2. Site inspection made and approved August 26, 1998.

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
(Signature of Deputy Supervisor)

Patrick J. Kinnear
(Typed Name of Deputy Supervisor)

OG159 (4/98)

OPERATOR EXXON CORP
WELL NO. "N.L. & F" 76
MAP

A.P.I. 037-16534
SECTION 13, T. 4 N, R. 17 W

INTENTION	ABANDON					
NOTICE DATED	—					
P-REPORT NUMBER	293-214					
CHECKED BY/DATE						
MAP LETTER DATED	5 [illegible]					
SYMBOL	+					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEE
NOTICE	9-2-93											
HISTORY	[illegible]											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE						
SURFACE INSP.	8-28-98 ✓					
DRILL CARD						
RECORD'S COMPLETE	8-28-98 ✓					

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD
OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

REMARKS:

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY Exxon WELL NO. Newhall (Land) Farming Co 76

API NO. 037-16534 SEC. 13, T. 4, R. 17, SB B.&M.

COUNTY LA FIELD Castaic Jct.

RBDMS DATA ENTERED: 11/12/96
(DATE)

BY: SAI
(NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

WELL CONSTRUCTION DATA ONLY

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. #76, Sec. 13, T 4 N, R 17W, S.B.B. & M.
A.P.I. No. 037-16534 Name Donna R. Devience (Person submitting report) Title Sr. Geological Ass (President, Secretary or Agent)
Date September 28, 1993

Signature Donna R. Devience

Environmental & Regulatory Affairs P.O. Box 1600 Midland, Tx. 79702 (915) 688-7882
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

(See Attachment)

DIVISION OF OIL AND GAS
RECEIVED
OCT 6 1993
VENTURA, CALIFORNIA

OG103 (6/91/GSR1/5M)

MORNING REPORT

NEWHALL LAND & FARMING CO - 0076 Lease# 061590 Job# 60009000
Field Supt R. O. Storey CMP# 4037165340001 AFE# 00040432
PLUG AND ABANDON

Expected Buildup oil/gas /
Estimated PI

--- 09/01/93 Daily
Safety mtg. Service rig & equip. Open well (no pressure). RIH w/2-3/8in tbg. Tag top of cement @ 1297ft ok. Pooh, lay down 46 jts 2-3.8 tbg on trailers. With tbg tail @ 124 ft rig up Halliburton. Test lines. Held safety mtg, on not to exceed 500 psi.
Mix & pump 91 cuft, 85 sx neat cement down 2-3/8 tbg up 5.5in & 10.75in casings to surface. Rig out Halliburton. POOH lay down 4 jts. clean tbg & BOE & tbg equip. Rig out working floor & tbg equip. N.D. class III, BOP. LOAD OUT BOE. RDMO
Div of Oil & Gas: Witness tag @ 1297ft and ok circulating cement from 0 to 119 ft. Stephen Mulqueen was the DOG representative

--- 08/31/93 Daily
Safety mtg. Open well (no pressure). Attempt to run Robbies 5.5in Squeeze Packer, stopped @ 129ft, top holes. POOH. Rih w/50 jts 2.375in tbg. (collars hanging up on csg) W/tbg tail @ 1550ft, circulate mud. Rig up Halliburton mix & pump 172 cuft, 150 sx neat cement @ 300 PSI max. Displace with 2 bbl field water. Pooh w/25+0 2.375in tbg. Secure well, eot.

--- 08/30/93 Daily
Safety mtg. Open well (no pressure). Cont laying down 2-3/8in tbg. Lay down 199 joints. Rig up MMI (Electric Line). Make up 20ft dyna strip shot, 80 shot @ 4 spf. Rih, locate csg collar @ 1587. Shoot holes from 1566-1586 ft. POOH, attempt to relieve pressure on 10 3/4in csg. Bull plugs on both sides. Pressure not bleeding down. Fill well w/10.1 ppg P&A mud. Tighten bull plugs on 10.75in csg. Rig up MMI. RIH w/2ft dyna strip shot to 121 feet. Found csg collar @ 122ft. Rig up Lubricator and blow down line. Position crew on manifold & accumulator. Shoot holes from 119-121 ft. Bleed well, Pooh w/electric line. Rig out MMI. Pump 10 bbls 10.1 ppg mud down 5.5csg. Secure well, eot

--- 08/26/93 Daily
Attend safety mtg. Service rig & equip. Open well (no pressure). RIH tag top of cement @ 12976 ft. Pressure test csg f/0 to 12976 ft. to 500#, 5 min ok. Circulate 300 bbls 10.1 ppg mud down tbg up csg. Pooh laying down 2-3/8in tbg. Lay down 220 joints, close in well. eot.
Div Oil & Gas, Peter R Wygle, witnessed tag of cement @ 12976 ft. and 350 bbls 10.1 ppg mud and integrity test of csg from 12976ft to surface @ 500#.

--- 08/25/93 Daily
Service rig & equipment. Check well (no pressure). Cont rih w/2-3/8 tbg Run 40+0. Measure & pick up 27 jts 2-7/8in tbg. Tag fill @ 13363 ft. Attempt to clean out tbg plugging. circulate well. Rig up Halliburton with tbg tail @ 13363. Test lines 250# low, 4500# high, ok. Mix & pump 52 cuft, 32 sx class G cement. Displace with 52 bbl lease water @ 3000 lb max. Rig out Halliburton. POOH w/8+0. Reverse circulate. 40 min. Pull 5+0 to 12464 ft. Secure well. eot.
Cement mix is Class G cement with 40% Silica Flour + .5% HR-7 + .5%

NEWHALL LAND & FARMING CO - 0076 Lease# 061590 Job# 60009000
Field Supt R. O. Storey CMP# 4037165340001 AFE# 00040432
PLUG AND ABANDON

Expected Buildup oil/gas /
Estimated PI
CFR-3.
Div of Oil & Gas, Steve Fields, OK clean out to 13363 ft and cementing from 13363 to 12963 feet.

--- 08/24/93 Daily
15 min safety mtg. Check well, tbg 0#, csg 20#. Bleed well circ 40 bbls down csg. Cont pooh & measuring 2-3/4in tbg. Pull 134+0. Lay down gas valves and Baker 5-1/2in R-3 DG Packer. Make up 2-3/8in mule shoe collar. RIH w/210+0 stands of 2-3/8in tbg. Secure well. eot

--- 08/23/93 Daily
Held 15 min safety mtg. Drive to rig, service equip & rig. Check well, tbg 120#, csg 20# psi. Bleed well. Reverse circ down 40 bbl lease water Rig up Lee Archer wireline (slick line). RIH with 2-3/8in tbg plug. Set @ 300 ft. POOH, unland wellhead. NU class III BOP & BOE and rig up slick line. RIH, retrieve plug @ 300 ft. POOH rig out slick line. Unland tbg. Work packer loose for 2 hours. Very tight. Measure out 100+ 0 2-3/8in tbg. Fill hole while pulling tbg. No fluid loss or gain. Secure well, eot.

--- 08/19/93 Daily
Held 10 min safety mtg. Drive to rig. Open well, tbg pressure 70#, csg 200#. Attempt to run 2.375 tbg. Plug w/slickline. Bottom master valve on prod tree. Stem broke on valve. Attempt to circ & reverese circ. Valve leaking, but closed. Wait on orders, break out packing on master valve. Change shear pin, tbg flowing & casing flowing oil. Attempt to circulate tbg. plugged after bbl. Reverse circulate 250 bbls lease water close in well eot.

--- 08/18/93 Daily
Drive rig from NL&F # 53 to location. MIRU. Guyed rig out fully. Spot tanks & rig pump. EOT

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T293-261

Report on Operations

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 19, 1993

Your operations at well "Newhall Land & Farming Co" 76, API No. 037-16534, Sec. 13, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 10-13-93. Pete Wygle, representative of the supervisor, was present from 0800 to 0900. There were also present Dan Mullins

Present condition of well: 10 3/4" cem 1590'; 5 1/2" cem 13,539', perf 13,259' wso, cp 119' & cp 1566' - 1586', perfs @ int. 13,284' - 13,438'. TD 13,550'. Plugged w/ cem 13,550' - 13,453', 13,363' - 12,976', 1550' - 1297' & 124' - 5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

scv

William F. Guerard, Jr.
State Oil and Gas Supervisor

By

Patrick J. Kinnear
Deputy Supervisor

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

44

Operator Exxon Corp.   Well No. "Newhall Land & Farming Co" 7[illegible]
API No. 037-16534   Sec. 13, T. 4N, R. 17W, SB B&M
Field Castaic Jct.   County LA.   On ~~9-1-93~~ 10-13-93
Mr./Ms. ~~S. Mulqueen~~ P. Wylie, representative of the supervisor, was present from 0800 to 09[illegible]
There were also present ~~C. Ballard, operator's rep.~~ DAN MULLINS

Casing record of well: 10¾" cem 1590'; 5½" cem 13539' perf 13259' WSO cp 119' & cp 1566 - 1586' perfs @ int. 13284' - 13458'. TD 13550. Plugged [illegible] 13363' - 12976' 1550' - 1297' & 124' - 5'.

The operations were performed for the purpose of abandonment

[X] The plugging/~~cementing~~ operations as witnessed and reported are approved.

[ ] The location and hardness of the cement plug @ ________' is approved.

Hole size: ______" fr. ______' to ______', ______" to ______' & ______" to ______'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: ______" shot/cut at 1566', 1586', ______' pulled fr. ______';
______" shot/cut at 119', 10', ______' pulled fr. ______'.

Junk (in hole): ______

Hole fluid (bailed to) at ______'. Witnessed by ______

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
10.1 mud	8/26	350	tbg 12,976	—	[illegible]	[illegible]
CLAY GEL 10.1 [illegible]	[illegible]	[illegible]	TBG @ 1297	—	SURFACE	S.MULQUEEN

CO 13 363'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
8/25	[illegible]	tbg 13 363	—	[illegible]	[illegible]	[illegible]	8-26 0800	[illegible]
8/31	172 cf	TBG @ 1550'	—	REPORTED	1297'	[illegible] TBG [illegible]	9/1 0800	S.MULQUEEN
9-1	91 cf	✓ 124	—		5'		10/13/93	~~REPORTED~~ PW)

Insp. sfc plug 10-13-93 OK PRW

OGD10 (10/90/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No. P293-214
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 30

PERMIT TO CONDUCT WELL OPERATIONS
WATERFLOOD

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
July 7, 1993

Your proposal to abandon well "Newhall Land & Farming Co." 76, A.P.I. No. 037-16534, Section 13, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, --- area, 21 North pool, Los Angeles County, dated ---, received 7-2-93, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 13,438'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.

Continued on Page 2

Blanket Bond
PK:SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

12/6/93 21 Month

NOTICE OF INTENTION TO ABANDON WELL

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	7-2-93	

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land & farming Co. 76 (Well designation), API No. 037-16534

Sec. 13, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 6/29, 1993.

The present condition of the well is:

1. Total depth 13,550

2. Complete casing record, including plugs and perforations
   10 3/4" 40.5# casing @ 0'-1590'
   5 1/2" 17/20# casing @ 0'-13,539'
   perfs: 13,284'13,438' WSO: 13,260'

3. Last produced 09/76 5 47 70
   (Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

   OR

4. Last injected _____
   (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost oil or gas shows

   Top of Zone 21 "A" : 13,280'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 1590'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1 MIRU. Install and test a DOG class II 5M BOPE.
2. Clean to bottom of 5 1/2" casing @ 13,539'.
3. Place class "G" cement plug from 13,539'-13,160', cementing the 5 1/2" casing perfs and 100' above WSO at 13,260', TOC at 13,160'. DOG to witness.
4. Shoot 4 SPF in the 5 1/2" casing @ 1590'to 1580' and place a class "G" cement plug from 1590' to 1490',squeezing the 5 1/2" x 10 3/4" annulus. DOG to witness.
5. Shoot 4 holes in the 5 1/2" casing @ 100' and circulate a class "G" cement plug from 100' to the surface getting returns in the casing/conductor annulus. DOG to witness.
6. Cut of casing @ 5' and weld plate with well identifier.
7. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive P.O. Box 1600
(Street)

Midland, Tx. 79702
(City) (State) (Zip)

Telephone Number 915-688-7888

Exxon Corporation
(Name of Operator)

By Stephen Johnson
(Name-Printed)

S. Johnson
(Name-Signature) (Date)

Type of Organization Corporation

OG108

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

SUBMIT IN DUPLICATE

Operator HUMBLE OIL & REFINING COMPANY Well No. Newhall Land & Farming Co. No. 76

Sec. 13, T. 4N, R. 17W S.B. B. & M. Castaic Junction Field Los Angeles County

Location 126 feet south along section line and 400 feet west at right angles to said line fro the East 1/4 corner of Section 13 Elevation of ground above sea level 1193 feet

All depth measurements taken from top of Kelly Bushing which is 14 feet above ground

In compliance with Sec. 3215, of the Public Resources Code, the information herein is a complete and correct record of the present condition of the well and all work done thereon so far as can be determined from all available records.

Date March 26, 1964 Signed W B Luxenburg

W B Luxenburg Title District Superintendent

Commenced drilling December 5, 1963

Completed drilling February 18, 1964

Total depth 13,550' Plugged depth

Junk

Geological age of total depth Miocene

Commenced producing 2/18/64 (Date) Flowing ~~xxxxxxxxxx~~ Name of producing zone Zone 21

	Oil Bbls. per day	Gravity Degrees	Tubing Pressure	Gas MCF per day	Tubing Pressure	Casing Pressure
Initial production	478	30.3	3.2	360	850	-
Production after 30 days	475	30.3	2.7	377	845	34

CASING RECORD (Present Hole)

Size of Casing (A.P.I.)	Depth of Shoe	Type Casing	Wt. per ft. of Casing	New or Second Hand	Smls. or Lapweld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Perforations
10-3/4"	1,590	Surface	40.5	New	Smls.	J-55	15-1/2"	800	
5-1/2"	13,539	Surface	17#&20#	New	Smls.	J-55&H-40	8-3/4"	550	

RECEIVED

PERFORATED CASING

(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

5-1/2" casing perf. four (4) holes per foot 13,284' to 13,413' and 13,433' to 13,438'.

Electrical Log Depths 1,760 feet, 13,550 feet (Attach Copy of Log)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

September 21, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 59, A.P.I. No. 037-16522, Section 18, T. 4N, R. 16W, S.B. B.& M., Castaic Junction field, Los Angeles County, dated 12-02-93, received 12-13-93, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

svl

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

cc: Conservation Committee
Update

OPERATOR EXXON A.P.I. 037- 16522

WELL NO. "NEWHALL LAND & FARMING CO." 59 SECTION 18, T. 4 N, R. 16 W

MAP

INTENTION	ABANDON					
NOTICE DATED	7-20-93					
P-REPORT NUMBER	293-258					
CHECKED BY/DATE	10-25-93					
MAP LETTER DATED	10-25-93					
SYMBOL	-4-					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NE
NOTICE	7-23-93											
HISTORY	[illegible]											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓				
OPERATOR'S NAME	✓				
WELL NO.	✓				
LOC & ELEV	✓				
SIGNATURE	L				
SURFACE INSP.	2/29/94 FMN				
DRILL CARD					

RECORD'S COMPLETE 2/29/94 FMN

FINAL LETTER OK

MAILED

RELEASED BOND

INJECTION BOOK

IDLE WELL LIST

SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL

ABANDONED-REMOVED FROM E.D.P.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Company 59, Sec. 18, T 04N, R 16W, S.B.B. & M.
A.P.I. No. 037-16522 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assist (President, Secretary or Agent)
Date December 2, 19 93

Signature

Regulatory and Environmental Affairs, PO Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
11/08/93	Move in rig up. Rig up pump and tank. Check well (tubing 0, casing 450 psi). Bleed casing. Fill tubing and casing with lease water. Rig up slick line. Ran in hole. Set tubing plug @ 1000 feet. Rig out slickline. Nipple down production tree. Nipple up BOP and BOE. Change pipe rams. Rig up working floor and tubing equipment. Rig up slickline, retrieve tubing plug. Rig down slickline. Unland tubing, work tubing loose @ 100,000#. Circulate well with lease water. Pull out of hole with 5 joints of 2-7/8 inch N-80 tubing. Close well in.
11/09/93	Check well (tubing 340 psi, casing 620 psi). Attempt to reverse circulate 3 hours. Shut in well 15 minutes. Tubing psi 320, casing psi 270. Estimate 9.1 kill fluid to kill well. Clean out mud pit and lease water tank. Close well in.
11/10/93	Open well (tubing 880 psi, casing 440 psi). Rig up to pump plugging mud. Pump 450 barrels holding 300# back pressure on casing to disallow influx from well. Well dead. Measure out of hole with 2-7/8 N-80 tubing. Close well in.
11/11/93	Open well (no pressure). Cannot pull out of hole with 2-7/8 inch and 2-3/8 inch tubing. Tubing plugged. Pulling and laying down tubing. Lay down 41 joints 2-7/8 inch tubing with scale and 18 joints 2-3/8 inch tubing. Measure and pick up 122 joints 1-1/4 inch tubing as tail for stabbing through packer. Ran in hole with 2-7/8 inch tubing out of derrick, 220 joints. Close well in with tubing @ 10200 feet.

DIVISION OF OIL AND GAS
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DEC 1 [illegible]
VENTURA, CALIFORNIA

OG103 (6/91/GSR1/5M)

11/12/93 Open well, continue running in hole with 2-78 inch tubing. Run 68 joints out of derrick. Measure and pick up 25 joints. Tag fill @ 13164 feet. Reverse circulate well. Rig up Halliburton, test lines. Pump 3-1/2 barrels ahead. Mix and pump 62 cubic feet, 38 sacks Class G cement with 40% Silica Flour plus .5% HR-7 plus .5% CFR-3. Displace with 59 barrels 9.7 ppg mud @ 3500# maximum. Rig out Halliburton. Pull out of hole with 16 joints, 200 feet above calculated top of cement @ 12864 feet. Close well in. Steve Fields, Div of Oil and Gas, gave verbal approval to pump cement from 13164 to 12864 feet.

11/13/93 Open well, casing on vacuum. Ran in hole, tag cement @ 12916. Rig up Halliburton. Test lines. Pump 3.5 barrels fresh water ahead. Mix and pump 48.6 cubic feet, 30 sacks, with tubing tail @ 10461 feet. Displace with 43 barrels mud 9.7 ppg @ 2400 psi maximum. Rig out Halliburton. Pull 12 joints, reverse out 30 minutes. Pull up 10 stands. Close well in. Peter R. Wygle, Div of Oil and Gas, witnessed top of cement @ 10228 feet and approved plug @ 12916 feet.

11/15/93 Open well (no pressure). Ran in hole, tag top of cement @ 10349 feet. Pull to 10340. Reverse circulate. Rig up Halliburton, test lines. Pump 3.5 barrels fresh water ahead. Mix and pump 48 cubic feet, 30 sacks, class G cement. Pump 1/4 barrel fresh water behind. Displace with 42 barrels 9.7 ppg mud @ 2400# maximum. Pull 30 joints, reverse circulate 30 minutes. Close in well. Estimated top of cement 10107 feet. Same cement mix as yesterday. Steve Mulqueen, Div of Oil and Gas, witnessed tag of cement plug @ 10349 feet. Plug will be topped off. Witnessed pressure test of casing to 500 psi.

11/16/93 Open well (no pressure). Ran in hole, tag cement @ 10129 feet. Pull out of hole, laying down 31 joints 2-7/8 tubing and 112 joints 1-1/4 inch tubing. Close in well. Haul off 31 joints 2-7/8 work string and 112 joints 1-1/4 inch tubing to pipe yard. Peter R. Wygle, Div of Oil and Gas, witnessed and approved tag cement plug @ 10129 feet.

11/17/93 Rig up MMI (electric line). Ran in hole with 20 foot strip shot. Locate collars @ 876 feet. Shoot holes from 877 to 897 feet. Pull out of hole, rig out MMI. Circulate 9.7 ppg mud, 45 barrels down 7 inch up 10-3/4 inch casing. Ran in hole with 30 joints with tubing tail @ 915 feet. Mix and pump 62 sacks, 71 cubic feet neat cement with 3% Calcium Chloride. Displace with 3-1/2 barrels 9.7 ppg mud @ 1300#. Rig out Halliburton. Pull out of hole with 30 joints 2-7/8 tubing. Wait on cement. Ran in hole, tag cement @ 760. Pull out of hole laying down 24 joints. With tubing tail @ 186 feet, mix and pump 120 sacks, 138 cubic feet neat cement down 2-7/8 inch tubing, up 7 & 10-3/4 inch casing to surface. Rig out Halliburton. Pull out of hole and lay down 6 joints 2-3/8 inch tubing. Clean up BOP equipment. Clean work floor and tubing equipment. Rig out working floor and tubing equipment. Load out BOP. Rig down move off. Steve Mulqueen, Div of Oil and Gas, witnessed tag @ 760 and placement of cement from 186 to surface in 7 inch and 10-3/4 inch casing.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
December 14, 1993

Your operations at well "Newhall Land & Farming Co." 59, API No. 307-16522, Sec. 18, T. 4N, R. 16W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 11-17-93. Steve Mulqueen, representative of the supervisor, was present from 1500 to 1600. There were also present C. Ballard, Operator's Rep.
Present condition of well: 10 3/4" cem 892'; 7" cem 13,644', perfs 13,215' & 13,345' WSO, cp 877'-897', perf 13,215'-13,355'. TD (present hole) 13,650'. Plugged w/cem 13,164'-12,916', 10,461'-10,129', 915'-760' & 186'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

scv

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Robert J. Kinnear

Patrick J. Kinnear
Deputy Supervisor

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

T293-326

Operator Exxon Corp. Well No. "Newhall Land & Farming Co"
API No. 037-16522 Sec. 18, T. 4N, R. 17W, SB B&M
Field Castaic Jct, County LA. On 11-17-93
Mr./MS. S. MULQUEEN, representative of the supervisor, was present from 1500 to 1600
There were also present C. Ballard operator's rep.
Casing record of well: 10 3/4" cem 892'; 7" cem 13644', perfs 13215' & 13355' sqzd cp 877'-897', perf 13215'-13355, TD (prsent hole) 13644'
Plugged w/ cem 12160'-12916', 10061'-10129', 915'-760' & 186'-5'.

The operations were performed for the purpose of abandonment

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
7"	26/29	0	13644	11-17	TBG @ 915' BRADEN HEAD	71 cf	778±	760'	28 cf	1300	877'

Casing/tubing recovered: _____" shot/cut at 877', 897', _____' pulled fr. _____';
_____" shot/cut at _____', _____', _____' pulled fr. _____'.
Junk (in hole): Pkr @ 10,349' (BAKER MODEL "D" PACKER)
Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
hole full of 9.7 ppg mud						
9.7#/gal, CLAY GEL	11-17-93	45	TBG @ 915'	—	SURFACE	RETORTED

CP 13,164'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
11/12	71 cf	tbg 13,164	—	[illegible]	12,916	[illegible]	[illegible]	[illegible]
11/15	49 cf	TBG @ 10461'	—	"	10,349	10K #	1-16 0830	Sim
11/16	48 cf	" 10,349	—	"	10,129	SL [illegible]	1-16 0930	[illegible]
11/17	71 cf	TBG @ 915'	—	"	760	ALL TBG WEIGHT	11/17 1430	S. MULQUEEN
11/17	138 cf	TBG @ 186'	1500	S. MULQUEEN	5'	VISUAL	11/17 1530	"

OGD10 (10/90/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No. P293-258
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 30

PERMIT TO CONDUCT WELL OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
July 27, 1993

Your proposal to abandon well "Newhall Land & Farming Co." 59
A.P.I. No. 037-16522, Section 18, T. 4 N, R. 16W, S.B. B.&M.,
Castaic Junction field, --- area, 21 North pool,
Los Angeles County, dated 7-20-93, received 7-23-93, has been
examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 13,644'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.

Continued on Page 2

Blanket Bond
PK:SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 13,115'.
   b. To witness the mudding of the well.
   c. To witness the squeeze-cementing of the 7" casing through the perforations at 892'.
   d. To witness the location and hardness of the cement plug at 782'.
   e. To witness the placing of cement inside the 7" casing and all annuli.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	P-2393	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land & Farming Co 59 (Well designation), API No. 037-16522

Sec. 18, T. 14N, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 7/19, 1993.

The present condition of the well is:

1. Total depth 13,650'

2. Complete casing record, including plugs and perforations
   10 3/4" 40.5# casing @ 0'-892'
   7" 26/29# casing @ 0'-13,644' perfs:13,215'-13,345'
   Plug back T.D. 12,278'

3. Last produced 3/85 (Date) 2 (Oil, B/D) 98 (Water, B/D) 20 (Gas, Mcf/D)
   OR

4. Last injected _____ (Date) _____ (Water, B/D) _____ (Gas, Mcf/D) _____ (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost oil or gas shows
   Top of Zone 21 "B" : 12,215'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 890'

DIVISION OF OIL AND GAS
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5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1 MIRU/WSU. Install and test a DOG class II 5M BOPE. RIH with workstring and clean out to bottom of 7" casing @ 13,644'.
2. Place class "G" cement plug from 13,644'-13,115', cementing from T.D. to 100' above the top perf in the 7" casing @ 13,215', with TOC @ 13,115'. DOG to witness.
3. Place class "G" cement plug from 10,449'-10,249', cementing from 100' below to 100' above the Model "D" packer in the 7" casing, with TOC @ 10,249'. DOG to witness.
4. Shoot 4 SPF in the 7" casing @ 892'to 882' and place a class "G" cement plug from 892' to 792', squeezing the 7" x 10 3/4" annulus. DOG to witness.
5. Shoot 4 holes in the 7" casing @ 100' and circulate a class "G" cement plug from 100' to the surface getting returns in the casing/conductor annulus. DOG to witness.
6. Cut of casing @ 5' and weld plate with well identifier.
7. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive P.O. Box 1600 (Street)
Midland, (City) Tx. (State) 79702 (Zip)
Telephone Number 915-688-7888

Exxon Corporation (Name of Operator)
By Judy M. Bagwell (Name-Printed)
Judy Bagwell 7-20-93 (Name-Signature) (Date)
Type of Organization Corporation

OG108

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California

August 23, 1988

C. G. Lyons, Agent
Exxon Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

Your report of abandonment of well "Newhall Land & Farming Co." 60
(Name and number)
A.P.I. No. 037-05101, Section 18, T. 4N., R. 16W., S.B. B. & M.,
Castaic Junction field, Los Angeles County,
dated 8-12-88, received 8-15-88, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.

b

MAP	MAP BOOK	CARDS	BOND	EDP	FORMS 114	FORMS 121
350			BB	~	—	~

M. G. MEFFERD
State Oil and Gas Supervisor

By Patrick J. Kinnear
Deputy Supervisor

Patrick J. Kinnear

OG159 (11/82/GSR1/8M)

OPERATOR Eldon
WELL NO. "NAF" 60
MAP

INTENTION	Abd					
NOTICE DATED	1-25-88					
P-REPORT NUMBER	288-51					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEE
NOTICE	1-28-88											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.	2-7-88					
DRILL CARD						
RECORD'S COMPLETE						

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD
OK TO RELEASE FROM CONFIDENTIAL

REMARKS:

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

ORIGINAL
DIVISION OF OIL AND GA
RECEIVED
AUG 15 1988
VENTURA, CALIFORN

History of Oil or Gas Well

Operator Exxon Corporation Field Castiac Junction County Los Angeles
Well Newhall Land & Farming 60 Sec. 18, T 4N, R 16W S.B. B. & M.
A.P.I. No. 111-05101 Name Myron E. Fedak Title Supervisor
(Person submitting report) (President, Secretary or Agent)
Date August 12, 1988

Signature Myron E. Fedak

P. O. Box 5025, Thousand Oaks, CA 91359 805-494-2605
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

4-22-88 Moved in and rigged up. Buried 4 marsh anchors. Rigged up B. J. Hughes. Pumped 75 bbls lease water down tubing at 4 BPM, pressure up to 2000 psi. Tubing went on vacuum. Rigged and pumped 30 bbls down casing; pressure up to 500 psi. Bled back 11 bbls, unlanded tubing. Removed tree. Installed and tested Class II Hydril BOP at 3000 psi; OK. Rigged and pulled 110,000 lbs. on tubing. Front of rig sank. Called out maintenance. Changed back anchors and front anchors. Installed working mat under rig. Reguyed rig. Closed in well, shut down for night.

4-23-88
through
4-24-88 No well work.

4-25-88 Bled off well. Rigged and worked tubing to free packer; worked packer loose. Laid down 1 joint 2 7/8" tubing. Tubing hung up; unable to work free. Rigged McCullough. Cut tubing at 11,960'. Rigged out McCullough. Rigged B. J. Hughes. Changed over to lease brine, with 111 bbls. Pulled and measured tubing. Laid out all gas valves, found hole in 9th joint above cut. Ran 20 doubles. Closed in well, shut down for night.

4-26-88 Bled off well. Finished running tubing with tubing tail at 11,965'. Rigged down B. J. Hughes. Circulated well clean. Mixed and pumped 98 sacks of cement. Pulled 20 doubles. Rigged and backscuttled tubing clear of cement. Closed in well, shut down for night.

ORIGINAL

4-27-88 Bled off well. Rigged and ran tubing, tagged cement at 11,567'. Rigged to change over to 9.6 ppg mud, (50 bbls). Pulled and stood back 18 doubles 2 7/8" tubing. Pulled and laid down 93 joints 2 7/8" EU 8rd N-80 tubing. Closed in well, shut down for night.

4-28-88 Finished pulling 2 7/8" tubing. Doped and installed protectors on each joint, 362 joints total. Rigged Tiger Wireline, shot cavity from 1122'-1132'. Rigged and ran 18 doubles with tubing tail at 1110'. Rigged B. J. Hughes. Cemented with 94 sacks cement. Pulled 18 doubles. Rigged and pumped 20 bbls of 9.6 ppg mud. Squeezed away 2 bbls of cement at 500 psi. Closed in well, shut down for night.

4-29-88 Rigged up and ran tubing, tagged cement at 679'. Pulled and laid down 34 joints 2 7/8" tubing. Rigged Tiger Wireline, shot cavity at 60'. Rigged and ran 2 joints of tubing. Rigged up B. J. Hughes. Pumped cement plug to surface with tubing tail at 61.20' with 28 sacks (30 ft^3). Tore out floor. Removed BOP. Unscrewed 4 marsh anchors. Load out tools. Rigged down moved off.

NOTE: Tagging of cement plug at 679' and placement of surface plug from 62' to surface approved. Unable to establish circulation thru perfs at 50' and 65'. Checked cement in annulus after well head was removed and called DOG with results. Mudding as reported from 11,567' to surface completed 4-27-88; approved by Stephen Mulqueen of DOG 4-29-88.

4-30-88
through
5-01-88 No well work.

5-02-88 Dug and cleaned out cellar, cut 10 3/4" and 5 1/2" casing 5' below ground level. Rigged B. J. Hughes and cemented 5 1/2" and 10 3/4" casing with 50 sacks neat cement between strings. Welded plate on top of casing. Filled cellar and level off. Notified DOG. Stephen Mulqueen unable to witness. Job completed.

5-03-88
through
5-05-88 No well work.

ORIGINAL

5-06-88 Finished cleaning location. Cut all flowlines and flushed with lease water. Capped same. Bill Winkler of DOG approved final surface abandonment.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 288-141

DIVISION OF OIL AND GAS

Report on Operations

C. G.Lyons, Agent
EXXON CORPORATION
P.O. BOx 5025
Thousand Oaks, CA 91359

Ventura, May 24, 1988 Calif.

Your operations at well "Newhall Land & Farming Co." 60, API No. 037-05101, Sec. 18, T. 4N, R. 16W, S.B.B.& M. Castaic Junctio Field, in Los Angeles County, were witnessed on April 29, 1988. S. Mulqueen, representative of the supervisor, was present from 0800 to 1000. There were also present Marion Blair

Present condition of well: 10 3/4" cem 823'; 7" cem 13341', perf 13017' WSO, perf 50' & 65', perf @ int 13017'-13176', perf @ int 13174'-13189' (cem off), cavity shot 1128'. Junk below 11965'. TD 13365'. Plugged w/cem 13365'-13205', 11965'-11567', 1120'-679' & 62'-5'.

The operations were performed for the purpose of abandonment

DECISION:

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

ljg

M. G. MEFFERD

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109 (3/83/CSR1/15M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 288-51

PERMIT TO CONDUCT WELL OPERATIONS

126 (field code)
00 (area code)
30 (new pool code)
30 (old pool code)

C. G. Lyons, Agent
EXXON CORPORATION
P.O. Box 5025
Thousand Oaks, CA 91359

Ventura, California
February 2, 1988

Your proposal to abandon well "N.L.& F." 60, A.P.I. No. 111-05101, Section 18, T. 4N, R. 16W, S.B. B. & M., Castaic Junction field, any area, Zone 21 pool, Los Angeles County, dated 1/25/88, received 1/28/88 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Mole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
2. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
3. Unlined sumps, if they contain harmful waters, shall not be located over freshwater zones.
4. Any sump used during these operations shall be thoroughly cleaned and filled with earth as soon as operations are completed.
5. A diligent effort shall be made to clean out the well to at least 13,176.
6. The well shall be plugged with cement from 400' to 300'.
7. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.
8. THIS DIVISION SHALL BE NOTIFIED:
   a. TO WITNESS the location and hardness of the cement plug at 12,917' or above.
   b. TO WITNESS the mudding of the well.
   c. TO WITNESS the location and hardness of the cement plug at ~~300'~~ 1100' +/-.
   d. TO WITNESS the placing of the surface plug inside the 7" casing and the plug in the 10 3/4" and 7" casing annulus or to verify their location.
   e. TO INSPECT and approve the cleanup of the well site before approval of abandonment will be issued.

NOTE: BASE OF FRESH WATER IS APPROXIMATELY 400'. 1200' +/- MS / Tommy Joe

MS:ljg

Engineer Michael Stettner

Phone (805)654-4761

M. G. MEFFERD, State Oil and Gas Supervisor

By Robert J. Lewis
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	113	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Newhall Land & Farming Co. #60, API No. 037-05141, Sec. 18, T. 4N, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19____.

The present condition of the well is:

1. Total depth: 13,365'

2. Complete casing record, including plugs and perforations:

10-3/4", 40.5 ppf csg at 823'
7", 26 & 35 ppf csg at 13,341'
WSO at 13,017'
Top of cement plug at 13,205'
Cement squeezed perf at 13,174'-13,189'
Junk in hole at 13,178'

	(Date)	(Oil, B/D)	(Gas, ~~Mcf/D~~ kcf/d)	(Water, B/D)
3. Last produced	6/77	3.7	7.3	33
or				
4. Last injected	-	-	-	-
	(Date)	(Water, B/D)	(Gas, Mcf/D)	(Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

DIVISION OF OIL AND GAS
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VENTURA, CALIFORNIA

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: _____

The proposed work is as follows:

1. MI & R/U rig.
2. N/D x-mas tree & R/U BOP's. Test same.
3. Attempt to pull packer and tubing out of the well.
   a. If successful, clean out well to 13,175'. Spot a balanced cement plug from 12,900' to 13,175'.
   b. If unsuccessful, R/U ELU and run free point. Cut tubing at free point. Spot a 500' balanced cement plug above top of fish.
4. Tag and test top of cement plug.
5. Circulate mud in the well.
6. R/U ELU and cut and pull the 7" casing at 840'.
7. Spot a balanced cement plug from 640' to 840' +/-. Tag and test same.
8. Spot a balanced cement plug from 5' to 50'.
9. Cut 10-3/4" casing 5' below ground level. Weld a plate over same.
10. R/D rig. Break up cellar location and clean same.

MS/ Tommy Joe 2/1/88
BFW ≈ 400'
Will move shoe plug up to 400
will perf. at 400' instead of pulling casing at 840'.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Drive (Street)
Thousand Oaks (City) California (State) 91360 (Zip)
Telephone Number (805) 494-2419 (Area Code) (Number)

Exxon Company, U.S.A. (Name of Operator)
By T.R. Walter (Signature) 1/25/88 (Date)
Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

OG108 (8-75—GSRI—15M)

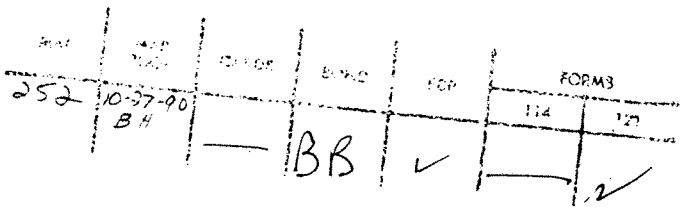
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California
November 9, 1990

L. R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Your report of abandonment of well "Newhall Land & Farming Co." 66, A.P.I. No. 037-01977, Section 18, T. 4N, R. 16W, SB B.&M., Castaic Junction field, Los Angeles County, dated 10-3-90, received 10-6-90, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.



cc: Conservation Committee
Update

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear, Deputy Supervisor

OG159

FORM 111

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 167-182

Mr. W. B. Quesenbury
P. O. Box 7033
Long Beach, California
Agent for HUMBLE OIL & REFINING CO.

Inglewood, Calif.
February 20, 1967

(037-01977)

DEAR SIR:

Your proposal to alter casing in Well No. "Newhall Land & Farming C
Proj. Section 18, T. 4 N., R. 16 W., S.B. B. & M., Castaic Junction Field, Los Angeles County,
dated Feb. 14, 1967, received Feb. 17, 1967, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

RECORDS IN ADDITION TO, OR AT VARIANCE WITH, THOSE SHOWN IN THE NOTICE.
5-1/2" cp 13,067', perfs. 13,100'-13,230', 13,200'-13,280' & 13,325'-13,330' cem. off.

THE NOTICE STATES
"The present condition of the well is as follows: Lost tools in hole while testing
1. Total depth. 13,553' individual sands. Fish consists of
2. Complete casing record, including plugs: Wire Line and Wire Line Testing Tool.
798' -10-3/4" OD 40.5# J-55 Set @ 815'. Cmtd. in 16" hole w/500 sacks.
13,534'-5-1/2" OD 20 & 23# N-80 & P-110 set @ 13,550'. Cmtd. in 9-7/8" hole w/600 sacks.
Top of cement plug @ 13,314'
WSO @ 13068'.
3. Last produced. 2-1-67 (Date) 180 (Oil, B/D) 180 (Water, B/D) 667 Mcf (Gas)"

PROPOSAL
"The proposed work is as follows:
1. - Recover fish.
2. - Clean out.
3. - Test for channel.
4. - Test 21N "B" sand
5. - Perforate 13254-13260' and reperforate 13260-13269' w/2 shots/ft.
6. - Test "B" sand. Return well to production.

NOTE - Steps 1,2,3,4 have been performed. No channel found (step 3).
21N "B" sand tested; very limited fluid entry. (Step 4).

This notice confirms telephone request to Mr. John Zulberti by Joe Green on 2-14-67."

DECISION
THE PROPOSAL IS APPROVED.

JLZ:nw

cc Company
W. B. Quesenbury

Blanket Bond

E. R. MURRAY-AARON, State Oil and Gas Supervisor

By ..... Deputy

①T OSP

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator Humble Oil & Refining Co. Well No. Newhall Land & Farming Co. 66

Sec. 18, T. 4-N, R. 16-W, S. B. B.& M. Castaic Junction Field Los Angeles County

Location 13,731' E and 2,343' N from corner 11 of Rancho San Francisco, Los Angeles County, California. Elevation of ground above sea level 1,148 feet. All depth measurements taken from top of Rotary Drive Bushing which is 14.34 feet above ground.

Date May 23, 1960 Signed J. F. Jeansonne
J. F. JEANSONNE

Geologist [illegible] Title District Superintendent

Commenced drilling 2-15-60

Completed drilling 4-19-60

Total depth 13,553' Plugged depth 13,314'

Junk None

Commenced producing 4-19-60 Flowing.

GEOLOGICAL MARKERS	DEPTH
Top of Modelo	9,970'

Geologic age at total depth: Miocene

Name of producing zone Zone 21 Miocene

	Clean Oil Bbl/Day	Gravity	% Water	Gas Mcf/Day	Tubing Pressure	Casing Pressure
Initial production	479	32.2	1.4	441	1800#	0

CASING RECORD

Size of Casing	Depth Shoe	Top of Casing	Weight	New Used	Seamless Lapweld	Grade Casing	Size Hole	Sacks Cemt.	Depth Perf.
10-3/4"	~~798.50~~ 815.69	Surf.	40.5#	New	SS & EW	J-55	16"	500	-
5-1/2"	~~13533.81~~ 13550.00	Surf.	20# & 23#	New	SS	N-80 & P-110	9-7/8"	600	-

PERFORATIONS

13,067-13,068'	4-	1/2"	Bullet	Lane-Wells	4"	Type "E" Gun (WSO)						DST #1 Squeezed Off
13,067-13,068'	4-	"	"	"	"	"	"	"	"	"		#2 Open
13,325-13,330'	20-	"	Jet	"	"	Type 4-G Jet Gun	HOWCO	DST	#3	Sqzd.	Off	
13,260-13,280'	80-	"	"	"	"	"	"	"	"	"	"	#4 Open
13,100-13,230'	520-	"	"	"	"	"	"	"	"	-		

(Baker Model D Packer @ 13,245.59'
(Lane-Wells BOCL Packer @ 12,986.72'

Electrical Log Depths Ind. Elec. Log - 805'-13,543'; Micro Log - 10,500'-13,548'

Neutron Log - 12,000'-13,514'

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator Humble Oil & Refining Co. Field Castaic Junction

Well No. Newhall Land & Farming Co. 66 Sec. 18, T.-4-N, R.-16-W, S. B B.& M.

FORMATIONS PENETRATED BY WELL

Depth			
Top of Formation	Bottom of Formation	Drilled or Cored	Description
Surface	479	D	Sand & Gravel
479	826	D	Sand, Gravel & Clay
826	882	D	Sand
882	1,318	D	Sand, Gravel & Clay
1,318	1,716	D	Sand & Shale
1,716	2,135	D	Sand
2,135	2,563	D	Sand & Gravel
2,563	3.690	D	Sand
3,690	3,921	D	Sand & Clay
3,921	4,344	D	Sand
4,344	4,691	D	Sand & Streaks Shale
4,691	4,910	D	Sand
4,910	5,677	D	Sand & Shale
5,677	5,824	D	Sand
5,824	6,060	D	Sand & Shale
6,060	6,326	D	Sand, Shale & Clay
6,326	6,740	D	Sand & Shale
6,740	7,048	D	Sand with Streaks Shale
7,048	7,125	D	Sand & Shale
7,125	7,361	D	Shale
7,361	7,707	D	Sand & Shale
7,707	8,415	D	Shale
8,415	8,557	D	Sand & Shale
8,557	8,630	D	Shale
8,630	8,755	D	Sand & Shale
8,755	9,002	D	Shale
9,002	9,112	D	Sand & Shale
9,112	9,400	D	Shale
9,400	9,600	D	Sand & Shale
9,600	9,645	D	Shale
9,645	9,766	D	Sand & Shale
9,766	9,822	D	Shale
9,822	10,007	D	Sand & Shale
10,007	10,630	D	Shale
10,630	10,761	D	Sand & Shale
10,761	10,941	D	Shale
10,941	11,084	D	Sand & Shale
11,084	11,118	D	Shale
11,118	11,215	D	Sand & Shale
11,215	11,646	D	Shale
11,646	11,695	D	Sand & Shale
11,695	11,721	D	Hard Sand & Hard Shale
11,721	11,772	D	Sand & Shale

JUN 2 1960

Log and Core Record of Oil or Gas Well (Cont'd)
Humble Oil & Refining Co.
Castaic Junction Field
Newhall Land & Farming Co. 66

11,772	11,835	D	Shale
11,835	11,928	D	Sand & Shale
11,928	11,983	D	Shale
11,983	12,082	D	Sand & Shale
12,082	12,226	D	Shale
12,226	13,103	D	Sand & Shale
13,103	13,224	D	Shale
13,224	13,553 T.D.	D	Sand & Shale

OPERATOR Edson

WELL NO.

MAP

INTENTION	Add					
NOTICE DATED	2-13-90					
P-REPORT NUMBER	290-109					
CHECKED BY/DATE	BJ					
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEE
NOTICE	2-13-90											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

P-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP. SAM	11-7-90					
DRILL CARD						

RECORD'S COMPLETE SAM 11-7-90

Removed fr udp 5/90

INJECTION BOOK _____

OIL WELL LIST _____

SURFACE INSP. CARD _____

OK TO RELEASE FROM CONFIDENTIAL _____

REMARKS: _____

FINAL LETTER OK 11-8-90

MAILED _____

RELEASED BOND _____

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T290- 173

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
May 18, 1990

Your operations at well "Newhall Land & Farming Co." 66 API No. 037-01977 Sec. 18, T. 4N, R. 16W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 5/15/90. Pam Ceccarelli, representative o the supervisor, was present from 0900 to 1230. There were als present Chris Ballard

Present condition of well: 10 3/4" cem 815'; 5 1/2" cem 13550', cp 98' 1050' & 13067', perf 13068 (WSO), perfs (@ int) 13100'-13280', perfs 13325' 13330' (cem off), junk @ 13245' (stuck retrivable packer). TD 13553' Plugged w/cem 13238'-12956' and 1052'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

ljg SURFACE INSP OK 11-7-91 S PULQUETN

M.G. MEFFERD, State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

OG109

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DUPLICATE

DIVISION OF OIL A...
RECEIVED
OCT 6 199(
VENTURA, CALIF(

History of Oil or Gas Well

Operator Exxon Company, U. S. A. Field Castaic Jct. County Los Angeles
Well Newhall Land & Farming Co. 66, Sec. 18, T 4N, R 16 S.B.B. & M.
A.P.I. No. 037-01977 Name Scott S. King (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date 10/2, 1990.

Signature JRS Kilroy

P. O. Box 5025, Thousand Oaks, CA 91359 (Address) 805-494-2283 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
4/27/90	Installed anchors.
4/30/90	Moved in and rigged up. Set mud pump. Blow down lines.
5/01/90	Installed BPV. Nippled down production tree. Nippled down BOP and tested. Pumped and blew drain. POOH with tubing.
5/02/90	RIH with work string to 10,780'.
5/03/90	Continued running in hole with fishing tools. Tagged at 13,215'. Rigged up to circulate hole clean. Clean out to 13,246'. Circulated out gas. Pulled up 50 stands.
5/04/90	Killed well. POOH with tubing and tools. Unable to retrieve DR plug. Broke out and inspected fishing tools. Slips showed fish in tool but lost on the way up. RIH with tools and tubing. Shut down for the night.
5/05/90 through 5/07/90	No well work.
5/08/90	RIH with tubing and tools to 13,246' attempting to secure "DR" plug. Worked over fish for 1 hour. POOH, unable to recover DR plug.

DUPLICATE

5/09/90 Bled down well. Pumped 25 BBLs of water down casing. RIH with tubing, tagged down at 13,246'. Circulated well. Pulled up hole to 13,238' and pumped 46 sacks of Class G cement with 4% R-6 and 6% CD-31. POOH with tubing. Closed in well.

5/10/90 Ran in hole and tagged top of cement at 12,956'. Changed hole over to 9.8 ppg mud. POOH and laid down tubing. Shut down for the night.

5/11/90 Rigged up Tiger wireline and shot 4 holes SPF over 10' intervals from 1050' to 1060'. All shots fired. Rigged up BJ cementers, tested pipe and pump to 3600 psi. Mixed and pumped 37 ft^3 of Class G cement with 3% $CaCl_2$ at 1052'. Displaced with 27 ft^3 of water. Pulled up to 660'. Mixed and pumped 37 ft^3 of Class G cement with 3% $CaCl_2$. Displaced with 14 ft^3 of water. Pulled up to 358'. Mixed and pumped 37 ft^3 Class G with 3% $CaCl_2$. Displaced with 7 ft^3 of water. POOH with tubing. Closed in well.

5/12/90
through
5/14/90 No well work.

5/15/90 Opened well. Tagged top of cement at 100'. Pam Ceccarelli of Division of Oil and Gas witnessed tag at 100'. Rigged up Tiger wireline. Filled hole with water. Jet perforate 4 1/2" holes at 98'. RIH with tubing to 98'. Rigged up cementers. BJ tested lines to 3600 psi. Mixed and pumped 50 ft^3 of Class G cement with 3% $CaCl_2$. Closed casing valve. Opened rams on BOP. Cemented to surface. Surface plug witnessed by Pam Ceccarelli of Division of Oil and Gas. POOH with tubing. Unflanged and washed BOP. Cut casing off 5' below grade. Rigged down and moved off. Cleaned location.

8f 173

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator: EXXON   Well No.: "NL+F" 66
API No.: 037-01977   Sec. 18, T. 4N, R. 16W, SB B&M
Field: [illegible], County: LA. On 5/15/90
~~Mr.~~ Pam [illegible], representative of the supervisor was present from 0900 to 2[illegible].
There were also present: Chris Ballard

Casing record of well: 10 3/4" cem 815'; 5 1/2" cem 13,550' [illegible] 1050' [illegible] [illegible] (@ int) [illegible]-13,280', perfs [illegible]-13,33[illegible] [illegible]), [illegible] @ 13,245 ([illegible] packer), TD 13,55[illegible]' [illegible] 13,238-

The operations were performed for the purpose of: 12,95[illegible] [illegible]

[X] The plugging/cementing operations as witnessed and reported are approved.

[ ] The location and hardness of the cement plug @ ______' is approved.

Hole size: ______" fr. ______' to ______', ______" to ______' & ______" to ______'

Casing: Size	Wt.	Top	Bottom	Cemented: Date	MO-Depth	Volume	Top of Fill: Annulus	Casing	Squeezed Away	Final Press.	Perfs.

perfs 1050-[illegible]

Casing/tubing recovered: ______" shot/cut at ______', ______', ______' pulled fr. ______';
______" shot/cut at ______', ______', ______' pulled fr. ______'.

Junk (in hole): ______

Hole fluid (bailed to) at ______'. Witnessed by ______

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
10.3 [illegible]	5/11	300				PC

Cement Plugs: Date	Sx./cf	Placing: MO & Depth	Placing Witnessed: Time	Engr.	Top Witnessed: Depth	Wt/Sample	Date & Time	Engr.
5/9	46sx	tbg 13,238'	–	[illegible]	12,956'		5/10 –	[illegible]
5/10	111cf	tbg 1052' (in stages)	–	"	100'	Full stk.	5/15 0910	[illegible]
5/15	55cf	tbg 100'	1150	PC	5'	Visual	5/15 1705	[illegible]

C/O 13,246' - Stuck packer

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.P290- 109
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 30

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
March 9, 1990

Your proposal to abandon well "Newhall Land & Farming Co." 66, A.P.I. No. 037-01977, Section 18, T. 4 N, R. 16W, S.B. B.&M., Castaic Junction field, any area, 21 North pool, Los Angeles County, dated 2/13/90, received 3/5/90, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. Any sump used during these operations shall be thoroughly cleaned and filled with earth as soon as operations are completed.
4. A diligent effort shall be made to clean out the well to at least 13,314'.
5. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq. ft.
6. This office shall be consulted before deviating from the proposed abandonment program.
7. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 12,968' and 950'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 5 1/2" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:ljg

Engineer Steve Fields

Phone (805) 654-4761

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

RECEIVED
MAR 5 1990

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	133	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Newhall Land & Farming #66, API No. 04-037-01977, Sec. 18, T. 4N, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County, commencing work on _____, 19____

The present condition of the well is:

1. Total depth: 13,553

2. Complete casing record, including plugs and perforations:
   798' - 10-3/4" OD 40.5#, J-55. Set @ 815'
   Cemented in 16" hole w/500 sacks
   13,534- 5-1/2" OD 20 & 32# N80 & P110.
   Set at 13,550'
   Cemented in 9-7/8" hole w/600 sacks
   Top of cement plug at 13,314
   WSO @ 13,068

3. Last produced 5/71 (Date) 4 (Oil, B/D) 57 (Gas, Mcf/D) 11 (Water, B/D)

or

4. Last injected _____ (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: _____

The proposed work is as follows:

1. Move in workover rig. Remove tree & install DOG Class II BOPE. Test to 250/5000 psi
2. Pull out of hole w/tubing & hydraulic anchor
3. RIH w/overshot & pull plug out of packer at 13,245
4. Place a cement plug from 13,280 to 12,968. Tag plug.
5. Place 9.8 PPG mud from top of plug to surface
6. Perforate 10', 4 JPF at 1050'. Cement and tag.
7. Shoot 4 holes at 60' & place a cement surface plug from 60' to 5'
8. Weld a plate on top of casing. Clean the location.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Dr. (Street)
Thousand Oaks (City) CA (State) 91360 (Zip)
Telephone Number (805) 494-2419 (Area Code) (Number)

Exxon Company, U.S.A. (Name of Operator)
By _____ (Signature) 2/13/90 (Date)
Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

OG108 (8-75—CSRI—15M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California

April 6, 1989

C. G. Lyons, Agent
EXXON CORPORATION
P.O. Box 5025
Thousand Oaks, CA 91359

Your report of abandonment of well "Newhall Land & Farming Co." 69
(Name and number)
A.P.I. No. 037-16528, Section 18, T. 4N, R. 16W, SB B. & M.,
Castaic Junction field, Los Angeles County,
dated 8-29-88. received 8-30-88, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.

b

MAP	MAP BOOK	CARDS	BOND	EDP	FORMS	
					114	121
252	PR 3-89	—	5B.	✓	—	✓

By M. G. MEFFERD
State Oil and Gas Supervisor
for Deputy Supervisor
Patrick J. Kinnear

OG159 (11/82/GSR 1/8M)

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
OCT 8 1987
VENTURA, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	✓	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Newhall Land & Farming #69, API No. _____,

Sec. 18, T. 4N, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19____

The present condition of the well is:

1. Total depth: 13,635'

2. Complete casing record, including plugs and perforations:
10-3/4": 40.5 ppf @ 819'
#1 string (north side): 2-7/8", 6.5 ppf @ 13,618'; perfs @ 13,374'-13,370'; 13,270'-13,400' @ 2 spf. Cement squeezed perfs @ 13,268'-13,278'.
#2 string (south side): 2-7/8", 6.5 ppf @ 13,617'; perfs @ 13,460'-13,487'; 13,500'-13,520' @ 2 spf.
Cement squeezed perfs @ 13,320'-13,332; 13,357'-13,367'.

3. Last produced – – – –
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)

or

4. Last injected _____
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: _____

The proposed work is as follows:

1. MI & R/U CTU.
2. R/U on #1 string. TIH w/1-1/2" coil tubing to 13,400'.
3. Spot a balanced cement plug from 13,500' to 13,000'.
4. Tag and test cement plug.
5. Circulate 9.8 ppg mud in the #1 string.
6. R/U CTU on #2 string. TIH with 1-1/2" coil to 13,520'.
7. Spot a balanced cement plug from 13,520' to 13,100'.
8. Tag and test cement plug.
9. R/D CTU and R/U rig.
10. R/U ELU and cut #1 and #2 tubing strings at 870'.
11. POOH w/#1 and #2 tubing strings.
12. TIH and spot a balanced cement plug from 870' to 700'.
13. Tag and test TOC. Circulate 9.8 ppg mud in the wellbore.
14. Set a balanced cement plug from 30' to 5'.
15. Cut 10-3/4" casing and weld plate over same.
16. R/D rig. Break up cellar and return location to natural condition.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Dr. (Street)
Thousand Oaks (City) CA (State) 91360 (Zip)
Telephone Number (805) 494-2419 (Area Code) (Number)

Exxon Company. U.S.A. (Name of Operator)
By T. R. Clarke (Signature) 10/5/87 (Date)
Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

OG108 (8-75—GSRI—15M)

NL&F #69
ABANDONMENT SUMMARY

History

NL&F #69 was drilled in November and December of 1960 and completed in January of 1961 as a dual tubingless well. The well was tested extensively in the 21N Zone (13268-78, 13357-67, 13320-32, 13347-70), but yielded only water. The well was left standing until 1962 when it was converted to a water injector. It was used as an injector for only one month, then shut in. The well has been shut in ever since.

Land Considerations

The well was drilled to earn a farm-in of Chevron USA acreage that was along the northern boundary of Exxon's acreage . In November 1979, Exxon quitclaimed the surface rights around NL&F #69, along with corresponding pipeline and road rights-of way, but retained the subsurface rights. The well was planned for P&A at the time, but this was never carried out.

Reservoir Considerations

All potentially productive intervals in this well were tested in the original completion attempt. If further injection into the 21N zone is ever desired, better wells are available. This wellbore has no further utility.

Mechanical Considerations

There are no known mechanical problems, although the well has not been entered since the 1962 workover to convert it to an injector.

DLY
9/3/87

DIVISION OF OIL AND GAS
RECEIVED
OCT 8 1987
VENTURA, CALIFORNIA

OPERATOR Exxon
WELL NO. "Nuckols Land & Farms" 69
MAP

INTENTION	abd					
NOTICE DATED	10-5-87					
P-REPORT NUMBER	287-368					
CHECKED BY/DATE	GHH 3/23/88					
MAP LETTER DATED	3/23/88					
SYMBOL	MAP 352					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NE
NOTICE	10-8-87											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.	3/23/87 GHH					
DRILL CARD						

RECORD'S COMPLETE GHH 3/23/88

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS:

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

ORIGINAL

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic County Los Angeles
Well Newhall Land & Farming 69, Sec. 18, T 4N, R 16W S.B.B. & M.
A.P.I. No. 037-16528 Name Myron E. Fedak (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date August 29, 1988

Signature Myron E. Fedak

P. O. Box 5025, Thousand Oaks, CA 91359 (Address) 805-494-2605 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

05-23-88 Rigged up B. J. Hughes on number 1 string. Pumped 73 barrels and established injection rate at 4 barrels per minute and 3500 psi. Number 2 string pressured up when pressure was applied to number 1 string. Rigged up on number 2 string and pumped 25 barrels at 2 barrels per minute and 3500 psi; casing pressure at 0 psi. Mixed and pumped 12 barrels class G cement. Squeezed 4 barrels in formation. Rigged up on number 1 string. Mixed and pumped 12 barrels class G cement and squeezed 3 barrels. Displaced both strings with 9.7 ppg abandonment mud behind cement. Rigged out B. J. Hughes and secured well for the night.

05-24-88 Rigged up Coast wireline on number 2 string. Ran in hole to 1686', unable to get deeper due to viscosity of mud. Pulled out of hole. Rigged up on number 1 string and ran in hole to 7519'; unable to get deeper. Pulled out of hole. Steve Mulqueen of the Division of Oil and Gas approved. Note: Unable to tag top of cement in both string with wireline. Calculated top of cement in string number 1 at 11,713' and number 2 at 11,938' as reported and approved by Stephen Mulqueen of Division of Oil and Gas.

DIVISION OF OIL AND G
RECEIVED
AUG 30 1988
VENTURA, CALIFOR

05-25-88 through 05-26-88 No well work.

05-27-88 Rigged up Mc Cullough on number 2 string. Ran in hole to 870' and cut tubing. Pulled out of hole. Rigged up on number 1 string. Ran in hole to 865' and cut tubing. Pulled out of hole and rigged down.

ORIGINAL

05-28-88
through
05-30-88 No well work.

05-31-88 Moved in and rigged up. Buried 4 marsh anchors. Rigged up B. J. Hughes and filled short string of tubing with 7 barrels of mud. Removed tree cut bolts with welder. Cleaned cellar. Installed blind rams BOP. Rigged up Midway Fishing tool spear and unlanded tubing; landed tubing back. Installed CS Hydril. Hooked up and tested to 250 psi. Pulled and laid down 30 singles of 2-7/8" CS Hydril tubing. Rigged up and unlanded long string, unable to retrieve donut spool. Closed in well and shut down for the night.

06-01-88 Finished pulling tubing, broke off stub. Ran in hole with tubing; tubing tail at 865'. Rigged up B. J. Hughes. Mixed and pumped 236 sacks cement. Plug tore out B. J. Hughes. Pulled tubing. Closed in well. Shut down until morning.

06-02-88 Ran tubing and tagged cement plug at 320'. Pulled and laid down all tubing. Retrieved 1 stand for top of cement plug. Loaded out tools and removed work floor and BOPs. Ran 1 double, rigged up B. J. Hughes and pumped top cement plug with 47 sacks of cement. Division of Oil and Gas witnessed tag at 320' and placement of surface plug. Rigged out and removed marsh anchors. Moved off.

06-03-88
through
06-22-88 No well work.

06-23-88 Surface location cleaned and flowlines removed.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 288-190

DIVISION OF OIL AND GAS

Report on Operations

C. G. Lyons, Agent
Exxon Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, Calif.
June 27, 1988

Your operations at well "Newhall Land & Farming" 69, API No. 037-16528
Sec. 18, T. 4N, R. 16W, S.B.B.& M. Castaic Junction Field, in Los Angeles County,
were witnessed on 6-2-88. Pam Ceccarelli, representative of
the supervisor, was present from 0715 to 1000. There were also present Marion Blair

Present condition of well: 10 3/4" cem 819'; 2 7/8" (string #1 North Side) ld 13618' cut and pulled 870', perfs (at int) 13270' - 13400'; 2 7/8" (string #2 South Side) ld 13617' cut and pulled 870', perfs (at int) 13460' - 13520', perfs @ 13320' - 13332' & 13357' - 13367' (cem off). TD 13635'. Plugged w/cem String 1 60 sx bullheaded - 11713' ± - 7519', String 2 60sx bullheaded - 11938' ± - 1686', 870' - 320' + 60' - 5".

The operations were performed for the purpose of abandonment

DECISION:

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

PC:bg

M. G. Mefferd
By Patrick J. Kinnear
Patrick J. Kinnear
District Supervisor

OG109 (3/83/GSR1/15M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 287-368

126 (field code)
10 (area code)
-- (new pool code)
30 (old pool code)

PERMIT TO CONDUCT WELL OPERATIONS

WATERFLOOD

C. G. Lyons, Agent
EXXON CORPORATION
P.O. Box 5025
Thousand Oaks, CA 91359

Ventura, California
October 20, 1987

Your proposal to abandon well "Newhall Land & Farming Co." 69, A.P.I. No. 037-16528, Section 18, T. 4N, R. 16W, S.B. B. & M., Castaic Junction field, any area, 21 North pool, Los Angeles County, dated 10/5/87, received 10/8/87 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Hole fluid of sufficient quality and quantity shall be maintained in the hole to control any subsurface condition, and a reserve supply shall be on hand for emergencies.
2. Blowout prevention equipment of at least DOG Class II 2M shall be installed and maintained in operating condition at all times.
3. Unlined sumps, if they contain harmful waters, shall not be located over fresh water bearing aquifers.
4. Any sump used during these operations shall be thoroughly cleaned and filled with earth as soon as operations are completed.
5. All portions of the hole not plugged with cement shall be filled with inert mud fluid having a minimum density of 72 lbs./cu.ft. and a minimum gel shear strength (10 min) of 40 lbs./100 sq.ft. (35 sacks of Bentonite per 100 bbls. of water).
   Mud fluids with organic additives, such as starch and biopolymers, shall be approved by the Division of Oil and Gas before placed in wells for permanent abandonment.
6. This office shall be consulted before initiating any changes or additions to the proposed operation, permit to conduct well operations, or if operations are to be suspended.
7. THIS DIVISION SHALL BE NOTIFIED:
   a. TO WITNESS the clean out depth at 13,400' and 13,520'.
   b. TO WITNESS the filling of the hole with mud fluid.
   c. TO WITNESS the location and hardness of the cement plug at 13,000' and 13,100'.
   d. TO WITNESS the location and hardness of the cement plug at 700'.
   e. TO WITNESS the placing of the cement plug from 30' to 5'.
   f. TO INSPECT the well site after cleanup and restoration operations are completed.

MS:ljg

Engineer Michael Stettner

Phone (805) 654-4761

M. G. MEFFERD, State Oil and Gas Supervisor

By Patricia L. Turner
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operation.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

939-0014C (P-207)

EXXON CORPORATION

REQUEST TO ABANDON WELL

DATE 9/4/87

DIVISION	DISTRICT	FIELD	LEASE & WELL NO.
Western	Thousand Oaks	Castaic Junction	NL&F#69

COUNTY & STATE	FORMATION	RESERVOIR
Los Angeles County, CA	Miocene	21 North

JUSTIFICATION

REASON FOR ABANDONMENT: No future Utility

STATUS: ( ) FLOW ( ) ART. LIFT XX SHUT.

PRESENT ALLOWABLE: B/SD B/CD MCF/D

PRODUCTION DURING LAST MONTH OF OPERATION, 19: OIL Never Produced GAS MCF WTR.

RECOMPLETION POSSIBILITIES: ( ) YES (X) NO

STIMULATION OR REWORK POSSIBILITIES: ( ) TRIED, INEFFECTIVE ( ) UNECONOMICAL ( ) NOT TRIED

SECONDARY RECOVERY PROSPECTS: ( ) NONE ( ) UNCERTAIN YES, WELL XX NOT NEEDED

ECONOMIC CONSIDERATIONS

PRESENT INCOME	EXPENSE	OPERATING LOSS
$ 0 /MO	$ 0 /MO	$ 0
COST TO ABANDON	**SALVAGE VALUE**	**NET SALVAGE VALUE**
$ 75,000	$ 0	$ 0

LEASE STATUS

ACRES	WELLS: NUMBER	PRODUCING	STANDING	ABANDONED	LAST PRODUCING WELL ON LSE.	DATE WELL SHUT IN
2200		6	62	14	( ) YES XX NO	4/62 19

DATA ON WELL AND OFFSETS IN PRESENT RESERVOIR

OPERATOR, LEASE AND WELL NO.	PRODUCING SECTION: ZONE OR RESERVOIR	FEET SUBSEA: FROM	FEET SUBSEA: TO	REPRESENTATIVE CALENDAR DAY PRODUCTION TEST: OIL BBL	GAS MCF	SW%	GOR CF/BBL	PRESS. OR TYPE LIFT	CUM PRO MBB MM
NL&F #69	21N	12205	12454	Water Injector				S.I.	(
NL&F #66	21N	11946	12158	-	-			S.I.	1.2 N 2.2 (
NL&F #71	21N	11951	12033	-	-			Plugged back	0.4 N 0.4 (
NL&F #76	21N	11941	12110	-	-			S.I.	0.5 N 1.8 (

JOB AUTHORIZATION

EXXON'S INTEREST	NONOPERATOR APPROVAL	REQUIRED	RECEIVED
100 %		( ) YES (X) NO	( ) YES ( ) NO

JOB NO.

INDIVIDUAL WELL ANALYSIS ATTACHED ( ) YES

CHARGE

FIELD CHARGE CODING	ACCOUNTING JA	ACCOUNTING LC	ACCOUNTING F	ACCOUNTING B	STATISTICAL DV	STATISTICAL DST	STATISTICAL UNIT	STATISTICAL W-T	MEMO LC
	7	486		X	15	506	28549		
CLEARANCE CODE	1	652		90	15	506	61590		

ESTIMATED COST DETAIL

LABOR	COMPANY CONTRACT	$ 75,000
MATERIAL	PURCHASES TRANSFERS	
OTHER		
TOTAL COST TO ABANDON		$ 75,000
TOTAL BUDGETED		$

LANDOWNER RELATIONS

CONTRACT OBLIGATIONS FULFILLED ( ) YES ( ) PARTIALLY ( ) NO

EXPLAIN, IF NOT YES

WELL HOLDS OTHER AC ( ) YES (

NOTICE TO LESSOR ( ) SENT – DATE BY ( ) NOT REQUIRED

NOTICE TO ASSIGNOR ( ) SENT – DATE BY ( ) NOT REQUIRED

Attach Separate Sheet Showing "History," "General Reservoir Considerations," "Economic Analysis," "Intended Abandonment Procedure" & "Salvable Equipment"

APPROVALS

	PREPARED BY	DIST. PROD. ENGR.	DIST. RES. ENGR.	DIST. SUPV. ENGR.	DIST. GEOL.	DISTRICT SUPERINTENDENT
DIST.	D.L. Yuen/T.E. Joe 9/4 9/23	9/24	9/24/87			

DIVISION	DIV. PROD. ENGR.	DIV. RES. ENGR.	DIV. PROD. GEOL.	DIV. EXPLORATION MANAGER	DIV. PRODUCTION MANAGER
		10/1	9-10-87		

LAND & LEASING

FINAL STATISTICAL ANALYSIS

FIELD OFFICE USE: DATE JOB COMPLETED	CLEARANCE VOUCHER NO. 196__	ACCOUNTING OFFICE USE: AMOUNT AUTHORIZED	FINAL COST	FINAL COST OVER OR UNDER AMT. A
		$	$	$

HUMBLE OIL & REFINING COMPANY
SOUTHWEST REGION

WELL HISTORY

Newhall Land & Farming Co.
L. NO. No. 69 FIELD Castaic Junction COUNTY Los Angeles STATE California SEC 18 T 4N R 16W

DATE 1962	DEPTHS FROM	DEPTHS TO	FORMATION	REMARKS
				ELEVATION: 1051.91 K.B.
				LOCATION: 3626 feet north and 13,608 feet east from Corner 11 Rancho San Francisco, Los Angeles County, Californi
				REASON FOR WORK: Perforate for Salt Water Injection
				PRESENT CONDITION: 10-3/4", 40.5#, 8 rd, J-55 casing 0-819' 2-7/8", 6.5#, N-80 & P-105 0-13,618' (String #1) 2-7/8", 6.5#, N-80 & P-105 0-13,617' (String #2)
				CONTRACTOR: California Production Service
-31				Rigged up Co-Western to run feeler and perforate 2-7/8" casing. <u>String No. 2:</u> Step 1 - Ran feeler with 2-1/4" basket String #2. Stopped at 13,09 Step 2 - Ran feeler with 1-5/8" sinker bar. Stopped at 13,100' <u>String No. 1:</u> Step 1 - Ran 1-5/8" sinker bar to 13,394'. No tight spots. Step 2 - Ran 2-1/4" basket to 13,390'. Step 3 - Ran 26' strap gun. Stopped at 13,386'. Attempted to orie gun with top shot at 13,360'. Bottom shot at 13,386'. Co not orient. Oriented O.K. with top shot at 13,347'. Gun failed to fire. Left four (4) charges, wire, and 2" piece of strap in hole. Closed well in at 11 p.m. Released rig.
-10				Moving in. Rigging up California Production Service. Installed BOE and tested to 1500#.
-11				Ran 2-3/8" OD. Servco junk mill on 1" D.P. Dropped drift through tubing a cleaned cement from inside before running. <u>String No. 2:</u> Tagged fill at 13,095'. Rigged up Baash Ross power swivel. Filled h with salt water treated with 5 gallons Correxit 720 to 20 bbls. of wa Cleaned out cement to 13,520' and circulated hole clean.
-12				<u>String No. 1:</u> Installed BOE. Ran Servco mill on 1" D.P. to fill at 13,350'. an out to 13,410'. Circulated hole clean.

HUMBLE OIL & REFINING COMPANY
SOUTHWEST REGION

WELL HISTORY

Newhall Land & Farming Co.
WELL NO. No. 69 FIELD Castaic Junction COUNTY Los Angeles STATE California SEC 18 T 4N R16

DATE 1962	DEPTHS FROM	DEPTHS TO	FORMATION	REMARKS
4-13				Made feeler run in String # 1 to 13,414'. Made feeler run in String # 2 13,530'.
4-14				Perforate String # 2 with 1-11/16" Go-Western strap jet - two (2) holes foot, 13,460' to 13,487' and 13,500' to 13,520'. Used density orienting tools. All perfs. in Zone 21-North, B member.
4-15				Perforate String # 1 with strap jet gun - 13,270' to 13,400'. All perfs in Zone 21-North, A member. Rig released at 4 p.m. - well ready for wat injection. FRR.

W. B. Quesenbury

W. B. Quesenbury
District Superintendent

HUMBLE OIL & REFINING COMPANY
California Area

Sidewall Cores

County Los Angeles Field Castaic Junction Well Name N.L.&F. No. 69

No.	Depth	Description	Show
1.	7363'	Sand - white, loosely consolidated, fine to medium grained sand. Good P. and P.	N. S.
2.	7948'	Sand - gray, silty and well consolidated, fine grained sand. Poor P. and P.	N. S.
3.	7941'	Conglomerate - gray, silty, very tight comglomerate.	N. S.
4.	8071'	Sand - white to gray, medium grained, loosely consolidated sand. Fair P. and P.	N. S.
5.	8297'	Sand - gray, fine to coarse grained, loosely consolidated sand. Very poorly sorted. Poor P. and P.	N. S.
6.	13,269'	Shale - brown shale with thin tan sand laminations. Streaked with fluorescence.	N. S.
7.	13,278'	Sand - thinly laminated sand with thin tan and brown streaks. Fine grains. Fair P. and P. Oil odor. Dull gold fluorescence. Light straw cut and milky white cut fluorescence.	O. S.
8.	13,287'	Sand - Tan stained, coarse grained, very silty sand. Appears to have no P. and P. Oil odor, dull gold fluorescence.	O. S.(?)
9.	13,295'	Sand - Spotty tan stained, fine to coarse grained sand. Fair P. and P. Slight oil odor, dull gold fluorescence. Very pale cut.	O. S.
10.	13,311'	Sand - Uniformly tan stained, fine to medium grained, very silty sand. Appears to be tight. Good oil odor. Very dull yellow fluorescence.	O. S.
11.	13,327'	N. R.	
12.	13,330'	Sand - Spotty tan stained, coarse grained, very silty sand. Appears to be very tight. Oil odor, spotty yellow fluorescence.	O. S.
13.	13,337'	Sand - Tan stained, medium grained, silty sand. Fair P. and P. Oil odor, very dull, yellow fluorescence. Dark brown cut, yellow-white cut fluorescence.	O. S.

No.	Depth	Description	Show
14.	13,349'	Sand - Similar to above. Same shows.	O. S.
15.	13,362'	Sand - Tan stained, coarse grained sand. Very tight. Oil odor, Spotty yellow fluorescence.	O. S.
16.	13,366'	Sand - Tan stained, fine to coarse grained, fair P. and P. Oil odor, Spotty yellow fluorescence. Dark brown cut, yellow-white cut fluorescence.	O. S.
17.	13,378'	Sand - Same as above.	O. S.
18.	13,381'	Conglomerate - Tan stained. Appears to have no P. and P. Slight oil odor. Spotty yellow fluorescence.	O. S.(?)
19.	13,394'	Sand - Gray, fine to coarse grained, crumbly sand. Spotty stain and fluorescence.	Spotty Show
20.	13,403'	N. R.	
21.	13,419'	Sand - Gray, fine to medium grained, crumbly sand.	N. S.
22.	13,435'	Sand - Gray, very tight and silty.	N. S.
23.	13,453'	Sand - As above.	N. S.
24.	13,485'	Sand - As above.	N. S.
25.	13,519'	Sand - As above.	N. S.
26.	13,530	Sand - As above.	N. S.

Total	O. S.	N. S.	N. R.
26	12	12	2

FORM 111

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 162-283

WATER FLOOD

Mr. W. B. Quesenbury
P. O. Box 7033
Long Beach, California
Agent for HUMBLE OIL & REFINING COMPANY

Inglewood Calif.
March 26, 1962

DEAR SIR:

Your supplementary proposal to drill Well No. "Newhall Land & Farming Co." 6, Proj. Section 18, T. 4 N., R. 16 W., S. B. B. & M., [illegible] Field, Los Angeles County, dated Feb. 26, 1962, received Feb. 27, 1962, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

RECORDS IN ADDITION TO, OR AT VARIANCE WITH, THOSE SHOWN IN THE NOTICE: 2-7/8" (string #1) perf. 13,262'-13,27[illegible]' cm. off and 13,2[illegible]'-13,370'; 2-7/8" (string #2) perf. 13,[illegible]'-13,367' cm. off and 13,[illegible]'-13,332', cm. off.

THE NOTICE STATES:

"The present conditions of the well is as follows:
1. Total depth. 13,[illegible] feet
2. Complete casing record.
   803' of 10-3/4" OD 40.5# 8RF J-55 LT&C SS Casing set at 819'.
   13,60[illegible]' of 2-7/8" OD EUE 8RF N-80 & P-1[illegible] SS Casing set at 13,61[illegible]' (String #1)
   13,601' of 2-7/8" OD EUE 8RF N-80 & P-1[illegible] SS Casing set at 13,61[illegible]' (String #2)
3. Last produced. Dry Hole - Standing - Never Produced
   (Date) (Net Oil) (Gravity) (Cut)

PROPOSAL

"The proposed work is as follows:
1. Perforate Zone 21-A from 13,270' to 13,400' with one shot per foot in string #1.
2. Perforate Zone 21-B from 13,460' to 13,520' with one shot per foot in string #2.
3. Inject salt water to supplement reservoir drive mechanism."

DECISION

THE PROPOSAL IS APPROVED PROVIDED:
1. A temperature survey shall be filed with this office after water has been injected for one month and another survey shall be filed after three to six months injection.
2. A monthly statement shall be filed with this Division on our Form 110-B showing the amount of fluid injected, pressure required, and source of injected water.
3. An analysis of the fluid being injected shall be submitted upon request.
4. Injection shall cease if any evidence of damage or failure of water shut-off is observed, or upon written notice from this Division.

NOTE:
1. Issuance of this report was delayed pending receipt of additional data.
2. The base of the usable fresh water is at 400'+.
3. The water to be injected consists of commingled, saline, oil-zone waters produced from the Castaic Junction and Del Valle oil fields.
4. The strata into which water is to be injected contain salt water testing approx. 1335 G/G sodium chloride.
5. Approx. Surface Location of Well: 800' N. & 360' E. fr. the W. 1/4 cor. of Proj. Sec. 18, T. 4 N., R. 16 W., S. B. B. & M.

JLZ:omh

cc Co. - Newhall (2)
Newhall Land & Farming Co.
Dept. of Water Resources
Regional Water Pollution Control Board
H. W. Symmonds

E. R. MURRAY-AARON, State Oil and Gas Supervisor

By Wm C. Bailey RGF, Deputy

Blanket Bond

54357 12-61 50M SPO

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator Humble Oil & Refining Co. Well No. Newhall Land & Farming Co. 69
Proj.
Sec. 18, T.-4-N, R.-16-W, S. B. B.& M. Castaic Junction Field Los Angeles County

Location 800' N and 360' E at right angles to said line from the W Quarter corner of projected section 18. Elevation of ground above sea level 1038 feet MSL

All depth measurements taken from top of Kelly Bushing which is 13.91 feet above grd.

Date April 11, 1961 Signed J. F. Jeansonne
J. F. Jeansonne
Geologist Frank A. Carter Title District Superintendent

Commenced drilling 11-10-60 GEOLOGICAL MARKERS DEPTH

Completed drilling 3-31-61 Top of Modelo 8745'

Total depth 13,635' Plugged depth - Geologic age at total depth: Miocene

Junk None Name of producing zone -

Commenced producing Never

Initial production - None

CASING RECORD

Size of Casing	Depth of Shoe	Top Csg.	Weight	New Used	Seamless Lapweld	Grade of Casing	Size of Hole	Sacks Cement
10-3/4"	819'	0	40.5#	New	SS	J-55	16"	750
2-7/8"	13,618'	0	6.5#	New	SS	P-105 & N-80	8-3/4"	232.5
2-7/8"	13,617'	0	6.5#	New	SS	P-105 & N-80	8-3/4"	232.5

PERFORATIONS

String No. 1 - 13268-13278, 13347-13370 with 2 shots per foot using Strap Jet Gun

String No. 2 - 13357-13367, 13320-13332 with 2 shots per foot using Strap Jet Gun

Electric Log Depths 13,633' No Cores Taken

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California
November 9, 1990

L. R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Your report of abandonment of well "Newhall Land & Farming Co." 71, A.P.I. No. 037-06299, Section 18, T. 4N, R. 16W, SB B.&M., Castaic Junction field, Los Angeles County, dated 10-3-90, received 10-6-90, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.

MAP	MAP CHECK	CARDS	BOND	SDP	FORMS 114	FORMS 121
252	10-31-90 BH	—	BB	r	—	✓

cc: Conservation Committee
Update

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear, Deputy Supervisor

OG159

FORM 111

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 168-440

WATER SOURCE WELL

Mr. B. M. Sullivan
P. O. Box 7033
Long Beach, California 90807
Agent for HUMBLE OIL & REFINING COMPANY

Inglewood, Calif.
April 2, 1968

(037-06299)

DEAR SIR:

Your proposal to alter casing Well No. "Newhall Land & Farming 1"
Section 12, T. 4 N., R. 16 W., S.B. B. & M., Castaic Junction Field, Los Angeles County,
dated Mar. 11, 1968, received Mar. 27, 1968, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

RECORDS IN ADDITION TO, OR AT VARIANCE WITH, THOSE SHOWN ON THE NOTICE.
5" liner 7,413'-13,260', perfs. 13,103'-12,292'.

"Source Well in Waterflood"
SEE NOTICE STATUS
"The present condition of the well is as follows:
1. Total depth. 13,500 feet
Top of cement plug at 7,387 feet.
2. Complete casing record, including plugs:
821 feet 10-3/4-inch, 40.5 pound per foot J-55 set at 836 feet. Cemented with 700 sacks.
13,498 feet 7-inch 26 pound, 29 pound, 32 pound and 35 pound per foot N-80 set at 13,516 feet. Cemented with 600 sacks. Perforated at 7,400 to 7,401 feet and squeezed with 100 sacks cement. Perforated at 6,755 to 6,756 feet and squeezed with 100 sacks cement.
5,849 feet 5-inch 15 pound per foot J-55 liner, hung at 7,561 feet, bottom at 13,260 feet, cemented with 425 sacks.
WSO at 13,132 feet approved. Seal between 5-inch and 7-inch approved. Fish in hole: 1 safety joint, one 3-1/2-inch drill collar, 2 subs, Servco Mill and packer in hole at 13,262 feet to 13,320 feet. There is also a packer in hole at 13,344 feet.
3. Last produced. March 1, 1968 (Date) ____ (Oil, B/D) 5,000 (Water, B/D) ____ (Gas Mcf/D)"

PROPOSAL

"The proposed work is as follows:
1. Move in and rig up, pull tubing.
2. Clean out sand to 7,385 feet.
3. Perforate selectively from 6,766 feet to 7,377 feet with one shot per foot.
4. Gravel pack 4-inch OD slotted liner from 6,600 to 7,385 feet.
5. Run submersible pump, DSMO."

DECISION

THE PROPOSAL IS APPROVED PROVIDED THAT THIS DIVISION SHALL BE NOTIFIED TO WITNESS a test of the salinity of the water produced annually.

ADS:nw

cc Sacramento (3)
B. M. Sullivan (2)
New hall Land & Farming Co.

Blanket Bond

E. R. MURRAY-AARON, State Oil and Gas Supervisor

By _____, Deputy

75567-705 7-66 50M ① △ OSP

OPERATOR Cox
WELL NO. Newhall Land & Farm "71
MAP

ATTENTION	add					
NOTICE DATED	2-13-90					
P-REPORT NUMBER	290-108					
CHECKED BY/DATE	BF					
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	3-5-91											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP. SPW	11-7-90					
DRILL CARD						

RECORD'S COMPLETE SPW 11-8-90

Removed fr cdp 5/90

FINAL LETTER OK 11-8-9
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD
DATE TO RELEASE FROM CONFIDENTIAL

REMARKS:

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY Exxon WELL NO. Newhall Land & Farm Co. 71

API NO. 037-06299 SEC. 18, T. 4N, R. 16W, SB B.&M.

COUNTY ~~Ventura~~ LA FIELD Pleasant Valley

RBDMS DATA ENTERED: 10/28/99
(DATE)

BY: SPT
(NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

WELL CONSTRUCTION DATA ONLY

DIVISION OF OIL AND G
RECEIVED
DUPLICATE
OCT 6 1990
VENTURA, CALIFORN

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Company, U.S.A. Field Castiac Jct. County Los Angeles
Well Newhall Land & Farming Co. 71, Sec. 18, T 4N, R 16W S.B.B. & M.
A.P.I. No. 037-06299 Name Scott S. King (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date 10/3, 19 90

Signature J R S King

P. O. Box 5025, Thousand Oaks, CA 91359 (Address) 805-494-2283 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, ridetrached junk, bailing tests and initial production data.

Date	
5/2/90	Moved in and rigged up.
5/3/90	Installed blow down lines to Baker tank. Flowed well for 2-1/2 hours. Recovered 400 BBL of water. Unable to kill well.
5/4/90	Pumped 200 barrels of 9.8 ppg mud to kill well. POOH with 48 joints of tubing.
5/5/90 through 5/7/90	No well work.
5/8/90	Finished pulling out of hole with 3-1/2" tubing. Changed BOPE rams to 2-7/8". RIH with 213 joints of 2-7/8" work string, stopped at 6575'.
5/9/90	Opened well. POOH with 2-7/8" tubing. Measure, pick up and ran in hole with 27 joints of 2-1/16" Hydril tubing with 45°cut off shoe and 102 stands 2-7/8" tubing. Tagged fill at 7218'. Circulated fill from 7218' to 7380'. Pulled 10 stands. Closed in well.
5/10/90	Opened well. RIH with tubing, tagged fill at 7269'. Circulated gravel pack and sand to 7340'. Unable to clean out, hole falling in to 7380'. POOH with 10 joints of tubing. RIH and tagged fill at 7340'. Rigged up BJ cementers. Pumped 112 ft^3 of Class G cement with 3% R-3 retardant. Displaced with 155 ft^3 of water. POOH with 8 joints of tubing. Displaced with 41 ft^3 of water.

Pulled 24 joints of tubing. Circulated down casing at low pump rate for 1-1/2 hours. Closed in well.

5/11/90 Opened well. RIH with tubing and tagged top of cement at 6120'. Division of Oil and Gas representative (Pam) witnessed tag at 6120'. Pulled up and circulated hole to increase mud weight. Shut down for the night.

5/12/90
through
5/14/90 No well work.

5/15/90 Opened well. Made up Kelly. POOH with 40 joints of tubing. RIH tubing. Mixed new mud system. Closed in well.

5/16/90 Opened well. Increased mud weight. POOH and laid down 169 joints of 2-7/8" tubing and 27 joints of 2-1/16 Hydril. Rigged up Tiger wireline and perforated the interval from 1120' - 1130' with 4 1/2" holes per foot. Rigged down wireline. Rigged up BJ cementers. RIH with open-ended tubing to 1134'. Pumped 180 ft^3 of Class G cement with 3% $CaCl_2$. Pulled out of hole. Closed in well.

5/17/90 Opened well. RIH with tubing and tagged top of cement at 311'. B. Hesson Division of Oil and Gas witnessed tag at 311'. POOH with tubing. Rigged up Tiger wireline and perforated with 4 1/2" holes at 100'. Rigged down wireline. RIH with 35 joints of tubing to 93'. Mixed and pumped 60 ft^3 of Class G cement with 35 ft^3 of water. Filled both 10-3/4" and 7" casing to surface. POOH and laid down tubing. Removed BOPE. Rigged down and moved off. Cleaned location.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. T290- 179

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
May 22, 1990

Your operations at well "Newhall Land & Farming" 71, API No. 037-06299, Sec. 18, T. 4N, R. 16W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 5/17/90. Bruce Hesson, representative o the supervisor, was present from 1100 to 1200. There were also present Bruce Garrett

Present condition of well: 10 3/4" cem 821'; 7" cem 13516', cp 100', 1130', 6756', 7402', perf 6755' & 13132' WSO, perfs @ int 6766'-7377'; 5" ld 7661'-13260', perfs 13163'-13245'; 4" ld 6557'-7380'. Junk below 13320'. TD 13600', plugged w/cem 13514'-13427', 13250'-12739', 7340'-6120', 1134'-311' 100'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

ljg

SURFACE INSP OK 11-7-90 S MULQUEEN

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear
Deputy Supervisor

OG109

47 199

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator: EXXON Well No. NL+F 71
API No. 037-06279 Sec. 18, T. 4, R. 16, SB B&M
Field: [illegible], County: LA. On 5/17/90
Mr. B. Hesson, representative of the supervisor was present from 1100 to 1200.
There were also present: Bruce Garrett

Casing record of well: 10 3/4" cem 921'; 7" cem [illegible] 5 1/2" cp 100', 1130', 6756', 7402'
[illegible] 6756' [illegible] Perf [illegible] 6766-7377'; 5" [illegible] 7[illegible] - [illegible] Perfs 13,160'-13,24[illegible]
[illegible] Junk [illegible] 13,220', TD 13,600'

The operations were performed for the purpose of: Abandonment
Plugged w/ cem 13,[illegible]-[illegible], 13,[illegible]-11,73[illegible], 73[illegible]-6120, 1134'-311', 100'-5'.

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ______' is approved.

Hole size: ____" fr. ____' to ____', ____" to ____' & ____" to ____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: 7" ~~shot~~/cut at 100', 100', ____' pulled fr. ____';
____" shot/cut at ____', ____', ____' pulled fr. ____'.

Junk (in hole): ____

Hole fluid (bailed to) at ____'. Witnessed by ____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.9 ppg	5/17	222	TBG @ 6120	—	Surf (Sample Checked)	B. Hesson

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
5/10	112 cf	Hog 7340	—	[illegible]	6120	5000#	5/11 0830	[illegible]
5/16	190 cf	TBG @ 1134'	Rptd by	B. Garrett	311	All tbg wt	5/17 @ 0900	B. Hesson
5/17	60 cf	TBG @ 100'	"	"	5'	Visual	5/17 @ 1100	B. Hesson

C/O 7330'

OGD 10 (10/85/DWRR/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P290- 108
Field Code --
Area Code --
New Pool Code --
Old Pool Code --

PERMIT TO CONDUCT WELL OPERATIONS

WATER SOURCE WELL

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
March 9, 1990

Your proposal to abandon well "Newhall Land & Farming Co." 71, A.P.I. No. 037-06299, Section 18, T. 4 N, R. 16W, S.B. B.&M., Castaic Junction field, --- area, --- pool, Los Angeles County, dated 2/13/90, received 3/5/90, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. Any sump used during these operations shall be thoroughly cleaned and filled with earth as soon as operations are completed.
4. A diligent effort shall be made to clean out the well to at least 7385'.
5. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq. ft.
6. The cement plug proposed to be placed from 7358' to 6600' extends from 7385' to at least 6457'.
7. This office shall be consulted before deviating from the proposed abandonment program.
8. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 6457' and 1020.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

   NOTE:
   1. 4" 11.34# liner set from 6557' to 7380'.

SF:ljg

Engineer Steve Fields

Phone (805) 654-4761

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Lianear
Patrick J. Lianear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

RECEIVED
MAR 5 1990
VENTURA, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Newhall Land & Farming #71, API No. 04-037-06299, Sec. 18, T. 4N, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County, commencing work on _____, 19__.

The present condition of the well is:

1. Total depth: 13,600 plugged back to 7385'

2. Complete casing record, including plugs and perforations:
821' 10-3/4" 40.5#, J-55 set at 836'
Cemented w/700 sacks
13,498' 7" 26#,29#,32#,&35# N-80 set @ 13,516'
Cemented w/600 sacks
Perforated from 7400 to 7401 squeezed w/cmt.
5599' 5" 15# J-55 liner hung @ 7661. B/13,260'
Plugs @ 13,344', 13260-12739, & 7385'. Pkr @ 13,320'

3. Last produced ___Ø___ (Date) ___Ø___ (Oil, B/D) ___Ø___ (Gas, Mcf/D) ___700___ (Water, B/D)

or

4. Last injected _____ (Date) _____ (Water, B/D) _____ (Gas, Mcf/D) _____ (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

WSO 6755'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: _____

The proposed work is as follows:

1. Move in workover rig. Remove tree & install DOG Class II BOPE. Test to 250/5000 psi.
2. Pull tubing & submersible pump
3. Tag plug at 7358
4. Place cement from top of plug to 6600'. Tag plug.
5. Change hole fluid over to 9.8 PPG mud.
6. Perforate 10', 4 JPF @ 1120'. Cement & tag cement top at 1020 or higher.
7. Shoot 4 holes at 60' & cement from 60' to 5'.
8. Cut casing off at 5' & weld on a plate.
9. Clean the location.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Dr. (Street)
Thousand Oaks (City) CA (State) 91360 (Zip)
Telephone Number (805) 494-2419 (Area Code) (Number)

Exxon Company, U.S.A. (Name of Operator)
By _____ (Signature) 2/13/90 (Date)
Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

OG108 (8-75—CSR1—15M)

HUMBLE OIL & REFINING COMPANY
SOUTHWEST REGION

WELL HISTORY

RECEIVED
OCT [illegible] 1967
SANTA PAULA, CALIFORNIA

Well No. Newhall Land & Farming Co. No. 71 Field Castiac Junction County Los Angeles State California Sec 18 T 4N R 16W S.B.

DATE	DEPTHS FROM	DEPTHS TO	FORMATION	REMARKS

Recomplete as Water Source Well - Notice Dated 8-19-67

[illegible] Moved in and rigged up. Filled well with salt water. Installed BOP equip[illegible]

[illegible] Pulled tubing and packer. Ran in [illegible] to 1[illegible]. Circulated salt water. Mixed [illegible] Class "G" cement and pumped down tubing. CIP at [illegible] p.m. WOC until [illegible] p.m. Checked top of cement at 12,[illegible]'. Witnessed and approved [illegible] representative.

[illegible] Ran [illegible] Set RTTS packer [illegible] and tested [illegible] Class "G" cement [illegible] HR-4, and squeezed [illegible]. Final pressure [illegible] 1[illegible] p.m. Pulled packer [illegible] 66[illegible]. [illegible] hole. [illegible]

[illegible] Pulled RTTS packer [illegible] and circulated hole [illegible]. Tested casing with 10[illegible] psi [illegible] pressure. Set RTTS [illegible] at 72[illegible]. Pressure tested perfs. [illegible] with [illegible]00 psi. [illegible] Mixed [illegible] sacks Class "[illegible]" cement with [illegible] HR-4. Squeezed through perfs. [illegible] Final pressure [illegible] psi. CIP [illegible]:58 a.m. WOC until 10:00 p.m. Set RTTS packer at 6[illegible]'. [illegible] and pumped through perfs. [illegible]-678[illegible]' with 30[illegible] psi. Mixed [illegible] sacks Class "G" cement, [illegible].2% HR-4. Squeezed perfs. 6755 - [illegible]' with final pressure [illegible]00 psi. Left 50' cement in casing. CIP [illegible] p.m.

[illegible] Pulled packer. Ran [illegible] to top of cement at 6653'; drilled out hard cement to 6755'. Ran on to top of second plug at 7305' and drilled hard cement to 7385'. Tested plug and squeeze jobs with 500 psi for 15 min., OK. Circulated hole clean. Ran [illegible] and perforated 1 shot/ft. 73[illegible] - 72[illegible]' and 72[illegible] - 7200'.

[illegible]-17-67 Perforated 1 shot/ft. 7180 - 6980', 6955 - 6918', 6905 - 6884', 6860 - [illegible], 6804 - 6790', and 6782 - 6766'. Ran B. J. submersible pump and 62 jts. (2081.44') 4" O. D. 11.34# 8 RD [illegible] casing set at 2104.[illegible]'.

[illegible] Installed wellhead equipment and released rig. Final report for well. Water source well for zone [illegible]A.

Approved D. L. Clemmer
D. L. Clemmer, Agent

DIVISION OF OIL AND GAS
RECEIVED
OCT 6 1967
INGLEWOOD, CALIFORNIA

[illegible]OP:saj
[illegible]-2-67

Form 100

DIVISION OF OIL AND GAS

...AND GAS
...
NOV 1 1961
...

WELL SUMMARY REPORT

Operator Humble Oil & Refining Co. Well No. Newhall Land & Farming Co. 71

Sec. 18, T.-4-N, R.-16-W, S. B. B. & M. Castaic Junction Field Los Angeles County

Location 1986' N and 14529' E from Corner 11 of Rancho San Francisco, Los Angeles County, California, also 839' S and 1281' E from the W one-quarter Corner of Section 18. Elevation of ground above sea level 1,145 feet. All depth measurements taken from top of Rotary Drive Bushing which is 13.91 feet above ground.

Date October 3, 1961 Signed J F Jeansonne
J. F. JEANSONNE

Geologist G W Specht Title District Superintendent

Commenced drilling 6-20-61 GEOLOGICAL MARKERS DEPTH

Completed drilling 9-1-61 Top of Miocene 10,100'

Total depth 13,600' Plugged depth 13,427' Top of 21 Zone 13,158'

Junk None Geologic age at total depth: Miocene

Commenced producing 9-1-61 Flowing Name of producing zone 21 Zone

	Clean Oil Bbl/Day	Gravity	% Water	Gas Mcf/Day	Tubing Pressure	Casing Pressure
Initial production	575	31.0°API	0.5	685	1300#	-
Production after 30 days	609	31.0°API	0.3	718	1200#	-

CASING RECORD

Size of Casing	Depth of Shoe	Top of Casing	Weight	New Used	Seamless Lapweld	Grade	Size of Hole	Sacks Cement	Depth Perfs.
10-3/4"	820.57'	Surf.	40.5#	New & Used	SS	J-55	16"	700	-
7"	~~13498.18'~~ 13513.84	Surf.	26#,29#,32#,35#	New	SS	N-80	9-7/8"	600	-

PERFORATIONS

7" 13,133-13,132' 4- 1/2" shots per foot Lane Wells Type "E" Bullet Gun WSO
7" 13,361-13,351' 2- 1/2" shots per foot Lane Wells Type "E" Bullet Gun Squeezed
7" 13,340-13,315' 2- 1/2" shots per foot Schlumberger 4-1/2" OD S-3 Bullet Gun Prod.
7" 13,280-13,163' 2- 1/2" shots per foot Schlumberger 4-1/2" OD S-3 Bullet Gun Prod.

Electrical Log Depth 13,572'

No Cores were taken.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

November 8, 1995

Exxon Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." ~~25~~ 4,

A.P.I. No. 037-16475, Section 19, T. 4N, R. 16W, S.B. B.& M.,

Castaic Junction field, Los Angeles County,

dated 09-20-95, received 09-29-95, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

William F. Guerard, Jr
State Oil and Gas Supervisor

svl

By
Patrick J. Kinnear
Deputy Supervisor

Modified OG159 (4/94)

OPERATOR Exxon Corp. A.P.I. 037-16475

WELL NO. "Newhall Land & Farming Co" 4 SECTION 19, T. 4 N, R. 16 W

MAP

INTENTION	Abandon	Supp Abandon				
NOTICE DATED	7-27-94	3-9-95				
P-REPORT NUMBER	P294-182	P295-34				
CHECKED BY/DATE						
MAP LETTER DATED		11/16/95				
SYMBOL		+				

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	7-27-94		3-10-95									
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS		FORGOT 6				
OPERATOR'S NAME		JLO ✓				
WELL NO.		✓				
LOC & ELEV		✓				
SIGNATURE		✓				
SURFACE INSP.		4/7 SC ✓				
DRILL CARD						

RECORD'S COMPLETE _____ FMN 11/6/95 _____ _____

FINAL LETTER OK _____

MAILED _____

RELEASED BOND _____

INJECTION BOOK _____

IDLE WELL LIST _____

SURFACE INSP. CARD _____

REMARKS: _____

OK TO RELEASE FROM CONFIDENTIAL _____

ABANDONED-REMOVED FROM E.D.P. _____

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
SEP 2 1995
DIVISION OF OIL, GAS, & GEOTHERMAL RESOURCES
SANTA BARBARA, CALIFORNIA

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 4, Sec. 19, T 4N, R 16W, S.B. B. & M

A.P.I. No. 0403716475 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assist (President, Secretary or Agent)

Date 09/20, 19 95

Signature Julie H Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redr or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amo of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

08/29/95
MIRU. RIG UP MCMAHAN DEWAXING. UNSEAT PUMP. PUMPED 15 BBLS DOWN TBG TBG PRESSURE TO 500 PSI. HOOKED UP MANIFOLD AND BLOW DOWN LINE TO BAKEI TANK, CSG HAD 650 PSI, BLED DOWN TO ZERO, ALL GAS. CIRCULATE WELL WITH 8.6 WATER. CIRCULATING TOTAL OF 250 BBLS, GETTING 200 BBLS OIL AND 50 BBLS WATER. SECURED WELL FOR THE NIGHT.

08/30/95
OPEN WELL, CSG = 0 PSI, TBG = 10# PSI. BLED TO 0. H2S READING 4 PARTS PER MILLION. POOH W/57 1 INCH, 55 7/8 INCH, 98 3/4 INCH RODS. RU BOPE RU WORKING FLOOR. POOH & LD 10 3.5 INCH TBG. CLOSE WELL IN.

08/31/95
WELL FLOWING ON CSG. CHANGE OVER TO H2O. CIRCULATED CUT OIL AND GAS. LAID DOWN 3.5 INCH TBG ON TRAILER. POOH 134 2.875 INCH TBG. RIH WITH SAWTOOTH COLLAR ON 2.875 INCH TBG (134 JTS). CIW.

09/01/95
BLED GAS OFF CSG AND TBG. RIH WITH 331 JTS 2.875 INCH WORKSTRING. TAG PKR @ 10134 (NOTE: WATCHED FOR POSSIBLE 7 INCH PKR ELEMENT & SLIP @ 6191 FT). POOH 1 JT TBG. RIG UP TO CEMENT. CLOSE WELL IN.

09/05/95
OPEN WELL, NO PRESSURE. REVERSE CIRC TBG VOLUME. RIG UP FCI CEMENTERS HELD SAFETY MTG. TEST LINES 300# LOW, 3000# HIGH. PUMP 2 BBL PER MIN 900# PSI. RIG TO PUMP CEMENT. M & P 132.5 CU FT 115 SX CLASS G CMT W/3% F.R.+ 2% RETARDER + 1% W.L. @ 300#. DISPLACE WITH 54.7 BBL F/W. PULL 15+0 TO 9179 FT. REVERSE CIRCULATE, LOST 17 BBL WHILE CIRCULATING WAIT ON CEMENT. RIH, TAG CMT @ 9922. PRESSURE CSG TO 500#, HELD 5 MIN RIH TO PUMP MUD. PUMP 120 BBL 9.7 PPG P&A MUD. POOH, LAYING DOWN 2.87 N-80 TBG.

09/06/95
OPEN WELL NO PRESSURE. POOH LAY DOWN 110 JTS, RIG UP CEMENTERS. HELD SAFETY MEETING. TEST LINES 300 LOW, 3000 HIGH. MIX AND PUMP 87 CU FT 76 SX CLASS G CEMENT. DISPLACE WITH 38.5 BBL F/W @ 300#. PULL 5 JTS REVERSE CIRCULATE. RIG FOR MUD PUMP 125 BBL 9.7 PPG P&A MUD. DISPLACE WITH 19 BBL F/W @ 300#. POOH LAYING DOWN 109 JTS TBG TAIL @ 3300 FT PULL TO 3186 FT. RIG UP KFE WIRELINE. RIH WITH 10 FT LINK JET SET, 2.25 OD SHOOT 10 FT 40 HOLES FROM 3290 TO 3300 FT. RIH WITH 2.875 INCH TBG TO 3300 FT RIG UP CEMENTERS. MIX AND PUMP 72 CU FT, 63 SX, CLASS G CMT DISPLACE WITH 17 BBL F/W @ 300 #. PULL 15+0 TO 2370 FT. RIG UP PUMP, REVERSE CIRCULATE 20 MIN. RIG UP CEMENTERS, DOWN SQUEEZE 3.5 BBL @ 1000# EST TOC @ 3041. CLOSE IN WELL.

09/07/95
RDMO. OPEN WELL, NO PRESSURE. RIH, TAG TOP OF CEMENT @ 3163 FT. MUD UP WELL FROM 3163 TO 810 FT WITH 90 BBLS 9.7 PPG P&A MUD. POOH LAY DOWI 139 JTS. RIG UP WIRELINE. HELD SAFETY MEETING. RIH THRU TBG SHOOT 20

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 4, Sec. 19, T 4N, R 16W, S.B. B. & M.

A.P.I. No. 0403716475 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistar (President, Secretary or Agent)

Date 09/20, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilli or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amou of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

WELL RECORD CONTINUED: PG 2 OF 2

09/07/95
FT 80 SHOTS FROM 790 - 810. POOH. RIH WITH REMAINDER TBG TO 816 FT RIG UP CEMENTERS. TEST LINES 100# LOW 1000# HIGH. MIX AND PUMP 493 CU FT 331 SX CLASS G CEMENT DOWN 2.875 INCH TBG UP 7 INCH AND 10.75 INCH CSG TO SURFACE. RIG OUT CEMENTERS. POOH, LAY DOWN 26 JTS CLEAN BOP AND TBG WITH FIELD WATER, RDMO. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, F. NEESE, WITNESSED TAG OF CEMENT @ 3163 FT AND APPRVD MUD FROM 3163-810 FT. WITNESSED PLACING CMT IN 7 INCH AND 10.75 INCH FROM 810 TO SURFACE, 493 CU FT, 331 SX.

WELL IS PLUGGED TO SURFACE.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

Notice of Intention to Abandon Well

File in Duplicate

Supp.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
			✓

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well NEWHALL LAND & F..RMING CO. 4, API No 0403716475, Sec. 19, T 4S, R 16W, S.B. B. & M., CASTAIC JUNCTION Field, LOS ANGELES County.

commencing work on 02/21, 1995.

The present condition of the well is:

1. Total depth 10650

2. Complete casing record, including plugs and perforations (present hole)

10-3/4" 40.5# @ 0'-800' (SURFACE)
7" 26# @ 0'-10310' (PRODUCTION)
5-9/16" 22.2# @ 10282'-10650' (LINER)

3. Last produced 08/01/1985 (Date) 85 (Oil, B/D) 110 (Gas, Mcf/D) 282 (Water, B/D)

or

4. Last injected _____ (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths):

5. Oil or gas shows
ZONE #10 @ 10130'

6. Stratigraphic markers

7. Formation and age at total depth

8. Base of fresh water sands 800'

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MAR 15 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

9. Is this a critical well according to the definition on the reverse side of this form? ☒ Yes ☐ No

The proposed work is as follows:
DOG TO WITNESS SETTING OF ALL PLUGS. 688-6698 WITH ANY QUESTIONS REGARDING THIS PROCEDU

1. MIRU. INSTALL AND TEST A DOG CLASS III BOP. CLEAN OUT THE 5-9/16" LINER TO PBTD @ 10650'.
2. PLACE A CLASS "G" CEMENT PLUG FROM 10030'-10650' CEMENTING TO 100' ABOVE UPPER ZONE @ 10130'.
3. PLACE A CLASS "G" CEMENT PLUG FROM 6650'-6750' SETTING 100' PLUG FOR WELLBORE ISOLATION.
4. PLACE A CLASS "G" CEMENT PLUG FROM 3200'-3300' SETTING 100' PLUG FOR WELLBORE ISOLATION. - 4Ag
5. PLACE A CLASS "G" CEMENT PLUG FROM 810' BACK TO SURFACE IN THE 7" CASING.
   * INSURE CEMENT RETURNS THROUGH THE 7", 10-3/4" CASING ANNULUS.
6. CUT OFF CASING @ 6' AND WELD PLATE WITH WELL IDENTIFIER AND CLEAN LOCATION. DOG TO INSPECT.

* PLEASE CALL RESERVOIR ENGINEERING, JIM SHIRLEY @ (915)

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address ATTN: REGULATORY AFFAIRS ML#14 (Street)
P. O. BOX 1600
MIDLAND, TX 79702
(City) (State) (Zip)

Telephone Number (915) 688-7888 (Area Code) (Number)

EXXON CORP. (Name of Operator)

By Julie H. Mitchell (Print Name)

Julie H. Mitchell 03/09/95 (Signature) (Date)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

12/6/01

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DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

FOR DIVISION USE ONLY			
		FORMS	
CARDS	BOND	OGD114	OGD121
	BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #4 (Well designation), API No. 037-16475

Sec. 19, T. 4, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 8/15/94, 1994.

The present condition of the well is:

1. Total depth 10,650'

2. Complete casing record, including plugs and perforations
(Present hole)
10 3/4" 40.5# casing @ 0'-800'
7" 26/29# casing @ 0'-10,310' WSO:10,255'
5 9/16" 22.2# liner @ 0'-10,283'-10,650'
Slots:10,307'-10,650'

3. Last produced 12/93 27 184
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

OR

4. Last injected _____
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Upper Oil or gas shows
Zone 10-A: 10,307'

6. Stratigraphic markers:

7. Formation and age at total depth: Del Valle

8. Base of fresh water sands: 800'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1. MIRU, install and test a DOG class II BOP. RIH and clean out to the bottom of the 5 9/16" liner @ 10,650'.
2. Place class "G" cement plug from 10,650'-10,155', cementing to 100' above the top of the WSO @ 10,255' with TOC @ 10,155'.
3. Perforate the 7" casing with 4 spf @ 800'-790', pump and squeeze a class "G" cement plug to 100' above the base of freshwater @ 800' with TOC @ 700'.
4. Shoot 4 holes @ 100' in the 7" casing, pump and squeeze a class "G" cement plug from 100' to surface getting returns in casing/conductor annulus.
5. Cut off casing @ 5' and weld plate with well identifier, clean location. DOG will inspect.

• Please contact Reservoir Engineering, Isaiah Del Toro @ (915) 688-6639 with any questions regarding this procedure.

DIVISION OF OIL & GAS
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DEC 11 1950
LOS ANGELES

D 5

FORM 105 (2-49)
CALIFORNIA STATE PRINTING OFFICE

137-16475

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

This notice must be given and surety bond filed before drilling begins

Los Angeles, Calif. December 6, 1950

DIVISION OF OIL AND GAS

Los Angeles, Calif.

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of drilling well No. Newhall Land & Farming Co. 4 Proj., Sec. 19, T. 4 N., R. 16 W., S. B. B. & M., Castaic Junction Field, Los Angeles County.

Legal description of lease See attached sketch

The well is 2224.73 feet ~~N~~S. and 13609.97 feet E. ~~of W.~~ from Corner No. 11, Rancho San Francisco
(Give location in distance from section corners or other corners of legal subdivision) Los Angeles County

Elevation of ground above sea level 1275 feet.

All depth measurements taken from top of Rotary drive bushing, which is 12 feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 12,000 feet.

We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	Grade and Type	Depth	Landed or Cemented
13 3/8	54.50	J-55 SS	1,100	Cemented
7	23, 26, 29, 32,35	J-55 & N-80	12,000	Cemented

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address 612 South Flower Street
Los Angeles 17, California

Telephone number MAdison 6-7701

HUMBLE OIL & REFINING COMPANY
(Name of Operator)

By John S. Bell
John S. Bell
District Superintendent

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

AT	BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A JLW	JLW				

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

November 8, 1995

Exxon Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 19,

A.P.I. No. 037-16490, Section 19, T. 4N, R. 16W, S.B. B.& M.,

Castaic Junction field, Los Angeles County,

dated 09-30-95, received 10-12-95, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

William F. Guerard, Jr
State Oil and Gas Supervisor

svl

By
Patrick J. Kinnear
Deputy Supervisor

Modified OG159 (4/94)

OPERATOR Exxon Corp. A.P.I. 037 - 16490

WELL NO. "Newhall Land & Farming Co." 19 SECTION 19, T. 4 N, R. 16 W

MAP

INTENTION	Abandon					
NOTICE DATED	7-27-94					
P-REPORT NUMBER	P294783					
CHECKED BY/DATE						
MAP LETTER DATED	11/11/95					
SYMBOL	+					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NE
NOTICE	7-27-94											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.	5-3-96 RO					
DRILL CARD						

RECORD'S COMPLETE FMN 10/12/95

FINAL LETTER OK

MAILED

RELEASED BOND

INJECTION BOOK

IDLE WELL LIST

SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL

ABANDONED-REMOVED FROM E.D.P.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

RECEIVED
OCT 1 1995

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 19 , Sec. 19 , T 4N , R 16W , S.B. B. & M.

A.P.I. No. 0403716490 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistar (President, Secretary or Agent)

Date 09/30 , 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrill or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amot of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

09/05/95
MIRU, CHECK WELL NO PRESSURE. FILL TBG WITH H2O PRESSURE 100#. WORK PUMP LOOSE. LAY DOWN ROD, INSTALL POLISH ROD, CLOSE IN WELL.

09/06/95
CHECK WELL (NO PRESSURE). OPEN WELL, RIG UP HOT OIL TRUCK. TEST LINES 100# LOW, 1000# HIGH. PUMP 50 BBL HOT WATER DOWN TBG CSG FULL AND FLOWING TO SLOP TANK. POOH W/RODS, LAY DOWN ON TRAILER. RIG UP PUMP. PUMP 200 BBL F/W DOWN TBG RETURNS TO SLOP TANK. CLOSE IN WELL.

09/07/95
OPEN WELL, NO PRESSURE. FILL OUT ENTRY PERMIT FOR CELLAR. ND PROD TREE. INSTALL CLASS II BOP & BOE, FUNCTION TEST, RIG UP KILL MANIFOLD TO BOP. PUMP 20 BBL FIELD H2O DOWN CSG. RIG UP WORKFLOOR AND TBG EQUIP. RELEASE TENSION ANCHOR. POOH WITH 2.875 INCH TBG MEASURE TBG LAY DOWN ANCHOR. RIH W/30 JTS 2.875 INCH KILL STRING. CLOSE IN WELL.

9/08/95
OPEN WELL, NO PSI. CONT PICKING UP AND MEAS 2.875 INCH TBG. TAG FILL @ 10,660 FT. PULL TO 10,638 FT. RIG UP CEMENTERS. TEST LINES, 300# LOW, 3000# HIGH. MIX AND PUMP 76 CU FT, 66 SX CLASS G CEMENT. DISPLACE WITH 59 BBLS F/W @ 500#. PU TO 9700 FT, REVERSE CIRCULATE, CLOSE IN WELL, EST TOC @ 10,215 FT.

09/11/95
OPEN WELL TBG 0 PSI, CSG 0 PSI. RIH WITH TBG, TAG PLUG @ 10,458 FT 143 FT LOW. ATTEMPT TO TEST CSG, WOULD NOT HOLD 500#. SET TBG TAIL @ 10438 FT. REVERSE CIRCULATE. RIG UP CEMENTERS. MIX AND PUMP 44 CU FT 38 SX CLASS G CEMENT. DISPLACE WITH 59 BBL F/W @ 500#. PULL 10+0 TO 9820 FT. REVERSE OUT WAIT ON CEMENT, 3 HOURS. RIH TAG CEMENT @ 10252 PRESSURE UP CSG TO 500#. PUMPING AWAY @ 350 TO 450. POOH W/208 JTS TBG CLOSE IN WELL. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, F NEESE, WITNESSED TAG @ 10,252.

09/12/95
OPEN WELL. CONT POOH W/2.875 INCH TBG. MAKE UP ROBBIES 7 INCH 26# FULL BORE BRIDGE PLUG. RIH, SET @ 3500 FT, PULL FULL BORE TO 3490 FT. TEST BP. PULL UP LOOKING FOR HOLE IN CSG WITH FULL BORE PACKER. TEST EVERY 500 FT. FOUND BOTTOM HOLE @ 1040 FT AND TOP HOLES @ 812 FT. RIH, RETRIEVE BRIDGE PLUG. POOH W/40+0. CLOSE IN WELL.

09/13/95
CONT POOH WITH F/B AND BP. LAY DOWN BP. RIH W/FB SET @ 1040 FT. TEST TBG TO 500# HELD. RELEASE FB. POOH AND LAY DOWN FB. RIH WITH OPEN ENDED 2.875 INCH TBG. SET TAIL @ 10250 FT PUMP 112 BBL 9.7 PPG P&A MUD. DISPLACE WITH 42 BBL L/W. POOH LAYING DOWN 2.875 INCH TBG. CLOSE IN WELL. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEVE FIELDS, WAIVED SHOOTING HOLES AND WITNESS TAG @ 4500 FT.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

OCT 1 1995

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 19 , Sec. 19 , T 4N , R 16W , S.B. B. & M.

A.P.I. No. 0403716490 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 09/30 , 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

WELL RECORD CONTINUED: PG 2 OF 2

09/14/95
POOH, LAYING DOWN 2.375 WORK STRING. RIG UP CEMENTERS. TEST LINES 300# LOW, 3000# HIGH. MIX AND PUMP 22 CU FT 19 SX CLASS G CEMENT WITH TBG TAIL @ 7304 FT. DISPLACE WITH 42 BBL L/W. PULL 5+0, REVERSE CIRCULATE. PUMP 110 BBL 9.7 PPG P&A MUD. DISPLACE WITH 27 BBL L/W. PULL AND LAY DOWN 112 JTS. WITH TBG TAIL @ 4503 FT RIG UP CEMENTERS. TEST LINES 300# LOW AND 3000# HIGH. MIX AND PUMP 22 CU FT 19 SX CMT. DISPLACE WITH 24 BBL L/W. PULL 5+0, REVERSE OUT. CLOSE IN WELL.

09/15/95
PUMP 135 BBL 9.7 PPG P&A MUD DISPLACE WITH 7 BBL F/W. POOH, LAYING DOWN TBG STAND BACK 17+0. RIH TO 1047 FT RIG UP CEMENTERS. TEST LINES 100# LOW, 1000# HIGH. MIX AND PUMP 62 CU FT 54 SX CLASS G CEMENT + 3% CALCIUM CHLORIDE. DISPLACE WITH 4 BBL F/W POOH. CLOSE IN WELL.
09/18/95
RDMO. OPEN WELL (NO PSI). PRESSURE CSG TO 500#. RIG UP KFE WIRELINE RIH WITH 20 FT STRIP SHOT. TAG CEMENT @ 708 FT PULL TO 700 FT. OPEN 10.75 INCH TO CELLAR. SHOOT 20 FT OF HOLES, 80 SHOTS FROM 700-680 FT. POOH, RIH WITH 2.875 INCH TBG W/23 JTS LAY DOWN EXCESS TBG. RIG UP CEMENTERS. MIX AND PUMP 368 CU FT 247 SX @ 300# DOWN 2.875 INCH TBG @ 705 FT UP 7 INCH AND 10.75 INCH CSG. POOH LAY DOWN 23 JTS TOP FILL CSG WITH CEMENT. CLEAN BOP'S AND TBG EQUIPMENT. LOAD TBG EQUIP AND WORKING FLOOR. ND BOP. RDMO. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, M. NEESE, GAVE VERBAL, TO PUMP TO SURFACE AND APPRVD TAG @ 708 FT 9/17/95.

WELL IS PLUGGED TO SURFACE.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T295-169

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
October 2, 1995

Your operations at well "Newhall Land & Farming Co." 19, API No. 037-16490, Sec. 19, T. 4N, R. 16W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 9-18-95. Fariba Neese, representative of the supervisor, was present from 0800 to 1000. There were also present Ken Kennedy, Pool Toolpusher & John Dean, Exxon Foreman

Present condition of well: 10 3/4" cem 803'; 7" cem 10,545', WSO 10,415', Bad csg. 812'-1040'; 4 1/2" cem 10,515'-10,720', perf 10,520'-10,720'. TD 10,720'. Plugged w/cem 10,638'-10,252', 7304'-7204', 4500'-4400', 1047'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

T295-169

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator [illegible] A Well No. NL&F #19
API No. 037-[illegible] Sec. 19, T. 4, R. 11, S.B. B&M
Field [illegible], County Los A[illegible]. On 9/19/95,
Mr./Ms. Fariba N[illegible], representative of the supervisor, was present from 08[illegible] to [illegible].
There were also present [illegible]

Casing record of well: 10 3/4" cem [illegible]; 7" cem [illegible]; [illegible] 8 1/2" [illegible] 10520-10720'. [illegible] 10720'. Plugged w/ cem 10639-10757', 7300-7704', 4500-[illegible]

The operations were performed for the purpose of abandonment

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ______' is approved.

Hole size: ______" fr. ______' to ______', ______" to ______' & ______" to ______'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: 7" shot/cut at [illegible]', ______', ______' pulled fr. ______';
[illegible] ______" shot/cut at ______', ______', ______' pulled fr. ______'.
Junk (in hole): [illegible] 8[illegible]-1040'
Hole fluid (bailed to) at ______'. Witnessed by ______

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.7 PPG.	9/11/95	[illegible]	from 10252'	—	to 7300	[illegible]N
9.7 PPG	9/11/95	10	from 7704'	—	to 4500	[illegible]
9.7 PPG	9/[illegible]	[illegible]	from 4500		to [illegible]	[illegible]
Cleaned to [illegible]					[illegible] 43')	[illegible]

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
[illegible]	76 ft³	EOT @ 10639'	—	Fpt.	10458'	T[illegible]	9/[illegible]	FmN
9/11/95	44 ft³	EOT @ 10458'	1200	FMN	10252'	T[illegible]	9/11/95 [illegible]	FmN
9/11/95	22 ft³	EOT @ 7304'	—	Fpt	7204'	[illegible]	—	Fpt
9/11/95	22 ft³	EOT @ 4500'	—	Fpt.	4400	—	—	Fpt
9/15/95	62 ft³	[illegible]	0900	FmN	708'	[illegible]	9/15/95 [illegible]	FmN
9/19/95	[illegible]	EOT @ 705	—	Fpt.	Returns to surface [illegible]			

OGD10 (10/90/GSR1/5M)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

126
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JUL 27 1994
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

FOR DIVISION USE ONLY			
		FORMS	
CARDS	BOND	OGD114	OGD121
✓	SB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #19 (Well designation), API No. 037-16490

Sec. 19, T. 4 N, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 8/15/94, 1994.

The present condition of the well is:

1. Total depth 10,720'

2. Complete casing record, including plugs and perforations
(Present hole)

10 3/4" 40.5# casing @ 0'-803'
7" 23/26/29/32# casing @ 0'-10,545' WSO:10,415'
4 1/2" 11.6# liner @ 10,515'-10,720'
WSO:10,415' Slots:10,520'-10,720'

3. Last produced 8/93 23 459
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

OR

4. Last injected _____
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Upper Oil or gas shows
Zone 10-A: 10,520'

6. Stratigraphic markers:

7. Formation and age at total depth: Puente

8. Base of fresh water sands: 803'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1. MIRU, install and test a DOG class II BOP. RIH and clean out to the bottom of the 4 1/2" liner @ 10,720'.
2. Place class "G" cement plug from 10,720'-10,315', cementing to 100' above the top of the WSO @ 10,415' with TOC @ 10,315'.
3. Perforate the 7" casing with 4 spf @ 803'-793', pump and squeeze a class "G" cement plug to 100' above the base of freshwater @ 803' with TOC @ 703'.
4. Shoot 4 holes @ 100' in the 7" casing, pump and squeeze a class "G" cement plug from 100' to surface getting returns in casing/conductor annulus.
5. Cut off casing @ 5' and weld plate with well identifier, clean location. DOG will inspect.

• Please contact Reservoir Engineering, Isaiah Del Toro @ (915) 688-6639 with any questions regarding this procedure.

037-16490

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
APR 13 1953
LOS ANGELES, CALIFORNIA

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

Los Angeles 17 Calif. April 9, 1953

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. Newhall Land & Farming Co. 119, Sec. 19, T. 4-N, R. 16-W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

Legal description of lease See attached plat
(Attach map or plat to scale)

Location of Well: 2974 feet South (Direction) along property section line and 24,103 feet East (Direction) at right angles to said line from the property corner of section or corner 11, Rancho San Francisco

Elevation of ground above sea level 1324 feet M.S.L. datum.

All depth measurements taken from top of Kelly Bushing which is 10 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
10-3/4	41.85	"B" SS	0	800	Cemented 800' to surface
7	26, 29 32, 35	N-80 SS	0	11,000	Cement 11,000' to 9000'

Intended zone or zones of completion: Zone 10 of Mohnian 10,500' - 11,000'

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A (W) 4-13-53	(W) 4-13-53	EB	Blanket		

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address 612 So. Flower Street

Telephone Number MAdison 67701

HUMBLE OIL & REFINING COMPANY
(Name of Operator)

By [signature]

SEND ONE COPY OF NOTICE TO DIVISION OFFICE IN DISTRICT WHERE WELL IS LOCATED

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
December 4, 1992

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 20, A.P.I. No. 037-16491 Section 19, T. 4N, R. 16W, SB B.&M., Castaic Junction field Los Angeles County, dated June 5, 1992, received June 9, 1992 has been examined in conjunction with operations witnessed and records file in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR Exxon Corp
WELL NO. "Archbell Unit" #20
MAP

INTENTION	Abd.					
NOTICE DATED	6-5-92					
P-REPORT NUMBER	20-142					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	6-9-92											
HISTORY	11-13-92											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	12-6-92 SH					
DRILL CARD						
RECORD'S COMPLETE						

FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

INJECTION BOOK _____
IDLE WELL LIST _____
SURFACE INSP. CARD _____

REMARKS: _____

OK TO RELEASE FROM CONFIDENTIAL _____
ABANDONED-REMOVED FROM E.D.P. _____

DIVISION OF OIL AND GAS
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NOV 13 1992
VENTURA, CALIFORNIA

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. 20, Sec. 19, T 4N, R 16W, SB B. & M.
A.P.I. No. 037-16491 Name Judy Bagwell (Person submitting report) Title Sr. Staff Office Ass (President, Secretary or Agent)
Date September 18, 19 92

Signature Judy Bagwell

Environmental & Regulatory Affairs, P. O. Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

08-31-92 Spot mat. Rig up mast. Put out all guylines. Rig up mud pump and tank. Spotted tank for fresh H_2O. Installed ball valves on casing and production tree. Rig up blow down steel line. Secured well. Shut down.

09-01-92 Service equipment. No pressure on well. Rig up bailer tanks. Changed well over to fresh H_2O with 230 bbls. Rig up Coast wireline and set tubing plug at 40' down. Remove prod tree. Nipple up and function test BOP. Rig up working platform. Unset Baker anchor catcher. Ran in and retrieved tubing plug. Rig out wireline service. Rig up tubing equipment. Started POOH, laying down 2-7/8 tubing (165 joints). Left 38 joints in hole for kill string. Secured well. Shut down.

09-02-92 Service equipment. No pressure on well. Open well up. Finished POOH, laying down 2-7/8 tubing. Made up Otis J-tool with bumper sub. Started picking up and measuring in hole with 2-7/8 work string. Picked up 169 joints 2-7/8 N-80 and 74 joints 2-7/8 P-105 tubing. Secured well. Shut down.

09-03-92 Service equipment. No pressure on well. Open well up. Finished RIH, picking up and measuring P-105 tubing. Tag Otis packer at 10675'. Latch on standing valve and release same. Pull 1 joint 2-7/8 tubing. Let well equalize. POOH with work string. Lay down bumper sub, J-tool and standing valve. Ran kill string. Secured well. Shut down.

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09-04-92 Service equipment. No pressure on well. Open well up. POOH with kill string. Rig up for 1-1/4 tubing. Haul in 20 joints 1-1/4 tubing. RIH with 2-7/8 work string tubing. Tag fill at 10820'. Rig up Guiberson and pump. Unable to make hole. 1-1/4 tubing kept plugging up. Circulate hole clean. Pulled tubing above top perforations. Secure well. Shut down.

09-05-92
through
09-07-92 No well work.

09-08-92 Service equipment. No pressure on well. Open well up. RIH with tubing, tag at 10,820', Pull out and locate tubing at 10,815'. Rig up BJ. Mixed and pumped 65 sacks Class G cement with 40% silica flour, 1% Fluid Loss, 0.2% friction reducer and 0.3% retarder. Displaced with 60 bbls fresh H_2O. Rig out BJ. Pull out and locate tubing at 10,000'. Rig up pump and back scuttle tubing clean. Rig out pump. Pull 5 stds out (300'). Secure well. Shut down.

09-09-92 Service equipment, check well psi (both casing and tubing static). Open to atmosphere. Tag TOC at 10,385', witnessed by Pete Wagle, Division of Oil and Gas. POH to 10,380'. Rig up to pressure casing. Broke circulation. Had g returns for 15 minutes. Pressure up casing to 500#. Bled back 50# per minute, 500# bled back in 10 minutes. Bled psi off completely. Rig up. Pressure up on casing to 500#. Isolate all surface valves. No leaks at surface. Pressure bleeding off at same rate, 50# per minute. Tried pressuring up twice. Held 10 minutes. Bled psi completely. POH with tubing, 337 joints of 2-7/8. Lay down 20 joints 1-1/4. RIH with 5 stds 300' kill string. Secure well.

09-10-92 Service equipment. Check well for psi (static). Open to atmosphere. POOH with kill string 10 joints. RIH with tubing to 2025'. Break circulation. Circulate 20 minutes. Set packer. Rig up to test above packer. Packer pressured up to 500#, bled off to zero in 10 minutes. Rig up to test below packer, pressured to 500# for 10 minutes, held solid. Bled psi off. Release packer. POH with tubing to 1715'. Reset packer. Rig up to test above packer, pressured to 500# for 10 minutes, held solid. Bled psi off. Rig up to test below packer. Pressure to 500# for 10 minutes. Held solid. Bled psi off. Pulled up 5' from last set at 1715' to 1710'. Retest both sides of packer, held 500# 10 minutes, held solid. Bled psi off. Released packer. Rig up to

test casing, pressured up hole column from 0 to 10,385', held 500# 10 minutes. Bled psi off, called Steve Fields, Division of Oil and Gas. He gave approval at 10:05 am to continue. POH with tubing. Lay down packer. RIH with tubing to TOC at 10,385'. Pulled up 5'. Rig up pump to change over to 9.7# mud. Changed over with 373 bbls 9.7# mud. Secured well.

09-11-92 Service equipment, check well pressure (static). Open to atmosphere. POOH, stood back in derrick 13 stds (26 joints). Pull out, laying down tbg. Run in hole with kill string 300' (5 stds). Secured well and rig.

09-12-92
through
09-13-92 No well work.

09-14-92 Service equipment, check well pressures (static). Open to atmosphere. POOH with kill string. Rig up Dia-Log. Shot 780'-800', 4 shot per foot. Rig down Dia-Log. Broke circulation between 7" and 10-3/4" with 20 barrels. RIH with tubing to 822'. Rig up BJ. Mix and pumped 100 sacks Class G cement with 2% $CaCl_2$, 15.7# per gallon. Displaced tubing with 14 cubic feet fresh water. Rig down. POOH. Rig up Dia-Log. Perf 209'-210'. Rig down Dia-Log. RIH with kill string (120'). Secured well.

09-15-92 Service equipment, check well (static). Open to atmosphere. RIH, tag TOC at 694'. Pull out of hole, lay down tubing to 221'. Rig up BJ. Cement top plug with 145 sacks Class G cement from 221' to surface in 7" and 210' to surface in 7" x 10-3/4" annulus. POOH. Lay down tbg. Surface operations witnessed by Peter Wygle, Division of Oil and GasRig down BJ. Cleaned equipment and lines. ND BOPE. Rig down, move off. Well is plugged and abandoned.

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VENTURA, CALIFORNIA

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-186

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
September 18, 1992

Your operations at well "Newhall Land & Farming Co." 20, API No. 037-16491, Sec. 19, T. 4N, R. 16W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 9-15-92. Pete Wygle, representative of the supervisor, was present from 0700 to 0900. There were also present D. Morris, Operator's Respresentative.

Present condition of well: 10 3/4" cem 795'; 7" cem 10,714', perf 209', 780'-800', 10,306', 10,401' & 10,454'-10,670', perf 10,530' WSO, 4 1/2" l 10,678'-10,837', all perfs. TD 10,851'. Plugged w/cem 10,815'-10,385', 820'-694' & 221'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

PK:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109

SP I 184

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator Exxon Corp. Well No. "Newhall Land & Farming Co" 2
API No. 037-16491 Sec. 19, T. 4N, R. 17W, SB B&M
Field Castaic Jct, County Los Angeles. On 9-15-92,
Mr./Ms. P. Wygle, representative of the supervisor, was present from 0700 to 0930.
There were also present D. Morris, Operator's rep.
Casing record of well: 10 3/4" cem 795'; 7" cem 10,714', perf 209, 780'-800', 10,306', 10,401' 10,484'-10,620', perf 10,530' WSO; 4 1/2" to 10,678'-10,835', 3" perfs. TD 10,851'. Plugged: 4 1/2" cem 10,678'-10,385', 820'-694' & 221'-5'.

The operations were performed for the purpose of abandonment

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: perf 4 hpf 7" shot/cut at 780-800', 209', _____' pulled fr. _____';
_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
9/8	115 cf	tbg 10,815	~	rptd	10,385	8K tbg	9-9-92 0700-0930	PRW
9/14	115 cf	✓ 820	1000-1200	PRW	694	WL [illegible]	9-15-92 0700-0930	PRW
9/15	166 cf	✓ 221	0700-0930	PRW	5	WL [illegible]		

OGD10 (10/90/GSR1/5M)

EXXON COMPANY, U.S.A.
POST OFFICE BOX 5025 • THOUSAND OAKS, CALIFORNIA 91359-5025 • (805) 494-2000

PRODUCTION DEPARTMENT
WESTERN DIVISION

RECEIVED
JUL 1 1992
VENTURA, CALIFORNIA

June 30, 1992

Steve Fields
Engineer, District 2
California Department of Conservation
Division of Oil and Gas
1000 S. Hill Road, Suite 116
Ventura, CA 93003

Dear Steve,

We have submitted 9 Notices of Intention to Abandon Well which need correcting.

In the process of actually abandoning the wells at Castaic, we have learned that cementing to surface from the base of fresh water doesn't work well as a standard procedure. We therefore propose, for permitting purposes, that we revert to the conventional 100' plug above the BOFW, mudding to 100' below surface, and then cementing from 100' to surface. (All of the cement plugs are both inside and outside the production casing).

The wells that will be affected for Castaic Junction Field are: Newhall Corporation #1, NL&F #16, 20, 22, 25, 28, 32, 38, and 72.

If you have any questions, you may reach me at (805) 494-2139. Thank you for your cooperation.

Sincerely,

Jeffrey L. Denney
Project Engineer

JLD\dy
MrFields.Ltr

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.P292-147
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
June 17, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 20, A.P.I. No. 037-16491, Section 19, T. 4N, R. 16W, S.B. B.&M., Castaic Junction field, ------- area, 10-A pool, Los Angeles County, dated 6/5/92, received 6/9/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 5M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,837'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10,430' & 690'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:tkc

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By for Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
December 4, 1992

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 21, A.P.I. No. 037-16492 Section 19, T. 4N, R. 16W, SB B.&M., Castaic Junction field Los Angeles County, dated June 18, 1992, received June 23, 1992 has been examined in conjunction with operations witnessed and records file in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR
WELL NO.
MAP

INTENTION	Abd					
NOTICE DATED	6-18-9					
P-REPORT NUMBER						
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE												
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV						
SIGNATURE						
SURFACE INSP.	6-5-92					
DRILL CARD						

RECORD'S COMPLETE _____ _____ _____ _____ _____ _____

FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

INJECTION BOOK _____
IDLE WELL LIST _____
SURFACE INSP. CARD _____

REMARKS: _____

OK TO RELEASE FROM CONFIDENTIAL _____
ABANDONED-REMOVED FROM E.D.P. _____

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
NOV 13 1992
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Corp. Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. 21, Sec. 19, T 4N, R 16W, SB B. & M.
A.P.I. No. 037-16492 Name Judy Bagwell (Person submitting report) Title Sr. Staff Office A (President, Secretary or Agent)
Date October 8, 19 92

Signature Judy Bagwell

Environmental & Regulatory Affairs, P. O. Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

09-15-92 Move in, rig up.

09-16-92 Rig up to pump down tubing with fresh water, tubing pressured to 500#, then bled off to 0 in 1/2 minute, switched valves. Rig up to reverse circulate oil out (change over to fresh water) with 380 bbls. Rig up Coast Wireline with lubricator. RIH. Set tubing back pressure valve at 31'. Rig down Wireline truck. Nipple down injection tree (tubing landed on injection tree). Strip over BOPE. Nipple up. Function test BOPE, check for leaks. Rig up working platform, tubing, Coast wireline. RIH. Retrieve tubing back pressure valve. POH. Rig down wireline, secure well.

09-17-92 Check well psi, tubing 0, casing 0. Open well. Fill both casing and tubing to surface with fresh water. Pulled on tubing. Found seal assembly stuck. Called out Dia-Log. Rig up Dia-Log. RIH with free point tool and 8' stringshot. Found tubing free at 10,411' to 10,430', found stuck area at 10,435. 8' stringshot offcentered at 10,441. Worked tubing from 80k to 95k. Unable to pull free. POH with Dia-Log. Changed tools. RIH with Chemical cutter. Locate stuck area. Made cut at 10,432'. POH and rig down Dia-Log. Pulled up 30' above cut. Secure well.

09-18-92 Well psi, tubing 0 casing 0. Open well. Rig up, reverse circulate approximately 100 bbls oil out w/400 bbls fresh water. Rig up. POH and lay down production string. TOH with 160 joints total. Secure well.

DIVISION OF OIL AND GAS
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09-19-92
through
09-20-92 No well work.

09-21-92 Well psi - tubing 0, casing 0. Open well. Rig up to reverse circulate with 200 bbls fresh water. Clean returns. Approximately 10 bbls oil back from wellbore. Continue POH and lay down production string. TOH with total 287 joints J-55 tubing (8696') stood back 25 stds. Broke off cut joint. RIH with 50 joints 2-7/8 tubing (1536'). Rig up and fill casing and tubing with fresh water to surface. Close BOP. Pressure test formation for break down rate 2 BPM at 400#. Shut pump down, bled to 0, continue RIH and pull up 60 joints 2-7/8 tubing (1851'). Secure well.

09-22-92 Well psi - tubing 0, casing 0. Open well. Continue pull up 2-7/8 N-80 tubing (168 joints 5059') and (121 joints P-105 3821') off trailer. Total of 339 joints in hole. Tubing tail at 10,426, TOF at 10,436'. Pulled up 10'. Rig up. Fill hole, broke circulation w/8 bbls. Rig up Halliburton Broke circ w/10 bbls. Test pump lines 3500#. Establish pump rate at 850# 20 bp. Spot cement plug at 10,426', 56 sacks, 88 cu ft, Class G w/40% silica flour, .5% retarder, .75% friction reducer, Wt. 15.7 ppg. Rig down Halliburton. POH with 16 joints to 9920'. Rig up. Reverse circ w/60 bbls. Lost total of 16 bbls during operation. Secure well.

09-23-92 Well psi - tubing 0, casing 0. Open well. RIH to TOC at 10,283', 153' from cut stub at 10,436'. P. Wygle, Division of Oil and Gas, witnessed and approved the bottom plug. Pulled to 10,253'. Pressure test casing to 500. Bled off to zero. Found communication between 7" and 10-3/4". POH with 33 stds 2079', MU Robison T.S.T. packer. RIH to 2079'. Fill hole. Set packer. Began testing, looking for hole. 1st setting at 2079', pressure test to 500# below packer (good), found leak above. POH 60' at a time. Found hole at 1315'. Released packer. POH and lay down packer. RIH to 10,283'. Prepare for changeover to abandonment mud in the morning. Secure well.

DIVISION OF OIL AND GAS
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NOV 13 1992
VENTURA, CALIFORNIA

09-24-92 Well psi - tubing 0, casing 0. Open well. Rig up. Change over to abandonment mud, mud up with 340 bbls to 1400'. Rig up. POH and lay down tubing, 116 joints 2-7/8 P-105 tbg, 168 joints 2-7/8 N-80, total 284 joints (8804'). Secure well.

09-25-92 Well psi, tubing 0, casing 0. Open well. POH with 5 joints J-55 tubing. Completed mud up to 1400', tubing at 1419'. Additional 20 bbls, broke circ between 7" x 10-3/4". Circ oil out w/5 bbls to clean returns. Rig up Halliburton. Broke circulation through both 7" and 10-3/4". With tubing tail at 1414', test pump lines to 3500#. Spot cement plug: Type G neat cement, no additives or retardants, total of 136 sacks, 156 cu ft. Squeezed out 93 cu ft between 7" X 10-3/4", 63 cu ft in 7" casing. Witnessed by P. Wyle, Division of Oil and Gas. Displaced tubing with 4.8 bbls. POH to 810'. Reverse circulate. Clear tubing with 5 bbls. POH. Rig up Halliburton. Secure rig and well.

09-26-92
through
09-27-92 No well work.

09-28-92 Well psi - tubing 0, casing 0. Open well. RIH TOC at 951', witnessed and approved by F. Neese, Division of Oil and Gas. Rig up. Mud up to surface with 32 bbls. Pressure test casing to 500#, held solid. POH and lay down 18 joints excess tubing. Stood back 27 joints (812'). Rig up Dia-Log. RIH. Shot holes 20' - 4 SPF 798'-788' and 788-778'. POH Rig down wireline. RIH with tubing tail at 812'. Rig up Halliburton. Test lines to 2000'. Broke circulation. Spot cement type G neat cement, 15.7 ppg, 87 sacks. Displace with 3.5 bbl fresh water. Cementing witnessed by Division of Oil and Gas. Rig down Halliburton. POH with tubing. Estimate 200' linear ft in both 7" and 7" X 10-3/4". Rig up Dia-Log. RIH. Made top shot 4' - 4 spf at 200'. POH. Rig down Wireline, secure well.

DIVISION OF OIL AND GAS
RECEIVED
NOV 13 1992
VENTURA, CALIFORNIA

09-29-92 Well psi - tubing 0, casing 0. RIH TOC at 591'. POH and lay down excess tubing, 13 joints (391'). Rig up Halliburton. Broke circulation from both 7" and 10-3/4". With tubing tail at 210', spot surface plug with Type G neat cement, 15.7 ppg, 87 sacks. Cement to surface. Rig down Halliburton. POH and lay down tubing, 7 joints (210'). Clear all pump lines of mud and cement. Clean and load out tubing equipment and work floor. Nipple down BOP. Rig down, move on. Clean location. Well is plugged and abandoned.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-201

REPORT ON OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
October 19, 1992

Your operations at well "Newhall Land & Farming Co" 21, API No. 037-16492 Sec. 19, T. 4N, R. 16W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 9-29-92. Fariba Neese, representative of the supervisor, was present from 1100 to 1330. There were also present Dave Morris (Exxon) & Ralph Leon (Pool)

Present condition of well: 10 3/4" cem 793'; 7" cem 10645'; perfs 10520'-10620', perfs 10490' (WSO); TD 10879'. Junk: tbg w/top @ 10432', pkr @ 10440'. Plugged w/56' 3 cem below fish @ 10432' & w/cem 10426'-10283' 1414'-951', 812'-591', 210'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

FN:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109

T 201

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator Exxon Corporation **Well No.** "Newhall Land & Farming Co." 21
API No. 037-16492 **Sec.** 19 , **T.** 4N , **R.** 16W , S.B. **B&M**
Field Castaic Junction , **County** Los Angeles . **On** 9-29-92 ,
Mr./Ms. Fariba Neese , representative of the supervisor, was present from 1100 to [illegible].
There were also present [illegible] (Exxon) and Ralph [illegible]
Casing record of well: 10 3/4" cem. 793'; 7" cem. [illegible]; perfs. 10520'-[illegible]' perfs. [illegible] 10432', pkr. @ 10440'. Plugged w/ 51 cf cem. below [illegible] 10432 & w/ [illegible] 10293 [illegible]

The operations were performed for the purpose of Abandonment

[X] The plugging/cementing operations as witnessed and reported are approved.

[ ] The location and hardness of the cement plug @ ______' is approved.

Hole size: ____" fr. ____' to ____', ____" to ____' & ____" to ____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: 7" shot/cut at [illegible]', 200', ____' pulled fr. ____';
____" shot/cut at ____', ____', ____' pulled fr. ____'.

Junk (in hole): ____

Hole fluid (bailed to) at ____'. Witnessed by ____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
9-22	51 cf	[illegible] 10,432	[illegible]	[illegible]	10,293	8K [illegible]	[illegible]	[illegible]
9-25	156 ft³	Tbg.@ 1414'	Rpt.	—	951	5K tbg	9-28-92 08:00	FMN
9-28	100 ft³	Tbg.@ 812'	0700-1100	FMN	591	5K tbg	9-29-92 07:00	FMN
9-29	18 ft³	Tbg.@ 210'	1100-1330	FMN	5' *	visual	9/6 1000	[illegible]

* TOPPED OFF 7" W/ 2SX CEM TO SURFACE.

OGD10 (10/90/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

May 8, 1996

EXXON CORPORATION
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 24,

A.P.I. No. 037-16495, Section 19, T. 4N, R. 16W, S.B. B.& M.,

Castaic Junction field, Los Angeles County,

dated 11-8-95, received 11-17-95, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

svl

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

Modified OG159 (4/94)

DIVISION OF OIL AND GAS

Jan. 1996
FMN

STATE OF CALIFORNIA • RESOURCES AGENCY • DEPARTMENT OF CONSERVATION •

Memo for well file —

Abandonment completed in Nov '95. Surface plugs ok.

Final Surface inspection will be delayed until Spring/Summer

As per FMN | J. Dean Exxon Corp ... cellar cement removal to take place after lease roads are torn out.

SUFF. INSP. OK 5/3/96
MO

OG15 (6-82-DWRR-10M)

OPERATOR Exxon Corp. A.P.I. 037- 16495

WELL NO. "Newhall Land & Farming Co" 24 SECTION 19, T. 4 N, R. 16 W

MAP

INTENTION	Abandon					
NOTICE DATED	7-27-94					
P-REPORT NUMBER	P294-180					
CHECKED BY/DATE						
MAP LETTER DATED	8/25/95					
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NE
NOTICE	7-27-94											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.	E-396 MO					
DRILL CARD						

RECORD'S COMPLETE _____ _____ _____ _____ _____ _____

FINAL LETTER _____ OK _____

MAILED _____

RELEASED BOND _____

INJECTION BOOK _____

IDLE WELL LIST _____

SURFACE INSP. CARD _____

REMARKS: _____

OK TO RELEASE FROM CONFIDENTIAL _____

ABANDONED-REMOVED FROM E.D.P. _____

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
NOV 17 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 24, Sec. 19, T 4N, R 16W, S.B. B. & M.

A.P.I. No. 0403716495 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistar (President, Secretary or Agent)

Date 11/08, 19 95 Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redril or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amo of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

10/18/95
MIRU. GUY OUT FULLY. RIG UP KILL LINE. UNHANG WELL. WORK PUMP LOOSE. LAY DOWN 1 ROD. PU POLISH ROD. CLOSE IN WELL.

10/19/95
RIG UP PUMP AND LINES. WAIT ON HOT OIL TRUCK. RIG UP HOT OIL TRUCK. PUMP 70 BBL HOT WATER DOWN TBG. CSG FLOWING AROUND WELLHEAD. WAIT ON ORDERS. CLEAR OUT CELLAR. RIG UP RISER FOR 10.75 INCH CSG. FILL CELLAR WITH 20 BBL CEMENT W/4% CALCIUM CHLORIDE. EXTRA MAN TO WATCH WELL

10/20/95
OPEN WELL (NO PRESSURE). POOH LAY DOWN ALL RODS. CHANGE PIPE RAMS TO 3.5 INCH. CIRCULATE 220 BBL LEASE WATER DOWN TBG. WELL DEAD. CLOSE IN WELL.

10/23/95
OPEN WELL (NO PRESSURE). FILL OUT ENTRY PERMIT FOR CELLAR. NIPPLE DOWN PROD TREE. NIPPLE UP BOP AND BOE. FUNCTION TEST. RIG UP WORK FLOOR AND TBG EQUIPMENT. UNLAND TBG. RELEASE ANCHOR. PULL AND LAY DOWN 53 JTS 3.5 INCH TBG. PULL & MEASURE 140 JTS 2.875 N-80 TBG. PICK UP 10 JTS 2.875 INCH TBG. CLOSE IN WELL.

10/24/95
OPEN WELL, NO PRESSURE, RIH W/70+0 2.875 TBG OUT OF DERRICK. MEASURE & PICK UP 2.875 INCH N-80 WORKSTRING. TAG FILL @ 10658 FT. REVERSE CIRC WELL. RIG UP CEMENTERS. TEST LINES 300# LOW, 3000# HIGH. PUMP 5 BBL L/W AHEAD. MIX AND PUMP 60 CU FT, 52 SX, CLASS G CEMENT. DISPLACE W/6 BBL F/W. PULL 12+0. REVERSE OUT. CLOSE IN WELL EST TOC @ 10245 FT.

10/25/95
OPEN WELL, NO PRESSURE. RIH, TAG CEMENT @ 10,381 FT. PUMP 5 BBL FIELD WATER AHEAD. MIX & PUMP 22 CU FT, 18 SX, CLASS G CEMENT. DISPLACE WIT 60 BBL F/W. PULL 5+0 REVERSE CIRCULATE. POOH WITH 2.875 & 2.375 INCH TBG. LAY DOWN 10 JTS 2.375 INCH. RIH WITH KILLSTRING. CLOSE IN WELL EST TOC 10281 FT. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEVE MULQUEEN, WITNESSED TAG. TAG LOW @ 10,381 FT 36 FT LOW WILL PLACE 100 FT CEMENT TO 10281 FT. (APPROVAL TO PLACE PLUG FROM 10,381 - 10,281 +/-, WAIVED RETAG).

10/26/95
OPEN WELL, NO PRESSURE. POOH W/10+0 KILL STRING. MAKE UP ROBBIES 7 INCH 26# FULL BORE PACKER. RIH TO 2000 FT TEST DOWN TBG FROM 2000 FT T 10281 FT @ 500#. HELD, PULL AND TEST TO 1650. FOUND HOLES FROM 1650 T 1000 FT. POOH LAY DOWN PACKER. RIH W/40+0 2.875 OPEN ENDED TBG CLOSE IN WELL. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEVE FIELDS, GAVE VERBAL APPRVL ON WAIVING WITNESSING PLUG FROM 440 - 4500 FT IN RETURN FOR PUMPING APPROX 800 SX FROM 1700 FEET TO SURFA I 7 INCH AND 10.75 INCH CSGS.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 24, Sec. 19, T 4N, R 16W, S.B. B. & M.

A.P.I. No. 0403716495 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assis (President, Secretary or Agent)

Date 11/08, 19 95

Signature [signature]

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redr or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, am of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

WELL RECORD CONTINUED: PG 2 OF 2

10/27/95
OPEN WELL, NO PRESSURE. RIH W/2.875 INCH TBG. RIG BROKE DOWN. CLOSE IN WELL.

10/30/95
OPEN WELL, NO PRESSURE. RIH W/2.875 N-80 TBG. TAG CMT. RIG UP FCI CEMENTERS. TEST LINES 300# LOW, 3000# HIGH. MIX AND PUMP 118 BBL 9.7 PPG P&A MUD. PULL AND LAY DOWN 112 JTS 2.875 N-80 WORK STRING. REVERS CIRCULATE. CLOSE IN WELL.

10/31/95
OPEN WELL, NO PRESSURE. RIG UP FCI CEMENTERS. TEST LINES 300# LOW, 3000# HIGH. WITH TBG TAIL @ 7199 MIX AND PUMP 22 CU FT, 14 SX, CLASS G CMT WITH 4% GEL. DISPLACE @ 500# WITH 41 BBL F/W. LAY DOWN 5 JTS. REVERSE WELL. RIG UP FCI. MIX & PUMP 102 BBL 9.7 PPG P&A MUD FROM 7044 TO 4380 FT. PULL, LAY DOWN 83 JTS 2.875 INCH TBG. REVERSE OUT. RIG UP FCI CEMENTERS, TEST LINES. MIX AND PUMP 102 BBL 9.7 PPG P&A MUD FROM 4380 TO 1707 FT. PULL LAY DOWN 83 JTS. REVERSE OUT. CLOSE IN WELL.

11/01/95
OPEN WELL, NO PRESSURE. RIG UP FCI CEMENTERS. TEST LINES 100# LOW & 1000#. MIX AND PUMP 455 CU FT, 396 SX CLASS G CEMENT WITH 3% CC & 50# LCM. DISPLACE WITH 6 BBL FIELD WATER FROM 100# FINAL 500#. TBG TAIL @ 1712 FT. POOH WITH 56 JTS. WAIT ON CEMENT. RIH CEMENT WET. POOH. CLOSE IN WELL EST TOC @ 1050 FT.

11/02/95
RDMO. RIH, TAG CEMENT @ 413 FT. LAY DOWN 42 JTS. RIH W/13+0 TO 410. RIG UP FCI CEMENTERS, TEST LINES 100# & 1000#. MIX & PUMP 206 SX IN 10.75 AND 7 INCH CSG. POOH, LAY DOWN ALL TBG. RDMO, CLEAN LOCATION. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, F.M. NEESE, WITNESSED TAG @ 425 FT & PUMPING OF 125 SX CEMENT FROM 425 TO SURFACE AND DOWN SQUEEZING 81 SX IN 10.75 INCH CSG.

WELL IS PLUGGED TO SURFACE.

DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 6, 1995

Your operations at well "Newhall Land & Farming Co." 24, API No. 037-16495, Sec. 19, T. 4N, R. 16W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 11-02-95. Fariba Neese, representative of the supervisor, was present from 1000 to 1300. There were also present Ken Kennedy, Pool Services

Present condition of well: 10 3/4" cem 785'; 7" cem 10,500', Perf 10,445' (WSO); 4" ld 10,460'-10,710', perfs 10,501'-10,710'. TD 10,865'. Plugged w/cem 10,658'-10,281'; 7200'-7100'; 1712'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

DIVIS ' OF OIL, GAS, AND GEOTHERMAL R URCES

Cementing/Plugging Memo

Operator Exxon Corp. USA Well No. Newhall Land & Farming #24

API No. 037 - 16495 Sec. 19, T. 4, R. 16 W, S.B. B&M

Field Castaic Junction, County Los Angeles. On November 2, 1995,

Mr./Ms. [illegible], representative of the supervisor, was present from 1000 to 1300.

There were also present Ken Kennedy Pool Succ.

Casing record of well: 10 3/4" cem. 785'; 7" cem. 10,500', Perf 10445' (WSO); 4" ld 10,46 10710', perfs 10501 - 10710'. T.D. 10865'. Plugged w/ cem 10658 - 10281; 7200 - 7100; 1712 - 5'.

The operations were performed for the purpose of abandonment

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' are approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
			*	11/2/95	[illegible]	SX	[illegible]	[illegible]			

Holes in Casing found 700'

Casing/tubing recovered: _____" shot/cut at _____', _____', _____' pulled fr. _____';

_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.7 [illegible]	10/25/95	118	10281		to [illegible]	Rpt.
9.7 [illegible]	10/31/95	204	[illegible]		to [illegible]	Rpt.

Cleaned out to 10658'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
10/24	80 ft³	EOT @ 10658'	-	Rpt.	10281'	Tag w/ tbg	10/25 0900	SPM
10/31	22 ft³	EOT @ 7200'	-	Rpt.	7100'	Tag w/ tbg	11/1/95 —	Rpt.
11/1	395 sx	EOT @ 1717'	12:00	FMN	412'	Tag w/ tbg	11/2/95 10:0	FMN
11/2	* 129 sx	EOT @ 412'	12:00	FMN	[illegible]	[illegible]	[illegible]	[illegible]

Sq. 7" @ [illegible]'

OGD10 (1/93/GSR1/5M)

119-0025A

DRILLERS RECONDITIONING REPORT

PRODUCTION DEPARTMENT

EXXON COMPANY, U.S.A.

MORNING TOUR DRILLER	DAY TOUR DRILLER	EVENING TOUR DRILLER
	Elio Valladares	

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	DESCRIPTION OF WORK PERFORMED
6:00	7:00	1	D.T.L. Service Rig & Equip - Held 15 min Safety Meeting on Todays Activities All Crew Present -
7:00	2:00	7	open well (No pressure) - RIH w/ 70 +0 2⅞ Tbg out OF Derrick - Measure & Pick up Jts 2⅞ N-80 work String - Tag Fill @ 10,658' Reverse circulate well - Rig
2:00	5:00	3	up Cementers - Test Line 300# Low 3000# High O.K. Held Safety Meeting - Pump 5 BBL F/W Ahead - Mix & Pump 60 CUFT 52 sx Class 'G' Cement - Displace
5:00	7:30	2½	w/ 60 BBL F/W - Pull 12 +0 Reverse out - Close in well - EOT
		13½	Est T.O.C @ 10245'

Rig & Crew	1830
Crew Travel	127.50
FCI	1379 —
Fillmore	400.00
Baker Tank	75.00
Enterra	300 —
Todays	4111.50
Accum	14,848.75
Totall	18,960.25

WORKOVER FLUID	TYPE	WT/GAL.	TREATMENT	AMOUNT LOST TODAY
	Lease water	8.4	NONE	NONE

TYPE OF JOB	CEMENT DESCRIPTION (TYPE AND ADDITIVES)	NO. OF SACKS MIXED	NO. OF SACKS SQZ.	SURFACE PRESSURE BREAK DOWN	SURFACE PRESSURE MAXIMUM	SURFACE PRESSURE FINAL	SLURRY WEIGHT	API WATER LOSS	TIME W.O.C.	TEST PRESS.	DEPTH FROM	DEPTH TO
P&A	Class 'G'				500		15.5		24	300 3000	10658	10245'

TYPE OF MEASUREMENT ☐ GR ☐ EL ☐ WL ☐ DRLR ☐ PDD ☐ TD

TBG. SET AT | PROD. PKR. SET AT | SEPAR. PKR SET AT | COLLARS CHECKED (DEPTHS)

DEPTH FROM	DEPTH TO	SHOTS (GALS.)	BULLET/JET (KIND OF FLUID)	GUN OD (MAX. PRESS.)	GUN NAME (MINIMUM PRESSURE)	SERVICE COMPANY	REMARKS

DISTRICT: Western | FIELD: Castaic | LEASE: NL&F | WELL NO.: 24 #

SUMMARY OF TODAYS OVERALL COSTS (RIG, SERVICES, MATERIAL, TRANSPORTATION) → $ 4111.50

PREVIOUS JOB COSTS $ 14,848.75 | TOTAL COSTS $ 18960.25

RIG NO.	COMPANY	DATE	HOURS	RATE PER HR.	JOB NO.	REPORT NO.
5719 #	Pool	10/24/95	13 ½	$ 152.50	12 #	5 #

Ken J Kennedy

APPROVED (Exxon Field Superintendent)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P294-180

PERMIT TO CONDUCT WELL OPERATIONS

126 (field code)
00 (area code)
-- (new pool code)
05 (old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
August 3, 1994

Your proposal to abandon well "Newhall Land & Farming Co." 24, A.P.I. No. 037-16495, Section 19, T. 4N, R. 16W, S.B. B.&M., Castaic Junction field, ---------- area, 10-A pool, Los Angeles County, dated 7/27/94, received 7/27/94, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOGGR Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10, 710'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   A. To witness the location and hardness of the cement plugs at 10,345' and 685'.
   B. To witness the mudding of the well.
   C. To witness the placing of cement inside the 7" casing and all annuli.
   D. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

126
10/01/04

RECEIVED
JUL 27 1994
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

FOR DIVISION USE ONLY			
		FORMS	
CARDS	BOND	OGD114	OGD121
✓	BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #24 (Well designation), API No. 037-16495

Sec. 19, T. 4 N, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 8/15/94, 1994.

The present condition of the well is:

1. Total depth 10,710'

2. Complete casing record, including plugs and perforations
(Present hole)

10 3/4" 40.5# casing @ 0'-785'
7" 23/26/29# casing @ 0'-10,500' WSO:10,445'
4" 11.6# liner @ 10,460'-10,710'
WSO:10,445' Slots:10,501'-10,710'

3. Last produced 8/93 24 285
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

OR

4. Last injected _____
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Upper Oil or gas shows
Zone 10-A: 10,501'

6. Stratigraphic markers:

7. Formation and age at total depth: Del Valle

8. Base of fresh water sands: 785'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1. MIRU, install and test a DOG class II BOP. RIH and clean out to the bottom of the 4" liner @ 10,710'.
2. Place class "G" cement plug from 10,710'-10,345', cementing to 100' above the top of the WSO @ 10,445' with TOC @ 10,345'.
3. Perforate the 7" casing with 4 spf @ 785'-775', pump and squeeze a class "G" cement plug to 100' above the base of freshwater @ 785' with TOC @ 685'.
4. Shoot 4 holes @ 100' in the 7" casing, pump and squeeze a class "G" cement plug from 100' to surface getting returns in casing/conductor annulus.
5. Cut off casing @ 5' and weld plate with well identifier, clean location. DOG will inspect.

• Please contact Reservoir Engineering, Isaiah Del Toro @ (915) 688-6639 with any questions regarding this procedure.

FORM 107

THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

SEP 10 1969

Notice of Intention to ~~Drill New Well, Redrill, Deepen~~ Alter Casing in Well

This notice must be given before work begins; one copy only

SANTA PAULA, CALIFORNIA

Long Beach, Calif. September 5, 196

DIVISION OF OIL AND GAS

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of deepening, redrilling, plugging or altering casing at Well No. Newhall Land and Farming (Cross out unnecessary words) Company No. 24, Sec. 19, T. 4.N, R. 16.W, SB B. & M.

Castaic Junction Field, Los Angeles County.

The present condition of the well is as follows:

1. Total depth. 10,865'

2. Complete casing record, including plugs:
   10-3/4-inch 41.68#, grade B ST&C casing cemented at 785' with 500 sacks cement.
   7-inch 23, 26 and 29#, N-80, S-95 and P-110 cemented at 10,500' with 175 sacks cement.
   Approved WSO at 10,445' to 10,446' (squeezed)
   Open hole from 10,500 to 10,865' filled with sand.

3. ~~Last produced~~ Latest Test

(Date)	(Oil, B/D)	(Water, B/D)	(Gas)
8-22-69	130	2	79

The proposed work is as follows:

1. Clean out open hole from 10,500 to 10,710'.
2. Hang a 5-inch O.D. flush joint liner (slotted with 16 rows of 0.060-inch width slots, 2-inches in length on 6-inch centers) at 10,460 feet with bottom at 10,710'.
3. Run tubing and packer and return well to production.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
				ARG	ARG

P.O. Box 7033, Long Beach, 90807
(Address)

(213) 426-8844
(Telephone No.)

HUMBLE OIL & REFINING COMPANY
(Name of Operator)

By B. D. Holland, District Superintende

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

80053 8 68 10M ⓟ SPC

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
December 4, 1992

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 28, A.P.I. No. 037-16499, Section 19, T. 4N, R. 16W, SB B.&M., Castaic Junction field, Los Angeles County, dated June 24, 1992, received June 30, 1992, has been examined in conjunction with operations witnessed and records filed in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR _____
LSE & NO _____
MAP _____

	( )	( )	( )	( )	( )	( )
INTENTION						
NOTICE DATED						
P-REPORT NUMBER						
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE												
HISTORY												
SUMMARY												
IES/ELECTRIC LOG												
DIRECTIONAL SURV												
CORE/SWS DESCRIP												
OTHER												
RECORDS COMPLETE												

ENGINEERING CHECK

T-REPORTS _____
OPERATOR'S NAME _____
WELL DESIGNATION _____
LOC & ELEV _____
SIGNATURE _____
SURFACE INSPECTION _____
FINAL LETTER OK _____

CLERICAL CHECK

POSTED TO 121 _____ 170 MAILED _____ FINAL LETTER MAILED _____

RELEASED BOND _____

REMARKS: _____

DIVISION OF OIL AND GAS
RECEIVED

NOV 1 3 1992

VENTURA, CALIFORNIA

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Corp. Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. 28, Sec. 19, T 4N, R 16W SB B. & M.
A.P.I. No. 037-16499 Name Judy Bagwell (Person submitting report) Title Sr Staff Office As (President, Secretary or Agent)
Date November 4, 19 92

Signature Judy Bagwell

Environmental & Regulatory Affairs, P. O. Box 1600, Midland, TX 79702 (Address) 915/688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

10-01-92 Move in, rig up. Put out guylines. Rig up mud pump, choke, manifold and steel line to Baker tank. Changed well over to freshwater (350 bbls) into Baker tank. Rig up Coast Wireline. Ran in and set tubing plug at 86'. Rig out Coast, remove prod. tree, unland tubing. Ran in and rotated seals out of permatrieve packer. Nipple up and function test BOP. Rig up floor and tubing equipment. Rig up Coast Wireline. Ran in and retrieved tubing plug. Rig out Coast. Secure well. Shut down.

10-02-92 Open well up (no pressure). Started POOH with hydril tubing. Some tubing was short and unable to stand back on derrick. Ran tubing in hole. Haul in 2 trailers and start POOH, laying down 2-7/8 hydril tubing on trailers. Secure well. Shut down.

10-03-92
through
10-04-92 No well work.

10-05-92 Open well up (no pressure). Finished POOH, laying down 2-7/8 hydril tubing and gas mandrels on trailer. Haul out prod. string. Haul in work string. Pick up 20 joints 1-1/2 tubing. Started RIH, picking up 2-7/8 tbg and work string. Secure well. Shut down.

10-06-92 Open well up (no pressure). Finished RIH, picking up work string. Tag fill at 10672'. Rig up Guiberson and pump broke circulation. Started cleaning out from 10672' to 10687'. Stopped making hole, tubing kept plugging up. Circulate hole clean. Rig up Halliburton and test lines to 3500 psi. Mixed and pumped 80 sacks Class G cement with 40% silica flour, 75% CFR-3 and .5% HR7. Displaced w/58 bbls H_2O. Cement in place at 12:14 pm. Rig out Halliburton. Pull out 700' 2-7/8 tubing and backscuttle tubing clean. Secure well. Shut down.

10-07-92 Open well up (no pressure). RIH with tubing, tag cement at 10259', witnessed by Stephen Mulqueen, Division of Oil and Gas. Rig up pump and pressure test casing to 500 psi. Held for 15 minutes, okay. Changed well over to 9.8 ppg mud. Started POOH, laying down tubing on trailer. Secure well. Shut down.

10-08-92 Open well up (no pressure). Finished POOH, laying down tubing. Stood back 800' 2-7/8 N-80 tubing. Fill hole with 9.8 mud. Rig up MMI Wireline with pack-off lubricator. RIH with 10' gun. Locate gun at 800-810'. Shot 4, 1/2" SPF, lost gun and collar locator in hole. POOH. Contact F. Neese, Division of Oil & Gas, who gave permission to leave fire gun in hole ar proceed with operations. RIH with second 10' gun. Locate at 790-800', shot 4 1/2" SPF. POOH. Rig out MMI Wireline. RIH w/2-7/8 tubing to 813'. Fill hole with 9.8 ppg mud inside 7" and outside 10-3/4" casing. Rig up Halliburton and equalize 200' cement plug outside 10-3/4" and inside 7" casing with 87 sacks Class G cement. Rig out Halliburton. POOH with tubing. Rig up MMI Wireline and shoot 4 holes at 180'. POOH. Rig out MMI. Secure well. Shut down.

10-09-92 Open well up (no pressure). RIH with tubing, tag cement at 615'. S. Mulqueen, Division of Oil & Gas, waived witnessing TOC tag and pumping the surface plug from 180' to surface. POOH, laying down all but 180' tubing. Rig up Halliburton. Pumped surface plug out 10-3/4" and 7" casing from 180' to surface with 78 sacks Class G cement. Rig out Halliburton. POOH, laying down tubing. Remove floor and BOP. Rig out pump and tanks. Lay down rig. Clean location. Move off. Well is plugged and abandoned.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-218

REPORT ON OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
October 28, 1992

Your operations at well "Newhall Land & Farming Co." 28, API No. 037-16499, Sec. 19 T. 4N, R. 16W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 10-26-92. Stephen Mulqueen, representative of the supervisor, was present from 1400 to 1500. There were also present Dave Morris.

Present condition of well: 10 3/4" cem 804'; 7" cem 10645', perf 10470', cp 180' & cp 790'-810'; OPEN HOLE 10645'-10840'. Junk below 10246'+/-. TD 10840 Plugged w/cem 10668'-10259', 813'-615' & 180'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

SF:SM:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
Deputy Supervisor

OG109

SP T218

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator EXXON CORP. Well No. "Newhall Land & Farming" 28
API No. 037-16499 Sec. 19, T. 04N, R. 16W, SB B&M
Field CASTAIC JUNCTION, County LOS ANGELES. On 10-26-92
Mr./Ms. STEVE MULQUEEN, representative of the supervisor, was present from 1400 to
There were also present [illegible]

Casing record of well: 10¾" cem. 809'; 7" cem. 10645' perf [illegible] cf 180'& cf 790'-810'. OPEN HOLE 10645'-10840'. [illegible] TD 10840. PLUGGED w/ cem 10668'-10259' 813'-615' & 180'-5'.

The operations were performed for the purpose of ABANDONMENT

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ______' is approved.

Hole size: ___" fr. ___' to ___', ___" to ___' & ___" to ___'

	Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
	Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
A	10¾	40.5	0	809	[illegible]	[illegible] 813'	96 cf	—	615'	[illegible]	500#	790'-810'
B	7"	[illegible]	0	10645	[illegible]	[illegible] @ 180'	90 cf	5'	5'	[illegible]	500#	180'

SHOT FOUR ½" HOLES/FT 790'-810' & FOUR HOLES AT 180'

Casing/tubing recovered: ___" shot/cut at ___', ___', ___' pulled fr. ___';
___" shot/cut at ___', ___', ___' pulled fr. ___'.

Junk (in hole): 10246± TOP OF EXPANDED [illegible]

Hole fluid (bailed to) at ___'. Witnessed by ______

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
CLAY GEL 9.8#/g	10-7-92	393	TBG @ 10259	—	SURFACE	S. MULQUEEN

CLEANED OUT TO 10672'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
10/6	80 sx*	TBG @ 10668	—	REPORTED	10259'	10K#	10/7 1000	S. MULQUEEN
A' 10/	96 cf	TBG @ 813	—	"	615'	—	10/ —	REPORTED
B' 10/9	90 cf	TBG @ 180'	—	"	5'	VISUAL	10/26 1400	S. MULQUEEN

*PRESSURE TESTED TO 500 PSI FOR 15 MIN. ON PLUG AT 10259 & CASING 10-7-92
CLASS "G" w/ 40% SI FLOUR, PRESSURE TESTED TO 500 PSI FOR 15 MIN. HELD O.K.

OGD10 (10/90/GSR1/5M)

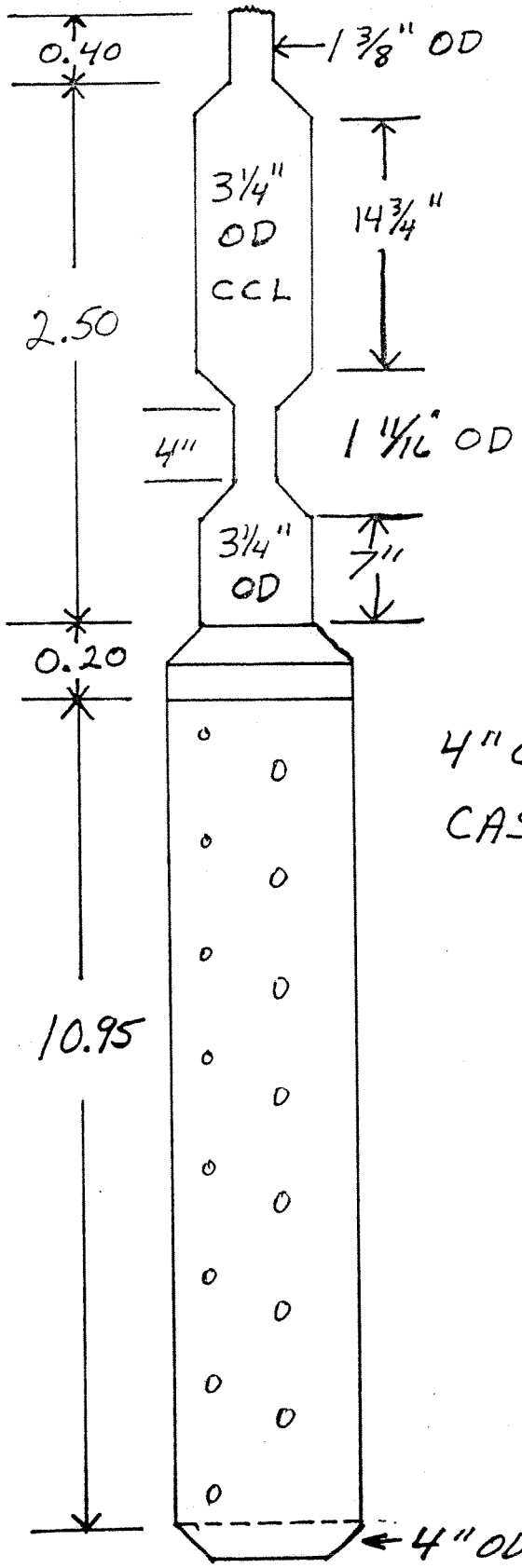
NL+F # 28 10-8-92

PICTURE OF FISH ONTOP OF BHP @

FISH IS A FIRED MMI HEAVY WALLED 4" CASING GUN THAT FELL TO BOTTOM WHEN THE GUN FIRED + THE BOTTOM OF THE ROPE SOCKET BROKE ~ PERFED 4-1/2" HOLES PER FOOT FROM 800 – 810' WITH GUN

FARIBA NEESE, VENTURA DOG, GAVE PERMISSION TO LEAVE FISH ON BOTTOM AND PROCEED WITH OPERATIONS AT 1330 HRS ON 10-8-92.

DMorris



DIVISION OF OIL AND GAS
RECEIVED
JUL 1 1 1993
VENTURA, CALIFORNIA

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-183
Field Code 126
Area Code 00
New Pool Code ---
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
July 20, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 28 A.P.I. No. 037-16499, Section 19, T. 4N, R. 16W, S.B. B.&M., Castaic Junction field, ------- area, 10-A pool, Los Angeles County, dated 6/24/92, received 6/30/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,695'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10,390' & 700'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Fields/Lewis
c/o to 10,687
OK to start cement

Blanket Bond
SF:tkc

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OGIII

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

12/6/00/05

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	✓	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #28 (Well designation), API No. 037 - 16499

Sec. 19, T. 4N, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19 ___.

The present condition of the well is:

1. Total depth 10,840'

2. Complete casing record, including plugs and perforations
   10-3/4" 41.87# conductor 0' - 804'
   7", 23#, 26#, & 29# casing 0' - 10,645'
   - WSO holes @ 10,470'
   9-7/8" open hole completion 10,645' - 10,840'

3. Last produced 1982 (Date) 11 (Oil, B/D) 100 (Water, B/D) 0.1 (Gas, Mcf/D)

   OR

4. Last injected ---- (Date) --- (Water, B/D) ---- (Gas, Mcf/D) ---- (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost productive zone:
   Top of 10 Sand: 10,600'
   Base of 10 Sand: 10,800'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 794'

The proposed work is as follows:

1. MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out to top of fill below the casing shoe at 10,645'.
3. Place class "G" cement plug (w/40% silica) from top of fill to 10,270'. D.O.G. to witness placement and tag.
4. Place 9.62 ppg mud from TOC to 800'.
5. Shoot 20'-4 spf strip shot at 800'. Squeeze class "G" cement plug (w/3% $CaCl_2$) from 800' to surface getting returns in casing/conductor annulus. D.O.G. to witness set of plug.
7. Cut off casing @ 5' and weld plate with well identifier.
8. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 225 W. Hillcrest Drive (Street)
Thousand Oaks, (City) CA (State) 91360 (Zip)
Telephone Number 805-494-2000

Exxon Company, USA (Name of Operator)
By R.W. Komke (Name-Printed)
R.W. Komke (Name-Signature) 6-24-92 (Date)
Type of Organization Corporation

NLF28ABD.DOG

DIVISION OF OIL AND GAS
OCT 6 1992
VENTURA, CALIFORNIA

EXXON COMPANY, U.S.A.

NL&F #28
ABANDONMENT PROCEDURE
June 31, 1992

KB is 13' AGL for casing and 12' AGL for tubing

OBJECTIVE AND STATUS: Permanently plug and abandon the well. NL&F #28 last produced in 1982 and has been shut-in since because of its high watercut.

SAFETY: Conduct a safety meeting to instruct all personnel on possible hazards in the area. At least 20 pounds of dry chemical is to be on location, as a minimum for fire fighting equipment. No smoking is to be allowed on location and all personnel are required to wear safety glasses, boots and hard hats.

MECHANICAL CONSIDERATIONS: See the "Before Workover" wellbore sketch for details.

ENGINEERING NOTES:

DAILY COSTS NEED TO BE ACTUAL, NOT ESTIMATED, AND ALL VENDORS WHO PROVIDE TOOLS AND/OR EQUIPMENT THAT WILL BE INSPECTED MUST NOTIFY AN EXXON ASSOCIATE IMMEDIATELY OF ANY AND ALL INSPECTION OR REPLACEMENT COSTS SINCE THESE COSTS CAN BE HIGH ENOUGH TO REQUIRE AFE ADJUSTMENTS

MORNING REPORTS SHOULD BE FAXED TO BOTH JEFF DENNY, ENGINEERING (494-2041) AND JACQUIE SAUNDERS, REGULATORY AFFAIRS (494-2373)

NOTE ON MORNING REPORTS WHENEVER DOG REPRESENTATIVES WITNESS OR WAIVE A PART OF THE ABANDONMENT * * * PHONE # FOR VENTURA DOG IS 654-4761

IF ANY PROBLEMS ARISE DURING THIS WORKOVER THAT REQUIRE AFE ADJUSTMENT OR D.O.G. NEGOTIATIONS, NOTIFY SUBSURFACE ENGINEER, JEFF DENNEY, AT (805) 494-2139, IMMEDIATELY.

PROCEDURE

1) Ensure that the DOG "Permit to Conduct Well Operations" (Abandonment) is on location prior to the commencement of any work.

2) Contact vendors to secure services 2-3 days before work begins. Monitor and record the casing pressure for at least 24 hours prior to moving the rig to location.

3) Have Oil Field Anchors (805-323-4669) install rig anchors prior to MIRU.

4) Make a sinker bar run to verify that the tubing is open and can be circulated through. There is a seating nipple located @ 10,405'. If tubing is plugged, clean out with coiled tubing unit before rig-up. Shoot fluid level.

5) MIRU and guy out a workover rig. Bleed off any pressure on the well (both casings and tubing). Load the well with lease water, if necessary, to kill the well.

6) NU an Exxon Class III 5M (DOG Class II 5M) BOP from Oil Field Rental with a hydraulic actuating system. Test the BOP to 300/3000 psi.

7) The present weight on the packer is 14,000#. Sting completely out of the packer. Circulate the hole to remove any gas that may be under the packer. POOH laying down tubing. Leave tubing out of the way of operations so it can be sold off the lease after the P&A is completed.

8) PU and RIH with a J-latch pulling tool and fishing string on the end of 349 joints of 2-7/8", 6.5#, P105 tubing to pull the OTIS Permatrieve packer @ 10,446'. The packer should release with 20,000# overpull. (This tubing string has a joint yield strength of 145,000# with a 1.33 safety factor and should weigh about 67,000# at this depth.) POOH and lay down packer and fishing string.

8) PU and RIH with a mule shoe on the end of a 2-7/8" N-80 workstring. If this workstring has been used on 5 or more jobs since last being tested, Hydro Test the tubing to 3500 psi as you RIH. Record string weight. Circulate well clean to the DOG recommended depth below the 7" casing shoe at 10,645'. Note the volume of oil recovered on the morning report. Notify engineering if any problems are encountered while cleaning out or if more than 1/2 day is spent without any progress. NOTIFY DOG TO WITNESS CLEANOUT DEPTH.

9) RU cementers and test lines to 250/3000 psi. Mix and pump the following slurry to spot a balanced plug from 10,840' (or highest DOG allowable depth) to 10,270' (TD to 200' above the WSO holes @ 10,470'). (This slurry is calculated with a 10% excess). NOTIFY DOG TO WITNESS PUMPING THIS PLUG.

Cement Type	Class G + 40% Silica Flour
Retarder	0.4% R-11
Friction Reducer	0.2% CD-32
Weight	15.7 ppg
Amount	200 cu.ft.
Cement	123 sks
~~Silica~~	~~66 cu.ft.~~
Yield	~~1.585~~ cf/sk
Water Required	6.54 gals/sk
TTT @ 230 deg F	3-1/2 hrs
Compressive Strengths @	230 deg BHST
8 hrs	1750 psi
24 hrs	4800 psi

10) Pull the workstring 500' above the calculated TOC and reverse out. Pull 3 stands and WOC overnight. Tag and test the TOC with the workstring and report on the morning report. NOTIFY DOG TO WITNESS TOP OF PLUG.

13) Close BOP and pressure casing to 500 psi to verify integrity before pumping mud. With OE of tubing at TOC, circulate 363 barrels of 9.62 ppg mud with a 10 min shear strength of at least 20# per 100 sq.ft. This should fill the casing from 10,270'-800'. NOTE: If the TOC is above the desired depth (10,270'), the volume of mud circulated must be reduced to insure that no mud is present in the casing higher than 800'. NOTIFY DOG TO WITNESS MUDDING THE WELL.

14) POOH to 800' laying down tubing. Circulate fresh water to surface. Continue POOH standing up.

15) RU a wireline lubricator and packoff and perforate the 7" casing with a 20', 4spf strip shot centered at 800'. POOH & RD wireline.

16) RIH with the workstring to 800' and attempt to establish circulation to surface up the 7" x 10-3/4" annulus. If unable to circulate, establish injection rates and pressures at 1, 2 and 3 BPM.

17) RU cementers and test lines to 250/3000. Pump enough of the following slurry to place a balanced plug from 800' to surface inside and outside the 7" casing:

Cement type	Class G + 3% CaCl2
Weight	15.7 ppg
Amount	380 sks
Yield	1.14 cf/sk
Water Requirement	4.96 gal/sk
TTT @ 80 deg F	4:45 hrs
Compressive Strengths	@ 80 deg BHST
8 hrs	155 psi
24 hrs	1523 psi

Slurry calculations include 10% excess. NOTE: **the DOG is to witness the spotting of the plug (record the DOG representative's names on the morning report).**

18) Cut off the casing at least 5' below the surface level. Weld on a cap of thickness equal to, or greater than the casing wall thickness (at least 0.4" thick). Weld the well identification number and date of abandonment on the plate. Take a picture of the capped well before covering it over to put in the well file.

19) Have Oil Field Anchors remove the rig anchors and install at next well site.

20) Remove surface equipment and flow lines back to the edge of the wellsite. Restore the site to its pre-drill condition. Complete removal of surface equipment and flow lines within 30 days of FRR. **CHECK WITH ENGINEER FOR PROPER TRACKING OF ABANDONMENT COSTS AFTER THE RIG HAS MOVED OFF. IF AT ANY POINT DURING THE SURFACE CLEANUP/FLOWLINE REMOVAL, THE COST EXCEEDS $10K, STOP WORK AND NOTIFY THE SUBSURFACE ENGINEER, JEFF DENNEY, AT (805) 494-2139, SO THAT A SEPARATE AFE CAN BE WRITTEN.** DOG requires all work be completed documented and submitted within 60 days of FRR.

SUBSURFACE ENGINEER 6/23/92

SUPERVISING ENGINEER 6/25/92

OPERATIONS SUPERINTENDENT 7-15-92

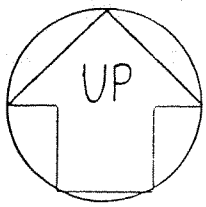
Castaic Junction Field

NL&F #28
Plug and Abandonment
6/23/92
JLD

Before Workover

K.B. is measured 13' AGL for casing & 12' AGL for tubing

DIVISION OF OIL AND GAS
RECEIVED
OCT 6 1992
VENTURA, CALIFORNIA



794'

BOFW @ 794'

16" hole to 804'

10 3/4", 41.87# casing @ 804' (cemented to surface)

353 jts 2 7/8" CS Hydril tubing
3 jts 2 7/8" EUE tubing
2 crossovers
9 gas lift mandrels
(run in on 1-15-82)

Gas Lift Mandrels

1/4"	port @	2464'
1/4"	port @	4293'
1/4"	port @	5664'
1/4"	port @	6801'
1/4"	port @	7714'
5/16"	port @	8396'
5/16"	port @	9069'
3/8"	port @	9666'
7/16"	port @	10,198'

Seating Nipple @ 10,405'
Otis Permatrieve Packer @ 10,446'
w/ 14,000# tension

WSO holes @ 10,470' (4 - 1/2" holes)

10 zone oil sand 10,600' - 10,800'

10,645'

9 7/8" hole to TD @ 10,840'

7" casing @ 10,645"

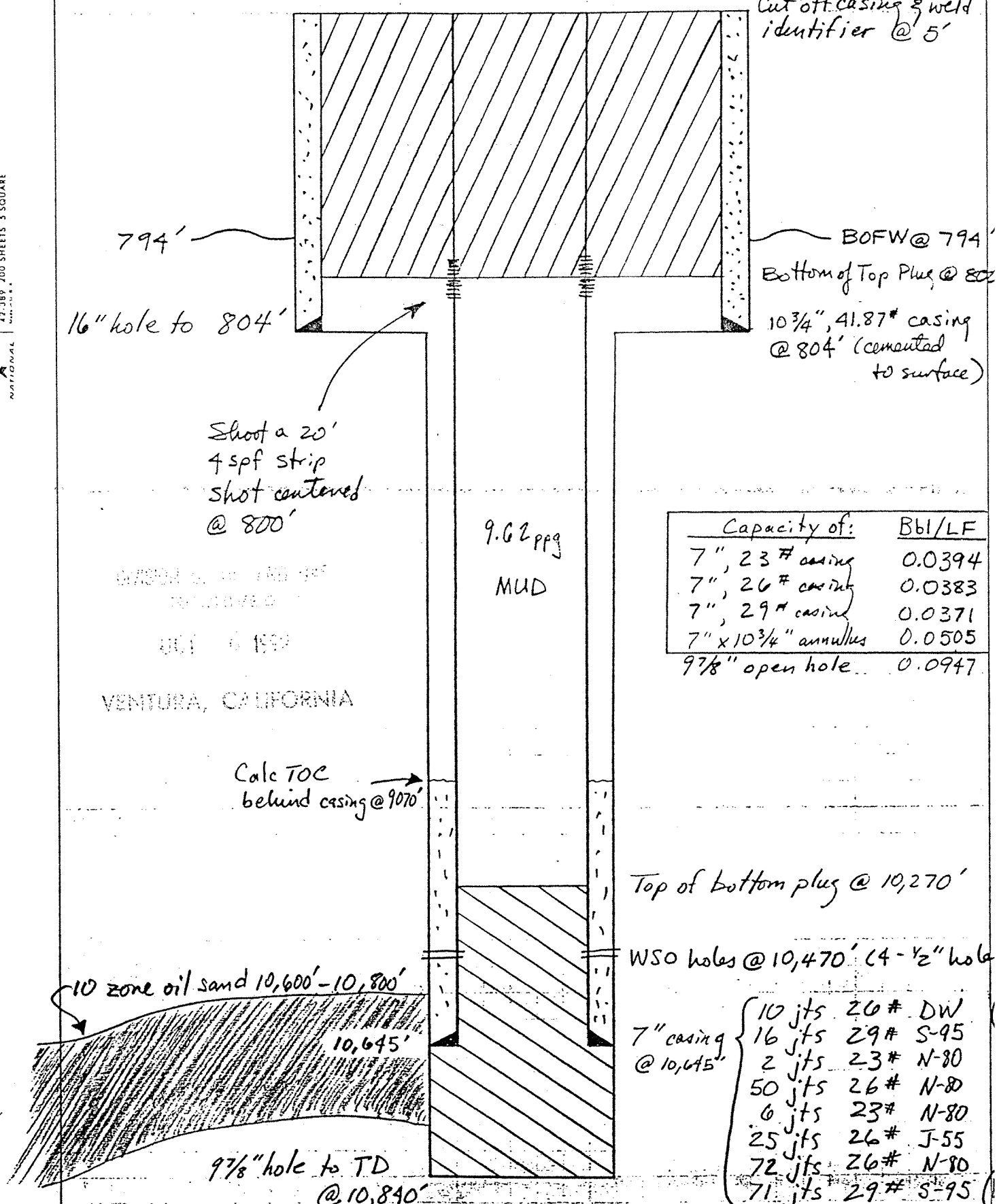
10 jts	26#	DW	(top
16 jts	29#	S-95	
2 jts	23#	N-80	
50 jts	26#	N-80	
.6 jts	23#	N-80	
25 jts	26#	J-55	
72 jts	26#	N-80	
71 jts	29#	S-95	(bottom

Castaic Junction Field

NL&F #28
Plug and Abandonment
6/23/92
JLD

After Workover

K.B. is measured 13' AGL for casing & 12' AGL for tubing



Capacity of:	Bbl/LF
7", 23# casing	0.0394
7", 26# casing	0.0383
7", 29# casing	0.0371
7" x 10 3/4" annulus	0.0505
9 7/8" open hole	0.0947

10 jts	26#	DW
16 jts	29#	S-95
2 jts	23#	N-80
50 jts	26#	N-80
6 jts	23#	N-80
25 jts	26#	J-55
72 jts	26#	N-80
71 jts	29#	S-95

42-381 50 SHEETS 5 SQUARE
42-382 100 SHEETS 5 SQUARE
42-389 200 SHEETS 5 SQUARE
NATIONAL

OCT 1992
VENTURA, CALIFORNIA

PROCESSED
10/82

TYPE	DATE										
06	01/82	06				31	0				
06	02/82	06				28	0				
06	03/82	06				31	0				
06	04/82	06				30	0				
06	05/82	06				31	0				
06	06/82	06				30	0				
06	07/82	06				31	0				
06	08/82	06				31	0	21.5	0000	0000	0.00
06	09/82	06	0		0	30	0	21.1	0000	0000	0.00
06	10/82	06	0		0	00	0	21.5	0000	0000	0.00
06	11/82	06	0		0	00	0	22.1	0000	0000	0.00
06	12/82	06	0		0	00	0	22.5	0000	0000	0.00

TOTAL

DISTRICT: 2 (1)	FIELD CODE: 126 (2)	FIELD: CASTAIC JUNCTION	AREA CODE: 00 (3)	AREA: ANY AREA

API WELL NO.: 03716499 (4)	LEASE NAME: NEWHALL LAND & FARMING CO. (5)	OPR WELL NO: 28 (6)	OPERATOR CODE: E3500 (9)	OPER STAT: A

OPERATOR NAME AND ADDRESS

EXXON CORP
ATTEN OIL & GAS ACCTNG
1800 AVENUE OF THE STARS
LOS ANGELES CA 90067

BASIN 0 (10)	REGION 0 (11)	LATITUDE LONGITUDE 00 00'00.0" 000 00'00.0" (12)	GENERAL LOCATION (13)

COUNTY CODE: 19 (14)	COUNTY NAME LOS ANGELES LOS ANGELES	CCS-ZONE 0 (15)	X-CORD 0000000E	Y-CORD 0000000N	UTM-ZONE 00 (16)	X-CORD 0000000E	Y-CORD 0000000N	SWRCB NO.: 00000 (17)

POOL CODE:05 '18)	COMPLETION DATE: 04/76 (19)	DEPTH 00000 (20)	X-CORD Y-CORD 00000-0 00000-0 (21)	REMARKS: 1- (22) 2- 3-

POOL NAME: 10-A

WELL TYPE	DATE	PROD/INJ STATUS	OIL/COND BBLS	WATER BBLS	PROD DAYS	GAS/PROD MCF	GRAV OIL	CASING PSI	TUBING PSI	BTU	M-O	WATER DISP	WATER/STEAM INJ-BBLS	INJ DAYS	GAS/AIR INJ-MCF	INJ PSI	SOURCE WATER	KIND WATER
OG	01/81	00	860	3419	31	4311	22.7	0000	0000	0000	7	5						
OG	02/81	00	725	2882	28	3635	22.7	0000	0000	0000	7	5						
OG	03/81	00	818	3252	31	3705	22.4	0000	0000	0000	7	5						
OG	04/81	00	210	835	07	1075	22.2	0000	0000	0000	7	5						
OG	05/81	00	610	2425	31	3256	21.7	0000	0000	0000	7	5						
OG	06/81	00	690	2743	30	2076	21.7	0000	0000	0000	7	5						
OG	07/81	00	878	3150	31	1446	21.8	0000	0000	0000	7	5						
OG	08/81	00	389	1371	16	275	21.8	0000	0000	0000	7	5						
OG	09/81	06	0	0	30	0	21.4	0000	0000	0000	7	5						
OG	10/81	06	0	0	27	0	21.7	0000	0000	0000	7	5						
OG	11/81	06	0	0	30	0	22.1	0000	0000	0000	7	5						
OG	12/81	06	0	0	00	0	22.2	0000	0000	0000	7	5						
TOTAL			5180	20077		19779												

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
SANTA PAULA, CALIF.

History of Oil or Gas Well

Operator Exxon Corporation Field or County Castaic Junction
Well "Newhall Land & Farming Co." 28, Sec. 19, T 4N, R 16W, S.B.B. & M
A.P.I. No. 037-16499 Name D. Daly (Person submitting report) Title R&R Acctg.Sect He (President, Secretary or Agent)
Date 7/17/81, 19

Signature Don Daly

1800 Ave. of the Stars, Los Angeles, Ca 90067 (Address) (213) 552-5757 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
12-19-80	MIRU. Rigged up pump and tank; tested same to 750#; removed flowline and gas lif gauges. SIFN.
12-20-80	Serviced rig and equipment. Bled well down. Rigged up pump, killed well with 450 bbls of 9.1# polymer mud. Installed lifting nipple, unflanged head, removed same. Laid hydraulic lines, installed and tested Class II BOPE. Tbg stuc worked tubing at 130000#, unable to work free. SIFN.
12-21-80	Bled well down; rigged up for free point and acid cut; free point tool would not work in polymer mud. Ran collar locator and cutting tool. Made acid cut at 10402'. POH, laid down tbg and gas valves. Filled hole with 38 bbls polymer mud. SIFN.
12-22-80	Bled well down. POH with 20 doubles. Made up overshot, bumper sub and jars. RIH, measuring in with workstring. Engaged fish at 10402', rotated over fish. Jarred fish loose at 120000#, pulled up 240'. SIFN.
12-23-80	Measured tbg out of hole, recovered all of the fish. Made up packer plucker, RIH to 300' above packer. Filled hole with drilling fluid. Shut in well.
12-24-80 to 12-25-80	No well work.
12-26-80	Opened tubing and casing - no pressure. Installed stripper, RIH and tagged top of packer at 10450'; latched on to same. Established circ, milled to 10451', packer fell free. Circ well clean, POH. Packer dragged 10000# over first 30'. Broke down tools, retrieved packer mandrel; slips left in hole. Made up packer plucker. RIH with junk catcher and jars. Ran in to 10450'. SIFN.
12-27-80	Opened tubing and casing - no pressure. Lowered mill and tagged fill at 10590'. Rigged up power swivel, established circ. Rotated and circ to top of packer at 10600'; milled 18" on top of packer, pushed packer down hole with 8000#. Pulled packer up with last end on packer plucker. POH with tubing; unable to recover packer - safety nut on retrieving tool was backed off. Reset same, RIH with retrieving tool to 10450'. SIFN.

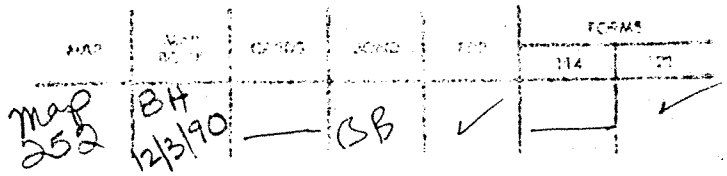
RESOURCES AGENCY OF CALIFORI
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California
November 30, 1990

L. R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Your report of abandonment of well "Newhall Land & Farming Co." 29, A.P.I. No. 037-06300, Section 19, T. 4N, R. 16W, SB B.&M., Castaic Junction field, Los Angeles County, dated 11-27-90, received 11-29-90, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.



cc: Conservation Committee
Update
bb

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear, Deputy Supervisor

OG159

OPERATOR _____

LSE & NO _____

MAP _____

	( )	( )	( )	( )	( )	( )
INTENTION		add				
NOTICE DATED		8-29-90				
P-REPORT NUMBER		2470 - 338				
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE			8-30-90									
HISTORY												
SUMMARY												
IES/ELECTRIC LOG												
DIRECTIONAL SURV												
CORE/SWS DESCRIP												
OTHER												
RECORDS COMPLETE												

ENGINEERING CHECK

T-REPORTS _____

OPERATOR'S NAME _____

WELL DESIGNATION _____

LOC & ELEV _____

SIGNATURE _____

SURFACE INSPECTION OK 11-7-90 SM

FINAL LETTER OK _____

CLERICAL CHECK

POSTED TO 121 _____ 170 MAILED _____ FINAL LETTER MAILED _____

RELEASED BOND _____

REMARKS: Removed for cap 10/90

ORIGINAL

SUBMIT IN DUPLICATE

DIVISION OF O[illegible]

RESOURCES AGENCY OF CALIFORNIA

DEPARTMENT OF CONSERVATION

RECEIVED

NOV 29 1990

DIVISION OF OIL AND GAS

VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Company, U. S. A. Field Castaic County Ventura

Well Newhall Land & Farming Co. 29, Sec. 19, T 4N, R 16W S.B. B. & M.

A.P.I. No. 037-06300 Name Scott S. King (Person submitting report) Title Supervisor (President, Secretary or Agent)

Date 11/27, 1990

Signature JRS King

P. O. Box 5025, Thousand Oaks, California 91359 (Address) 805-494-2283 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

9/20/90 Moved in and rigged up. Bled down well, no pressure. Removed production equipment, found gravel in production tree. Removed production tree and flowlines. Installed 5000# TIW valve. Rigged up wireline. RIH with 1-1/2 bars and sample bailer. Tagged fluid level at 3200', heavy oil and wax. Continued in hole to 5230', tools stopped. POOH. RIH with 2-1/4 with tubing plug and set at 100'. POOH. Installed Class III BOP. Tested BOP to 200 psi on pipe and blind rams, valves OK. Tested BOP to 3000 psi for 10 minutes, OK. Rigged up wireline. RIH and released tubing plug, would not equalize. Unable to pull out of hole. RIH to 400' and tried pulling out of hole, attempt failed. Closed in well.

9/21/90 POOH with back pressure valve. Rigged down wireline. Rigged up suction hose from Baker tank to pump. Hooked up pump hoses to well. Pumped 158 bbls of 8.4 ppg water down casing. Installed 2" 15cc gate valves on well. Hooked up blow down line to Baker tank. Unlanded tubing, broke out donut. Worked tubing with 126,000# tension. Unable to loosen packer. Hooked up to pump down tubing. Pressured tubing to 1000 psi, pressure held. Bled off tubing. 30,000# stretch chart showed tubing stuck at 9600'. Continued working on stuck packer. Filled casing with 8.4 ppg lease water. Secured well.

9/22/90 through 9/23/90 No well work.

9/24/90 Bled down well. Worked over stuck tubing, no luck. Rigged up Dia-log. Made up 1-5/8" free point. RIH very slow (heavy oil). Free point on tubing at 5290',

80% free. Tagged plug at 5290'. POOH. Made up 2-1/8" chemical cutter. RIH and located collar at 5095'. Cut tubing at 5090', 5' from collar. POOH. Rigged out Dia-log. POOH with 3 joints of tubing. Closed in well. NOT Circulated 25 bbls of oil from well.

9/25/90 Bled down well. POOH measuring 2-7/8" tubing. Laid down tubing and cut off joint. Made up 5-1/2" x 2-7/8" slips overshot, 4 drill collars and jars. RIH and latched onto fish at 5081'. Jarring on fish with 90,000# tension. Closed in well.

9/26/90 Opened well. Continued working stuck tubing with jars to 120,000# tension. Unable to latch onto fish. Closed in well.

9/27/90 Opened well. Rigged up coil tubing. Pressured well to 1000 psi, OK. RIH and tagged at 4879'. Attempted to work through by reverse circulation, high and low pump pressure, no luck. Set down with 5000# pressure, still no luck. POOH. Rigged out coil tubing. Coil tubing bent, small marks on side and bottom. Rigged to pull 2-7/8" tubing. Released fishing tools. POOH. Closed in well.

9/28/90 Opened well. RIH with 2-7/8" tubing and fishing tools. Tagged fish, spaced out, latched onto fish. Pulled with 6000# tension over string weight. Rigg up coil tubing. RIH with 1-1/2" coil tubing and tagged down at 5015'. Unable to work through (worked 4 hrs). POOH. Rigged out coil tubing. Closed in well.

9/29/90
through
9/30/90 No well work.

10/1/90 Opened well. Unlanded tubing. Released overshot. POOH and laid down 10 joints of tubing off bottom broach, no marks inside of collars. Made up fishing tools. Picked up 2-7/8" PH-6 Hydril tubing, 10 joints on bottom broach and measured out (77 joints out of derrick). Latched onto fish at 5081'. Closed in well.

10/2/90 Tested BOP and all tubing to 2000 psi, OK. RIH with coil tubing in slick pipe and through tools. Tagged fill at 5233'. RIH to 7200', coil tubing dragging. Worked coil tubing from 7200' to 7420', a lot of sand and shale with some gas. Continued in hole with coil tubing, rough spot at 8900'. Sand, shale, some gas and 30 bbls of oil. Called in vacuum truck. RIH with coil tubing to 960[illegible]

more sand, shale, gas and 55 bbls of oil. RIH with coil tubing through packer 20' into the 5-1/2" liner, to 10,563' (4 hrs). Worked last 23' out of packer in 30 minutes. Pulled up to packer and circulated 1 hour. POOH with coil tubing. Closed in well.

10/3/90 Opened well. Continued pulling out of hole with coil tubing. Rigged for tubing. Worked packer free (2 hrs). POOH and laid down 10 joints of PH-6 Hydril and fishing tools. Continued pulling out of hole and laid down 164 joints of tubing, gas valves and 7" Guiberson packer. RIH with 10 joints of kill string. Closed in well.

10/4/90 POOH with kill string. RIH with drill collars. POOH and laid down all fishing tools. Measured tubing. RIH for wash out. RIH with 172' of tubing. Rigged up pump. Reverse circulate well at 10,566'. Circulated well down to 10,642'; stopped (very sticky). Circulated bottoms up. Pulled up to 10,566'. Rigged up BJ and tested lines to 200 psi and 2000 psi, OK. Pumped 55 bbls of fresh water ahead. Mixed and pumped 46 ft^3, 16 ppg Class G cement with 0.3% R-3 retardant. Displaced with 11 ft^3 of fresh water and 327 ft^3 of lease water. Pulled up 310'. Reversed out 60 bbls of lease water. Pulled up 620'. Rigged up BJ cementers. Pumped 2-1/2 bbls of fresh water ahead at 400 psi. Closed in well.

10/5/90 Opened well. RIH with 2-7/8" tubing and tagged top of cement at 10,433'. Pulled up 30' and circulated well. Pumped 364 bbls of 9.8 ppg mud down well. Pulled and laid down 84 joints of tubing, tail at 7943'. Circulated well. Rigged up BJ and tested lines to 200 psi and 2000 psi, OK. Pumped 10 bbls of lease water ahead. Mixed and pumped 27 ft^3, 16 ppg Class G cement. Pumped 2 bbls of fresh water behind. Displaced with 44 bbls of 9.8 ppg mud. Rigged out BJ. Pulled up 310'. Reverse circulated 45 bbls in 20 minutes. Pulled up 620'. Closed in well.

10/6/90
through
10/7/90 No well work.

10/8/90 Opened well. RIH and tagged top of cement at 7924'. POOH and laid down 233 joints of 2-7/8" tubing. Filled well with 9.8 ppg mud. RIH with cavity shot, made shot at 710'. POOH. RIH with 2-7/8" tubing open ended to 775'. Circulated down 7" casing, up 10-3/4" casing. Rigged up BJ. Tested lines to

200 psi and 2000 psi, OK. Pumped 13 ft^3 of fresh water ahead. Mixed and pumped 126 ft^3 (110 sacks) of Class G cement with 3% $CaCl_2$. Displaced with 19 ft^3 of fresh water. POOH with 25 joints of 2-7/8" tubing. Closed in well.

10/9/90 Opened well. RIH and tagged top of cement plug at 479'. POOH and laid down all tubing. Rigged up Tiger wireline. RIH and shot 4 1/2" holes at 100'. POOH. Rigged up BJ. Circulated around 7" and 10-3/4" casing, pressure to 2000 psi. RIH with 3 joints of 2-7/8" tubing. Rigged up BJ. Mixed and pumped 22 ft^3 of Class G cement. Pumped until returns to surface. Rigged out BJ. POOH and laid down 3 joints of tubing. Removed and cleaned BOP. Removed working floor. Cleaned location. Rigged down and moved off.

NOTE: Bottom plug: 10,642' to 10,433' (46 ft^3 of cement). Casing hole plug: 7943' to 7924' (27 ft^3 of cement). Water zone with cavity: 775' to 479' (126 ft^3 of cement). Top plug: 105' to surface (41 ft^3 of cement).

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T290- 309

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
October 22, 1990

Your operations at well "Newhall Land & Farming Co." 29, API No. 037-06300 Sec. 19, T. 4N, R. 16W, S.B.B.&M. Castaic Juntion Field, in Los Angeles County, were witnessed on 10/16/90. Steve Mulqueen, representative o the supervisor, was present from 0800 to 0900. There were als present Chris Ballard & Ken Kennedy

Present condition of well: 10 3/4" cem 788'; 7" cem 10625', perf 10568' WSO cp 7935', perf 100', cav shot 710', holes 7934'-7939' (cem off), 5 1/2" ld 10573'-10866', perfs 10579'-10863'. TD 10870'. Plugged w/ce 10566'-10433', 7943'-7924', 775'-479' & 30'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

ljg

SURFACE INSPECTION OK 11-7-90 S. MULQUEEN

M.G. MEFFERD, State Oil and Gas ~~Supervisor~~

By Patrick J. Kinnear
Deputy Supervisor

OG109

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

[illegible] 304

Operator [illegible] Well No. [illegible] 29
API No. 037-06300 Sec. 19, T. 4N, R. 16W, SB B&M
Field [illegible], County LA. On 10-16-90
Mr. STEVE MULQUEEN, representative of the supervisor was present from 0900 to [illegible]
There were also present [illegible]

Casing record of well: [illegible] cem 788' 7" cem 10625' perf 10568' WSO, [illegible] 7935' perf 100' [illegible] 710' HOLES 7934'-7939' (cem [illegible]), 5½" [illegible] 10573'-10868' perfs 10579'-10863'. TD 10870. Plugged w/

The operations were performed for the purpose of [illegible] cem 10566'-10433' 7943'-7924' 775'-479' & 30'-5'.

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ______' is approved.

Hole size: ____" fr. ____' to ____', ____" to ____' & ____" to ____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

[illegible]

Casing/tubing recovered: 7" shot/~~cut~~ at 710', 100', ____' pulled fr. ____';
____" shot/cut at ____', ____', ____' pulled fr. ____'.

Junk (in hole): ____

Hole fluid (bailed to) at ____'. Witnessed by ____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
7[illegible] -	[illegible]	4[illegible]	✓			[illegible]
41 [illegible]						

[illegible]

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
10/4	46 cf	[illegible]	-	[illegible]	10433'	10,000#	10/5 0900	[illegible]
-	27 CF	TBG @ 7943	—	"	7924	[illegible]	10/9	
10/8	126 cF	TBG @ 775'	—	"	479	[illegible]	10/9 @ 1000	[illegible]
10/15	10 cf	TBG @ 30'	—	"	5'	VISUAL	10/16 0800	[illegible]

Collapsed 10[illegible], [illegible] 7935
C/O to 10[illegible]

OGD 10 (10/85/DWRR/5M)

MEMORANDUM OF TELEPHONE OR PERSONAL CONVERSATION

VENTURA, Calif.

9 · 24 1990

Operator EXXON CORP. Well No. "[illegible] Land & Farming" 29

Field CASTAIC JUNCTION Sec. 19 T. 4N R. 16W SB B&M

personal
A telephone conversation was held, concerning above well, with Mr. JESS SOINE

for above operator on 9 - 24 1990 at ____ M.

Details of the conversation were as follows:

SPENT 3 DAY ATTEMPTING TO PULL [illegible].
[illegible] 5530, TO 10,800±, FAILED [illegible]
[illegible] WANTS TO CUT 9⅝" @ 5000, CIRCULATE,
SPOT @ 1080 + [illegible] w/ CEMENT [illegible]
DEPTH. HE WILL CALL + TALK w/ STEVE [illegible]
TO FINALIZE, BEFORE PROCEEDING WITH [illegible]

(Signed) Stephen P. [illegible]

Title ____

OG136 (11-74-GSR1-5M) (see reverse side for proposed well operations)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P290- 338
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
September 6, 1990

Your proposal to abandon well "Newhall Land and Farming Co." 29, A.P.I. No. 037-06300, Section 19, T. 4 N., R. 16W, S.B. B.&M., Castaic Junction field, ------ area, 10-A pool, Los Angeles County, dated 8/29/90, received 8/30/90, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10866'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq. ft.
5. The well shall be plugged with cement from 7935' to 7835'.
6. The 7" casing and all annuli shall be plugged with cement from 30' to the surface.
7. This office shall be consulted before deviating from the proposed abandonment program.
8. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10468', 7835' and 610'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:ljg

Engineer Steve Fields

Phone (805) 654-4761

M.G. MEFFERD, State Oil and Gas Supervisor

By for Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
AUG 30 1990
VENTURA, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
		✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Newhall Land & Farming #29, API No. 4037063000 #4

Sec. 19, T. 4N, R. 16W, SB B. & M., Lyon-Sunset Field, Los Angeles County.

commencing work on _____, 19____

The present condition of the well is:

1. Total depth: see attached page

2. Complete casing record, including plugs and perforations:

see attached page

3. Last produced 4/11 39 bbls 46 Mcf
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)

or

4. Last injected _____
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 710

The proposed work is as follows:

see attached page

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Dr.
(Street)
Thousand Oaks, CA 91360
(City) (State) (Zip)

Telephone Number (805) 494-2419
(Area Code) (Number)

Exxon Company, U.S.A.
(Name of Operator)

By _____ 8/29/90
(Signature) (Date)

Type of Organization Corporation
(Corporation, Partnership, Individual, etc.)

OG108 (8-75—CSRI—15M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

November 8, 1995

Exxon Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 30, A.P.I. No. 037-16500, Section 19, T. 4N, R. 16W, S.B. B.& M., Castaic Junction field, Los Angeles County, dated 10-24-95, received 11-03-95, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

William F. Guerard, Jr
State Oil and Gas Supervisor

svl

By
Patrick J. Kinnear
Deputy Supervisor

Modified OG159 (4/94)

12R/00/05

10-A

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

Notice of Intention to Abandon Well
File in Duplicate

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	✓	✓

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well NEWHALL LAND & FARMING CO. 30, API No. 0403716500,

Sec. 19, T 4N, R 16W, S.E., B. & M., CASTAIC JUNCTION Field, LOS ANGELES County.

commencing work on 05/04, 1995.

The present condition of the well is:

1. Total depth 10570

2. Complete casing record, including plugs and perforations (present hole)

10 3/4 " 11.8# @ 0 ' - 798' (SURFACE)
7" 23-29# N-80 @ 0' - 10858'

3. Last produced 01/01/1995 (Date) 33.9 (Oil, B D) (Gas, Mcf D) 53 (Water, B D)

or

4. Last injected _____ (Date) (Water, B D) (Gas, Mcf D) (Surface pressure)

Additional data for dry hole (show depths):

5. Oil or gas shows
ZONE #10 10430

6. Stratigraphic markers

7. Formation and age at total depth

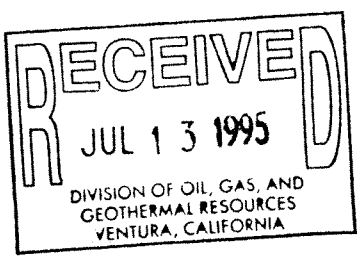
8. Base of fresh water sands 795'

9. Is this a critical well according to the definition on the reverse side of this form? ☐ Yes ☒ No

The proposed work is as follows:

1. MIRU. INSTALL AND TEST A DOG CLASS II BOP. CLEAN OUT THE 7" CASING TO BPTD @ 10570'
2. PLACE A CLASS 'G' NEAT CEMT PLUG FROM 10325'- 10570' W/53 SX OF CMT.
3. CIRCULATE HOLE WITH 9.7 PPG MUD. / 72 LBS CU FT (LEAVING MUD BETWEEN CMT PLUGS)
4. PLACE A CLASS 'G' NEAT CMT FROM 7000'- 7100' W/21 SX CMT.
5. RIG UP PERFORATORS AND PERFORATE A 10' INTERVAL W/4 SPF @ 3890' - 3900'
6. PLACE A CLASS 'G' NEAT CEMENT PLUG FROM 3800' TO 3900' W/ 40 SX OF CMT.
7. RIG UP PERFORATORS AND PERFORATE A 20' INTERVAL W/4 SPF @ 775 - 795'
8. PLACE A CLASS 'G' NEAT CMT PLUG FORM SURFACE TO 795' W/ 394 SX OF CMT.
9. CUT OFF CASING @ 5' AND WELD PLATE WITH WELL IDENTIFIER AND CLEAN LOCATION, DOG TO INSPECT

PLEASE CALL RESERVORI ENGINEERING, JIM SHIRLEY @ 915 688-6698 WITH ANY QUESTIONS REGARDING THIS PROCEDURE



It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address ATTN: REGULATORY AFFAIRS ML#14 (Street)
P. O. BOX 1600
MIDLAND, TX 79702
(City) (State) (Zip)

Telephone Number (915) 688-6166 (Number)

EXXON CORP. (Name of Operator)

By Sharon B. Timlin (Print Name)

Sharon B Timlin (Signature) 07/10/95 (Date)

OPERATOR Exxon
WELL NO. "NIF" 3D
MAP

A.P.I. 037_16500
SECTION 19, T. 4 N, R. 16

INTENTION	Abandon					
NOTICE DATED	7-10-95					
P-REPORT NUMBER	P695-170					
CHECKED BY/DATE						
MAP LETTER DATED	8/11/95					
SYMBOL	←					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	7-13-95											
HISTORY	[illegible]											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	5-2-96 MH					
DRILL CARD						
RECORD'S COMPLETE	FMN 11/3/95					

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

RECEIVED
NOV 3 1995
DIVISION OF OIL, GAS & GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 30 , Sec. 19 , T. 4N , R. 16W , S.B. B. & M.

A.P.I. No. 0403716500 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistar (President, Secretary or Agent)

Date 10/24 , 19 95

Signature

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilli or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amou of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

10/09/95
MIRU. GUY RIG OUT FULLY. RIG FOR RODS. WORK PUMP LOOSE. RIG BILLS HOT OIL SERVICE. PUMP 60 BBL HOT OIL DOWN TUB @ 1000#. RIG OUT HOT OILER. BLEED CSG TO SLOP TANK. CLOSE IN WELL, RIG UP PUMP.

10/10/95
CHECK WELL (NO PRESSURE). CIRCULATE 320 BBL LEASE WATER. RIG TO PULL RODS. POOH LAY DOWN ALL RODS. CLOSE IN WELL.

10/11/95
OPEN WELL. TO PSI, PUMP 20 BBL L/W DOWN TBG @ 20 BBL DOWN CSG. FILL OUT ENTRY PERMIT. NIPPLE DOWN PROD TREE. NIPPLE UP CLASS II BOP. RIG UP BOE. FUNCTION TEST. UNLAND TBG RELEASE ANCHOR. RIG UP WORKFLOOR & TBG EQUIPMENT. MEASURE OUT OF HOLE WITH 2.875 INCH PROD TBG. CIW.

10/12/95
OPEN WELL, NO PSI. MAKE UP STC. RIH WITH 2.875 INCH N-80 TBG. MEASURE & PICK UP 69 JTS OF WORKSTRING. TAG FILL @ 10555. REVERSE CIRCULATE WELL. TOOK 50 BBL LEASE WATER TO FILL WELL. CLOSE IN WELL.

10/13/95
RIG UP CEMENTERS. OPEN WELL, NO PSI. TEST LINES 300# LOW, 3000# HIGH. PUMP 5 BBL F/W AHEAD. MIX AND PUMP 88 CU FT, 77 SX, CLASS G CEMENT. DISPLACE WITH 59.5 BBL LEASE WATER. PULL 10+0 TO 9931. PUMP 11 BBL DOWN TBG. PULL 10+0. CLOSE IN WELL.

10/16/95
OPEN WELL, NO PSI. RIH TAG CEMENT @ 10276 FT. TEST CSG FROM 10276 TO SURFACE TO 500# FOR 5 MIN, OK. RIG UP FCI CEMENTERS. MIX AND PUMP 124 BBL 9.7 PPG P&A MUD. DISPLACE WITH 41.5 BBL L/W. PULL AND LAY DOWN 115 JTS TBG. REVERSE CIRC. CLOSE IN WELL. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEPHEN MULQUEEN, WITNESSED & APPROVED TAG @ 10276.

10/17/95
OPEN WELL, NO PSI. RIG UP FCI, TEST LINES 300# LOW, 300# HIGH. MIX AND PUMP 22 CU FT, 15 SX CLASS G CEMENT WITH 4% GEL. WITH TBG TAIL @ 7025 FT, DISPLACE WITH 41 BBL L/W. PULL AND LAY DOWN 5 JTS. REVERSE CIRCULATE. RIG UP FCI, MIX AND PUMP 122 BBL PPG P&A MUD FROM 6869 TO 3900 FT. POOH LAY DOWN 94 JTS OF 2.875 INCH TBG. RIG UP KFE. RIH SHOOT HOLES FROM 3890 TO 3900 FT. POOH. RIH WITH TBG TAIL @ 3899 FT, RIG UP FCI. TEST LINES. MIX AND PUMP 49 CU FT, 33 SX, CLASS G CEMENT WITH 4% GEL FROM 3899 TO 3679. DISPLACE @ 300# 22 BBL LEASE WATER. PULL 10+0 REVERSE CIRC. DOWN SQUEEZE WITH RIG PUMP 4 BBL @ 750#. CLOSE IN WELL EST TOC 3780.

10/18/95
RDMO. OPEN WELL, NO PSI. RIH, TAG CEMENT @ 3713 FT. RIG UP FCI. MIX & PUMP 118 BBL 9.7 PPG P&A MUD FROM 2713 TO 793 FT. POOH, LAY DOWN 98

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

RECEIV
NOV 3 19
DIVISION OF OIL, GAS
GEOTHERMAL RESOU
VENTURA, CALIFORI

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 30, Sec. 19, T 4N, R 16W, S.B. B. & M

A.P.I. No. 0403716500 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assista (President, Secretary or Agent)

Date 10/24, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrill or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amou of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

WELL RECORD CONTINUED: PG 2 OF 2

10/18/95
JTS 2.875 INCH TBG. STAND BACK 3+0. RIG UP KFE WIRELINE. SHOOT 80 HOLES FROM 795 TO 775 FT. RIH W/3+0. RIG UP FCI. TEST LINES, 100# LOW & 1000# HIGH. MIX AND PUMP 403 CU FT, 207 SX, CLASS G CEMENT DOWN 2.875 INCH TBG, UP 7 & 10.75 INCH CSG (TBG TAIL 799 FT). POOH, LAY DOWN 25 JTS. TOP FILL CSG. CLEAN TBG, WORKFLOOR, BOPS. LAY DOWN RIG. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEPHEN MULQUEEN, WITNESSED AND APPROVED TAG @ 3713 AND SURFACE PLUG FROM 799 - 0 WITH 270 SX CEMENT.

WELL IS PLUGGED TO SURFACE.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T295-177

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
October 24, 1995

Your operations at well "Newhall Land & Farming Co." 30, API No. 037-16500, Sec. 19, T. 4N, R. 16W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 10-18-95. Steve Mulqueen, representative of the supervisor, was present from 1400 to 1600. There were also present Ken Kennedy

Present condition of well: 10 3/4" cem 798'; 7" cem 10,858', perf 10,425' WSO, cp 775' & 3890', perfs 10,457'-10,562'. Junk below 10,580'. TD 11,074'. Plugged w/cem 11,074'-10,570', 10,555'-10,276', 7025'-6925'+, 3899'-3713' & 799'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By

Patrick J. Kinnear
Deputy Supervisor

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURC

T 295-177

CEMENTING/PLUGGING MEMO

Operator EXXON CORP. Well No. "N.L.& F" 30
API No. 05[illegible]16500 Sec. 19, T. 4N, R. 16W, SB B&M
Field CASTAIC JUNCTION, County LOS ANGELES. On 10-18-95,
Mr. / Ms. STEVE MULQUEEN, representative of the supervisor, was present from 1400 to 1600.
There were also present KEN KENNEDY
Casing record of well: 10 3/4" cem 798'; 7" cem 10858 perf 10435' WSO, cp 775 & 3890' perfs 10457' - 10562'. Junk below 10580' TD 11074'. Plugged w/ cem 11074' - 10570, 10555' - 10276', 7025' - 6925' ±, 3899' - 3713', 799' - 5'.
The operations were performed for the purpose of ABANDONMENT

☑ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' are approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
					TBG @ 3890	40 cf	3890'		4 BBL	750#	3890'-3900'

Casing/tubing recovered: 7 " shot/cut at 3890' TO 3900'; _____' pulled fr. _____';
7 " shot/cut at 775' TO 795'; _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	bbls.	Displaced	Poured	Fill	Engr.
9.7 #/g CLAY GEL	10-16-95	124	TBG @ 10276'	—	7424'	SPM
"	10-16-95	122	TBG @ 6569	—	3900'	"

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
10-13	88 cf	TBG @ 10555'	—	REQUIRED	10276'	10K#	10/16 0800	SPM
"	22 cf	" 7025'	—	"	6925' ±	"		
10-18	49 cf	" 3899	—	"	3713'	"	10/18 0900	SPM
10-18	402 cf	" 799		SPM	5'	[illegible]	10/18 1400	SPM

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P295-170

PERMIT TO CONDUCT WELL OPERATIONS

126 (field code)
00 (area code)
-- (new pool code)
05 (old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
July 17, 1995

Your proposal to abandon well "Newhall Land & Farming Co." 30, A.P.I. No. 037-16500, Section 19, T. 4N, R. 16W, S.B. B.&M., Castaic Junction field, ---------- area, 10-A pool, Los Angeles County, dated 7/10/95, received 7/13/95, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOGGR Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,570'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plugs at 10,325', 7,000' and 3,800'.
   b. To witness the mudding of the well.
   d. To witness the placing of cement inside the 7" casing and all annuli.
   D. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By

Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

FORM 105

11

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

037-16500

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JAN 14 1954
LOS ANGELES, CALIFORNIA

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

Los Angeles, Calif. January 12, 1954

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. "Newhall Land & Farming Company" No. 30 / Sec. 19, T. 4 N., R. 16 W., S.B. B. & M., Castaic Junction Field, Los Angeles County.

Legal description of lease: See Attached Plat
(Attach map or plat to scale)

Location of Well: 3433 feet south (Direction) ~~property~~ line and 15,458 feet east (Direction) at right angles to said line from ~~property~~ corner

Corner 11, Rancho San Francisco, Los Angeles County, California

Elevation of ground above sea level: To Be Submitted Later 1238' feet datum.

All depth measurements taken from top of Kelly Bushing which is 12 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
10-3/4"	41.85	Gr B	0	800	Cemented to surface
7	23, 26 29, 32	N-80	0	10,900	Cemented 10,900 to 9,500'

Intended zone or zones of completion: Zone 10 - 10,700' to 10,900'

MAP	MAP BOOK	CARDS	BOND	FORMS 111	FORMS 121

1-15-54 It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address 612 South Flower Street

Humble Oil & Refining Company
(Name of Operator)

Telephone Number MAdison 6-7701

By [signature]

SEND ONE COPY OF NOTICE TO DIVISION OFFICE IN DISTRICT WHERE WELL IS LOCATED

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

September 21, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 31, A.P.I. No. 037-16501, Section 19, T. 4N, R. 16W, S.B. B.& M., Castaic Junction field, Los Angeles County, dated 07-27-93, received 08-06-93, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

svl

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

cc: Conservation Committee
Update

Modified OG159 (4/94)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

DIVISION OF OIL AND GAS
RECEIVED
NOV 0 4 1992
VENTURA, CALIFORNIA

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	11-4-92 ✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land & Farming Co 31 (Well designation) API No. 037-016501

Sec. 19, T. 4N, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 10-29, 19 92.

The present condition of the well is:

1. Total depth 10,872'

2. Complete casing record, including plugs and perforations
   10 3/4" 40.5# casing: 0'-812'
   7" 26/29/32# casing: 0'-10,510'
   4-1/2" 11.6# liner : 10,406'-10,872'
   slots: 10,499'-10,645'
   Plug back depth: 10,658'

3. Last produced 4/86 (Date) 9 (Oil, B/D) 34 (Water, B/D) 50 (Gas, Mcf/D)

   OR

4. Last injected _____ (Date) _____ (Water, B/D) _____ (Gas, Mcf/D) _____ (Surface pressure)

Additional Data for dry hole (show depths)

5. Uppermost productive zone:

   Zone 10-A: 10,512'-10,645'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 812'

The proposed work is as follows:

1. MIRU. Install and test a DOG class II BOPE.
2. Clean out to bottom @ PBTD of 10,658'.
3. Place class "G" cement plug from 10,658'-10,306' to cover slots in liner from 10,645'-10,499' and bring cement to 100' above 4 1/2" liner top. DOG to witness.
4. Shoot 4 SPF from 812'-792' and place class "G" cement plug from 812' to ~~792'~~ 692' to cover fresh water base. DOG to witness.
5. Shoot 4 holes @ 100'. Circulate cement plug from 100' to surface getting returns in 7" X 10 3/4" annulus. Dog to witness.
6. Cut off casing @ 5' and weld plate with well identifier.
7. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive (Street) P.O. Box 1600

Midland, (City) TX (State) 79702 (Zip)

Telephone Number 915-688-7888

Exxon Corp. (Name of Operator)

By Judy M. Bagwell (Name-Printed)

Judy Bagwell (Name-Signature) 10-29-92 (Date)

Type of Organization Corporation

Forms\Abandon.DOG

OPERATOR EXXON
WELL NO. N.L.&F. #31
MAP 252

INTENTION	ABANDON					
NOTICE DATED	10-29-92					
P-REPORT NUMBER	292-320					
CHECKED BY/DATE						
MAP LETTER DATED	11.4.92					
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NE
NOTICE	11-4-92											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	✓					
DRILL CARD						
RECORD'S COMPLETE						

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS:

TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. 31, Sec. 19, T 4N, R 16W, SB B. & M.
A.P.I. No. 037-16501 Name Judy Bagwell (Person submitting report) Title Sr Staff Office A (President, Secretary or Agent)
Date July 27, 19 93

Signature Judy Bagwell

Environmental & Regulatory Affairs, P. O. Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

06/23/93 MIRU. Set tbg plug @ 242'. RU wireline unit. Spot pump. Secure well.

06/24/93 Check cellar for gases. Obtain hot work permit. ND tree. NU class III BOP & test. RU working floor, pump & choke manifold. RU wireline. Pull tbg plug @ 242'. Release Baker Packer. Circ btm up w/produced wtr. Secure well. Ready to pull tbg in am.

06/25/93 Open well (0 psi tbg & csg). Start up job. Pull & measure all tbg. LD ga lift equip & packer. RIH w/kill string. Secure well.

06/28/93 Pull out of hole w/kill string. Measured & PU 9 jts 2-3/8 seal locks w/mule shoe. RIH w/all tbg. Tag hard fill @ 10,575'. Notified DOG agent Steve Mulqueen, @ 1:30 pm. Received verbal approval to lay btm plug from 10,575' to 10,306'. RU pump. Break circ. Pulled above liner. Secure well pending arrival of Halliburton cementers in am.

06/29/93 Open well (0 psi csg and tbg). Broke circulation. Ran tbg to 10,570'. RU Halliburton. Mix & pump 35 sx class "G" cmt w/40% Silica Flour + .75% CFR-3 & .5% HR-7. Displaced w/59 bbls lease wtr. Pulled 5 stands above calculated TOC @ 10,206'. Reversed twice around. Pull 3 more stands. Secure well. WOC overnight.

DIVISION OF OIL AND GAS
RECEIVED
AUG 6 1993
VENTURA, CALIFORNIA

06-30-93 Open well (0 psi csg and tbg). RIH, tag top of bottom plug cement at 10323'. Plug was 17 feet too low. Pulled 600' above top of cement. Secure well.

07-01-93 Open well (0 psi). RIH, tag plug at 10323'. Pulled to 10313', broke circulation. Rig up Halliburton. Mix and pump 41 sacks cement with 40% 5SA, .75% CFR-3, and .5% HR7 for a total of 67 cubic feet. Displaced with 58 bbls. Rig out cementers. Pull to 9654', 355' above circulated top of cement at 10000'. Reverse bottoms up twice around. Pulled 5 more stands. Secure well. WOC.

07-02-93 Open well (0 psi csg and tbg). RIH, tag top of cement at 9981'. Witnessed and approved by F. Neese, Division of Oil and Gas. Made casing test to 500 psi. Bleed to 50 psi in 10 minutes. POOH. Lay down 2.375 tubing. Ran 10 stand kill string. Secure well.

07-03-93
through
07-05-93 No well work.

07-06-93 Open well (0 psi csg and tbg). POOH with kill string. Make up Robinson 7 inch full bore packer. RIH, locate holes in casing from 1268' to 2012'. POOH with packer. Run tubing open ended to top of cement at 9981'. Secure well. Received DOG verbal approval to cement from 2150' to 1268'.

07-07-93 Open well (0 psi csg and tbg). With tubing hung at 9971', changed well over to 9.7# mud, approved by Steve Mulqueen, Division of Oil and Gas (301 bbls). Pulled and laid down 170 joints 2.875 inch tubing. Secured well.

07-08-93 Open well (0 psi csg and tbg). Pull and lay down 90 joints of tubing. With tubing hung at 2150', rig up Halliburton. Test lines, mix and pump 112 sacks class G cement blended with 3% $CaCl_2$. Displaced with 2 bbl lease water. Rig out Halliburton. Pulled 12 stands, reversed twice around. POOH. Wait on cement 3 hours. Calculated top of cement at 1534'. RIH, tag cement at 1607'. Rig up Halliburton, test lines. Mix and pump 112 sacks class G neat cement. Displaced with 5.7 bbls water. Pulled to 800', reversed out. Rig out Halliburton. POOH. Secured well.

07-09-93
through
07-11-93 No well work.

07-12-93 Open well. RIH, tag top of cement at 625', witnessed and approved by F. M. Neese. Mud up 10.75 and 7 inch from 625' to surface. Rig up Halliburton. With tubing hung at 126', mix and pump 50 sacks class G neat cement. Filled 10.75 and 7" from 126' to surface. Rig out Halliburton. Mud and surface plug was witnessed by F. M. Neese, DOG. Lay down tubing. Remove BOP. Rig down, clean location. Well is plugged and abandoned.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No.T293-192

REPORT ON OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
August 9, 1993

Your operations at well "Newhall Land & Farming Co." 31, API No. 037-16501, Sec. 19, T. 4N, R. 16, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 7-12-93. F. Neese, representative of the supervisor, was present from 0800 to 0900. There were also present D. Mullins.

Present condition of well: 10 3/4" cem 812'; 7" cem 10510', perf 10458' WSO, cp 120' & cp 10450', perfs 792'-812', split 1268'-2012'; 4 1/2" ld 10406'-10872', perfs 10499'-10645'. TD 10878'. Plugged w/cem 10872'-10658', 10575'-9981', 2150'-941' & 845'-625'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

PK:FN:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
~~Deputy Supervisor~~

0G109

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

T 293-192

Operator Exxon Corporation Well No. Chevron Land & Farm Co. #31
API No. 033-16501 Sec. 19, T. 4, R. 16, SB B&M
Field Cook Inlet, County Kenai Peninsula. On 7-12-93,
Mr./Ms. FARIBA MEESE, representative of the supervisor, was present from 0900 to 2[illegible]
There were also present D. Mullins

Casing record of well: 10¾" cem 912'; 7" cem 10570' perf 10458' WSO sp 120' sp 10450' perfs 792'-812', split 1269'-2012'; 4½" ld 10406'-10978' perfs 10409'-10645'; TD 10978'. 7 joints w/ cem 9872'-10458'

The operations were performed for the purpose of abandonment
10575'-9981' 2150'-941' & EOT-625'

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @_____' is approved.

Hole size:_____" fr._____' to_____'; _____" to_____' & _____" to_____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered:_____" shot/cut at_____', _____', _____' pulled fr._____';
_____" shot/cut at_____', _____', _____' pulled fr._____'.

Junk (in hole): SPLIT @ 1268 - 2012

Hole fluid (bailed to) at_____'. Witnessed by_____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.7 ppg	7/9/93	24 bbls	from 625'	—	0 Surface	FMN
9.7 ppg cut gel	7-7-93	301	TBG @ 998'	—	2150'	S. MULQUEEN

TOC @ 10575'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
6/29	35 sx	EOT @ 10575	-	rpt	10323	-	-	rpt
6/30	41 sx	EOT @ 10323	-	rpt	9981	Tag w/ tbg.	7/2/93	FMN
7/8	112 sx	TBG @ 2150'			1607'		7/8	REPORTED
7/8	112 sx	TBG @ 1607'			941'			"
7/9	57 sx	EOT @ 941'	-	rpt	625	Tag w/ [illegible]	[illegible]	[illegible]

Surface Plug wained 7/11/93 - 4 Week

DALE MORRIS/S. MULQUEEN PHONE CONVERSATION ON 8-5-93 PERF HOLES 120'-122', TBG @ 126' M&P 50 SX (58cf) of cem TO SURFACE, CUT CASING 5' BELOW GRADE [illegible]

OGD10 (10/90/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-320
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

CORRECTED COPY

PERMIT TO CONDUCT WELL OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 6, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 31, A.P.I. No. 037-16501, Section 19, T. 4 N, R. 16W, S.E. B.&M., Castaic Junction field, --- area, 10-A pool, Los Angeles County, dated 10-29-92, received 11-04-92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,658'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10,306' & 692'.
   b. To witness the mudding of the well.
   c. To witness the placing of the surface plug or to verify its location.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

FORM 105

037-16501

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

D

6

DIVISION OF OIL AND GAS
RECEIVED
JAN 29 1954
LOS ANGELES, CALIF.

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

Los Angeles Calif. January 26, 1954

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. Newhall Land and Farming Proj Company No. 31 / Sec. 19, T. 4 N., R. 16 W., S.B.B. & M., Castaic Junction Field, Los Angeles County.

Legal description of lease: See Attached Plat
(Attach map or plat to scale)

Location of Well: 2287 feet South (Direction) ~~property line~~ and 15,621 feet East (Direction) at right angles to said line from ~~the~~ ~~property line~~

Corner 11, Rancho San Francisco

Elevation of ground above sea level: To Be Submitted Later feet datum.

All depth measurements taken from top of Kelly Bushing which is 12 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
10-3/4"	40.5	J-55	0	800	Cemented To Surface
7	23, 29 32	N-80	0	10,900	Cemented 9,900 to 10,900

Intended zone or zones of completion: Zone 10 - 10,500 to 10,900

MAP

It is understood that if changes in this plan become necessary we are to notify you before running casing.

612 South Flower Street
Address Los Angeles 17, California

Humble Oil & Refining Company
(Name of Operator)

Telephone Number MAdison 6-7701

By

SEND ONE COPY OF NOTICE TO DIVISION OFFICE IN DISTRICT WHERE WELL IS LOCATED

FORM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 154-177

Los Angeles 15 Calif. February 3 1954

Mr. J E Cox
613 San Fernando Road
Newhall Calif.

Agent for HUMBLE OIL & REFINING CO

DEAR SIR:

Your proposal to drill Well No. "Newhall Land & Farming Co" 31, Section 19, T. 4 N, R. 16 W, S B B. & M., Castaic Junction Field, Los Angeles County, dated Jan. [illegible] 1954, received Jan. 22 1954, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

[illegible]
"Location of well: [illegible] feet South and 1[illegible],623 feet [illegible] angles to said line from Corner [illegible], Rancho San Francisco
Elevation of ground above sea level ______ feet [illegible]. To be submitted later
All depth measurements taken from top of Kelly bushing which is 18 feet above ground."

PROPOSAL
"PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
10-3/4"	40.5	J-55	0	[illegible]	Cemented to surface
7"	[illegible], [illegible], 32	N-80	0	1[illegible],[illegible]	Cemented 9,900 to 10,900

Intended zone or zones of completion: Zone 10 - 10,5[illegible] to 10,900
It is understood that if changes in this plan become necessary we are to notify you before running casing."

DECISION
THE PROPOSAL IS APPROVED PROVIDED THAT

1. Mud fluid consistent with good drilling practice shall be used and the column of mud fluid maintained at all times to the surface, particularly while pulling the drill p[illegible]
2. Adequate blowout prevention equipment shall be installed and maintained in operatin[g] condition at all times.
3. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 200[illegible]
   (b) To witness a test of the effectiveness of the 7" shut-off.

[illegible]:OH

cc (2) Humble Oil & Refining Co.
P O Box 1196
Newhall California

Newhall Land & Farming Co.
Route 3 Box 77
Saugus California

R. D. BUSH
State Oil and Gas Supervisor

By [signature] Deputy

43268 4-51 25M SPO

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California
January 18, 1991

L. R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Your report of abandonment of well "Newhall Land & Farming Co." 34, A.P.I. No. 037-16504, Section 19, T. 4N, R. 16W, SB B.&M., Castaic Junction field, Los Angeles County, dated 12-6-90, received 12-10-90, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.

cc: Conservation Committee
Update

MAP	[illegible]	CASING	RECORD	ENG	FORMS	
					114	121
252	12-27-90 PC	—	BB	✓	—	✓

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear, Deputy Supervisor

OG159

OPERATOR Eldon
WELL NO.
MAP

INTENTION	Abd					
NOTICE DATED	10-8-90					
P-REPORT NUMBER	390-393					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	10-17-90											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
BL												

ENGINEERING CHECK

-REPORTS						
PERATOR'S NAME						
ELL NO.						
OC & ELEV						
IGNATURE						
URFACE INSP.						
RILL CARD						

ECORD'S COMPLETE _____ _____ _____ _____ _____ _____

FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

NJECTION BOOK _____
DLE WELL LIST _____
URFACE INSP. CARD _____
TO RELEASE FROM CONFIDENTIAL _____
BANDONED-REMOVED FROM E.D.P. _____

REMARKS: _____

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

ORIGINAL
DIVISION OF OIL AND
RECEIVED
DEC 10 1990
VENTURA, CALIFO

History of Oil or Gas Well

Operator Exxon Company, U. S. A. Field Castaic Junction County ~~Ventura~~ LA
Well Newhall Land and Farming Co. #34, Sec. 19, T 4N, R 16W, S.B B. & M.
A.P.I. No. 037-16504 Name Scott S. King (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date 12/6, 1990

Signature JRS Scott King

P. O. Box 5025, Thousand Oaks, California 91359 (Address) 805-494-2283 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

10/29/90 Moved in and rigged up. Installed guylines. Bled down well. Checked for H^2S leaks, OK. Rigged up pump. Removed production tree. Installed Class II BOP. Tested BOP to 200 psi and 3000 psi, OK. Rigged up working floor and tubing equipment. Worked packer loose and pulled up 120'. Closed in well.

10/30/90 Opened well, no pressure. POOH with gas lift assembly and 344 joints of 2-7/8" tubing. Fluid level at 1364'. POOH with packer. Picked up 16 joints of 2-1/16" Hydril tubing. Rigged up Hydro-test and tested tubing in hole to 5000 psi. RIH with 50 stands. Rigged down Hydro-tester. Closed in well.

11/01/90 Opened well. Rigged up Hydro-test. RIH and tested 120 stands of tubing in hole to 5000 psi, OK. Rigged out Hydro-test. Tagged fill at 10,775'. Changed well over with 400 bbls of lease water. Closed in well.

11/02/90 Opened well. RIH to 10,775' and circulated well. Cleaned out from 10,775' to 10,898'. Circulated well. Rigged up BJ and tested lines to 200 psi and 2000 psi, OK. Pumped 56 ft^3 of fresh water ahead. Mixed and pumped 39 (44 ft^3) sacks of Class G cement with 0.5% R-3 retarder and 0.1% CD-31. Pumped 10 ft^3 of fresh water behind. Displaced with 332 ft^3 of lease water. Rigged out BJ cementers. Pulled up 500'. Reversed out 60 bbls in 30 minutes. Pulled up 600'. Closed in well.

11/03/90
through
11/04/90 No well work.

ORIGINAL

11/05/90 Opened well. RIH and tagged plug at 10,625'. Tested plug to 300 psi, witnessed by B. Hesson of Division of Oil and Gas. Circulate well. Rigged up BJ cementers. Pressure tested lines. Pumped 56 ft^3 of fresh water ahead. Mixed and pumped 20 ft^3 of Class G cement with 0.5% retarder and 0.1% CD-31. Pumped 10 ft^3 of fresh water behind. Displaced with 324 ft^3 of lease water. Rigged out BJ cementers. Pulled up 120' to 10,500'. Reverse circulated out 60 bbls of cement. Changed well over with 398 bbls of 10.2 ppg water base mud. POOH and laid down 100 joints of 2-7/8" tubing. Closed in well.

11/06/90 Opened well. Continued pulling out of hole with 219 joints of 2-7/8" tubing and 16 joints of 2-1/16" tubing. Rigged up Tiger wireline. Filled hole with mud. RIH and shot cavity at 710'. POOH. Circulated down 7" casing and up 10-3/4" casing with mud. RIH to 795'. Rigged up BJ cementers and tested lines. Mixed and pumped 138 ft^3 of Class G cement. Displaced with 2 ft^3 of fresh water. POOH with 12 joints of 2-7/8" tubing. Closed blind rams and opened 10-3/4" bleeder line. Pumped 32 ft^3 of fresh water down 7" casing, returns up 10-3/4" casing. Closed in well.

11/07/90 Opened well. RIH and tagged cement at 598'. Tag witnessed by S. Mulqueen of Division of Oil and Gas. POOH and laid down 24 joints of 2-7/8" tubing. Rigged up Tiger wireline. Filled hole with 10.2 ppg mud. RIH and shot four holes at 100', witnessed by S. Mulqueen of Division of Oil and Gas. POOH and rigged out Tiger wireline. RIH with 3 joints of 2-7/8" tubing. Rigged up BJ cementers. Unable to pump around 10-3/4" casing, pressure to 500 psi. Closed 10-3/4" casing. Mixed and pumped 22 ft^3 of Class G cement into 7" casing. Final cement plug witnessed by S. Mulqueen of Division of Oil and Gas. POOH and laid down 3 joints of 2-7/8" tubing. Rigged out tubing equipment and working floor. Removed BOPE, pump and Baker tanks. Rigged down and moved off.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. T290- 334

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
November 19, 1990

Your operations at well "Newhall Land & Farming Co." 34, API No. 037-16504, Sec. 19, T. 4N, R. 16W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 11/7/90. Steve Mulqueen, representative of the supervisor, was present from 0800 to 0900. There were also present Chris Ballard, Ken Kennedy.

Present condition of well: 10 3/4" cem 786'; 7" cem 10700', perf 10635' WSO, cp 100', cav shot 710'; 3 1/2" ld 10655'-10898' perfs 10743'-10898'. TD 10900'. Plugged w/cem 10898'-10525' +, 795'-598' & 90'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

ljg

M.G. MEFFERD, State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

OG109

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

SP 334

Operator EXXON CORP. Well No. "N.L. & F." 34
API No. 037-16504 Sec. 19, T. 4, R. 16, SE B&M
Field CAPITAL JUNCTION, County L.A. On 11-7-90,
Mr. S. MULQUEEN, representative of the supervisor was present from 0900 to ,
There were also present CHUCK FAULKNER, KEN KENNEDY

Casing record of well: 10¾" cem 796'; 7" cem 10700' perf 10635' WSO, CIP 100' cav shot 710'; 3½" to 10665 - 10898' perfs 10745' - 10898'. TD 10900'. Plugged w/ cem 10898' - 10379' ± 795' - 593' & 90' - 5'.

The operations were performed for the purpose of ABANDONMENT

☑ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ' is approved.

Hole size: " fr. ' to ', " to ' & " to '

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MD Depth	Volume	Annulus	Casing			
7"	23#	0	10700'	11-6	796'	125 SX	—	593'	39#	[illegible]	796' 10745' 10898'

Casing/tubing recovered: " shot/cut at ', ', ' pulled fr. ';
" shot/cut at ', ', ' pulled fr. '.

Junk (in hole):

Hole fluid (bailed to) at '. Witnessed by

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
10.2 PCF	11/5	398	TBG @ 10,525	—	SURF.	B. HARRISON

CAVITY SHOT @ 710' PERFORATED @ 100' (UNKNOWN TO CO)

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MD & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
11/2	45 CF	TBG @ 10,379	[illegible]	C. HILLIARD	LOW → 10,5[illegible]'	10.2	11/5 @ 0730	B. HARRISON
11/5	22 CF	TBG @ 10,625	0300	B. HARRISON	10,525'±	CALCULATED BY B. HARRISON		
11/6	125 SX	TBG @ 795'	REPORTED	C. HILLIARD	598'	ALL TBG METER	11/7	0800 S. MULQUEEN
11/7	25 CF	BG @ 90'	0900	S. MULQUEEN	5'	VISUAL	11/7	0900 "

C/O 10,379

* PRESS TEST CSG TO 2000 PSI FOR 30 MIN TO CALC TOP OF 10,525.
NO TAG REQUIRED, **

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P290- 393
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 00

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
October 22, 1990

Your proposal to abandon well "Newhall Land & Farming Co." 34
A.P.I. No. 037-16504, Section 19, T. 4 N, R. 16W, S.B. B.&M.,
Castaic Junction field, ----- area, 10-B pool,
Los Angeles County, dated 10/8/90, received 10/17/90, has been
examined in conjunction with records filed in this office.
THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. Any sump used during these operations shall be thoroughly cleaned and filled with earth as soon as operations are completed.
4. A diligent effort shall be made to clean out the well to at least 10898'.
5. The well shall be plugged with cement from 10898' to 10535' and from 710' to 610'.
6. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq. ft.
7. A cavity shot shall be placed at 710'.
8. The 7" casing and all annuli shall be plugged with cement from 30' to the surface.
9. This office shall be consulted before deviating from the proposed abandonment program.
10. THIS DIVISION SHALL BE NOTIFIED:
    a. To witness the location and hardness of the cement plug at 10535' and 610'.
    b. To witness the mudding of the well.
    c. To witness the placing of cement inside the 7" casing and all annuli.
    d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:ljg

Engineer Steve Fields

Phone (805) 654-4761

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Hinnear
Patrick J. Hinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND G
RECEIVED
OCT 17 1990
VENTURA, CALIFORI

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	✓	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Newhall Land & Farming # 34, API No. 037-16504 ~~4037165046~~,

Sec. 19, T 4N., R 16 NW, S.B.B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19____

The present condition of the well is:

1. Total depth: see attached

2. Complete casing record, including plugs and perforations:

see attached

3. Last produced 12/85 6.7 11.6 KCF 74
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)

or

4. Last injected _____
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 710'

The proposed work is as follows:

see attached

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Dr.
(Street)
Thousand Oaks, CA 91360
(City) (State) (Zip)

Telephone Number (805) 494-2145
(Area Code) (Number)

Exxon Company, U.S.A.
(Name of Operator)

By Marcelo D. Gunstardo
(Signature) (Date)

Type of Organization Corporation
(Corporation, Partnership, Individual, etc.)

OG108 (8-75—CSRI—15M)

COMPLETION REPORT
(OIL, GAS OR INJECTION WELL)

APR 16 1960

INGLEWOOD, CALIFOR...

CONSERVATION COMMITTEE OF
CALIFORNIA OIL PRODUCERS
Main Office
868 Subway Terminal Building
417 South Hill Street
Los Angeles 90013
Phone 625-7731

Field Office
451 Haberfelde Building
Bakersfield 93301
Phone 324-4504

REGION COASTAL
DISTRICT SANTA CRUZ VALLEY
COUNTY TOO ...
GROUP ...
FIELD ...
AREA ...
FAULT BLOCK "10"
POOL ...

SPUD DATE ... 19...
COMPLETED ... Feb. 20 1960
RECOMPLETED ... 19...
RECONDITIONED ... 19...

TBG. SIZE(S) 2-7/8 IN. ... IN.
TBG. DEPTH(S) 10507 FT. ... FT.
PACKER(S) @ ... FT. ... FT.

IF A SERVICE WELL PLEASE CHECK:
WATER INJECTION ... GAS INJECTION ...

COMPANY ... OIL ... CO. OF ...
LEASE W. I. I F.
WELL NO. 34 Sec. 19 T. 4... R. 1...W. S.B. B. & M.

PREVIOUS WELL DATA

(POOL 10)
TOTAL DEPTH 10900 FT.
PLUG DEPTH ... FT.
WSO DEPTH ... FT.
CASING 7 IN. CMT'D 10700 FT.
LINER ... FT. ... IN. ... FT. L. ... FT.
(LENGTH / SIZE / TOP / BOTTOM)
INCL. ... FT. PERF. ... MESH
PERFORATIONS (INCLUDE PERF'D INTERVALS FROM TOP TO BOTTOM) FROM Barefoot TO
—
—
—
—
—
—

PRESENT WELL DATA

TOTAL DEPTH 10900 FT.
PLUG DEPTH ... FT.
WSO DEPTH ... FT.
CASING 7 IN. CMT'D 10700 FT.
LINER 2#2 FT. 32 IN. 10650 FT. L. 10900 FT.
(LENGTH / SIZE / TOP / BOTTOM)
INCL. 154 FT. PERF. ... MESH
PERFORATIONS (INCLUDE PERF'D INTERVALS FROM TOP TO BOTTOM) FROM 10746 TO 10980
—
—
—
—
—
—

GEOLOGIC MARKERS

... FT.
... FT.
... FT.
... FT.
... FT.
... FT.
... FT.
... FT.
... FT.
... FT.
... FT.
... FT.
... FT.

REMARKS:

Cleaned out and re-drilled.

MAP ...

BOOK ...

PRODUCTION OR INJECTION DATA

	DATE	OIL NET B/D	OIL GRAVITY	WATER B/D	WATER % CUT	BEAN /64	PRESSURE TBG. PSIG	PRESSURE CSG. PSIG	GAS MCF	GAS GOR	METHOD*
I.P.	2/20/60	384	18.3		19.0						GL
P.P.											

*NOTE: F, GL, P, WI, GI, LPG

ELEVATION: KB ... FT., RT ... FT., GR. 1132 FT., OTHER ... FT.

SURFACE LOCATION 533'S. & 411'E. from NW corner Sec. 19-4N-1W.
Or. From NE Cor. #11, 378'S. & 1365'W.

SUB-SURFACE LOCATION (WHEN DIRECTIONALLY DRILLED) FROM SURFACE LOCATION ...

PIPELINE COMPANY ...

GAS SOLD TO ...

FOR THE COMPANY BY Ellsworth (from Bunger) DATED 3/30/60

FORM E-113 (REVISED)

MEMO BY: ...
EFFECT. DEPTH ...
SCH. PROD. 1/1
OR INITIAL PROD. ...

DISTRIBUTION

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California

August 23, 1988

C. G. Lyons, Agent
Exxon Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

Your report of abandonment of well "Newhall Land & Farming Co." 41
(Name and number)
A.P.I. No. 037-16508, Section 19, T. 4N, R. 16W, S.B. B. & M.,
Castaic Junction field, Los Angeles County,
dated 8-12-88, received 8-15-88, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.

b

MAP	MAP BOOK	CARDS	BOND	EDP	FORMS 114	FORMS 121
			1B	✓	—	✓

M. G. MEFFERD
State Oil and Gas Supervisor

By Patrick J. Kinnear
Deputy Supervisor

Patrick J. Kinnear

OG159 (11/82/GSR1/8M)

OPERATOR Chevron
WELL NO. "S. L FCU" 41
MAP

INTENTION	Abd					
NOTICE DATED	2-2-88					
P-REPORT NUMBER	288-66					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEE
NOTICE	2-8-88											
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.						
DRILL CARD						

RECORD'S COMPLETE 2-8-88

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD
OK TO RELEASE FROM CONFIDENTIAL

REMARKS:

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

ORIGINAL

History of Oil or Gas Well

Operator Exxon Corporation Field Castiac Junction County Los Angeles
Well Newhall Land & Farming 41, Sec. 19, T 4N, R 16W, S.B. B. & M.
A.P.I. No. 037-16508 Name Myron E. Fedak (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date August 12, 1988

Signature Myron E. Fedak

P. O. Box 5025, Thousand Oaks, CA 91359 (Address) 805-494-2605 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

4-29-88 Moved in, rigged up. Buried 4 marsh anchors with 90' spread spotted 12" X 12" timbers. H & H hauled 350 joints 2 3/8" N-80 tubing; unloaded on rack. Shut down job.

DIVISION OF OIL AND G
RECEIVED
AUG 15 1988
VENTURA, CALIFORN

4-30-88 through 5-01-88 No well work.

5-02-88 Bled off well, removed tree, unlanded tubing. Installed BOP and tested at 1000 psi. Filled casing with 14 bbls lease brine. Measured and picked up 10,600' 2-3/8" EU 8rd N-80 tubing. Closed in well, shut down for night.

5-03-88 Rigged B. J. Hughes. Changed over to 9.6 ppg mud; used 237 bbls. Pulled and laid down 307 joints 2-3/8" EU 8rd tubing. Stood back 20 doubles (1238'). Rigged Tiger Wireline, shot cavity at 1250'. Ran 20 doubles. Rigged B. J. Hughes; pumped 59 sacks cement. Pulled 20 doubles. Ran 2 doubles kill string. Closed in well, shut down for night.

5-04-88 Ran tubing, tagged plug at 925' (325' plug, 20.5 sacks of cement were squeezed into the formation, leaving 38 sacks plug in 5 1/2" casing). Rigged Tiger Wireline, shot cavity, shot at 60'. Rigged B. J. Hughes, broke circulation. Pumped 75 sacks of cement to surface, squeezed with 400 psi. Removed BOP, washed out same. Loaded out BOP and loaded out tools. Rigged down, removed 4 marsh anchors, cleaned location and moved off.

ORIGINAL

5-05-88
through
5-24-88 No well work.

5-25-88 Cleaned surface location. Removed flowline from location to tank battery. DOG approved final surface abandonment.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 288-115

DIVISION OF OIL AND GAS

Report on Operations

C. G. Lyons, Agent
Exxon Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

Ventura, Calif.
May 17, 1988

Your operations at well "Newhall Land & Farming Co." 41, API No. 037-16508, Sec. 19, T. 4N R. 16W, SB B.& M. Castaic Junction Field, in Los Angeles County, were witnessed on 5/4/88. Bill Winkler, representative of the supervisor, was present from 0700 to 1000. There were also present Marion Blair

Present condition of well: 10 3/4" cem 795', 5 1/2" cem 10730', perf 60' and 1250' for abandonment operations. TD 10950', ED 10610'. Plugged w/cem 1250-925', and 60-5'.

The operations were performed for the purpose of abandonment

DECISION:

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

b

M. G. MEFFERD

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109 (3/83/GSR1/15M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 288-66
126 (field code)
00 (area code)
-- (new pool code)
05 (old pool code)

PERMIT TO CONDUCT WELL OPERATIONS

C. G. Lyons, Agent
EXXON CORPORATION
P.O. Box 5025
Thousand Oaks, CA 91359

Ventura, California
February 16, 1988

Your proposal to abandon well "Newhall Land & Farming" 41, A.P.I. No. 037-16508, Section 19, T. 4N, R. 16W, S.B. B. & M., Castaic Junction field, any area, no breakdown pool, Los Angeles County, dated 2/2/88, received 2/8/88 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
2. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condtiion at all times.
3. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu.ft. and a minimum gel-shear strength (10 min) of 20 lbs./100 sq.ft..
4. Freshwater deposits are protected by squeeze-cement through perforations at 1250' with the equivalent of 100 lineal feet of cement, or by placing a cement plug across a cavity shot at that depth. In either case, cement fill inside the casing must be to at least 100 feet above the perforations or cavity shot.
5. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. TO WITNESS the mudding of the well.
   b. TO WITNESS the placing of the cement plug from 1250' to 1150'.
   c. TO WITNESS the placing of the surface plug inside the 5 1/2" casing and the plug in the 10 3/4" and 5 1/2" casing annulus or to verify their location.
   d. TO INSPECT and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
MS:ljg

Engineer Michael Stettner

Phone (805) 654-4761

M. G. MEFFERD, State Oil and Gas Supervisor

By Patrick L. Rummy
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND G
RECEIVED
FEB 8 1988
VENTURA, CALIFORN

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	62	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Newhall Land & Farming #41, API No. 037-16508, Sec. 19, T. 4N, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County, commencing work on _____, 19____.

The present condition of the well is:

1. Total depth: 10950'. PBD @ 10610'.

2. Complete casing record, including plugs and perforations:

10-3/4" 40.5 ppf csg at 778'
5-1/2", 15.5, 17 & 20 ppf csg at 10730'
WSO at 10660'
Top of cement at 10610'
Baker Model "D" packer at 10600'

3. Last produced 7/70 (Date) 8 (Oil, B/D) 0 (Gas, Mcf/D) 377 (Water, B/D)

or

4. Last injected - (Date) - (Water, B/D) - (Gas, Mcf/D) - (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: _____

The proposed work is as follows:

1. MI & R/U rig.
2. N/D x-mas tree and R/U BOPs. Test same.
3. RIH w/tubing to 10610' and circulate mud in the well. POOH.
4. R/U ELU and perforate the 5-1/2" casing at 750' +/-.
5. Spot a balanced cement plug from 550' to 750' +/- in the 5-1/2" casing and in th 5-1/2" x 10-3/4" annulus. Tag and test same.
6. Spot a balanced cement plug from 5' to 50'.
7. Cut 10-3/4" and 5-1/2" casing 5' below ground level. Weld a plate over same.
8. R/D rig. Break up cellar location and clean same.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Drive (Street)
Thousand Oaks (City) California (State) 91360 (Zip)
Telephone Number (805) 494-2419 (Area Code) (Number)

Exxon Company, U.S.A. (Name of Operator)
By T. R. Watts (Signature) 2/2/88 (Date)
Type of Organization Corporation (Corporation, Partnership, Individual, etc)

OG108 (8-75—GSRI—15M)

FORM 103

SUBMIT IN DUPLICATE

26535-705 7-64 25M △ OSP

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR Humble Oil & Refining Company FIELD Castaic Junction

(037-16506)
Well No. "Newhall Land & Farming Co." 5 Sec. 29, T. 5N, R. 16W, S.B. B. & M.

Date August 19, 1970 Signed E. L. Longbrake

P. O. Box 7033, Long Beach, Calif. (426-8844) Title District Superintendent
(Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation depths, underreamed junk, bailing tests, shooting and initial production data.

Date	
7/27/70	Move in, rig up. Found top of fill at 10,886'.
7/28/70	Mixed 80 sacks cl "G" cement with 0.75% friction reducer and 0.1% D-28 retarder. Pumped through tubing hung OE at 10,885' CIP at 11:30 a.m. Circulated 55 bbl Corexit 7720 while WOC.
7/29/70	Tagged top of cement at 10,610'. Witnessed and approved by Division of Oil & Gas. Zone 10-A abandoned.

DIVISION OF OIL AND GAS
RECEIVED
AUG 20 1970
INGLEWOOD, CALIFORNIA

FORM 123 (9-48)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
NOV 4 1954
LOS ANGELES, CALIFORNIA

Supplementary Notice

Los Angeles Calif. October 29, 1954

DIVISION OF OIL AND GAS

Los Angeles, Calif.

Our notice to you dated September 2, 1954, stating our intention to

Drill well No. Newhall Land & Farming Company No. 41
(Drill, deepen, redrill, abandon)

Proj. Sec. 19, T. 4-N, R. 16-W, SB B. & M. Castaic Junction Field,

Los Angeles, County, must be amended on account of changed or recently

discovered conditions.

The new conditions are as follows: Notice indicated that a 7" casing string would be run to approximately 10,900 feet. It is now planned to run a 5-1/2" casing string to approximately 10,900 feet.

We now propose

Proposed Casing Program:

10-3/4"	40.5 lb.	J-55	From 0	To 800 Feet Cemented to surface
5-1/2"	15, 17, & 20 lb.	J-55 & N-80	" 0	" 10,900 Feet Cemented 1000 feet above shoe.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	1[illegible]
			Blanket	EB	EB

Humble Oil & Refining Company
(Name of Operator)

By John D Bell

80669 9-51 8M SPO

FORM 105

37-16508

STATE OF CALIFORNIA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
SEP 7 1954
LOS ANGELES, CALIFORNIA

13

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

Los Angeles, Calif. September 2, 1954

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. "Newhall Land & Farming Co." (No.) 41, Sec. 19, T. 4-N, R. 16-W, SB B. & M., Castaic Junction Proj. Field, Los Angeles County.

Legal description of lease See attached Plat
(Attach map or plat to scale)

Location of Well: 3765 feet South (Direction) ~~property~~ and along ~~section~~ line and 14,018 feet East (Direction) at right angles to said line from ~~the~~ ~~property~~ corner of ~~section~~ 11

Rancho San Francisco, Los Angeles County, California.

Elevation of ground above sea level feet To be submitted later datum.

All depth measurements taken from top of Kelly Bushing which is 12 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
10-3/4"	40.5 lb	J-55	0	800	Cemented to surface
7"	23, 26 29, & 32	N-80	0	10,900	Cemented 1000 feet above shoe

Intended zone or zones of completion: Zone 10 from 9575 to 10,950

M.P.	MAP BOOK	CARDS	BOND	FORM 114
IEA				

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address 612 South Flower Street
Los Angles 17, California

Telephone Number MA 6-7701

Humble Oil & Refining Company
(Name of Operator)

By John S Bell

SEND ONE COPY OF NOTICE TO DIVISION OFFICE IN DISTRICT WHERE WELL IS LOCATED

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

May 8, 1996

EXXON CORPORATION
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 49, A.P.I. No. 037-16514, Section 19, T. 4N, R. 16W, S.B. B.& M., Castaic Junction field, Los Angeles County, dated 11-8-95, received 11-17-95, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

svl

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

Modified OG159 (4/94)

OPERATOR EXXON CORP.
WELL NO. N.L.&F. 49
MAP 2-2

;ENTION	REWORK	Abandon				
TICE DATED	9-12-85	8-23-94				
REPORT NUMBER	85-309	P&A-194				
HECKED BY/DATE						
AP LETTER DATED	9-12-85	9-25-94				
SYMBOL	S	+				

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	9-19-85		9-29-94									
HISTORY	9-19-85		9-29-94									
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.	9-26-85	N/A				
DRILL CARD						

RECORD'S COMPLETE SJH 1-15-96

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS:

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
NOV 17 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 49, Sec. 19, T 4N, R 16W, S.B. B. & M.

A.P.I. No. 0403716514 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assist (President, Secretary or Agent)

Date 11/08, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redr or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amo of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

10/19/95
MIRU. BLEED WELL. CHECK FOR H2S. GUY RIG OUT FULLY. RIG UP PUMP & KILL LINE. CHANGE PIPE RAMS TO 2.375 INCH. CEMENT HOLE IN CELLAR. CLOSE IN WELL. OFFLOAD TBG FROM TRAILER.

10/20/95
OPEN WELL (NO PRESSURE). ND PROD TREE. NU CLASS II BOP & BOE. FUNCTION TEST. RIG UP WORKING FLOOR AND TBG EQUIPMENT. WORK PACKER LOOSE. ATTEMPT TO PUMP DOWN TBG PRESSURE 1500#. SMALL AMOUNT OF RETURNS BACK ATTEMPT TO PUMP DOWN CSG 1500# SAME RETURNS. PULL 3+0, ATTEMPT TO PUMP SAME RESULTS. CLOSE IN WELL.

10/23/95
OPEN WELL NO PRESSURE. WAIT ON HOT OIL TRUCK. PUMP 500 BBL HOT WATER DOWN TBG @ 1500#. FINAL PRESSURE 1000#. RIG UP RIG PUMP. PUMP 230 BBL L/W DOWN TBG @ 1100# 1 BPM. BLEED WELL. POOH W/22+0 2.375 INCH TBG. CLOSE IN WELL.

10/24/95
CONT POOH W/2.375 INCH N-80 TBG. PULLED 10+0 - 30 STANDS TOTAL. ATTEMPT TO CIRCULATE @ 400#. CONT MEASURING OUT 342 JTS TOTAL. LAY DOWN PACKER. PICK UP & MEASURE 25 JTS TBG W/STC ON BOTTOM. RIG W/60+0 CLOSE IN WELL.

10/25/95
OPEN WELL, NO PRESSURE. CONT RIH W/2.375 N-80 TBG. TAG FILL @ 10,900 FT. PULL TO 10,887 FT. CIRCULATE WELL. RIG UP CEMENTERS. TEST LINES 300# LOW AND 3000#. PUMP 5 BBL F/W AHEAD. MIX & PUMP 52 CU FT, 45 SX CLASS G CEMENT @ 1500#. DISPLACE WITH 60 BBL FIELD WATER. PULL 12+0. PUMP 20 BBL DOWN TBG. PULL 30+0. CLOSE IN WELL EST TOC @ 10,487.

10/26/95
OPEN WELL. RIH, TAG CMT @ 10360. PULL TO 9916 FT DUE TO HEAVY CRUDE. MIX & PUMP 50 BBL 9.7 PPG P&A MUD FROM 9916 TO 7800. PULL & LAY DOWN 110 JTS. REVERSE CIRCULATE. RIG UP CEMENTERS. TEST LINES, LOW 300# HIGH 3000#. MIX AND PUMP 13 CU FT, 11 SX CLASS G CMT DISPLACE WITH 31 BBL FIELD WATER. TBG TAIL @ 7826 FT. PULL LAY DOWN 5 JTS. REVERSE OUT. PULL 5+0. CLOSE IN WELL. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, WITNESSED & APPROVED TAG OF BOTTOM PLUG @ 10,360 FT. F. NEESE, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES APPRVD MUD UP FROM 9916 - 7800, 50 BBL DUE TO HEAVY CRUDE OIL.

10/27/95
OPEN WELL, NO PRESSURE. RIG UP CEMENTERS. TEST LINES 3003 LOW, 300# HIGH. MIX AND PUMP 79 BBL 9.7 PPG P&A MUD. POOH AND LAY DOWN 115 JTS 2.375 INCH N-80 TBG. CLOSE IN WELL.

10/30/95
OPEN WELL, NO PRESSURE. FOUND TBG STUCK, DUE TO MUD SETTING UP. RIG U

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 49, Sec. 19, T 4N, R 16W, S.B. B. & M.

A.P.I. No. 0403716514 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistan (President, Secretary or Agent)

Date 11/08, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrill or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amou of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

WELL RECORD CONTINUED: PG 2 OF 2

10/30/95
KFE WIRELINE. RIH W/1.625 JET CUTTER. CUT TBG FREE @ 4111 FT. REVERSE CIRCULATE EXCESS MUD OUT. PULL 3+0. RIG UP KFE, RIH, SHOOT 40 HOLES FROM 4090 TO 4100 FT, POOH. RIH W/3+0, TBG TAIL @ 4105. RIG UP FCI CEMENTERS. PUMP 5 BBL AHEAD AFTER TESTING LINES. MIX & PUMP 57 CU FT, 39 SX, CLASS G CEMENT W/4% GEL. DISPLACE WITH 14 BBL F/W. PULL 12+0. REVERSE CIRCULATE. SQUEEZE AWAY 4 BBL @ 850#. CLOSE IN WELL.

10/31/95
OPEN WELL, NO PRESSURE. RIH W/2.375 INCH TBG. TAG TOP OF PLUG @ 3816. PULL AND LAY DOWN 9 JTS. RIH W/4+0 RIG UP CEMENTERS. TEST LINES 300# LOW, 3000# HIGH. MIX AND PUMP 67 BBL 9.7 PPG P&A MUD FROM 3816 TO 800 FT. POOH, LAY DOWN 106 JTS 2.375 INCH TBG. REVERSE CIRCULATE. RIG UP KFE AND WITH TBG TAIL @ 627 FT, RIH W/LINK JET, SHOOT 80 HOLES FROM 7 TO 800 FT. POOH. RIH, TBG TAIL @ 813 FT. RIG UP CEMENTERS. TEST 1 # LOW, 1000# HIGH. MIX AND PUMP 369 CU FT, 247 SX, CLASS G CMT WITH 4% GEL FROM 813 TO SURFACE IN 5.5 AND 10.75 INCH CSGS. PULL & LAY DOWN 26 JTS 2.375 TBG. CLEAN BOP & TBG. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, F.M. NEESE, WITNESSED TAG @ 3816 FT AND PUMP 67 BBL MUD FROM 3816 TO 800 FT. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, F.M. NEESE, WITNESSED PLACEMENT OF SURFACE PLUG FROM 813'-SURFACE IN 5.5 & 10.75 CSG.

11/01/95
RDMO. SERVICE RIG AND EQUIPMENT. CLEAN TANKS, RIG DOWN, DRIVE RIG TO VENTURA YARD.

WELL IS PLUGGED TO SURFACE.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T295-184

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 6, 1995

Your operations at well "Newhall Land & Farming Co." 49, API No. 037-16514, Sec. 19, T. 4N, R. 16W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 10-31-95. Fariba Neese, representative of the supervisor, was present from 1400 to 1600. There were also present Ken Kennedy, Pool Services

Present condition of well: 10 3/4" cem 803'; 5 1/2" cem 10,928', Perfs 10,739'-10,740' (WSO), 10,795'-10,835', 10,856'-10,926'. TD 10,928'. Plugged w/cem 10,887'-10,360', 7826'-7676', 4105'-3816', 813'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

126
00
05-10-A

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

RECEIVED
AUG 26 1994
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #49 (Well designation), API No. 037-16514

Sec. 19, T. 4, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 8/15/94, 1994.

The present condition of the well is:

1. Total depth 10,928'

2. Complete casing record, including plugs and perforations
(Present hole)
10 3/4" 40.5# casing @ 0'-803'
5 1/2" 15.5/17/20# casing @ 0'-10,928'
WSO: 10,739', Perfs: 10,795'-10,926',

3. Last produced _____
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

OR

4. Last injected 12/88 1200
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Upper Oil or gas shows
Zone 10-A: 10,739'

6. Stratigraphic markers:

7. Formation and age at total depth: Del Valle

8. Base of fresh water sands: 803'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1. MIRU, install and test a DOG class II BOP.
2. RIH and clean out to bottom @ 10,928'.
3. Place class "G" cement plug from 10,928'-10,639', cementing to 100' above the top of the WSO @ 10,739' with TOC @ 10,639'.
4. Shoot the 5 1/2" casing with 4 spf @ 803'-793', pump and squeeze a class "G" cement plug to 100' above the base of freshwater @ 803' with TOC @ 703'.
5. Shoot 4 holes @ 100' in the 5 1/2" casing, pump and squeeze a class "G" cement plug from 100' to surface getting returns in casing/conductor annulus.
6. Cut off casing @ 5' and weld plate with well identifier, clean location. DOG will inspect.

- **Contact Reservoir Engineering, Isaiah Del Toro @ (915) 688-6639 with any questions regarding this procedure.**

DIVISION OF OIL AND GAS

Jan. 1996
FMN

STATE OF CALIFORNIA • RESOURCES AGENCY • DEPARTMENT OF CONSERVATION •

Memo for well file —

Abandonment completed in Nov '95. Surface plugs ok.

Final Surface inspection will be delayed until Spring/Summer

As per FMN/J. Dean Exxon Corp ... cellar cement removal to take place after lease roads are torn out.

SUFF. INSP. OK
5-3-96 MD

OG15 (6-82-DWRR-10M)

DIVI[illegible]N OF OIL, GAS, AND GEOTHERMAL R[illegible]OURCES
Cementing/Plugging Memo

T 595-184

Operator Exxon Corp, USA Well No. Newhall Land & Farming #49
API No. 037-16514 Sec. 19, T. [illegible], R. 16, S.B. B&M
Field Castaic Junction, County Los Angeles. On October 31, 1995,
Mr./Ms. [illegible], representative of the supervisor, was present from [illegible] to [illegible].
There were also present Ken Kennedy, Pool Services
Casing record of well: 10 3/4" cem. 803'; 5½" cem 10928', Perfs 10739-10740 (WSO), 10795-10835, 10856-10926'. TD 10928. Plugged w/cem 10987-10360, 7826-7676', 4105-3816, 813-5'.

The operations were performed for the purpose of abandonment

[X] The plugging/cementing operations as witnessed and reported are approved.

[ ] The location and hardness of the cement plug @ ____' are approved.

Hole size: ___" fr. ___' to ___', ___" to ___' & ___" to ___'

Casing				Cemented			Top of Fill		Squeezed	Final	
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing	Away	Press.	Perfs.
				[illegible]	[illegible]	[illegible]	4 bbl	[illegible]	[illegible]	[illegible]	[illegible]

Casing/tubing recovered: 5½" shot/cut at [illegible]', 780-800', ___' pulled fr. ___';
___" shot/cut at ___', ___', ___' pulled fr. ___'.
Junk (in hole): *Heavy Crude Oil Set @ 9916 to 10360; 2 7/8 Tbg [illegible] - [illegible]
Hole fluid (bailed to) at ___'. Witnessed by ___

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.7 PPG	10/26/95	50	from* 9916	-	to 7800	FMN
9.7 PPG	[illegible]/26/95	79	from [illegible]	-	to [illegible]	—
9.7 PPG	[illegible]/31/95	67	[illegible] 3916		[illegible] 800	[illegible]

Cleanout Depth to 10900' (Permit @ 10928')

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
10/25/95	52 ft3	EOT @ 10887'	—	Rpt.	10360'	Tag w/tbg.	10/26/95 0900	FMN
10/26/95	13 ft3	EOT @ 7826'	—	Rpt.	7676'	ETOC	—	[illegible]
10/30/95	57 ft3	*EOT @ 4105'	—	Rpt.	3316	Tag w/tbg.	10/31/95 0900	FMN
10/31/95	369 ft3	EOT @ 813'	1100	[illegible]	Returns	to Surface	10/31/95 1100	FMN

324 sx 1193 ft3 [illegible] x 10 3/4"

OGD10 (1/93/GSR1/5M)

Well File

EXXON COMPANY, U.S.A.
POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702-1600

MIDLAND PRODUCTION ORGANIZATION

OPERATIONS INTEGRITY

June 29, 1995

Castaic Junction Field
NL & F #49 (API No. 037-16514)
Section 19, T4N, R16W

Mr. Steven A. Fields
Division of Oil and Gas
1000 South Hill Road, Suite 116
Ventura, California 93003-4458

RECEIVED
JUL 05 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Dear Mr. Fields:

Per our discussion of June 28, 1995, please be advised that Exxon plans to inject fluids associated with Castaic Field well abandonment operations into the Newhall Land & Farming #49 injection well.

The injectant will be comprised of fluids associated with abandonment operations such as produced fluid, source water, plugging mud, cement waste water, annular fluids, and incidental amounts of chemicals used in the operation (e.g., scale and corrosion inhibitor, surfactants, etc.). In addition, Exxon will perform an injection survey upon commencement of injection operations, which we currently anticipate will begin during the third quarter of 1995.

We look forward to working with you in the future as we progress the abandonment plans. If you have any questions or require any additional information, please call me at 915-688-6172.

Sincerely,

Donna M. Bauer
Compliance Engineer

DMB:s
c:\data\uic\castaic.doc

RECY

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

NO. T295-120

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
July 21, 1995

Your operations at well "Newhall Land & Farming Co." 49, API No. 037-16514, Sec. 19, T. 4N, R. 16W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 7-20-95. Steve Mulqueen, representative of the supervisor, was present from 1000 to 1400. There were also present John Dean, Foreman

Present condition of well: 10 3/4" cem 803'; 5 1/2" cem 10,928', perf 10,740' WSO, perfs @ int 10,795'-10,926'. TD (present hole) 10,928'.

The operations were performed for the purpose of demonstrating that the injected fluid is confined to strata below 10,795'.

DECISION:

The Mechanical Integrity Test (MIT) is approved since it indicates that all of the injection fluid is confined the formations below 10,795' at this time.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____

Patrick J. ~~Kinnear~~
Deputy Supervisor

OG109 (Modified 1993)

State of California
Department of Conservation
Division of Oil, Gas, and Geothermal Resources

No. T 295-12

MECHANICAL INTEGRITY TEST (MIT)

Operator: EXXON CORP. Well designation: "NL&F" 49

Sec. 19, T. 4N, R. 16W, SB B.& M. API No.: 037-16514 Field: CHAFFEE JUNCTION

County: VENTURA Witnessed/Reviewed on: 7-20-95

STEVE MULQUEEN, representative of the supervisor, was present from 1000 to 1400.

Also present were: JOHN DEAN FORCHMAN

Casing record of the well: 10¾" cem. 803'. 5½" cem. 10928' perf 10740' WSO, perfs & int 10795' - 10926', TD (present hole) 10928'.

The MIT was performed for the purpose of (D) (5) 10795'

☒ The MIT is approved since it indicates that all of the injection fluid is confined to the formations below 10795 feet at this time.

☐ The MIT is not approved due to the following reasons: (specify)

Note: the well is permitted to take fluids used in drilling. SM

DEPARTMENT OF CONSERVATIO
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P294-199

PERMIT TO CONDUCT WELL OPERATIONS

126 (field code)
00 (area code)
-- (new pool code)
05 (old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
August 31, 1994

Your proposal to abandon well "Newhall Land & Farming Co." 49, A.P.I. No. 037-16514, Section 19, T. 4N, R. 16W, S.B. B.&M., Castaic Junction field, ---------- area, 10-A pool, Los Angeles County, dated 8/23/94, received 8/26/94, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOGGR Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,928'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   A. To witness the location and hardness of the cement plugs at 10,639' and 703'.
   B. To witness the mudding of the well.
   C. To witness the placing of cement inside the 5-1/2" casing and all annuli.
   D. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By

Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

STATE OF CALIFORNIA-RESOURCES AGENCY
GEORGE DEUKMEJIAN, *Governor*

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS
6401 TELEPHONE ROAD, SUITE 240
VENTURA, CALIFORNIA 93003-4458
(805) 654-4761

August 10, 1988

C. G. Lyons, Agent
Exxon Corp.
P. O. Box 5025
Thousand Oaks, CA 91359

Dear Mr. Lyons:

This is to remind you that compliance with your injection project permit requires that mechanical integrity tests (MIT) are conducted annual and that a copy of each survey profile be submitted to this office. However, the last MIT profile submitted to this office for wells referenced on the attached sheet indicates that the annual test is overdue.

To avoid further action from this office, an MIT must be conducted for those wells referenced before September 12, 1988. Prior to conducting the MIT, please contact this office so a division engineer may witness the surveys.

Sincerely,

Patrick J. Kinnear
Deputy Supervisor

Enclosure

cc: Project file

STATE OF CALIFORNIA-RESOURCES AGENCY

GEORGE DEUKMEJIAN, *Governor*

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS
6401 TELEPHONE ROAD, SUITE 240
VENTURA, CALIFORNIA 93003-4458
(805) 654-4761

May 14, 1986

C. G. Lyons, Agent
EXXON CORPORATION
P.O. Box D.O.
Ventura, CA 93002

RE: INJECTIVITY TESTS
Castaic Junction
10-A Zone

Dear Mr. Lyons:

In response to your request, approval is hereby granted for EXXON Corporation to conduct injectivity tests in the 10-A zone in well "N.L.& F." 49, Section 19, T.4N.,R.16W., S.B.B.&M.. The testing period shall terminate by June 30, 1986 and surface injection pressures shall not exceed 3800 psi.

Injection rates and pressures shall be reported monthly to this office on our Form 110B, a supply of which is enclosed. These forms should be sent to this district office and should not be included in your regular monthly 110 report to our Sacramento office.

If you have any questions concerning the testing or reporting procedures, please contact me.

Sincerely,

Michael Stettner

Michael Stettner
Associate Engineer

MS:ljg
encl

FORM 105

037-16541

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

NOV 23 1955

LOS ANGELES, CALIFORNIA

1X

CORRECTED NOTICE

Los Angeles Calif. November 18, 1955

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. Newhall Land & Farming Co. No. 49 Proj., Sec. 19, T 4-N, R 16-W, S.B.B. & M., Castaic Junction Field, Los Angeles County.

Legal description of mineral right lease, consisting of 3096.7 acres, is as follows: (Attach map or plat to scale)

See attached Plat

Do mineral and surface leases coincide? Yes X No ..... If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of Well: 4514 feet South (Direction) and 15,111 feet East (Direction) from corner 11

Rancho San Francisco, Los Angeles County, California

Elevation of ground above sea level ..... feet To be submitted later datum.

All depth measurements taken from top of Kelly Bushing which is 12 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
10-3/4	40.5	J-55	0	800	Cemented to surface
5-1/2	15½, 17 & 20	J-55 & N-80	0	10,900	Cemented 1000' above shoe

Intended zone or zones of completion: Zone 10 (Name) 10,700 - 10,900 (Depth, top and bottom)

Estimated total depth 10,900

MAP	CARDS	BOND	FORMS 114	FORMS 121
Corr.	6GC			

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address 612 South Flower Street
Los Angeles 17, California

Humble Oil & Refining Company
(Name of Operator)

Telephone Number MAdison 6-7701

By M M Owen

Type of Organization (Corporation, [redacted].)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura , California
May 19, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 1, A.P.I. No. 037-16472 Section 23, T. 4N, R. 17W, SB B.&M., Castaic Junction field Los Angeles County, dated October 15, 1993, received October 22, 1993 has been examined in conjunction with operations witnessed and records file in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR Exxon Corp
WELL NO. "Denham Land & Farming Co." 1
MAP

INTENTION	ABANDON	Supp. Add.				
NOTICE DATED	10-29-92	10-15-93				
P-REPORT NUMBER	292-319	293-303				
CHECKED BY/DATE		9M				
MAP LETTER DATED		2-10-94				
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	11-4-92		10-29-92									
HISTORY			2-2-94									
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.						
DRILL CARD						

RECORD'S COMPLETE _____ 2-15-94 SM _____ _____ _____ _____

FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

INJECTION BOOK _____
IDLE WELL LIST _____
SURFACE INSP. CARD _____

REMARKS: Susp. OK 2-15-94 SM

OK TO RELEASE FROM CONFIDENTIAL _____
ABANDONED-REMOVED FROM E.D.P. _____

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T294-43

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
February 15, 1994

Your operations at well "Newhall Land & Farming Co." 1, API No. 037-16472, Sec. 23, T. 4N, R. 17W, S.B. B.&M. Castaic Juncion Field, in Los Angeles County, were witnessed on 12-28-93. Steve Mulqueen, representative of the supervisor, was present from 0800 to 1100. There were also present C. Ballard, Operator's Rep.
Present condition of well: 20" cem 70'; 13 3/8" cem 1591'; 7" cem 11,792', perf 11,608' WSO, cp 100' & 1570', perfs 11,636'-11,778'. TD 11,952'. Plugged w/ cem 11,952'-11,783', 11,634'- 10,702', 1617'-1452' & 124'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

scv

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear
Deputy Supervisor

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

T24-4S

Operator Exxon Corp. Well No. "Newhall Land & Farming Co" 1
API No. 037-16472 Sec. 23, T. 4N, R. 17W, SB B&M
Field Castaic Jct, County LA. On 12-28-93,
Mr./Ms. S. MULQUEEN, representative of the supervisor, was present from 0800 to //
There were also present C. Ballard operator's rep.
Casing record of well: 20" cem 70'; 13 3/8" cem 1591'; 7" cem 11792', perf 11608' WSO, sp 100' & 1570' perfs 11636'-11778'; TD 11952'. Plugged w/ cem 11952'-11783', 11634'-10702', 1617'-1452' + 124'-5'.
The operations were performed for the purpose of abandonment

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.
☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
7"				12-27	TBG @ 1617' BRADEN HD.	99 sx	—	1452'	78 cf		1570'-1590'
7"				12-28	TBG @ 124'	113 cf	5'	5'	—		100'-102'

Casing/tubing recovered: 7 " shot/cut at 1570' (PERFORATE), 1590', _____' pulled fr. _____';
7 " shot/cut at 100' (P), 102', _____' pulled fr. _____'.

Junk (in hole):
Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
10 # gel	12-22-93	345	to 11,702	—	to 1584'	DRW

CO 11,686'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
12/22	128 cf	tbg 11,634	—	1914	10,702	6K tbg	12-23 1800	DRW
12/27	99 sx	TBG @ 1617'	—	"	1452	ALL TBG WEIGHT	11/28 0830	S. MULQUEEN
12/28	113 cf	TBG @ 124'	1030	S. MULQUEEN	5'	VISUAL	12/28 1100	"

Pressure tested csg 10,702'-sfc w/ 750 psi, 10 min

OGD10 (10/90/GSR1/5M)

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

RECEIVED
JAN 21 1994
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

23-4-17

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles

Well Newhall Land & Farming Co. 1 Sec. 8, T 4N, R 16W, S.B. B. & M.

A.P.I. No. 037-16472 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assist. (President, Secretary or Agent)

Date January 14, 19 94. Signature Julie H. Mitchell

Environmental and Regulatory Affairs, PO Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
12/09/93	Move in rig up. Guy rig out, rig up tubing racking platform, rig up blow down line.
12/10/93	Rig up hard line, pump hoses to rig pump. Rig up plate steel on tubing platform and weld tubing basket to platform. Make stand from outrigger and weld on well. Hook up pump hoses to line coil tubing and 2-7/8 inch tubing. Pump down line coil tubing (plug). Pump down 2-7/8 inch tubing. Pump 2 barrels (pressure up). Rig up pump hose to 7 inch casing. Casing pressure 950 psi. Bled down 7 inch casing to blow down tank. Fill 7 inch casing with 150 barrels water. Latch on liner coil tubing. Remove packer, pull coil tubing, found cut at master valve. Recover 4 foot piece. Ran in hole with 1-3/4 inch jars on sand line. Tag up @ 13 feet. Pull out of hole, close in well.
12/11/93	Check well, tubing 0 psi, casing 250 psi. Bleed casing, fill well with 5 barrels fresh water. Fill tubing with 1 barrel fresh water. Well dead. Nipple down production tree. Nipple up Class III BOP and BOE, tested okay. Rig up working floor and tubing equipment. Close well in due to bad weather.

RECEIVED
JAN 21 1994
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

12/13/93 Open well, no pressure. Work stuck tubing. Rotate and work to 110,000#. Tubing parted after 20 minutes @ 110,000 approximately 90 feet down 2-7/8 tubing. Make up line grapple on 1-3/16 overshot. Ran in hole to 29 feet latch on 1 inch coil tubing. Pull up. Wait on coil tubing unit. Pull up on coil tubing. Parted @ 11000#. Fish tubing with comb overshots 4 times. Parted all 4 times - 1 inch to 4 inch. Lay down fishing tool and rod subs. Raise floor and haul in 3500 feet 1-1/4 inch tubing. Close well in.

12/14/93 Open well (no psi). Make up 1-5/16 inch overshot with line grapple. Ran in hole with 6 joints 1-1/4 inch tubing. Pull coil tubing. Parted. Pull out of hole standing back 1-1/4 inch tubing. Pull line tubing out bottom of stand, cutting tubing. Recovered about 240 feet. Make up 5-3/4 X 3-1/16 inch overshot on 2-7/8 inch tubing. Ran in hole to 180 feet. Latch on fish. Rig up for 1-1/4 BOP. Make up overshot with line grapple. Ran in hole to 180 feet. Could not get 2-7/8 inch tubing. Pull out of hole, close in well.

12/15/93 Open well, no pressure. Rig up Dia-Log. Ran in hole with 1-11/16 sinker bars and 2-1/8 chemical cutter to 178 feet. Could not get in fish. Pull out of hole. Ran in hole with 1-3/8 sinker bars, could not get in fish. Pull out of hole. Ran in hole with line sinker bar. Could get in fish. Rig out Dia-Log. Work 2-7/8 tubing, tubing moved 20 feet. Work tubing free - 2 hours @ 10000#. String weight 94000#. Pull out of hole to 5-3/4 inch fishing tool. Lay down tools. Lay down 6 joints 1-1/4 inch in derrick. Fill casing with 1 barrel fresh water. Rig up plastic around working floor. Pull out of hole, wet with 2-7/8 inch and 1 inch tubing. Lay down 60 feet in ct and 2 joints 2-7/8 inch tubing. Close in well.

12/16/93 Open well, no pressure. Continue laying down and cutting line coil tubing while pulling out of hole with 2-7/8 inch N-80 tubing, wet with water. Pull 35+0 stands. Came to mud. Rig up tubing basket and skid to lay down all tubing. Lay down 3 joints in H&H tank. Close in well.

12/17/93 Open well, no pressure. Continue pulling out of hole laying down 2-7/8 N-80 tubing with 1 inch coil tubing inside, wet with mud inside H&H tubing transfer tank. Fill casing with 30 barrels fresh water. Displace for 3937 feet, tubing is 24-1/2 barrel, well took 5 barrels. Lay down 62 joints, haul trailer to pipe yard. Unload tubing on racks.

12/18/93 Open well, no pressure. Continue pulling out of hole laying down 2-7/8 inch tubing with line coil tubing inside wet with mud. Lay down 80 joints. Fill well with 20 barrels tubing displacement 16 barrels. Close in well.

12/19/93 Open well, no pressure. Continue pulling out of hole with 2-7/8 inch N-80 tubing with line coil tubing inside and wet with mud. Stand back 26+0 laying down line out bottom. Came to heavy mud, start laying down singles in tubing bagkit on trailer. Lay down 25 joints. Fill well with 20 barrels displacement of tubing is 17 barrels. Close in well.

12/20/93 Open well, no pressure. Continue pulling out of hole with 2-7/8 inch N-80 tubing with line coil tubing inside and wet with mud. Lay down 53 joints and stand back 40+0. Pipe very tight. Lay down packer and perforated stub. Ran in hole with 10+0 stand kill string. Close in well.

12/21/93 Open well, no pressure. Lower working floor. Clean floor and working area. Measure in hole with 67 stands, 134 joints out of derrick. Circulate out mud every 40 joints. Due to heavy mud in tubing, lay down 18 joints bad tubing. Measure and pick up 382 joints tubing (work string). With tubing tail @ 10800 feet, reverse circulate well. Ran in hole, tag @ 11686 feet. Pull to 11364 - 300. Break circulation @ 2700# @ 1.3 barrels per minute. Ran in hole back to 11674. Rig up Halliburton. Circulate well @ 2500# @ 1.5 barrels per minute. Formation taking water. Close well in.

12/22/93 Continue pumping well with Halliburton. Circulate heavy mud out of casing. Surface equipment plugging up with mud. Pumped 1000 barrels fresh water. Recover 375 barrels mud and water due to weak zone. Well cleaned up. Mix and pump 128 cubic feet, 91 sacks class G cement @ 1400# maximum. Displace with 61 barrels fresh water. Pull 40 joints to 10434 feet. Cement from 11674 to 10674 estimated. Reverse out 40 minutes. Wait on cement for 5 hours. Ran in hole tag cement @ 10702 feet, okay. Test 7 inch casing from 10702 t surface @ 500# for 5 minutes, okay. Rig to pump 9.7 ppg P&H mud. Circulate 400 barrels mud. Pull out of hole with 11+0 stands. Close in well. Steve Field, Div of Oil and Gas, gave verbal approval to pump 1000# cement plug from 11674 to 10674. Peter R. Wygle, Div of Oil and Gas, witnessed and approved tag of plug @ 10702 feet, pressure test casing and mud operations from 10702 to 1590 feet.

12/23/93 Open well, no pressure. Continue laying down 2-7/8 inch N-80 workstring. Lay down 170 joints. Close in well.

12/27/93 Open well, no pressure. Continue laying down 2-7/8 inch N-80 work string. Lay down 40 joints. Had to lay down 134 joints 2-7/8 inch N-80 junk pipe. Had to lay down 40 joints in doubles because of tight pipe. Fill hole with 30 barrels 9.7 ppg P&A mud. Rig up kill line to 10-3/4 inch casing. Bleed casing 10-3/4 inch. Rig up MMI, ran in hole with 20 feet perf gun, 4 shots per foot. Shoot hole from 1570 to 1590 feet. Pull out of hole circulate 60 barrels mud down 7 inch and up 10-3/4 casing. Ran in hole with 54 joints 2-7/8 inch tubing. With tubing tail @ 1617 feet, rig up Halliburton. Test lines. Mix and pump 114 cubic feet, 99 sacks neat cement down 2-7/8 inch tubing and up 10-3/4 casing. Displace with 8 barrels lease water. Open 7 inch casing to gravitate in cement. Pull out of hole with 2-7/8 tubing. Rig up MMI, ran in hole with 2 inch perf gun 4 shots per foot to 100 feet. Shoot from 100 to 102 feet, pull out of hole. Close in well.

12/28/93 Open well. Ran in hole, tag cement @ 1452 feet. Pull out of hole laying down 50 joints 2-7/8 tubing. Rig up Halliburton with tubing tail @ 124 feet. Mix and pump 109 cubic feet, 95 sacks, neat cement down 2-7/8, up 7 & 10-3/4 inch casing to surface. Pull out of hole laying down 4 joints. Clean up BOPE and working floor and tubing equipment. Nipple down BOP, load out BOP. Rig out pump and miscellaneous equipment. Load out BOE. Load out 100 joints junk tubing. Cut 30 stands of tubing in half. Clean out Baker tank and mud pit. Stephen Mulqueen, Div of Oil and Gas, witnessed tag of bfw plug @ 1452 feet and approved placement of surface plug from 124 to surface in 7 inch and 10-3/4 inch annulus.

12/29/93 Rig down move out. Load out junk 2-7/8 tubing. Haul rig and tubing to upper lease. Off load tubing, return to location, load up flow lines and miscellaneous equipment. Load up rig mats.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

NO. P293-393

PERMIT TO CONDUCT WELL OPERATIONS

126
(field code)
00
(area code)
--
(new pool code)
00
(old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
October 25, 1993

Your supplementary proposal to abandon well "Newhall Land & Farming Co." 1, A.P.I. No. 037-16472, Section 23, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ---- area, Main pool, Los Angeles County, dated 10/15/93, received 10/22/93, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Requirements specified in permit No. P292-319 dated November, 1993 shall apply.

Fields/Kennedy
c/o 00 11,674
OK

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

SUPPLEMENTARY NOTICE

FOR DIVISION USE ONLY			
BOND	FORMS		EDP WELL
	OGD114	OGD121	FILE
BBT —		✓	

A notice to the Division of Oil and Gas dated October 29, 19 92, stating the intention to

abandon (Drill, rework, abandon) well "Newhall Land & Farming Co." 1 (Well designation), API No. 037-16472,

Sec. 23, T. 4N, R. 17W, S.B. B.& M., Castaic Junction Field,

Kern County, should be amended because of changed conditions.

1. The complete casing record of the well (present hole), including plugs and perforations, is as follows:

2. The total depth is: _____ feet. The effective depth is: _____ feet.

3. Present completion zone (s): _____ (Name). Anticipated completion zone (s): _____ (Name).

4. Present zone pressure: _____ psi. Anticipated/existing new zone pressure: _____ psi.

We now propose: *(A complete program is preferred and may be attached.)*

Please extend P292-319 dated November 6, 1992 for one year.

RECEIVED
OCT 20 1993
DIVISION OF OIL & GAS
BAKERSFIELD

DIVISION OF OIL AND GAS
RECEIVED
OCT 21 1993
VENTURA, CALIFORNIA

Note: If the well is to be redrilled, show proposed bottom-hole coordinates and estimated true vertical depth.
The Division must be notified if changes to this plan become necessary.

Name of Operator	Telephone Number	
Exxon Corporation	915/688-7888	
Address: P.O. Box 1600 ML 14	City: Midland, TX	Zip Code: 79702
Name of Person Filing Notice: Julie H. Mitchell	Signature: Julie H. Mitchell	Date: 10/15/93

File In Duplicate

OG123 (3/90/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-319
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 25

PERMIT TO CONDUCT WELL OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 6, 1992

Your ____ proposal to abandon well "Newhall Land & Farming Co." 1, A.P.I. No. 037-16472, Section 23, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, --- area, Main pool, Los Angeles County, dated 10-29-92, received 11-04-92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 11,778'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. The cement plug proposed to be placed from 11,783' to 11,783' extends from 11,783' to at least 11,508'
6. The well shall be plugged with cement from 324' to 224'to cover a high pressure water zone encountered during drilling.

Blanket Bond
SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.,
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

7. This office shall be consulted before deviating from the proposed abandonment program.
8. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 11,508' and 1470'.
   b. To witness the mudding of the well.
   c. To witness the placing of the surface plug or to verify its location.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

DIVISION OF OIL AND GAS
RECEIVED
NOV 0 4 1992
VENTURA, CALIFORNIA

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
/	BB	11-4-92	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land & Farming Co 1 (Well designation), API No. 037-16472

Sec. 8, T. 4N, R. 16W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 10/26, 19 92.

The present condition of the well is:

1. Total depth 11952'

2. Complete casing record, including plugs and perforations
   20" 48# conductor 0'-70'
   13 3/8" 54.5# csg 0'-1591'
   7" 23/26/29/32# csg 0'-11952'
   perfs: 11636'-11744' (4 SPF)
   11670'-11778' (8 SPF)
   Botttom Hole Plug 11,952'-11,783'

3. Last produced 1986 (Date) 1 (Oil, B/D) 60 (Water, B/D) 5 (Gas, Mcf/D)

   OR

4. Last injected _____ (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost productive zone:

   Top of 10 Sand: 10,630'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 1580'

The proposed work is as follows:

1. MIRU. Install and test a DOG class III 5M BOPE.
2. Clean out to the bottom of the 7" casing 11,783'.
3. Place a Class "G" cement plug from 11783'-11536'. DOG to witness.
4. Shoot 20'of 4 SPF @ 1590-1570', place class "G" cement plug from 1590' to 1470' to cover fresh water base. DOG to witness.
5. Shoot 4 holes @ 100'. Circulate cement plug from 100' to surface getting returns in casing/conductor annulus.
6. Cut off casing @ 5' and weld plate with well identifier.
8. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive P.O. Box 1600 (Street)
Midland, TX 79702 (City) (State) (Zip)
Telephone Number 915-688-7888

Exxon Corp. (Name of Operator)
By Judy M. Bagwell (Name-Printed)
Judy Bagwell 10-29-92 (Name-Signature) (Date)
Type of Organization Corporation

Forms\Abandon.DOG

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
NOV - 1 1978
SANTA PAULA, CALIFORNIA

History of Oil or Gas Well

Operator EXXON CORPORATION Field or County Castaic Junction
Well "Newhall Land & Farming Co." 1, Sec. 23, T 4N, R 17W, S.B. & M.
A.P.I. No. 037-16472 Name E. L. McBee (Person submitting report) Title Operations Supt (President, Secretary or Agent)
Date October 20, 1978

Signature M. E. McBee

2755 Orange Avenue, Long Beach, CA 90807 (Address) (213) 426-8844 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
9-1-76	MIRU. Installed lubricator and perforated with 2 spf from 11,744' to 11,636' using 2-1/8" link jet gun. Tagged bottom at 11,764' prior to perforating. Hit fluid at 6300' on first perf run and fluid at 3500' on last run. Had no pressure on tbg.
9-2-76	Well shut-in for 12 hrs with 250# tbg pressure. Opened well to tank. Flowed 1 Bbl of oil to tank in 30 min then died. Shut-in to pressure back up.
3-76	Shut in for 20 hrs. Tbg pressure 450#. Opened to tank and bled to zero in 15 min (no fluid).
9-4-76	Pressured up with gas lift gas to 1,425#. Shut in for 20 hrs. Opened well to tank and bled to zero in 22 min (no fluid). Shut-in pressure 550#.
9-5-76	Well shut-in.

FORM 105.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

037-16472

Notice of Intention to Drill New Well

This notice must be given and surety bond filed before drilling begins

Los Angeles Calif. July 18 1949

DIVISION OF OIL AND GAS

Los Angeles Calif.

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of drilling well No. "Newhall Land & Farming Company" #1 Projected, Sec. 23, T. 4-N, R. 17-W, S. B. B. & M., Wildcat Field, Los Angeles County.

Legal description of lease See sketch attached

The well is 380.87 feet ~~N. or~~ S., and 7143.26 feet E. ~~or W.~~ from Corner No. 11 Rancho San Francisco Los Angeles County, Calif.
(Give location in distance from section corners or other corners of legal subdivision)

Elevation of ground above sea level 952 feet.

All depth measurements taken from top of Rotary Drive Bushings, which is 10 (Est.) feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 9700 feet.

We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	Grade and Type	Depth	Landed or Cemented
13-3/8	54.50	J-55 SS	1500	Cemented
7	26.0	S-95 EW	9700	Cemented

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
	P.W.B.				

Well is to be drilled with rotary ~~cable~~ tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

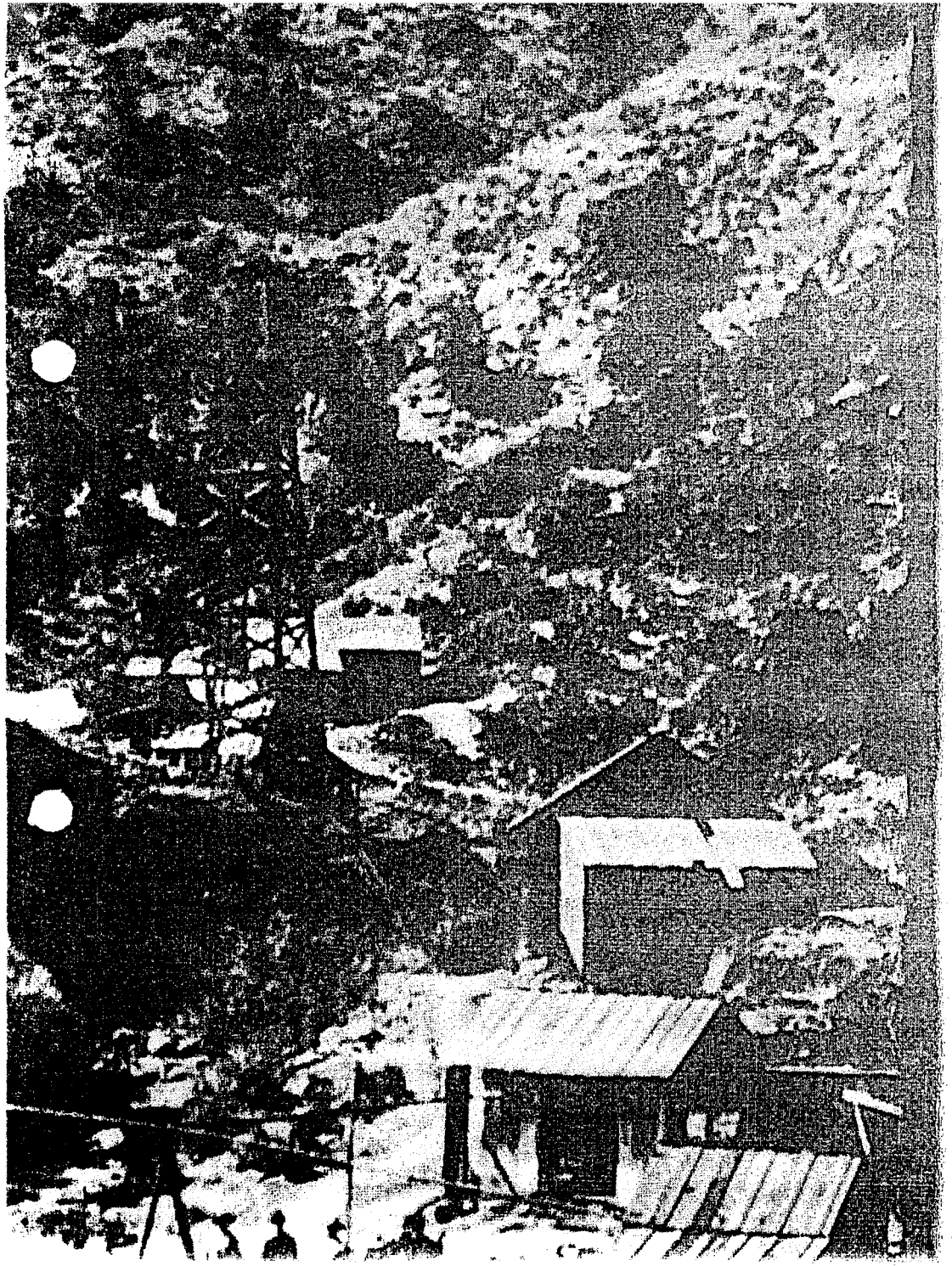
Address 612 South Flower Street
Los Angeles 14, California

Telephone number Madison 6-7701

Humble Oil & Refining Company
(Name of Operator)

By
District Superintendent

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED



20

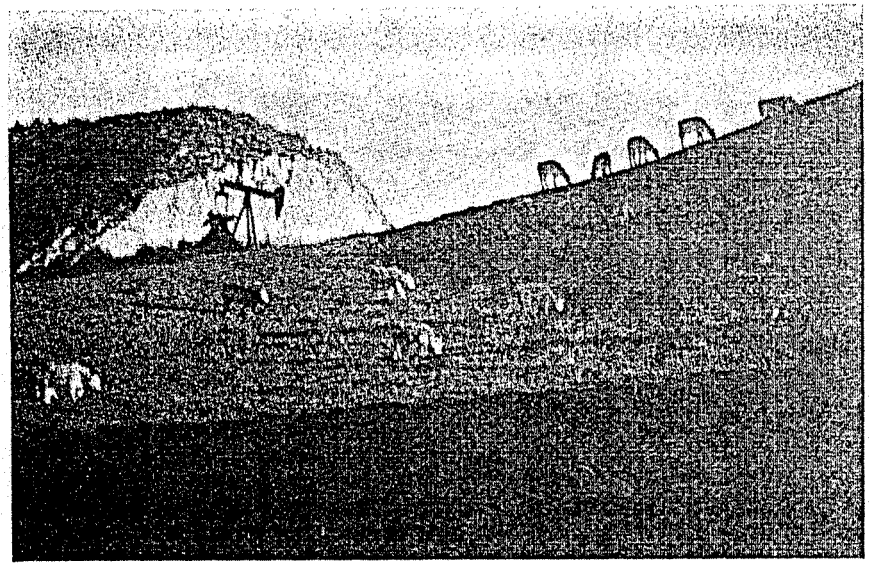
Treasure Trove

#1 mentioned

Atholl McBean had every reason to feel pleased with himself. He had turned the corner to success in his effort to make The Newhall Land and Farming Company a profitable business. The planning and hard work and creative management that McBean had applied to the company had proved themselves. The books that became Jim Finch's province were those of a healthy corporation. In 1935, the year that Finch settled into his office in the orange groves, prospects were brightening.

For McBean, who was not a Newhall stockholder and who had a handsome income of his own, it was not significant to his way of life whether or not the Newhall companies paid dividends. But for various members of the Newhall family, the cessation of dividends in 1933 had meant abandoning a well-cushioned lifestyle and trying to find a way in an unfamiliar world. Homes at the beach or on the shores of Lake Tahoe went on banks' for-sale lists. Teenagers who had assumed they would go to Yale or Stanford found themselves behind sales counters or in ships' engine rooms or greasing machinery or running tractors. They had a chance to see life as they had never seen it.

Opposite: Pico Canyon.



There is a Texas saying: "Nothing fattens a steer so much as standing in the shade of an oil well." These steers on the Newhall Ranch may not have been fattened by the well at left center, but their owners were. Note that well shapes had changed since those drilled sixty years earlier in Pico Canyon (page 138).

McBean was anxious to start the dividends going again, as a badge of success. In June 1935, McBean informed the directors that possibly, if company affairs continued to improve, the following year would see dividends resumed on a modest basis. Seven months later, when the annual audit proved that the company had indeed made more than $100,000, the Newhall family stockholders found dividend checks in the mail.

Then came the unexpected event.

One of the continual minor sources of income over the years had been lease monies paid by various oil companies for rights to drill on the ranches, especially the Rancho San Francisco. The oil companies were aware that the first oil discovery in western America had been made in 1876 in Pico Canyon, less than a mile from the southern border of the Rancho San Francisco. And the tarry asphaltum seepage from the ranch's hillsides, used by the Indians of the region to waterproof their baskets, had led many people to believe that oil lay just under the surface. There had been oil discoveries in Placerita Canyon and other areas not far outside the ranch boundaries. Over the years, some

fifty different companies had leased Newhall land. Most of the leases had expired without any exploration, but both Union Oil and Associated Oil had drilled to 5,000 feet without success. Mayo Newhall, writing a history of the company as its president in 1928, said, "There is no indication that this ranch is an oil property."

In January 1935, McBean was called on by Patrick Calhoun, who had a distant relationship-by-marriage with the Almer Newhall family. Because of this connection, Calhoun, a retired corporation lawyer, had been assigned by the Barnsdall Oil Company to try to negotiate an oil lease for them on the Rancho San Francisco. He was then 80 years old, a striking Southern gentleman with a white mustache and erect bearing, who matched McBean in height and presence. He had come west from his native Louisiana, founded the Market Street Railway Company in San Francisco, had been deeply embroiled in politics, and had made and lost several fortunes. He bemoaned the fact that, at his age, he had nothing to leave his seven children and his many grandchildren. He told McBean that he felt his next fortune lay under the Newhall Ranch in the form of oil, which would bring a matching fortune to the Newhalls.

McBean was reluctant to sign another lease. However, the land that interested the Barnsdall Company was high in the Potrero hills—the grazing land near the Ventura County end of the ranch, far from any proposed agriculture or other development. McBean got the directors' concurrence to the lease in February 1935. It provided for a 12.5 percent royalty for Newhall Land.

News of the lease spread through the petroleum community, and a group of Los Angeles investors approached McBean with the offer to buy half the anticipated royalties—6.25 percent of the oil produced—for $40,000. That sum sounded handsome at the time, and McBean went to the experts for advice. Geologist Harry Johnson, whose instincts for productive oil land were highly regarded, was hired to look over the terrain and advise as to whether a sure $40,000 might be better than the chances on still-unseen petroleum. Johnson came back from his investigations with the report that he could assure nothing but that he held high hopes for Potrero Canyon as an oil site. McBean decided to take the risk and keep the whole royalty on the Barnsdall exploration.

It was a year and a half after the lease was signed—August 10, 1936—that the Barnsdall equipment was finally in place, and a drill bit cut into the rough brushy ground in Potrero Canyon. The hole under the drill shaft was christened Rancho San Francisco No. 1, or RSF 1. On December 23, the family got their Christmas present: RSF 1 had hit oil sands at 6,100 feet. Though oil

was not yet flowing, the prospects were excellent. The Newhall Land and Farming Company declared a Christmas dividend. The hard days were over.

Steady production began the following March 22, when RSF1 flowed 118 barrels a day, a good average yield. It later was deepened twice, and each time, production was increased. Within the ensuing months, a second well produced 631 barrels a day. The Potrero was a major field. Petroleum engineers and geologists joined the Newhall staff. In 1944, Barnsdall drilled its forty-fourth well nearly a mile deeper than RSF1 and found a new pool. RSF66 in 1946 went more than three miles into the earth. It became one of the world's deepest producing wells and opened still another pool.

After the Barnsdall discovery, the rush was on for leases on the ranch. One of the new lessees, the Humble Oil Company of Texas, had drilled thirteen dry holes in Southern California, with only one minor strike of less-than-commercial value. Humble took a lease in 1948 just west of Castaic Junction near where the Indians had found their asphaltum. They set their drill into the dry bed of the Santa Clara River. At a depth of 225 feet, they hit a fine artesian spring, which was welcomed for irrigating the ranch. Drilling continued, and in January 1950, the bit struck oil. It was a modest but satisfactory find, and Humble promptly leased more land. Seven other wells were drilled over the next two years. The seventh came in at the rate of 704 barrels a day—the major California discovery of the year.

At every meeting, the company's board of directors was asked to approve new oil and gas leases as producers flocked onto the ranch. McBean regretted the liberal terms he had given Calhoun for the Barnsdall lease, with a majority of the royalties accruing to Calhoun rather than Newhall. McBean, like his predecessors, had believed that oil drilling on the ranch was a futile exercise. His later appointment of Jim Finch, the company's most expert and penny-wise negotiator, to take over the company's petroleum division was assurance that there would be no more giveaways.

McBean was not content simply to strike unexpected riches. He explored every opportunity of making the most of them. At the time, oil technology could extract about 15 percent of the underground deposits. Through his Standard Oil contacts, McBean heard that better systems had been developed. He hired oil engineer Ernest Parks to study the matter and learned that if the gas that comes from an oil well is reapplied under pressure, the well's yield could be increased to around 50 percent or a little more. As soon as the war ended and materials were available, both Barnsdall and Humble built huge repressuring plants in their hilly fields. Petroleum production leaped.

The oil profits multiplied and presently became the major source of Newhall Land and Farming Company income. As family members rejoiced, McBean announced dourly at stockholders' meetings: "That oil money is not for diamonds and mink coats. It is for investment. One day soon the oil will be gone." McBean pointed to federal tax law, which gave owners of oil-producing properties a 26 percent depletion allowance—presumably to replace their depleted properties. He intended to use it for that purpose.

He eagerly looked for land investments. There seemed to be no end to growth of the company fortunes. New directions lay ahead to be explored, and now there was money on hand with which to explore them.

From the book:

Newhall, Ruth Waldo, "A CALIFORNIA LEGEND – The Newhall Land and Farming Company", published by the Newhall Land and Farming Co., 1992. Chapter 20, "Treasure Trove", pages 139 – 143.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California
August 22, 1991

L.R. Howard, Agent
EXXON San Joaquin Production Co.
P.O. Box 5025
Thousand Oaks, CA. 91359

Your report of abandonment of well "Newhall Land & Farming Co." 46, A.P.I. No. 037-16512, Section 23, T. 4N, R. 17W, SB B.&M., Castaic Junction field, Los Angeles County, dated 3-11-91, received 3-15-91, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.

bb

253 BH 8/6/91 — BB ✓ — ✓

cc: Conservation Committee
Update

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear, Deputy Supervisor

OG159

OPERATOR
WELL NO. "NL+F" [illegible]
MAP

INTENTION	Add					
NOTICE DATED	12-10-90					
P-REPORT NUMBER	2[illegible]					
CHECKED BY/DATE						
MAP LETTER DATED	3-28-91					
SYMBOL	[illegible]					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	3-10-90											
HISTORY	3-28-91											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.	3-16-91					
DRILL CARD						

RECORD'S COMPLETE BJ

Removed fr edp 2/91

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD
DATE RELEASED FROM CONFIDENTIAL

REMARKS:

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T291- 53

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
February 21, 1991

Your operations at well "Newhall Land & Farming Co." 46, API No. 037-16512, Sec. 23, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 2/19/91. Steve Mulqueen, representative of the supervisor, was present from 1230 to 1430. There were also present Ken Kennedy.

Present condition of well: 10 3/4" cem 815'; 5 1/2" cem 10785', perf 10560' WSO, perfs 800'-820', perfs @ int 10560'-10705'. Junk below 7867'. TD 10800'. Bp 10690'. Plugged w/cem 10800'-10739', 7870'-7539' & 820'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

ljg

SUMF INSP OF 8/16/91 B. HESSON

M.G. MEFFERD, State Oil and Gas Supervisor
By Patrick J. Kinnear
Deputy Supervisor

OG109

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

ORIGINAL

DIVISION OF OIL AND GAS
RECEIVED
MAR 15 1991
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Company, U. S. A. Field Castaic (Juncture) County Los Angeles
Well Newhall Land & Farming # 46 Sec. 23, T 4N, R 17W, SB B. & M.
A.P.I. No. 037-16512 Name Scott S. King (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date 3/11, 1991

Signature JRS

P. O. Box 5025, Thousand Oaks, California 91359 (805)494-2000
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

1/23/91 Moved in and rigged up. Installed guylines. Rigged up pump and Baker tanks. Opened well, tubing pressure 180 psi and casing pressure 50 psi. rigged up Coast wireline and RIH with 1-1/2" sample bailer, tagged bottom at 10,673'. POOH. RIH with 1.91 cage ring to 120'. POOH. RIH with 2" tubing plug, unable to set at 100'. POOH, found wax on plug. Rigged out Coast wireline. Closed in well.

1/24/91 Opened well, tubing pressure 180 psi, casing pressure 50 psi and 50 psi on 10-3/4" annulus. Rigged up Coast wireline. RIH attempting to clean wax out of well. RIH with 2" tubing plug to 90', unable to set plug. POOH and rigged out Coast wireline. Pumped 1/2 bbl of lease water down tubing at 500 psi. Pressure 5-1/2" to 500 psi. Bled down well. Removed top flange and installed 2-3/8" 8RD flange. Removed flange bolts; well started flowing, 1/2" stream of water. Installed flange bolts after 45 minutes. Closed in well.

1/25/91 Opened well, pressure on tubing 95 psi, casing pressure 0, and 50 psi on 10-3/4" annulus. Picked up 6 joints of 1" tubing. Rigged up BOP on top of production tree. RIH. Rigged up vacuum truck with 30 bbls of hot water and circulated well. POOH. Rigged up Coast. RIH with scraper. POOH. RIH with 2" tubing plug, no good. Rigged out Coast. RIH with 1" tubing. Rigged up de-waxing tools. Pumped 30 bbls of hot water (200°) down tubing. POOH. Rigged up Coast and RIH with 2" tubing plug and set at 160'. POOH. Rigged down Coast wireline. Removed production tree. Installed and function tested Class II 5000# BOP and BOE. Rigged up work floor and tubing equipment. Closed in well.

ORIGINAL

1/26/91
through
1/27/91 No well work.

1/28/91 Opened well. Worked tubing. Rigged up Coast wireline. RIH and pulled plug at 160'. Rigged out Coast. Worked stuck tubing at 85,000# tension, no movement. Pumped down tubing at 2000 psi and bled tubing. Closed in well.

1/29/91 Opened well. Tubing pressure 75 psi, casing pressure 0 and 10-3/4" annulus at 50 psi. Worked stuck tubing. Rigged up Dia-log and RIH with 1-5/8" free point to 8533' (encountered wax or scale going in hole). Found tubing stretch free to 7213'. Found tubing torque free to 3517', suspect fill outside 2-3/8" tubing and in 5-1/2" casing. POOH. Rigged up Back off shot. RIH to 3500'. Wait on orders. Closed in well.

1/30/91 Opened well, tubing flowing 1" stream of water. Rigged up Dia-log. RIH with 1-3/4" perf gun and shot 4 holes at 7815', between collars at 7800' and 7831'. POOH. Rigged up pump to tubing. Pumped down tubing at 2500 psi for 5 minutes (2.09 bbl). No returns up 5-1/2" casing and no increase on 10-3/4" casing. RIH with 1-3/4" perf gun to 6490' and shot 4 holes. POOH. Pumped down tubing, no progress. Rigged down Dia-log. Closed in well.

1/31/91 Opened well. Rigged up Dia-log. RIH with 1-5/8" string shot. Located collar at 3511', misfired. POOH. RIH and backed off tubing at 3511'. POOH. Rigged out Dia-log. Rigged up and pumped down tubing at 2500 psi. No returns, pressure holding. Pulled tubing up 60', out of fill. Continued pumping at 2000 psi. Circulating very heavy mud out of hole. Circulated hole clean. POOH and laying down 112 joints of 2-3/8" tubing. Rigged out work floor. Nippled up 6" X 5000# Hydril to Class II 5000# 2-3/8" rams and CSOs. Rigged up work floor. Closed in well.

2/01/91 Opened well, 50 psi. Rigged to run wash pipe. Picked up and RIH with 16 joints of 4-1/2" wash pipe with 4-1/2" shoe, 4 3" drill collars and jars. Picked up and measured 90 joints of 2-7/8" N-80 tubing. Rigged up pump and circulated bottoms up. Closed in well.

2/02/91
through

2/03/91 No well work.

2/04/91 Opened well. continued measuring in hole with 2-7/8" tubing and 4-1/2" wash over pipe. Tagged top of fish at 3463'. Rigged up power swivel and circulating head. Drilled from 3463' to 3680'. Fell through 217' of plug. Circulated down to 3966'. Tagged drive sub on top of fish. Circulated clean. POOH with 80 joints of 2-7/8" tubing. Closed in well.

2/05/91 Opened well. Continued POOH with 25 joints of tubing, 4 3-1/8" drill collars and 16 joints of wash pipe. Made up 4-1/2" overshot with 2-7/8" grapple and pack off bumper sub and jars. RIH to 3463', latched onto fish with overshot. Pumped down tubing at 2000 psi. Circulated well through holes at 6490'. Recovered 40 bbls of heavy mud. Circulated hole clean. Rigged up Dia-log. RIH with free point and back off shot, found tubing torque free to 4042'. Partially stuck to 7283'. Shot back off at 7277'. POOH with tools. Rigged out Dia-log. completed back off. Pulled out of mud or fill to 6500'. Closed in well.

2/06/91 POOH with workstring and laid down fishing tools. Made up 4-1/2" wash pipe and RIH with 55 stands of 2-7/8" workstring.

2/07/91 Opened well, no pressure. Measured and picked up 2-7/8" N-80 tubing while running 4-1/2" wash pipe. RIH to 4607' and circulated well. Run to 5357', unable to circulate well. POOH to 4757' and circulated well. Run in 60' intervals, circulating and cleaning out from 4757' to 5281'. Pulled up 600'. Closed in well.

2/08/91
through
2/10/91 No well work.

2/11/91 Opened well, no pressure. RIH to 5381' and circulated bottoms up. Cleaned out to 5505', stopped circulating. Picked up swivel and cleaned out to 5629'. Hang back swivel and continued cleaning out. Circulating at 100' intervals to 6750', circulated clean. Pulled up hole with 3 stands to 6550'. Closed in well.

ORIGINAL

2/12/91 Opened well, no pressure. RIH with 2-7/8" tubing to 6750'. Circulated well. Cleaned out from 6750' to 7277' with 4-1/2" wash pipe to top of fish. Circulated well. Continued picking up 2-7/8" tubing while washing over fish from 7277' to 7777'. Circulated well. POOH with 40 joints of 2-7/8" tubing. Closed in well.

2/13/91 Opened well. Continued POOH with 4-1/2" (18 jts) wash pipe, 2-7/8" tubing (93 stands), drill collars and bumper sub. Made up 4-1/2" overshot with 3-1/8" socket, jars and bumper sub. RIH with 113' of 2-7/8" tubing, latched onto fish. Spaced out 2-7/8" subs and worked stuck tubing, no luck. Circulated down 2-7/8" tubing through holes at 7815'. Circulated clean. Rigged up Dia-log. RIH with 1-11/16" free point and back off shot, unable to back off tubing. Mandrel in packer may be turning. POOH. Made up 2" Jet cutter and RIH to 7867', cut tubing. POOH. Rigged out Dia-log. Pulled up 60' of 2-7/8" tubing. Closed in well.

2/14/91 Opened well. Continued POOH with fishing tools and fish. Pulled 190 joints of 2-7/8" tubing. Laid down fishing tools, 20 joints of 2-3/8" tubing and 15' 2-3/8" tubing stub. RIH with 18 joints of 4-1/2" wash pipe and 4 joints of 3-1/8" drill collars. POOH and laid down tubing. RIH with 600' of 2-7/8" tubing open ended. Closed in well.

2/15/91 Opened well. Continued RIH with 2-7/8" tubing open ended and tagged top of fish at 7870'. Pulled to 7860' (252 jts). Circulated well with lease water. Rigged up BJ and tested lines to 200 psi and 2000 psi, OK. Pumped 28 ft^3 fresh water ahead. Mixed and pumped 40 ft^3 (35 sx) Class G "neat" cement with .3% R-3 and .1% CD-31. Displaced with 7 ft^3 fresh water and 238 ft^3 of lease water. Rigged out BJ. Pulled up 6 stands (360') 2-7/8" tubing. Reversed out 43 bbls in 30 minutes. Pulled up 600'. Closed in well.

2/16/91
through
2/17/91 No well work.

2/18/91 Opened well. RIH with 2-7/8" tubing and tagged cement at 7539'. Conditioned mud. Circulated 170 bbls of 9.8 ppg mud in well. POOH and laid down 226 joints of N-80 tubing. Leaving 16 joints of 2-7/8" tubing in hole. Closed in well.

2/19/91 Opened well. POOH with 16 joints of 2-7/8" tubing. Filled well with 9.8 ppg mud. Rigged up Dia-log. Opened 10-3/4" casing, flowing 2" stream of water. Shut in pressure, 10 minutes at 40 psi. RIH with Super Dyna cap perforators Perforated from 800' to 820' with 20 holes (1 SPF). POOH. Rigged out Dia-log. RIH with 26 joints of 2-7/8" N-80 tubing. POOH and laid down 26 joints of tubing. Pumped down 5-1/2" casing and up 10-3/4" annulus with 450 sacks (513 ft^3) Class G cement. S. Mulqueen of the Division of Oil and Gas witnessed cement returns to surface. Cement to surface. Attempted to pump away cement, no pressure. Closed in well. Rigged out BJ cementers. Cleaned pump hose, BOE and tubing equipment. Rigged out work floor and tubing equipment.

2/20/91 Opened well. Estimate cement down 80' from surface. Removed BOP and BOE. Removed and cleaned rig pump. Cleaned location. Rigged up BJ cementers. Mixed and pumped 15 sacks of Class cement down 10-3/4" casing. Pumped 19 sack of Class G cement down 5-1/2" casing. Rigged out BJ. Rigged down and moved off.

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

SP 53

Operator EXXON CORP. Well No. "NL: F" 46
API No. 037-16512 Sec. 23, T. 4, R. 17, SB B&M
Field CANOGA JUNCTION, County LOS ANGELES. On 2-19-91,
Mr. S. MULQUEEN, representative of the supervisor was present from 1230 to 1430
There were also present
Casing record of well: 10¾" cem 815; 5½" cem 10785' perf 10560' WSO, perfs 800' - 820' perfs @ int 10560' - 10705'. Junk below 7867'. TD 10800'. PB 10690'. Plugged w/ cem 10800' - 10739', 7870' - 7539' &
The operations were performed for the purpose of ABANDONMENT
820' - S

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
5½"	15.5, 17+20	0	10787'	2-19	WSO CASING SHOE	400 sx	5'	5'	—	100	800 820

Casing/tubing recovered: 2⅞" ~~shot~~/cut at 7867', _____', _____' pulled fr. 7867';
_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): 2⅞" TBG @ 7867'

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.8 PPG	2/13/91	163±	TBG @ 7539	—	SURF.	B. HESSON
						(CEMENTING CO.)
						SAMPLES

PERFORATED 800' - 820'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
2/17	400 SX	TOC @ 7870'	0730	B. HESSON	7539	10.2+ #	2/19 @ 0300	B. HESSON
2/19	450 SX	PUMPED DOWN 5½" CASING	1230	S. MULQUEEN	5'	VISUAL	2/19 1330	S. MULQUEEN

SAMPLE OF WATER TAKEN FROM CASING VALVE OF 10¾" X 5½" ANNULUS (WHICH WAS FLOWING) MEASURES 1500 PPM TDS. THIS IS FRESH WATER & IS COMING FROM THE UPPER PORTION OF THE WELL

OGD10 (8/83/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P290- 446
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 15

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
December 14, 1990

Your proposal to abandon well "Newhall Land & Farming Co." 46, A.P.I. No. 037-16512, Section 23, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, any area, 15 pool, Los Angeles County, dated 12/10/90, received 12/11/90, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10690'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10460' and 700'.
   b. To witness the mudding of the well.
   c. To witness the placing of the surface plug or to verify its location.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:ljg

Engineer Steve Fields

Phone (805) 654-4761

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
DEC 11 1990
VENTURA, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	72	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Newhall Land & Farming # 46, API No. 4037165120 0, Sec. 23, T. 4N, R. 17W, SB B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19____

The present condition of the well is:

1. Total depth: see attached

2. Complete casing record, including plugs and perforations:

see attached

3. Last produced 3/65 (Date) 21 (Oil, B/D) 0 (Gas, Mcf/D) 33 (Water, B/D)

or

4. Last injected _____ (Date) _____ (Water, B/D) _____ (Gas, Mcf/D) _____ (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 815'

The proposed work is as follows:

see attached

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Dr. (Street)
Thousand Oaks, CA 91360 (City) (State) (Zip)

Telephone Number (805) 494-2000 (Area Code) (Number)

Exxon Company U.S.A. (Name of Operator)

By _____ (Signature) 12-10-90 (Date) JWJ 12/6/90

Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

OG108 (8-75—CSRI—15M)

Form 103.

DIVISION OF OIL AND GAS

RECEIVED

SEP 26 1955

LOS ANGELES, CALIFORNIA

HISTORY OF OIL OR GAS WELL

Operator Humble Oil & Refining Company Field Castaic Junction

Well No. Newhall Land & Farming Co. #46 Sec. 23, T.4-N, R.17-W, S. B. B.&M.

Signed James E. Cox

Date July 27, 1955 Title District Superintendent

Date	Depth	Description
5-13-55 thru 5-19-55		Moving in and rigging up.
5-20-55 thru 5-21-55	825	Finished rigging up. Spudded 11" hole at 1:00 A.M., 5-20-55. Drilled to 825'. Opened 11" hole to 16" to 825'. Ran and set 798' of 10-3/4" 40.5# J-55 casing at 815'. Cemented with 450 sacks of cement. Waiting on cement.
5-22-55	965	Finished waiting on cement. Drilling 9-7/8" hole.
5-23-55 thru 6-27-55	10581	Drilled 9-7/8" hole to 1267' and then started drilling 8-3/4" hole. Drilling.
6-28-55	10650	Drilled 8-3/4" hole to 10650'. Conditioned mud and ran HOWCO Electric Log to 10649'; Caliper Log to 10650', and Dip Log to 10650'.
6-29-55 thru 6-30-55	10685	Conditioned mud and ran HOWCO Drill Stem Test of 15 zone from 10632' to 10650' using 1" top, 1/4" bottom chokes, and 2650' of water cushion. Tool open 60 minutes and shut-in 210 minutes with flowing pressure of 2378# and shut-in pressure of 4825#. Recovered 2650' water cushion, 6620' of oil and gas, 28° API corrected gravity and 90' of drilling mud, oil and gas cut. Started drilling 7-5/8" hole at 10650'.
7-1-55	10717	Conditioned mud and ran HOWCO Drill Stem Test of 15 zone from 10660' to 10685' using 1" top, 1/4" bottom chokes, and 2650' water cushion. Tool open 30 minutes and shut-in 15 minutes with flowing pressure of 2410# and shut-in pressure of 4605#. Recovered 2650' of water cushion and 5400' of oil and gas 28.2° API corrected gravity. Drilling 7-5/8" hole.
7-2-55	10750	Drilled 7-5/8" hole to 10720'. Conditioned mud and ran HOWCO Drill Stem Test of 15 zone from 10695' to 10720' using 1" top, 1/4" bottom chokes, and 2650' water cushion. Tool open 30 minutes and shut-in 15 minutes with flowing pressure of 1410# and shut-in pressure of 4600#. Recovered 2650' water cushion 630' oil and 90' of drilling mud. Drilling 7-5/8" hole.

WELL HISTORY (Cont'd)
Humble Oil & Refining Company
Newhall Land & Farming Co. #46

Date	Depth	Description
7-3-55	10783	Conditioned mud and ran HOWCO Drill Stem Test of 15 zone from 10725' to 10750' using 1" top, 1/4" bottom chokes and 2650' water cushion. Tool open 40 minutes and shut-in 20 minutes with flowing pressure of 1490# and shut-in pressure of 3975#. Recovered 2650' water cushion, 50' oil, 50' drilling mud oil & gas cut, and 625' salt water. Opened 7-5/8" hole to 8-3/4" from 10650' to 10750'. Drilling 8-3/4" hole.
7-4-55	TD 10800	Drilled 8-3/4" hole to 10800'. Ran HOWCO Electric Log to 10800' and Contact Log to 10797'. Conditioned mud to run casing.
7-5-55	TD 10800	Layed down drill pipe. Ran and set 10771' of 5-1/2" casing at 10785'. Cemented with 700 sacks of cement. Waiting on cement.
7-6-55 thru 7-7-55	TD 10800	Finished waiting on cement. Picked up and ran tubing with Johnston Shoot & Test tool. Perforated 5-1/2" casing from 10560' to 10561' with 4 - 1/2" jet shots. Ran Johnston Drill Stem Test of water shut-off zone from 10560' to 10561' using 1" top, 3/8" bottom chokes and 2600' water cushion. Tool open 60 minutes with flowing pressure of 1100#. Recovered 2600' water cushion and 30' of drilling fluid. Test approved by the Division of Oil and Gas.
7-8-55 thru 7-9-55	TD 10800	Perforated 5-1/2" casing from 10695' to 10705' with 6 shots per foot. Ran HOWCO Drill Stem Test of 15 zone from 10695' to 10705' using 1" top, 5/8" bottom chokes and 2600' of water cushion. Tool open 7 hours and shut-in 4-1/4 hours with flowing pressure of 1200# and shut-in pressure of 4900#. Recovered 2600' water cushion, 4370' oil & gas, 870' salt water and 60' drilling mud oil & gas cut. Conditioned mud.
7-10-55	TD 10800	Ran Baker Model D retainer and set at 10638'. Broke down perforations from 10695' to 10705' with 2000#. Mixed 75 sacks of cement and squeezed 55 sacks through perforations with final pressure of 6000#. Waiting on cement.
7-11-55 thru 7-13-55	TD 10800	Finished waiting on cement. Drilled out retainer and cleaned hole to 10739'. Perforated 5-1/2" casing from 10700' to 10705' with 6 shots per foot. Ran HOWCO Drill Stem Test of 15 zone from 10700' to 10705' using 1" top, 5/8" bottom chokes and 2600' water cushion. Tool open 150 minutes and shut-in 15 minutes with flowing pressure of 1675# and shut-in pressure of 1650#. Recovered 2600' water cushion and 380' drilling fluid oil and gas cut. Conditioned mud.

Date	Depth	Description
7-14-55	TD 10800 PD 10690	Ran and set Baker bridge plug at 10690'. Perforated 5-1/2" casing from 10660' to 10690' with 6 shots per foot. Ran 10528' of 2" EUE tubing with packer and set tubing with bottom at 10540'. Circulated well and flowed well.
7-15-55	PD 10690	Shut well in. Released rig at 2:00 A.M., 7-15-55. Finished tearing out rig at 12:00 P.M., 7-15-55.
7-16-55	PD 10690	Testing well.
7-17-55	PD 10690	On 24 hour potential test, well produced on 1/8" choke, 151 barrels oil, 31.3° API corrected gravity, 0.2% BS&W, 174 MCF gas, gas-oil ratio 1150. Tubing pressure 1350#, casing pressure - packer. Well completed as an oil well - flowing.

Form 101.

RECEIVED
SEP 26 1955
LOS ANGELES, CALIFORNIA

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator Humble Oil & Refining Company Field Castaic Junction

Well No. Newhall Land & Farming Co. #46 Sec. 23, T.4-N, R.17-W, S. B. B.&M.

FORMATIONS PENETRATED BY WELL

Depth To Top of Formation	Depth To Bottom of Formation	Drilled or Cored	Description
0	472	D	Sand, Clay, and Boulders
472	681	D	Sand
681	965	D	Sand and Gravel
965	1392	D	Sand, Clay, and Gravel
1392	3152	D	Sand and Clay
3152	3292	D	Sand
3292	4529	D	Sand and Shale
4529	4729	D	Shale
4729	4983	D	Sand and Shale
4983	5288	D	Shale
5288	5461	D	Shale and Sand
5461	6839	D	Shale
6839	6949	D	Shale w/Streaks of Sand
6949	7112	D	Shale
7112	7915	D	Shale and Sand
7915	7961	D	Shale
7961	8095	D	Shale and Sand
8095	8145	D	Shale
8145	8215	D	Shale and Sand
8215	10500	D	Shale
10500	10537	D	Shale and Sand
10537	10581	D	Shale
10581	10783	D	Shale and Sand
10783	10800	D	Shale w/Streaks of Conglomerate

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

October 6, 1992

Your report of plugging and abandonment of well Newhall Land & Farming" 5(

_____, A.P.I. No. 037-16519

Section 23, T. 4N, R. 17W, SB B.&M., Castaic Junction field

Los Angeles County, dated 5-13-92, received 5-22-92

has been examined in conjunction with operations witnessed and records file

in this office. We have determined that all of the requirements of this

Division have been fulfilled.

WILLIAM F. GUERARD, Jr.
Acting State Oil ~~and Gas~~ Supervisor

By _____
Patrick J. Kinnear, ~~Deputy~~ Supervisor

PK:nr

cc: Conservation Committee
Update

OG159 (6/92)

OPERATOR Exxon Corp.
WELL NO. "Kennedy Land & Farming Co" 5-A
MAP

051-1R01
23-4-17

INTENTION	Abandon					
NOTICE DATED	5-13-92					
P-REPORT NUMBER	293-12					
CHECKED BY/DATE	[illegible]					
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	5-22-92											
HISTORY	5-27-92											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

P-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.	PW 9-25-92					
DRILL CARD	—					

RECORD'S COMPLETE SW 9-28-92

FINAL LETTER OK ✓
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD
OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

REMARKS:

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
AUG 27 1992
VENTURA, CALIFORNI

History of Oil or Gas Well

Operator Exxon Company, U. S. A. Field Castaic County Ventura
Well NL&F 56, Sec. 23, T 4N, R 17W, SB B. & M.
A.P.I. No. 037-16519 Name James R. Ezell (Person submitting report) Title Coordinator (President, Secretary or Agent)
Date August 25, 1992

Signature James R. Ezell RKS

P. O. BOX 5025, THOUSAND OAKS, CA 91359 (Address) 805/494-2000 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
6/11/92	Moved in and rigged up. Unloaded equipment. Closed in well.
6/12/92	Opened well. Tubing pressure at 40 psi, casing pressure at 100 psi. Rigged up slickline unit. RIH with 1-1/4" sinker bars to 11,445'. POOH. Rigged up pump and pumped 260 bbls of fresh water down casing. Circulated to Baker tank. Recovered 100 bbls of oil. Rigged up slickline and RIH with 1.94" tubing, stopped at 39'. POOH. RIH with 1.84" wax cutter to 60'. POOH. RIH with plug, stopped at 39'. Rigged down slickline. Nippled down production T. Nippled up BOPE. Rigged up work floor and tubing equipment. Unlanded tubing. Worked packer loose with 80,000# pull. Closed in well.
6/13/92 through 6/14/92	No well work.
6/15/92	Opened well, no pressure. Attempt to POOH with tubing; moved 20' and stuck. Pulled with 78,000# on tubing; still stuck. Attempt to circulate down well; unable to circulate. Worked tubing free. String weight 67,000# with blocks. Laid down tubing. Changed pipe rams to 2-3/8". Closed in well.
6/16/92	Opened well, no pressure. Filled well with water. Continued POOH and laid down 2-3/8" tubing (93 jts). POOH with Otis hydraulic packer and the permatrieve packer. Closed in well.

6/17/92 Opened well, no pressure. Filled well with 20 bbls of fresh water. Made up mule shoe on 1-1/4" tubing. RIH. Changed over to 2-7/8" tubing. Continued in hole with tubing to 8274'. Closed in well.

6/18/92 Opened well, well on vacuum. Continued RIH with 2-7/8" tubing. Reverse circulate from 11,491' to 11,424'. Tagged at 11,424'. Attempt to circulate through packer with 1-1/4" mule shoe. Hanging up. Worked through packer and circulate down to 11,621'. Tagged at 11,621'. Circulate well. POOH with 600' of 2-7/8" tubing. Closed in well.

6/19/92 Opened well, no pressure. RIH and worked through packer to 11,610'. Circulate well and worked tubing. Rigged up BJ and tested lines to 500 psi (low) and 5000 psi (high), OK. Mixed and pumped 77 sacks of Class G cement with 40% silica flour, 2% R-11 and 2% CD-32 in three stages. Displaced with fresh water; 367 ft^3 after 1st stage; 353 ft^3 after 2nd stage and 341 ft^3 after 3rd stage. Estimate top of cement at 10,633'. Pulled up tubing to 9655'. Closed in well.

6/20/92
through
6/21/92 No well work.

6/22/92 Opened well. RIH to top of cement at 10,635'. Reverse circulate clean. Rigged up BJ and tested lines at 500 psi and 5000 psi, OK. Mixed and pumped 40 sacks of Class G cement with 40% silica flour, 2% CD-32 and 2% R-11. Displaced with 335 ft^3 of fresh water. Pulled up 16 joints 2-7/8" tubing to 10,131'. Reverse circulate 65 bbls of water, no cement returns. Pulled up 300'. Closed in well.

6/23/92 Opened well, no pressure. RIH with 2-7/8" tubing and tagged cement at 10,242'. Tag witnessed and approved by Division of Oil and Gas. Mud operation also approved by Division of Oil and Gas. Circulate well. Pumped 220 bbls of 72 ppcf mud to 830'. POOH and laid down tubing. Closed in well.

6/24/92 Opened well, no pressure. Continued POOH and laid down all tubing. Bled down 10-3/4" X 5-1/2" annulus (flowing fresh water). Rigged up Prime. RIH with 20' strip of 2 HPF centered at 830'. Shot from 820' to 840'. POOH. Rigged down Prime. Circulate down 5-1/2" casing and up 10-3/4" casing, still

flowing fresh water. Rigged up BJ and tested lines at 300 psi and 3000 psi. RIH with tubing to 850'. Mixed and pumped 150 sacks of neat cement. Displaced with 17 ft^3 of fresh water. Returns up 10-3/4" casing. Shut down pump. Opened 5-1/2" casing. Closed 10-3/4" casing. Opened tubing. Rigged down BJ. POOH with tubing. Closed in well. NOTE: Division of Oil and Gas gave verbal approval to pump cement and shoot holes at 830'.

6/25/92 Opened well, no pressure. RIH and tagged cement at 805'. Tag witnessed and approved by Division of Oil and Gas. Pumped down tubing with 5-1/2" casing closed. Pressure up 10-3/4" casing to 550 psi for 5 minutes, OK. POOH with tubing. Rigged up Dia-log. RIH with 1-3/4" control jet shot and shot four 3/8" at 100'. Shots witnessed by Division of Oil and Gas. POOH. Circulate down 5-1/2" casing and up 10-3/4" casing at 500 psi. RIH with 25 joints of 2-7/8" tubing, tail at 787'. Rigged up BJ. Mixed and pumped 105 sacks of Class G neat cement down tubing and up 5-1/2" casing. Closed 5-1/2" casing. Opened 10-3/4" casing and continued pumping cement. Pressured up to 1000 psi. Rigged down BJ. POOH and laid down tubing. Rigged up BJ. Pumped 1-1/2 bbl cement down 5-1/2" casing. Pressured up to 2000 psi, no circulation through 5-1/2" casing to 10-3/4" annulus. S. Mulqueen of Division of Oil and Gas witnessed placement of surface plug in 5-1/2" and 10-3/4" casings. Rigged out BJ. Removed all equipment. Rigged down and moved off.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-126

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
August 19, 1992

Your operations at well "Newhall Land & Farming" 56, API No 037-16519,
Sec. 23, T. 4N, R. 17W S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 7-28-92. Stephen Mulqueen, representative of the supervisor, was present from 0900 to 1000. There wer also present Chris Ballard.
Present condition of well: 10 3/4" cem 835'; 5" cem 11949', perf 10550' wso cp 100', perfs 820'-840' (cem off), perf 10596'-11850', 10549'-10550' 10662'-10710', 11475'-11630'. Junk below 11420'. TD 11952'. Plugged w/ce 11949'-11640', 11610'-10242 & 850'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

K.P. HENDERSON, Acting Chief
By Patrick J. Kinnear
Deputy Supervisor

OG109/PK:nr

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

8P

Operator EXXON CORPORATION Well No. Newhall Land & Farming 56
API No. 037-16519 Sec. 23, T. 4N, R. 17W, SB B&M
Field CASTAIC JUNCTION, County LOS ANGELES. On 7-28-92,
Mr./Ms. STEVE MULQUEEN, representative of the supervisor, was present from 0900 to 1000.
There were also present CHRIS BALLARD

Casing record of well: 10¾" cem 835; 5" cem 11949' perf 10550' WSO cp 100' perfs 820 - [illegible] [illegible] 10596 - [illegible] 10729 - [illegible] [illegible] [illegible] - 11650'. Junk below [illegible]. TD 11952.

The operations were performed for the purpose of [illegible]
Plugged w/ cem [illegible] - [illegible], [illegible] - [illegible] & 850 - 5'.

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ______' is approved.

Hole size: ____" fr.____' to____', ____" to____' & ____" to____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
[illegible]	[illegible]	[illegible]	[illegible]	6-25	[illegible]	171 cf	—	828'	—	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	6-25	TBG @ 805	120 cf	5'	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] 550 PSI [illegible]

Casing/tubing recovered: 5" shot/cut at [illegible]', [illegible]', ______' pulled fr.______';
5" shot/cut at [illegible] to 101', ______' pulled fr. —'.
Junk (in hole): [illegible] 20' [illegible] 10456 & 11462 [illegible]
Hole fluid (bailed to) at______'. Witnessed by______

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
CLA GEL [illegible] cf	6-23-92		TBG @ [illegible]	—	SURFACE	S. MULQUEEN

TBG [illegible] @ [illegible] [illegible]

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
6/22	123 cf	TBG @ 11610'	—	REPORTED	10635'	—	6/23 —	REPORTED
6/23	63 cf	TBG @ 10635'	—	"	10242'	10 #	6/[illegible] 0930	S. MULQUEEN
6/25	171 cf	TBG @ 850' *	—	"	828'	—	6/[illegible] —	REPORTED
6/25	120 cf	TBG @ 805'	—	"	5'	VISUAL	7/28 0900	S. MULQUEEN

* PRESSURE TESTED 5' TO 550 PSI

SEE CEM [illegible] [illegible] BACK [illegible] 1/4 [illegible]

OGD10 (10/90/GSR1/5M)

CLEANHOLE FLUIDS, INC.

WORKOVER, COMPLETION & DRILLING FLUIDS

POST OFFICE BOX 3657
VENTURA, CALIFORNIA 93006
(805) 648-2273

FLL REPORT

REPORT No.

DATE ____ 19__ DEPTH ____

API WELL NO.	STATE	COUNTY	WELL	S/T

OPERATOR	CONTRACTOR	RIG NO.
ADDRESS	ADDRESS	SPUD DATE
REPORT FOR MR.	REPORT FOR MR.	SECTION TOWNSHIP RANGE

WELL NAME AND NO.	FIELD OR BLOCK NO.	COUNTY PARISH OR OFFSHORE AREA	STATE OR PROVINCE

OPERATION		CASING	FLUID VOLUME (BBL)	CIRCULATION DATA	
PRESENT ACTIVITY		SURFACE IN. at FT.	HOLE PITS	PUMP SIZE X IN.	ANNULAR VEL. (FT./MIN.) OPPOSITE DP
BIT SIZE (IN.)	NO.	INTERMEDIATE IN. at FT.	TOTAL CIRCULATING VOLUME	PUMP MAKE MODEL	OPPOSITE COLLAR
DRILL PIPE SIZE	TYPE	PRODUCTION OR LINER IN. at FT.	IN STORAGE	BBL/STROKE STROKE/MIN	CIRCULATING PRESSURE PSI
DRILL COLLAR SIZE	LENGTH	FLUID TYPE		BBL./MIN.	BOTTOMS UP (MIN.) SYSTEM TOTAL (MIN.)

Sample from ☐ Flowline ☐ Pit
Flowline Temperature °F

FLUID PROPERTIES			
Time Sample Taken			
Depth (ft)			
Weight ☐ (ppg) ☐ (lb/cu ft)			
Mud Gradient (psi/ft)			
Funnel Viscosity (sec/qt) API at ____ °F			
Plastic Viscosity cp at ____ °F			
Yield Point (lb/100 sq ft)			
Gel Strength (lb/100 sq ft) 10 sec/10 min	/	/	/
pH ☐ Strip ☐ Meter			
Filtrate API (ml/30 min) Spurt Loss (1 min)	/	/	/
API HP-HT Filtrate (ml/30 min) ____ °F			
Cake Thickness 32nd in API ☐ HP-HT ☐			
Alkalinity, Mud (P_m)			
Alkalinity, Filtrate (P_f/M_f)	/	/	/
Salt ☐ ppm ☐ gpg Chloride ☐ ppm ☐ gpg			
Calcium ☐ ppm ☐ Gyp (ppb)			
Sand Content (% by Vol)			
Solids Content (% by Vol) - Centrifuge			
Oil Content (% by Vol)			
Water Content (% by Vol)			
Methylene Blue Capacity (me/ml mud)			

EQUIPMENT

	SIZE	HRS/TOUR			SIZE	HRS/TOUR		
Centrifuge					Desilter			
Degasser					Shaker			
Desander					Other			

DAILY COST	CUMULATIVE COST

FLUID PROPERTIES SPECIFICATIONS

WEIGHT	VISCOSITY	FILTRATE

BY AUTHORITY ☐ OPERATOR'S WRITTEN ☐ DRILLING CONTR
☐ OPERATOR'S REPRESENTATIVE ☐ OTHER

MATERIALS RECOMMENDED

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY CLEANHOLE FLUIDS CO. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

REPRESENTATIVE	HOME ADDRESS	TELEPHONE
MOBILE UNIT	WAREHOUSE LOCATION	TELEPHONE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-128
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 25

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
May 27, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 56, A.P.I. No. 037-16519, Section 23, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, --------- area, Main pool, Los Angeles County, dated 5/13/92, received 5/22/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 5M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 11,640'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10,450' & 730'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 5" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:tkc

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By for Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	—	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #56 (Well designation), API No. 037 - 16519

Sec. 23, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19 ___.

The present condition of the well is:

1. Total depth 11,952'

2. Complete casing record, including plugs and perforations
   10-3/4" 40.5# conductor 0' - 782'
   5", 17# & 20# casing 0' - 11,949'
   - plugged back 11,949' - 11,640'
   - perforations 10,596' - 11,850'

   WSO 10552

3. Last produced 4\66 (Date) 21 (Oil, B/D) 3 (Water, B/D) 0.5 (Gas, Mcf/D)

   OR

4. Last injected ---- (Date) --- (Water, B/D) ---- (Gas, Mcf/D) ---- (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost productive zone:

   Top of 15 Sand: 10,596'
   Base of 15 Sand: 10,773'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 825'

The proposed work is as follows:

1. MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out to PBD at 11,640'.
3. Place class "G" cement plug (w/40% silica) from 11,640' to 10,349'. D.O.G. to witness placement and tag.
4. Place 9.62 ppg mud from TOC to 830'.
5. Shoot cavity shot at 830'. Squeeze class "G" cement plug (w/3% $CaCl_2$) from 830' to 725'. D.O.G. to witness placement and tag.
6. Shoot 4 holes @ 100'. Place class "G" cement plug (w/3% $CaCl_2$) from TOC to surface. Downsqueeze 100 lineal feet getting returns i casing/conductor annulus. D.O.G. to witness set of plug.
7. Cut off casing @ 5' and weld plate with well identifier.
8. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 225 W. Hillcrest Drive (Street)
Thousand Oaks, (City) CA (State) 91360 (Zip)
Telephone Number 805-494-2000

Exxon Company, USA (Name of Operator)
By R.W. KOMERE (Name-Printed)
R.W. Komere (Name-Signature) 5-13-92 (Date)
Type of Organization Corporation

JLD\NLF56ABD.DOG

F M 105

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

DIVISION OF OIL AND GAS
8 APR 19 1956
LOS ANGELES, CALIFORNIA

037-16519

Los Angeles Calif. April 18, 1956

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. Newhall Land & Farming Co. "Nc." 56, Sec. 23, T. 4-N, R. 17-W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

Legal description of mineral right lease, consisting of 3096.7 acres, is as follows: (Attach map or plat to scale)

See attached Plat

Do mineral and surface leases coincide? Yes X No ____ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of Well: 7,043 feet East (Direction) along section line and 1,739 feet South (Direction) ~~property~~ ~~line from~~ property corner ~~of section~~ 11

Rancho San Francisco, Los Angeles County, California

Elevation of ground above sea level ____ feet To be submitted later datum.

All depth measurements taken from top of Kelly Bushing (Derrick Floor, Rotary Table or Kelly Bushing) which is 12 feet above ground.

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
10-3/4"	40.5	J-55	0	800	Cemented to surface
5-1/2"	15.5, 17 & 20	N-80	0	11,000	Cemented 1000' above shoe

Intended zone or zones of completion: Zone 15 (Name) 10,600' - 10,680' (Depth, top and bottom)

Estimated total depth 11,000'

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
Cyc 84	Ah				

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address 612 South Flower Street

Telephone Number MAdison 6-7701

Humble Oil & Refining Company (Name of Operator)

By [signature]

Type of Organization (Corporation, ~~Partnership, Individual~~)

The Resources Agency of California
Department of Conservation

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
AUG 18 1978
SANTA PAULA, CALIFORNIA

Rec. 5/31 A74 B6 WCF to

WELL STATUS INQUIRY

Mooney/SK 8/4/78
Rig in on well doing this work
(805)- 259-2505

Santa Paula, Calif.

May 30, 1978

Mr. J. H. Steeele, Agent
Exxon Corporation
P.O. Box 7033
Long Beach, Ca. 90807

In a notice dated October 4, 19 77, you propose to abandon
well name and No., "Newhall Land & Farm Co." 3 (037-16474)
Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction
(Field or County)

Please indicate below conditions or intentions regarding this proposed work and return the completed form to this office within 10 days.

___ THIS WORK HAS BEEN DONE. If you check this space, please file the required well records on this work in duplicate within 60 days after work was completed.

___ THIS WORK IS IN PROGRESS AND SHOULD BE COMPLETED ABOUT _____ 19 ___.

✓ THIS WORK HAS NOT BEEN DONE, BUT WE STILL INTEND TO DO THE WORK. Please give details. Abandonment procedure in field; awaiting possible bid-out. Work to be accomplished 3rd quarter 1978.

___ WE DO NOT INTEND TO DO THIS WORK. Please cancel our notice to _____, dated _____ 19 ___.

Signature W W Kyle (Kyle)

(Bonds on file covering canceled notices will be returned.)

___ OTHER: Notice expires 9/27/78 LA

NOTE: Division 3 of the Public Resources Code states in part:
Section 3203. ...If operations have not commenced within one year of receipt of the notice, the notice will be considered canceled. --- Section 3215. ...Well records shall be filed 60 days after completion or suspension of proposed work. ---

M. G. MEFFERD
~~HAROLD W. HOLE~~
~~XXXXXXXXXXXXXXXX~~
State Oil and Gas Supervisor

By E. P. Hickey
E. P. Hickey for John L. Hardoin, Deputy Supervisor

OGD3 (6-76-GSRI-1M)

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator EXXON Well No. [illegible] 3
API No. _____ Sec. 22, T. [illegible], R. [illegible], _____ B&M
Field [illegible], County LA. On 10-5-78,
Mr. TE ADAMS, representative of the supervisor was present from 1700 to 2000.
There were also present MR. DUCKWORTH CONTRACT FOREMAN
Casing record of well: [illegible] - 2000
4 60 - SURF
[illegible]

The operations were performed for the purpose of [illegible]

☒ The plugging/cementing operations as witnessed and reported are approved.
☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: _____" shot/cut at _____', _____', _____' pulled fr. _____';
_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
10-5-78	[illegible]	[illegible]			[illegible]	[illegible]	[illegible]	[illegible]
10-5-78	[illegible] CF	[illegible] 2350			[illegible]	[illegible]	10-5-78 1800	TEA
10-5-78		[illegible] 60			[illegible]		[illegible]	[illegible]

OGD10 (2-77-GSR1-6M)

OPERATOR _____
LSE & NO NLF 3
MAP 253

	( )	( )	( )	( )	( )	( )
INTENTION	Abnd.					
NOTICE DATED	2-2-79					
P-REPORT NUMBER	211254					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE												
HISTORY												
PRIMARY												
GR/ELECTRIC LOG												
DIRECTIONAL SURV												
CORE/SWS DESCRIP												
OTHER												
RECORDS COMPLETE	✓											

ENGINEERING CHECK

P-REPORTS	✓
OPERATOR'S NAME	✓
PLAT DESIGNATION	
LOC & ELEV	
SIGNATURE	
SURFACE INSPECTION	✓
FINAL LETTER OK	✓

CLERICAL CHECK

POSTED TO 121 _____ 170 _____ MAILED _____ FINAL LETTER MAILED 4/3/79

RELEASED BOND _____

REMARKS: No Sec Plat Sent on NLF 2-7-79

WORK PERFORMED:

Drill_____ Redrill ✓ Deepen_____

Plug_____ Alter casing_____

Water flood_____ Water disposal_____

Abandon_____

Other_____

STATUS: (Date) ✓

Producing_____

Recomp. prod._____

Water flood_____

Water disposal_____

Abandoned_____

Other Suspended 3-16-68

MAP AND BOOK 4 LC Sdy 3-25-68

RECORDS FILED & DATE: Clerk_____

Summary (dup.)_____

Log & Core (dup.)_____

History (dup.)_____

E-log_____

Radio log_____

D. Survey_____

Other_____

(Check records for signature and correct name of operator or well, S.T.R. and field.)

Location_____ Notice states_____

_____

_____

_____

_____

Elevation_____ Notice states_____

_____

_____

_____

Production Reports_____

_____

(If production reports not received, make notation and inform Sr. Steno. when rec'd.)

If stimulation or disposal well:
Form 121_____ Folder_____

RECORDS & REQUIREMENTS CHECKED: Eng. MC

_____

_____

OK

_____

_____

_____

_____

Surface inspection_____

Data needed_____ Clerk:

Request records_____ F 170___

Correct records_____ F 165___
(Specify) 165A___

CARDS_____

BOND:_____

Hold___ Reason_____

Release___ Date elig._____ F 150b___

End premium year_____
Release requested___ (Check)
Bond superseded_____ (one)
Well abandoned_____

FINAL LETTER_____ F 159___
and
FILE CLEARED_____ F 121___

NAME CHANGE: FROM: HUMBLE OIL AND REFINING CO.

TO: EXXON CORPORATION 1/1/73

FORM 159

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Santa Paula, Caliifornia

February 13, 1979

Mr. E. C. Hutchinson, Agent
Exxon Corporation
P. O. Box 7033
Long Beach, CA 90807

DEAR SIR:

(037-16474)

Your report of abandonment of Well No. "Newhall Land & Farming Co." 3, Sec. 24, T. 4N, R. 17W, S. B. B. & M., ~~Newhall~~ Castaic Junction field, Los Angeles County, dated 12/15/78, received 12/28/78, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division, which are based on all information filed with it, have been fulfilled.

MAP	MAP (OPEN)	CARDS	BOND	FORMS 114	FORMS 121
		—	—	—	✓

M. G. MEFFERD
~~JOHN F. MATTHEWS, JR.~~
State Oil and Gas Supervisor

By _____
John L. Hardoin, *Deputy Supervisor*

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
DEC 28 1978
SANTA PAULA, CALIFORNIA

History of Oil or Gas Well

Operator EXXON CORPORATION Field or County CASTAIC JUNCTION
Well "Newhall Land & Farming Co." 3, Sec. 24, T 4N, R 17W S.B.B. & M.
A.P.I. No. 037-16474 Name E. L. McBee (Person submitting report) Title Operations Supt (President, Secretary or Agent)
Date December 15, 1978

Signature M. O'Farrell Agent

2755 Orange Avenue, Long Beach, CA 90807 (Address) (213) 426-8844 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
10-2-78	MIRU. Installed class II BOPE. Picked up 99 jts 2-7/8" tbg. Changed over to mud.
10-3-78	Removed BOPE and packing from 7" csg. Removed csg slips. Free-pointed csg. Landed csg on slips with 200,000# tension. RIH with 7" cutter. Attempted to cut csg at 3000'. POH with cutter. Attempted to jack csg out of hole. Landed csg back on slips with 200,000#. Made another attempt to cut at 2900'. Jacked csg up hole 5' with 400,000# tension. Bottom spider split.
10-4-78	Landed 7" csg on slips with 180,000#. Made up 7" 26# inside cutter RIH. Made cut at 2250' (csg. free). POH with tbg. Rigged up and perfed four 1/2" holes at 2450'. RIH with 2-7/8" tbg to 2274'. Rigged up cementer. Mixed 37 sx class "G" cement + 2% Ca Cl. Pumped 10 cu ft of water ahead of slurry and 5 cu ft behind slurry. Displaced with 70 cu ft of mud. Picked up to 2200'. Squeezed 10 cu ft. POH with 50 jts 7" csg.
10-5-78	Installed BOPE. RIH. Tagged cement plug at 2350' (witnessed and approved by DOG). Rigged up and hung tbg at 2224'. Mixed 125 sx class "G" cement + 2% Ca Cl_2. Pumped 10 cu ft of water ahead and 5 cu ft behind slurry. Displaced to 1900' with 60 cu ft of mud. Picked up to 1900'. Waited on cement. Tagged top of cement at 1940' (witnessed and approved by DOG). Mixed 35 sx class "G" cement and pumped from 60' to surface (witnessed and approved by DOG). Abandonment operations completed.
1-27-78	Cleaned up surface location. Final report on well.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 278-310

DIVISION OF OIL AND GAS

Report on Operations

Mr. J. H. Steele, Agent
Exxon Corporation
P. O. Box 7033
Long Beach, CA 90807

Santa Paula, Calif.
October 11, 1978

Your operations at well "Newhall Land & Farming" 3, API No. 037-16474, Sec. 24, T. 4N, R. 17W, S.B. B. & M. Castaic Junction Field, in Los Angeles County, were witnessed on 10-5-78. Mr. D. E. Adams, representative of the supervisor, was present from 1700 to 2000. There were also present Mr. Duckworth, contract foreman

Present condition of well: Additions to the casing record since proposal dated 9-22-77: Plugged with cement 2474-2040' and 60' to surface.

The operations were performed for the purpose of abandoning the well.

DECISION:

THE PLUGGING/CEMENTING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

r

M. G. MEFFERD
State Oil and Gas Supervisor

By _____
Deputy Supervisor
John L. Hardoin

OG109 (6-77-GSRI-15M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 277-354

REPORT ON PROPOSED OPERATIONS

Santa Paula, Californ.

Oct. 4, 1977

Mr. J. H. Steele, Agent
Exxon Corporation
P.O. Box 7033
Long Beach, Calif. 90807

Your proposal to abandon well Marshall Land & Farming Co. #3
(Name and number)
, A.P.I. No. 037-10474, Section 24 T. 4N, R. 17W,
S.B. B. & M., Castaic Junction field, Los Angeles County,
dated 9-22-77, received 9-27-77, has been examined in conjunction
with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Hole fluid of sufficient quality and quantity, shall be maintained in the hole to control any subsurface condition, and a reserve supply shall be on hand for emergencies.
2. Blowout prevention equipment of at least DOG Class II shall be installed and maintained in operating condition at all times.
3. All portions of the hole not plugged with cement shall be filled with mud fluid having a minimum density of 72 lbs/cu.ft. or a minimum gel sheer strength (10 min) of 20 lbs/100 sq.ft., (30 sacks of Bentonite per 100 bbls. of water.
4. The base of the fresh waters is at 2450'.
5. THIS DIVISION SHALL BE NOTIFIED TO WITNESS THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 2350' OR ABOVE, 2160' OR ABOVE, AND THE PLACING OF THE SURFACE PLUG.

NOTE: A COPY OF THIS APPROVAL SHALL BE AVAILABLE AT THE WELL SITE DURING THE PROPOSED OPERATIONS.

Blanket Bond
MD:b

M. G. MEFFERD
State Oil and Gas Supervisor

By
Deputy Supervisor

John L. Hardoin

OG111 (11-76—GSR1—30M)

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
SEP 27 1977
SANTA PAULA, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS 114	FORMS 121
	BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. "Newhall Land & Farming Co." 3, API No. 037-16474, Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County, commencing work on _____, 19____.

The present condition of the well is:

1. Total depth: 10,995'
   PBD: 9,057'
2. Complete casing record, including plugs and perforations:

   See Attached Sheet.

3. Last produced 1-68 (Date) 106 (Oil, B/D) 2104 (Gas, Mcf/D) 40 (Water, B/D)

   or

4. Last injected N/A (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows
6. Stratigraphic markers:
7. Formation and age at total depth:
8. Base of fresh water sands:

The proposed work is as follows:

1. Install Class II BOPE and test for DOG.
2. Circulate casing full of mud for DOG.
3. Cut and recover 7" casing as deep as possible.
4. Spot 100' cement plug from 50' below casing stub to 50' above stub. Tag for D.O.G.
5. Spot 200' cement plug from 100' below fresh water base at 2900' to 100' above. Tag for D.O.G.
6. Spot a 100' cement plug from 50' below shoe of 13-3/8" casing at 2219' to 50' above shoe. Tag for D.O.G.
7. Spot surface plug for D.O.G.
8. Remove wellhead and restore surface location to original condition.

Note: If 7" casing is cut and removed above the fresh water base at 2900', (1) a cavity shot will be made at 2900' before pumping enough cement to leave a 100' plug from 2900' to 2800' and (2) no cement will be spotted across the casing stub

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 2755 Orange Avenue (Street)
Long Beach, California 90807 (City) (State) (Zip)
Telephone Number (213) 426-8844

EXXON CORPORATION (Name of Operator)
By [signature] (Name) 9/22/77 (Date)
Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

10341-705 1-73 10M ② OSF

State of California
Department of Conservation

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. "Newhall Land and Farming Co." 3, API No. 037-16474 Sec. 24, T. 4N, R. 17W, S.B. B & M, Castaic Junction Field, Los Angeles County.

2. Complete casing record, including plugs and perforations:

24" cem. 28'

13-3/8", 54.5# cem. 2219'.

7", 23#, 26# & 29# N-80 & S-95 cem. 9,956'. Perfs 9,745'-9,865' (cemented). WSO @ 9,690'&9,692' (all cem.) plugged with cement 9,908'-9,956' & 9,057'-9,195' (junk 3-1/2" drill pipe and bit with top @ 9,195'). Windows 9,388'-9,418' and, for 5" liner, 9,426'-9,484'.

5", 18# Grade "E" Hydril liner 9,381'-10,955'. Perfs 10,930'-10,951' & 10,884'-10,912' (all cemented). WSO @ 10,704', 9,650', 9,646' (all cem.). Junk 2" tubing and packer 9,861'-10,686'. Plugged with cement 9,512'-10,955'.

HUMBLE OIL & REFINING COMPANY

SOUTHWEST REGION

P. O. Box 1600, Midland, Texas 79701

WELL HISTORY

Newhall Land & Farming Co. #3

WELL NO Newhall Land & Farming Co. #3 FIELD Castaic Junctio COUNTY Los Angeles STATE California SEC 24 T 4N R17

DATE	DEPTHS FROM	DEPTHS TO	FORMATION	REMARKS
				REDRILL CASING - NOTICE DATED 3-1-68 - SUPPLEMENTED ON 3-12-68 TO SPOT PLUG & SUSPEND OPERATIONS
2-16-68				MIRU. 10,351' TD, 10,324' PBD. Made sealer run in 2-3/8" tbg. w/1-3/4" bar. Stopped at 9620'. Ran 1 pression block, stopped at 9620'. Unable to go de Shot 4 holes in 2-3/8" tbg. at 9600'. Changed ove 13.3# mud, Visc. 80.
2-21-68				Circ. and cond. mud. Remove tree. Install and tes BOP. Pulled tbg., found tbg. parted at 9325'. Fis 25 jts., 6 gl. and 12' stub of tbg., seal and latch assembly, Otis "S" nipple, BOT "G" sliding sleeve Prep. to run WP.
2-[illegible]				Ran 4" [illegible] set in drill pipe, [illegible] top of fish 9758'. Circ.
2-[illegible]-68				Started cut 7" liner at 9351-9371', pulled out, NO shoe in hole. Ran spear, rec. liner, Run shoe, stopped at 9387', milled, unable to make hole. Ra junk mill, stopped 9755', milled to 9349'. Ran WO shoe, stopped at 9751'. Reamed tight spots at 97 9767' & 9811'. Milled on junk at 9387'.
2-26-68				Ran 4" mill w/1 joint of WP, stopped at 9717'. Ci mud.
2-27-68				Ran BR socket. Worked thru tight spot at 9767'. Attempted to work over fish at 9387'; unsuccessfu Pulled socket. Ran 4-1/8" junk mill. Milled fr. 9 9861'.
2-28-68				Pulled out. Ran Baker cmtr., tagged bottom at 98 Set cmtr. at 7837 w/tail at 9354'. Squeeze cement w/120 sx Class "G" cmt., CIP 9:35 P.M. Max Press. 3900#, Min. Press. 1500#. Ran to 9500', circ. thru cmt. Pulled up, circ. and cond. mud. Ran to top o cement at 9512. W & A by DOG 1:20 A.M.
2-29-68				Milled 7" hanger & liner 9371-9419'. Tested csg. 2000# for 5 mins., test O.K.
3-1-2-3-68				Cut window in 7" csg. at 9339', milled to 9419'. hole to 11" from 9339-9419'. Ran 1 jt. of 2-3/8" on DP to 9443'. Spotted 25 sx cmt. CIP 6:05 A.M. 3/3/68. Pulled up 300'. Circ. WOC 4 hrs., tagged at 9394'. Ran 6" bit, cleaned out stringers 9800- Re-ran 1 jt 2-3/8" tbg. on DP.
3-4-68				Mixed 30 sx Cl. "G" cmt. w/20% sand, CIP at 7:20 tagged top of cmt. at 7944'. Drld. out stringers 8770', dropped to 9419'. Ran OEDP to 9419'. Mixed sx. Cl "G" cmt. w/20% sand, disp. 375 cu. ft. mud at 7:45 PM. Pulled up to 9020', [illegible] trace of cm

HUMBLE OIL & REFINING COMPANY
SOUTHWEST REGION

WELL HISTORY

WELL NO Newhall Land & Farming Co. #3 FIELD Castaic Junction COUNTY Los Angeles STATE California SEC 24 T 4N R 17W

DATE	DEPTHS FROM	DEPTHS TO	FORMATION	REMARKS
3-4-68	(Cont'd)			to 9234', circ. trace of cmt.
3-5-68				Ran 6" bit to top of cmt. at 9302', cleaned out sc cmt. to 9322'. WOC. Drld. firm cmt. to 9337'. Ran WC #1, set at 9397' - 9407'. Drld. 4-5/8" from 9397 9407', started out broke DW shaft on drilling rig Mud 13.5; Visc. 48. Filt 13.4' Cake 2/32.
3-6-68				Finished repairing DW. Pulled out, Ran 6" hole ope
3-7-68				Opened 4-5/8" hole to 6" to 9407'. Ran 6" bit, drl to 9470'.
3-8-9-10-68				Ran survey: MD-9470, DRIFT [illegible]; DIR [illegible]. Chang[illegible] [illegible] to 95[illegible]', [illegible] parted [illegible] Pulled [illegible]. Ran [illegible] Pulled [illegible]. Ran mill [illegible]. Ran 4-3/4" [illegible] fish. [illegible] circ., [illegible] found pipe partially stuck at 9404', completely stuck at 942[illegible]', [illegible] 9570'. Backed off [illegible] joints above collars at 919[illegible]'. Laid down 40 jts. crooked DP. Ran safety joint, bu sub and jars. Screwed into fish at 9195', unable t break circ. Jarred 2½ hrs. DP parted 3 singles [illegible] rotary, ran socket, rec. all of fish #2. Laid down DP, ran 4-5/8" socket on new string of DP.
-11-68				Ran DP to 9127'. Circ. & cond. mud, worked socket over fish at 9195'. Ran Dialog string shot, stoppe at 9214', pulled out, ran 35' - 1" sinker bars on Dialog, stopped at 9214'. Backed off DP at 3300' w working, worked Dialog loose. Pulled out. Ran in, screwed into DP, released socket.
3-12-68				LDDP &DC, ran DE 2-7/8" tbg. hung at 9195', circ. lowered MW.
3-13-68				Set cmt. plug with 35 sx Cl. "G" cmt. CIP at 8:00 3-13-68. Pulled up to 9210'. Reverse circ., no cmt ret. LD tbg., removed BOP, installed tree w/1 jt 2-7/8" OD tbg. hanging. Released rig at 10:30 P.M. 3-13-68. (10.4# Clay-base mud in hole). Well shut Operations suspended. FRR & FRW.

RECEIVED
MAR [illegible] 1968

D. L. Clemmer

D. L. Clemmer
Unit Head

DLC/saj
[illegible]-19-68

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

November 8, 1995

Exxon Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 5, A.P.I. No. 037-16476, Section 24, T. 4N, R. 17W, S.B. B.& M., Castaic Junction field, Los Angeles County, dated 08-16-95, received 09-22-95, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

svl

Modified OG159 (4/94)

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
SEP 22 1995
DIVISION OF OIL, GAS, & GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 5, Sec. 24, T 4N, R 17W, S.B. B. & M.

A.P.I. No. 0403716476 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistan (President, Secretary or Agent)

Date 08/16, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilli or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amou of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

07/25/95
MIRU CHECK WELL, TBG 0#, UNHANG WELL. PULL UP RODS, PARTED DEEP. RIH STACK OUT ON RODS BACK OFF 1 ROD DOWN. POOH, LAY DOWN POLISH ROD. RIG UP DEWAXING UNIT, FILL TBG WITH 2 BBL L/W PRESSURE #3000. ATTEMPT TO BLOW DRAIN @ 9700 FT, WOULD NOT BLOW. WAIT ON ACE TESTING. PRESSURE TO 7000#, COULD NOT BLOW. RIG OUT ACE AND DEWAXING UNIT. BLEED CSG OFF (500#) PUMP 40 BBL L/W DOWN CSG. RIG TO PULL RODS POOH WITH RODS. CALLED CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEPHEN MULQUEEN, FOR APPROVAL TO SET RETAINER AT APPROX 10,043 FT AND IF POSSIBLE SQUEEZE CEMENT THRU HOLE BELOW FISH. LEAVE APPROX 200 FT ON TOP OF RETAINER. NOTIFIED CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEPHEN MULQUEEN, AND NOTIFIED LOS ANGELES COUNTY FIRE DEPARTMENT, CAPT MIKE LEE.

07/26/95
OPEN WELL TBG 50#, CSG 0# BLEED WELL. TBG FLOWING OIL PUMP 2 BBL L/W DOWN TBG. RIG UP DIALOG WITH 2.875 IN LUBRICATOR. RIH WITH 1.75 IN JET PERFORATOR. TAG TOP OF FISH @ 9685 FT SHOOT 4 HOLES FROM 9670 - 9671. POOH, WELL FLOWING. RIG TO KILL WELL PUMP 450 BBL LEASE WATER DOWN TBG @ 400# HOLDING 200# ON CSG. OPEN WELL, LYING DEAD. RIG TO RUN RODS RIH WITH 9700 FT RODS. CLOSE IN WELL.

07/27/95
SERVICE RIG AND EQUIPMENT OPEN WELL, NO PRESSURE. CIRCULATE 40 BBLS DOWN TBG POOH LAYING DOWN RODS. CLOSE IN WELL.

07/28/95
SERVICE RIG AND EQUIPMENT OPEN WELL (NO PRESSURE). CLEAN AND WASH OUT CELLAR CLEAN LOCATION. TRANSFER K-BARS AND FINISH LOADING OUT TRAILER.

7/31/95
SERVICE RIG & EQUIPMENT OPEN WELL (NO PRESSURE). FILL OUT ENTRY PERMIT NIPPLE DOWN PROD TREE. WORK STUCK DONUT @ 110,000# WAIT ON DONUT PULLER. PUMP 20 BBL LEASE WATER DOWN CSG AND 4 BBL DOWN TBG BEFORE UNLAND WELLHEAD. RIG UP DONUT PULLER PULL DONUT LOOSE @ 142K, RELEASE ANCHOR. RIG UP BOP AND BOE FUNCT TEST. RIG UP WORK FLOOR AND TBG EQUIPMENT. POOH WITH 60 JTS 2.875 INCH N-80 TBG.

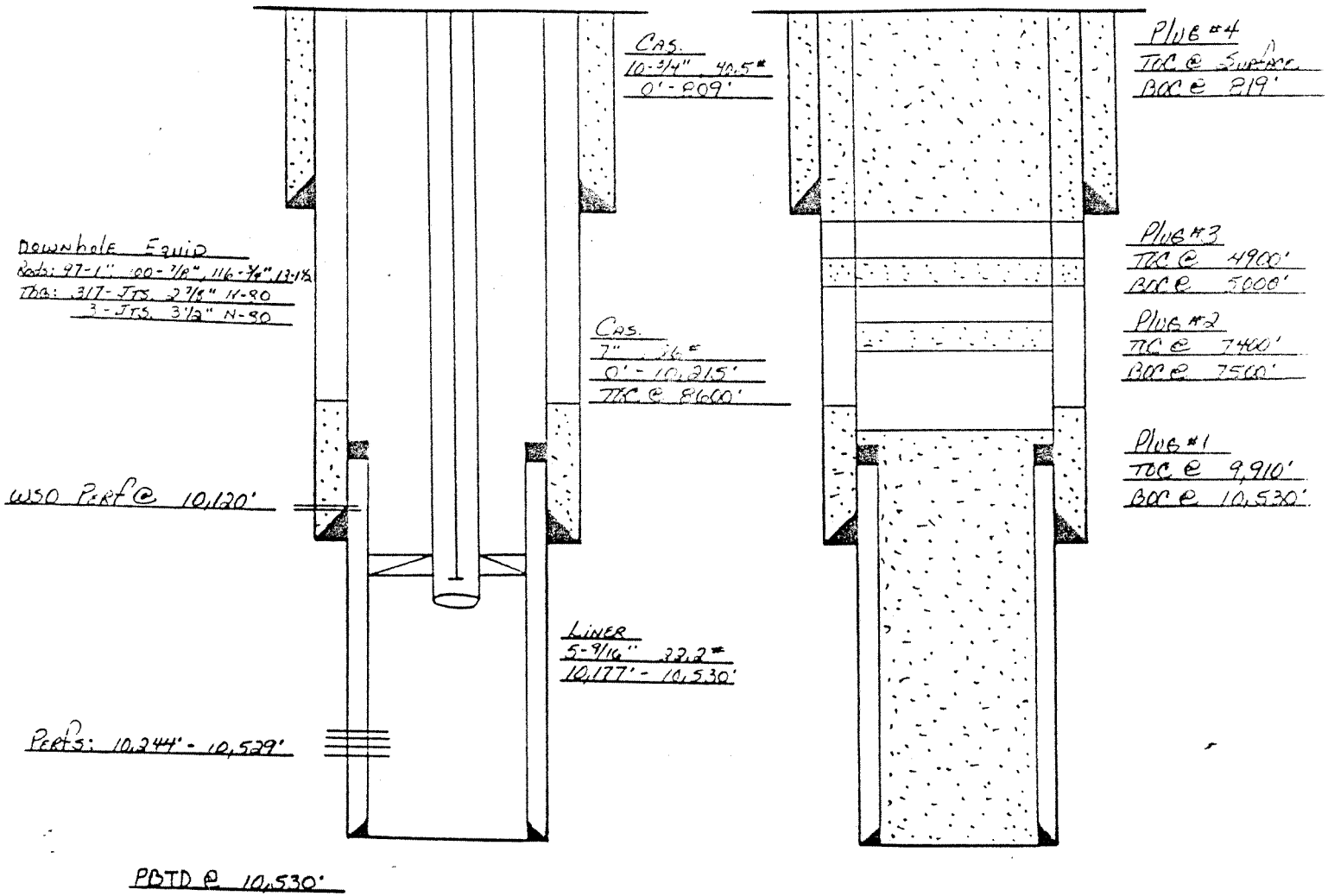
08/01/95
SERVICE RIG AND EQUIPMENT. OPEN WELL, NO PRESSURE. CONT POOH WITH 2.875 INCH PROD STRING. MEASURE ALL TBG TEST DRAIN AND PUMP TO 2000#. MAKE UP BAKER 7 INCH 26# CEMENT RETAINER. RIH WITH 158+1 SET RETAINER @ 10049 FT UNLATCH FROM RETAINER. RELATCH, TEST CSG TO 500# HOLD 200# ON CSG AND SLACK OFF 20000# ON RETAINER. RIG UP FCI. TEST LINES 300 LOW, 3000# HIGH. PUMP 10 BBL F/W AHEAD MIX AND PUMP 123 CU FT, 107 SX, CLASS G CMT DISPLACE WITH 48.6 BBL F/W STARTING PRESSURE 1100# @ 2 BPM FINAL 1500# 1.25 BPM. RELEASE STAB IN ASSEMBLY DISPLACE 8.2 BBL F/W @ 200# TO BALANCE CMT IN 7 INCH CASING. PULL 10+1 TO 9429 FT REVERSE CIRCULATE TBG CAPACITY @ 200#. CLOSE IN WELL EST TOC @ 9800 FT. EST CEMENT ABOVE

WELL: Newhall Land & Farm Co. #5
API #: 037-16476
Loc. Sec. 24, T-4N, R-17W
Job No: 60016004

Date: 2/27/95
JKS

Before

After



4. Last injected

9. Is this a critical we

The proposed work is
DOG TO WITNESS SETTING
1. MIRU. INSTALL AND TE
THE 5 9/16" LINER TO
2. PLACE A CLASS G CMT
ABOVE UPPER ZONE @ 1
3 PLACE A CLASS G CMT
PLUG FOR WELLBORE ISO
4. PLACE A CLASS G CMT P
PLUG FOR WELLBORE ISO
5. PLACE A CLASS G CMT PI
7" CASING *INSURE CM
CASING ANNULUS.
6. CUT OFF CASING @ 6' AN
IDENTIFIER AND CLEAN L

It is understo

Address ATTN: REGUL
P. O. BOX 1
MIDLAND, TX
(City)

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 5, Sec. 24, T 4N, R 17W, S.B. B. & M.

A.P.I. No. 0403716476 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 08/16, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrillin or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amoun of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

REPORT ON WELL CONTINUED:

08/01/95
RETAINER 45 CU FT 47 SX 249 FT 7 INCH CASING EST CEMENT BELOW RETAINER 69 CU FT 60 SX 481 FT 5 INCH & 7 INCH CASING.

08/02/95
OPEN WELL, NO PRESSURE. RIH TAG TOC @ 9826 FT. PULL TO 9806 FT, PUMP 80 BBL 9.7 PPG P&A MUD AND DISPLACE WITH 43 BBLS LEASE WATER. POOH, LAY DOWN 82 JTS 2.875 N-80 TBG. RIG UP FCI. WITH TBG TAIL @ 7514 FT, TEST LINES 300 LOW 3000 HIGH. PUMP 10 BBL F/W AHEAD MIX AND PUMP 32 CU FT 28 SX CLASS G CEMENT @ 200# DISPLACE WITH 43 BBLS F/W. PULL AND LAY DOWN 6 JTS REVERSE CIRC, TBG VOLUME, PUMP 80 BBL 9.7 PPG P&A MUD. DISPLACE 29 BBL F/W. PULLING OUT HOLE LAYING DOWN TBG CLOSE IN WELL. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, PETE R. WYGLE, WITNESS TAG OF PLUG @ 9826 AND PRESSURE TESTING 7 CSG TO 500#, ALSO WITNESSED PUMPING 80 BBL 9.7 PPG P&A MUD FROM 9826 TO 7500 FT.

08/03/95
OPEN WELL, NO PRESSURE CONT LAYING DOWN 2.875 N-80 TBG. POOH STAND BACK 81+1, RIG UP KFE WIRELINE. RIH WITH 4 CSG GUNS SHOOT 40 HOLES 10 FT F/5000 TO 4990 FT. RIG OUT WIRELINE. RIH WITH 2.875 IN TBG. W/TBG TAIL @ 5002, RIG UP FCI CEMENTERS TEST LINES 300 LOW & 3000 HIGH. PUMP 10 BBL F/W AHEAD, MIX & PUMP 72 CU FT 62.5 SX CLASS G CEMENT DISPLACE WITH 27 BBL F/W. PULL 10+0 TO 4382 FT REVERSE CIRCULATE TBG VOLUME. RIG UP FCI TEST LINES. ATTEMPT TO SQUEEZE DOWN TBG, DOWN 7 INCH CASING UP 9.875 OH. PRESSURE 700# STARTING FINAL 1000# SQUEEZED 5.5 BBLS. CLOSE IN WELL. TOC = 4808.

08/04/95
OPEN WELL, NO PRESSURE. RIH, TAG TOP OF CMT @ 4808 FT. PULL TO 4800 PUMP 158 BBL 9.7 PPG P&A MUD DISPLACE WITH 5 BBL F/W. POOH, LAY DOWN 137 JT 2.875 INCH TBG. RIG UP KFE WIRELINE RIH WITH 20 FT LING JET, SHOOT 80 HOLES FROM 799-819 POOH. RIH W/27 JTS TO 822 FT RIG UP FCI CEMENTERS TEST LINES 100# LOW, 1000# HIGH. PUMP 348 CU FT 401 SX DOWN 7 INCH AND UP 10.75 INCH CASING. POOH, LAY DOWN 27 JTS TBG TOP FILL 7 INCH CSG CLEAN BOP, WELLHEAD. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, PETER R. WYGLE, WITNESSED TAG @ 4808 FT AND MUD FROM 4808 TO 800 FT, ALSO WITNESSED THE PLACEMENT OF CEMENT IN 7 INCH & 10 INCH CSG FROM 819 FT TO SURFACE 401 SX.

08/07/95
RDMO. RD RIG FLOOR, NIPPLE DOWN BOP AND BOE LOAD OUT. CLEAN MUD PIT AND LOCATION MOVE OFF.

WELL IS PLUGGED TO SURFACE.

OPERATOR Exxon Corp. A.P.I. 037- 16476

WELL NO. "Newhall Land + Farming 60" 5 SECTION 04, T. 4 N, R. 17 W

MAP

INTENTION	Recomplete	Supp. Abandon				
NOTICE DATED	-92	5-3-95				
P-REPORT NUMBER	[illegible]	P295-149				
CHECKED BY/DATE						
MAP LETTER DATED	11/11/95					
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	[illegible]		5-8-95									
HISTORY			-27-95									
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS		✓				
OPERATOR'S NAME		✓				
WELL NO.		✓				
LOC & ELEV		✓				
SIGNATURE		✓				
SURFACE INSP.	5-3-95 MC	9/7/95 ✓				
DRILL CARD						
RECORD'S COMPLETE		FMN 9/22/95				

FINAL LETTER OK

MAILED

RELEASED BOND

INJECTION BOOK

IDLE WELL LIST

SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL

ABANDONED-REMOVED FROM E.D.P.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T295-134

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
August 11, 1995

Your operations at well "Newhall Land & Farming Co." 5, API No. 037-16476, Sec. 24, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 8-4-95. Pete Wygle, representative of the supervisor, was present from 1200 to 1400. There were also present J. Dean, Operator's Rep.

Present condition of well: 10 3/4" cem 809'; 7" cem 10,215', perf 10,120' WSO, perf & sqz 799'-819' & 4990'-5000'; 5 9/16" ld 10,177'-10,530', perf 10,204'-10,529'. TD 10,532'. Junk tbg below 10,053' w/pkr @ 10,073'. Plugged w/69 cf of cem below ret @ 10,049', w/cem 10,049'-9826', 7514'-7400'+, 5002'-4808', & 822'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging opeations as witnessed and reported are approved.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

VISION OF OIL, GAS, AND GEOTHERMAL RESOURCE

CEMENTING/PLUGGING MEMO

T295-134

Operator Exxon Corp Well No. "NL FEE CO" 5

API No. 032-12476 Sec. 24, T. 4N, R. 17W, SB B&M

Field Castaic Junction, County Los Angeles, On [illegible]

Mr. / Ms. [illegible], representative of the supervisor, was present from [illegible] to [illegible].

There were also present [illegible]

Casing record of well: [illegible]

The operations were performed for the purpose of [illegible]

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' are approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: [illegible]" shot/cut at [illegible]', _____', _____' pulled fr. _____';

_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	bbls.	Displaced	Poured	Fill	Engr.
9.5 ppg	[illegible]	89	[illegible]		[illegible]	[illegible]
"	[illegible]	"	[illegible]	"	[illegible]	"
"	[illegible]	"	[illegible]	"	[illegible]	[illegible]

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
[illegible]	[illegible]	[illegible]	"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	"	[illegible]	[illegible]	[illegible]	"	[illegible]
[illegible]	[illegible]	[illegible]	"	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	1340	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

OGD10 (11/93/GSR1/5M)

MEMC...NDUM OF TELEPHONE OR PERSONAL C...VERSATION

VENTURA, Calif.

7- 25 - 19 95

Operator EXXON CORP. Well No. "N.L 4F" 5

Field CASTAIC JUNCTION Sec. 24 T. 4N R. 17W B&M

personal
A telephone conversation was held, concerning above well, with Mr. KEN KENNEDY

295 - 8779 for above operator on 7 - 25 19 95 at 0900 M.

Details of the conversation were as follows:

FOUND JUNK BELOW 10053 (TBG. STUB @ 10053' & PACKER @ 10073'. MADE EFFORT TO REMOVE PACKER WITH NO LUCK. NOW PROPOSE TO SET RETAINER @ 10043' & SQUEEZE VOLUME EQUAL TO VOL. OF CSG. T.O.C TO BE 9910 OR ABOVE. WITNESS SQZ. & TAG

(Signed) Steve Mulqueen

Title

OG136 (11-74-GSR1-5M)

(see reverse side for proposed well operations)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P295-149

PERMIT TO CONDUCT WELL OPERATIONS

126 (field code)
00 (area code)
-- (new pool code)
25 (old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
May 22, 1995

Your supplementary proposal to abandon well "Newhall Land & Farming Co." 5, A.P.I. No. 037-16476, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ---------- area, Main pool, Los Angeles County, dated 5/3/95, received 5/8/95, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOGGR Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,529'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   A. To witness the location and hardness of the cement plugs at 9,910' and 4,900'.
   B. To witness the mudding of the well.
   C. To witness the placing of cement inside the 7" casing at the surface and all annuli.
   D. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By

Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

RECEIVED
MAY 08 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

Notice of Intention to Abandon Well

File in Duplicate

Supp.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well NEWHALL LAND & FARMING CO. 5, API No 0403716476,

Sec. 24, T 4N, R 13 W, S.B. B. & M., CASTAIC JUNCTION Field, LOS ANGELES County.

commencing work on 02/27, 1995.

The present condition of the well is:

1. Total depth 10530

2. Complete casing record, including plugs and perforations (present hole)

10 3/4" 40.5# @ 0'- 809' (SURFACE)
7" 26# @ 0' -10215' (PRODUCTION)
5 9/16" 22.2# @ 10177'- 10530' (LINER)

3. Last produced 08/01/1993 UKN
(Date) (Oil, B D) (Gas, Mcf/D) (Water, B D)

or

4. Last injected
(Date) (Water, B D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths):

5. Oil or gas shows
ZONE #10 @ 10010'

6. Stratigraphic markers

7. Formation and age at total depth

8. Base of fresh water sands 809'

9. Is this a critical well according to the definition on the reverse side of this form? ☒ Yes ☐ No

The proposed work is as follows:

DOG TO WITNESS SETTING OF ALL PLUGS
1. MIRU. INSTALL AND TEST A DOG CLASS III BOP. CLEAN OUT THE 5 9/16" LINER TO PBTD @10530'
2. PLACE A CLASS G CMT PLUG FROM 9910-10530 CMT TO 100' ABOVE UPPER ZONE @ 10010
3 PLACE A CLASS G CMT PLUG FROM 7400-7500 SETTING 100' PLUG FOR WELLBORE ISOLATION
4. PLACE A CLASS G CMT PLUG FROM 4900-7500 SETTING 100' PLUG FOR WELLBORE ISOLATION
5. PLACE A CLASS G CMT PLUG FORM 819 BACK TO SURFACE IN 7" CASING *INSURE CMT RETURNS THROUGH THE 7" ,10 3/4 CASING ANNULUS.
6. CUT OFF CASING @ 6' AND WELD PLATE WITH WELL IDENTIFIER AND CLEAN LOCATION . DOG TO INSPECT

PLEASE CALL RESERVOIR ENGINEERING, JIM SHIRLEY @ (915 688-6698 WITH ANY QUESTIONS REGARDING THIS PROCEDURE

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address ATTN: REGULATORY AFFAIRS ML#14 (Street)
P. O. BOX 1600
MIDLAND, TX 79702
(City) (State) (Zip)

Telephone Number (915) 688-6166
(Area Code) (Number)

EXXON CORP.
(Name of Operator)

By Sharon B. Timlin
(Print Name)

Sharon B. Timlin
(Signature) 05/03/95 (Date)

OG108(5/90/GSR1/5M)

SUBMIT LOG IN DUPLICATE

FILL IN BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PA ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
JUL 5 1951
LOS ANGELES

WELL SUMMARY REPORT

Operator HUMBLE OIL & REFINING COMPANY Field Castaic Junction

Well No. Newhall Land & Farming Co. #5 Proj. Sec. 24, T. 4 N, R. 17 W, S. B. B. & M.

Location 2811' S and 11,255' E from Corner 11, Rancho San Francisco, Los Angeles County, California Elevation of ~~derrick floor~~ ground above sea level 1300 feet.

In compliance with the provisions of Chapter 93, Statutes of 1939, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date June 29, 1951

Signed [signature] John S. Bell

H. Q. Parkinson
(Engineer or Geologist)

(Superintendent)

Title District Superintendent
(President, Secretary or Agent)

Commenced drilling March 27, 1951 Completed drilling June 6, 1951 Drilling tools ~~Cable~~ Rotary

Total depth 10,532 Plugged depth -

Junk None

GEOLOGICAL MARKERS	DEPTH
Top Delmontian	8,236
Top Mohnian	10,032

Commenced producing June 5, 1951 (date) Flowing ~~/gas lift/pumping~~ (cross out unnecessary words)

	Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production	652.3	19.	2/10	261	1000	40
Production after 30 days						

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Casing landed in	Number of Sacks of Cement	Depth of Cemen if through perfor
10-3/4	809.15	14.27	40.5	New	Seamless	J-55	16	650	-
7	10,215	14.27	23, 26, 29 32	New	Seamless	N-80	9-7/8	350	-
5-9/16	10,530	10177	22.20	2nd Hand	Liner	D	9-7/8	-	-

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
7"	10120 ft.	10120 ft.	Four 1/2" shots for WSO	-	-	Gun Perforater
5 9/16	10204 ft.	10477 ft.	92-4/4" holes/ft.			
"	10477 ft.	10529 ft.	80-mesh Slotted			
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 1001, 8070, 9111, 10015, 10532 (Attach Copy of Log)

FORM 103
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
JUL 5 1951
LOS ANGELES

History of Oil or Gas Well

OPERATOR HUMBLE OIL & REFINING COMPANY FIELD Castaic Junction

Well No. Newhall Land & Farming Co./#5 Sec. Proj. 24, T. 4 N, R. 17 W, S. B. B. & M.

Signed
John S. Bell
Title District Superintendent
(President, Secretary or Agent)

Date June 29, 1951

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

Date		
		Well drilled by Reiffel and Brothers Company with extra-heavy power rotary rig and conventional derrick.
/2/51		Location made.
/15/51 to /23/51		Building road, preparing location and erecting derrick.
/24/51 to /26/51		Rigging up.
/27/51	73	Dug rat hole, spudded 12-1/4" hole at 9:00 P.m.
/28/51	562	Drilling.
/29/51	1001	Ran Schlumberger electric log at 1001'. Opened 12-1/4" hole to 16" to 570'.
/30/51	1001	Opened hole to 16" to 812'.
		Ran and set 10-3/4" casing as follows:

1 - 10-3/4" Baker Guide Shoe	1.55
1 jt. 10-3/4" 40.5 8R thd. J-55 First Class Casing	40.21
1 - 10-3/4" Baker Float Collar	1.57
20 jts. 10-3/4" 40.5 8R thd. J-55 First Class Casing	751.55
Total Casing Set	794.88
Distance top of rotary drive to top of Bradenhead	14.27
Casing Set At	809.15

		Cemented with 650 sacks of cement. Used 3 Baker Type "G" centralizers spaced at 807, 763 and 725'.
/31/51	1001	Flanging up and installing blowout preventer while waiting on cement to set.
4/1/51	1467	Tested casing and blowout preventer, okay for 15 minutes with 1,000# pressure. Drilled plug. Drilling 9-7/8" hole.

DIVISION OF OIL & GAS
RECEIVED
JUL 5 1951
LOS ANGELES

4/2/51 to 4/24/51	7923	Drilling.
4/25/51	8070	Ran Schlumberger electric log at 8070'. Ran dipmeter.
4/26/51 to 5/2/51	9024	Drilling.
5/3/51	9111	Ran Schlumberger electric log at 9111'. Took sidewall samples at 7905, 8067, 8348, 8440, 8608, 8767 and 8773'.
5/4/51	9217	Ran Schlumberger dipmeter at 950-980, 1810-1840, 2545-2565, 3350-3380, 4190-4220, and 8515-8540'.
5/5/51	9293	Left cone off rock bit in hole at 9221'. Ran Globe basket but obtained no recovery of junk.
5/6/51	9409	Went in hole with bit and sidetracked junk.
5/7/51	9483	Cored with 7-5/8" Reed wire line equipment 9478-9483'.
5/8/51	9559	Cored 9483-9515'. Opened 7-5/8" hole to 9-7/8" and resumed drilling.
5/9/51	9638	Drilling.
5/10/51 to 5/13/51	9973	Drilling.
5/14/51	10015	Ran Schlumberger electric log at 10015'. Took sidewall samples at 9885, 9860, 9840, 9775 and 9740'.
5/15/51 to 5/16/51	10190	Drilling.
5/17/51	10265	Cored with 7-5/8" Reed wire line equipment 10260-10265'.
5/18/51	10279	Cored 10265-10279'. While breaking out bit, broke bottom off bit breaker; junk fell in hole. Ran 9-7/8" bit and opened hole 10260-10261'.
5/19/51	10290	Ran 7-5/8" Globe junk basket 10279-10281'. No recovery. Ran 7-5/8" junk basket 10281-10283'. No recovery. Cored with 7-5/8" Reed wire line equipment 10283-10290'.
5/20/51	10319	Cored 10290-10308' with Reed wire line equipment. Ran Truco diamond core barrel and cored 10308-10319', incomplete.
5/21/51	10358	Cored 10319-10358' with diamond core barrel.

DIVISION OF OIL & GAS
RECEIVED
JUL 5 1951
LOS ANGELES

5/22/51	10358	Made drill stem test of interval 10274-10358' using 2500' water cushion, 3/8" bottom and 1" top chokes. Tool open 1 hour, closed 1 hour for shut-in pressure test. Strong blow throughout test. Recovered water cushion and 7353' of oil. Pressures - initial mud 5800, final mud 5750, minimum flowing 2750, maximum flowing 5800, shut in 4950.
5/23/51	10358	Opened core hole 10261-10358. Now going in hole with Truco diamond core barrel.
5/24/51	10408	Cored 10358-10408'.
5/25/51	10458	Cored 10408-10458'.
5/26/51	10483	Cored 10458-10483'.
5/27/51	10532	Cored 10483-10532'.
5/28/51	10532	Opened core hole to 9-7/8" to 10532'.
5/29/51	10532	Finished opening hole. Ran Schlumberger electric log at 10532'. Ran micro log at 10,100-10517'. Ran hole Caliper to 10517'. Ran dipmeter at the following stations - 10455-10485, 10260-10285, 9975-10010, and 9475-9510'.
5/30/51	10532	Laying down drill pipe preparatory to running 7" casing.
5/31/51	10532	Ran 10200.73' of 7" N-80 SS casing. Casing set at 10215' and cemented with 350 sacks. Baker Type "G" centralizers used at 10212, 10140 and 9958'. Halliburton rotary scratchers 9960-10020, 10135-10145, and 10170-10215'. 7" casing detail:

1 - 7" Guide Shoe	1.45
1 jt. 32# N-80 LT&C	43.98
1 - 7" Float Collar	1.53
2 jts. 32# N-80 LT&C	88.10
48 jts. 29# N-80 LT&C	1944.60
50 jts. 26# N-80 LT&C	2144.56
112 jts. 23# N-80 LT&C	4506.98
28 jts. 26# N-80 LT&C	1206.90
5 jts. 29# N-80 LT&C	195.50
2 jts. 32# N-80 LT&C	67.03
	10200.73
Distance top of rotary drive to Bradenhead	14.27
Casing set at	10215.00

Removed rotary table and blowout preventers. Landed 7" casing. Located top of cement with Halliburton temperature survey at 9395'. Connecting blowout preventers while waiting on cement to set.

6/1/51	10532	Finished connecting blowout preventers. Picked up 2-7/8" drill pipe, tested casing and blowout preventers, okay for 15 minutes with 1500#.

DIVISION OF OIL & GAS
RECEIVED
JUL 5 1951
LOS ANGELES

6/2/51 10532 Perforated 7" casing with four 1/2" holes at 10120' with Lane Wells gun perforator. Made water shut-off test with packers set at 10100'. Used 2500' water cushion, 3/8" bottom and 1" top chokes. Tool open 1 hour, very light blow throughout test. Recovered water cushion and 1111' of oil, gas cut mud. Water shut-off test witnessed and approved by Mr. J. L. White, Inspector. Pressures - initial mud 5350, final mud 5200, minimum flowing 1150, maximum flowing 1350.

6/3/51 10532 With cement retainer set at 10097' squeezed 23 sacks of cement through perforations at 10120'. Broke formation with 3800# pressure. final pressure 6000#. Found top of cement at 10103', bottom at 10117'. Drilled out and cleaned hole to bottom at 10532'.

6/4/51 10532 Ran and set 352.92' of 5-9/16" liner. Bottom of liner at 10530'. Now running tubing. Liner detail:

1 - Baker Guide Shoe	1.40
2 jts. 5-9/16" 22.2# 80 mesh slotted liner	52.00
10 jts. 5-9/16" 22.2# liner perforated with ninety-two 1/4" holes per ft.	272.68
1 jt. 5-9/16" 22.2# blank liner	25.66
1 - Burns liner hanger	1.18
Total liner	352.92

6/5/51 10532 Finished running tubing, connected Christmas Tree, displaced mud with oil. Washed well from 9:00 A.M. to 12:00 Noon. Well started flowing 12:00 Noon, turned to tanks 5:30 P.M. Flowing through 1/4" choke. Tubing detail

1 jt. EUE 4.70# J-55 tubing	30.68
1 - 2" perforated nipple	7.95
11 jts. 2" EUE 4.70# J-55 tubing	340.42
284 jts. 2-1/2" EUE 6.50# J-55 tubing	8634.03
47 jts. 2-1/2" EUE N-80 tubing	1443.14
Total tubing	10456.22
Distance from top of rotary drive bushing to top of tubing head	12.70
Set at	10468.92

6/6/51 10532 TD. Dismantled rig. Well completed as a flowing oil well. On 24-hour test, well flowed 652.3 barrels of 19.7 gravity oil through 1/4" choke. Gas volume 261 MCP, GOR 400, tubing pressure 1000#, casing pressure 400#, cut 2/10 of 1%.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

November 8, 1995

Exxon Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 6,

A.P.I. No. 037-16477, Section 24, T. 4N, R. 17W, S.B. B.& M.,

Castaic Junction field, Los Angeles County,

dated 09-01-95, received 09-22-95, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

William F. Guerard, Jr
State Oil and Gas Supervisor

svl

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

Modified OG159 (4/94)

OPERATOR Elpox Corp
WELL NO. "Newbell Land & Farming Co" 6
MAP 253

INTENTION	A12	Abandon				
NOTICE DATED	7-25	9-1-94				
P-REPORT NUMBER						
CHECKED BY/DATE						
MAP LETTER DATED		11/11/95				
SYMBOL		+1				

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE			7-30-94									
HISTORY			9-22-95									
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS		✓				
OPERATOR'S NAME		✓				
WELL NO.		✓				
LOC & ELEV		✓				
SIGNATURE		✓				
SURFACE INSP.		9/9/95 FMN ✓				
DRILL CARD						
RECORD'S COMPLETE		FMN 9/22/95				

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS:

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

RECEIVED
SEP 22 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 6, Sec. 24, T 4N, R 17W, S.B. B. & M.

A.P.I. No. 0403716477 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistar (President, Secretary or Agent)

Date 09/01, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrill or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amou of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

08/18/95
MIRU. MOVE RIG TO LOCATION. RIG UP HOT OIL TRUCK PUMP 50 BBL DOWN TBG @ 200#. RIG OUT HOT OIL TRUCK. MIRU. GUY RIG OUT FULLY. RIG UP PUMP AND KILL LINE. PUMP 50 BBL 9.6 PPG BRINE DOWN TBG. RIG UP GOLDEN STATE WIRELINE. RIH W/1.93 DRIFT TO 300 FT. POOH. RIH WITH 2.375 SLIP TYPE PLUG TO 190 FT, SET. POOH. RIG TO NIPPLE DOWN TREE. CLOSE IN WELL.

08/21/95
OPEN WELL, TBG 100# PSI, CSG 0# PSI. BLEED WELL DOWN. NIPPLE DOWN PROD TREE. NIPPLE UP CLASS II BOP. RIG UP BOE. RIG UP WORKING FLOOR & TBG EQUIPMENT. RIG UP WIRELINE. RIH RETRIEVE TBG PLUG FROM 190 FT. BLEED TBG, POOH, RIG OUT WIRELINE. UNLAND TBG. WORK STUCK PKR @ 80,000 # CLOSE IN WELL.

08/22/95
OPEN WELL. RIG UP KFE WIRELINE. RIH WITH 1.625 INCH JET CUTTER WITH EXTRA POWER CUTTER. LOCATED PKR @ 10802 FT AND BOTTOM PACKER @ 10810 FT. CUT 2.375 INCH TBG AT 10822 FT. POOH, WORK STUCK PACKER, NO MOVEMENT. RIG UP WIRELINE. RIH WITH 1-11/16 INCH JET CUTTER. CUT TBG @ 10788 FT, 14 FT ABOVE PACKER. POOH, RIG OUT WIRELINE, LAY DOWN 2 JTS FILL TBG WITH 12.5 BBL LEASE WATER. PUMP 20 BBL F/W MEASURE OUT 2.375 N-80 TBG. FILL TBG AND CSG WITH 40 BBL L/W CLOSE IN WELL.

08/23/95
OPEN WELL, NO PRESSURE. DO NOT MEASURE OUT OF HOLE. PUMP 30 BBL DOWN CSG. PICK UP 5 JTS 2.875 TBG. RIH, TBG TAIL @ 10750, CIRCULATE 350 BBL F/W DOWN WELL, RETURNS TO BAKER TANK. CIRCULATE OUT BRINE WATER. RIG UP FCI CEMENTERS, TEST LINES LOW 300 # & 3000# HIGH. MIX AND PUMP 258 CU FT 224 SX CLASS G CEMENT W/2% FRI REDUCER, 3% RETARDER, 1% F/L. DISPLACE WITH 37.5 BBL L/W @ 700#. RIG OUT CEMENTERS. POOH WITH 30+0 TO 8890 FT. REVERSE 35 BBL 20 MIN. RIG UP CEMENTERS SQUEEZE AWAY 10 BBL @ 1000#. CLOSE IN WELL. PETE R WYGLE, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, APPRV TO SHOOT BETWEEN PACKERS AND CUT TBG @ 10,788 FT, SQUEEZE CEMENT FROM 10797 - 11730 FT.

08/24/95
BLEED WELL, 600#. RIH TAG TOC @ 9755 FT. RIG UP CEMENTERS. W/TBG TAIL @ 9750 TEST LINE 300# LOW, 3000# HIGH. PUMP 10 BBL F/W AHEAD. MIX & PUMP 55 CU FT, 48 SX CLASS G CEMENT @ 500# MAX. DISPLACE WITH 37 BBL F/W. PULL 10+0 TO 9135 FT. REVERSE CIRCULATE WAIT ON CMT, 3 HRS. RIH, TAG TOC @ 9504 FT. MUD WELL FROM 9504 - 6400 W/9.7 PPG P&A MUD. POOH, LAY DOWN 138 JTS OF 2.375 INCH TBG. CLOSE IN WELL. PETER R. WYGLE, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, APPROVED PLUG @ 9504 AND MUD OPERATIONS FROM 9500-6400.

08/25/95
OPEN WELL, NO PRESSURE. REVERSE CIRCULATE WELL. RIG UP FCI CEMENTERS. TEST LINES. MIX AND PUMP 26 CU FT 23 SX CLASS G CEMENT F/6422 FT TO 6300. DISPLACE WITH 24.5 BBL F/W. PULL 5 JTS TBG TO 6307. PUMP 68 BBL

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 6, Sec. 24, T 4N, R 17W, S.B. B. & M.

A.P.I. No. 0403716477 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistan (President, Secretary or Agent)

Date 09/01, 19 95

Signature Julie H Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilli or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amou of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

REPORT CONTINUED: PG 2 OF 2

08/25/95
9.7 PPG P&A MUD. POOH, LAY DOWN 60 JTS 2.375 INCH TBG. POOH STAND BACK 71+1 2.375 TBG. RIG UP KFE WIRELINE. RIH W/10 FT 40 SHOT 2.125 LING JET GUNS (OPEN 10.75 INCH CSG). RIG OUT WIRELINE. RIH W/171+1 TO 4528. RIG UP CEMENTERS MIX AND PUMP 85 CU FT 74 SX CLASS G CMT @ 500 DISPLACE WITH 16 BBL F/W. PULL 15+0 TO 3600 FT. REVERSE CIRCULATE. RIG UP CEMENTERS ATTEMPT TO SQUEEZE CEMENT @ 1000# DOWN SQUEEZE APPROX 3 BBL. CLOSE IN WELL. ESTIMATED TOC @ 4210 FT.

08/28/95
RDMO. TAG TOC 4243 FT. CIRCULATED FROM 3243 - 750 FT WITH 9.7 PPG P&A MUD (140 BBLS). LAY DOWN 137 JT 2.375 INCH TBG. STOOD BACK 13+0. RIG UP KFE WIRELINE 80 HOLE CAVITY SHOT FROM 773-793 FT. RIG UP FCI CEME' TRUCK. WITH TBG TAIL @ 822 FT MIXED AND PUMPED 474 CU FT CLASS G CEM. AND GOT RETURNS ON BOTH 7 AND 10.75 INCH CASINGS. LAYED DOWN TBG TOPPED OFF 7 INCH CSG WITH CEMENT. RIGGED DOWN AND CLEANED LOCATION. STEPHEN MULQUEEN, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, APPROVED TAG OF CMT AS REPORTED @ 4243 FT, MUDDING 4243-750 FT, APPROVED SURFACE PLUG FROM 822 - 5 FT INCLUDING ANNULUS.

WELL IS PLUGGED TO SURFACE.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T295-158

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
September 11, 1995

Your operations at well "Newhall Land & Farming Co." 6, API No. 037-16477,
Sec. 24, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County,
were witnessed on 8-28-95. Steve Mulqueen, representative of
the supervisor, was present from 1200 to 1400. There were also present
John Dean, Operator's Rep.
Present condition of well: 10 3/4" cem 795'; 7" cem 11,730', perf 9600' WSO, cp 773'-793',
cp 4490'-4500', cp 9850', 10,847', 10,937' & cp 11,707', perfs @ int 10,820'-11,730'.
Junk below 10,822'. TD 12,019'. Plugged w/cem 10,750'-9504', 6422'-6300' +, 4528'-4243'
& 822'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

VISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CEMENTING/PLUGGING MEMO

T295-100

Operator Exxon Corp. Well No. "NL&F" 6
API No. 037-16477 Sec. 24, T. 4N, R. 17W, SB B&M
Field Coastal Junction, County LA. On 8-28-95
Mr. / ~~Ms.~~ STELE MULQUEEN, representative of the supervisor, was present from 1200 to 1400.
There were also present John Dean operator's rep
Casing record of well: 10 3/4" cem 795'; 7" cem 11730', perf 9600' uso, cp 773'-793', cp 4190'-4500', cp 9850' 10847', 10937' & cp 11707', perfs @ INT/10820'-11730'. Junk below 10822. TD 12019. Plugged w/ cem
The operations were performed for the purpose of abandonment
10750'-9504', 6422'-6300'±, 4528'-4243' & 822'-5'.

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' are approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
				8-23	tbg 9300	258 cf	–	10755	55 cf	1200	9850-9851
				8-28	TBG 4528'	85 cf	4243'±	4243'	5 BBL	1000	4490-4500
				8-28	TBG @ 822'	474 cf	5'	5'	150 cf±	200	773-793

Casing/tubing recovered: perf 4-1/2" hyd 7" " shot/cut at 9850-9851 (REPERFORATE 773-793 &)', _____', _____' pulled fr. _____';
2 3/8 "-shot/cut at 10,822', _____', _____' pulled fr. _____'.
Junk (in hole): Tbg 10788'-11,495' w/pkrs @ 10,797' & 11,303'. cut @ 10,822'.
Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	bbls.	Displaced	Poured	Fill	Engr.
9.7 ppg		120 bbl	tbg 9504	–	to 6400	
"		68	TBG @ 6300'	–	4528'±	REP.
"	8-28-95	140	TBG @ 4243'		750'±	"

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
8-23-95	258 cf	tbg 10,750	–	rptd	10,755	8K ✗ tbg	–	–
8-24-95	55 cf	✓ 10,750	–	✓	9504	✓	8-24 1300	PRW
	26 cf	TBG @ 6422'		"	6300'±			
	85 cf	TBG @ 4528'		"	4243'		8/28	SPM
8-28	474 cf	TBG @ 822'	1300	SPM	5'	VISUAL	8/28 1400	SPM

OGD10 (11/93/GSR1/5M)

STATE OF CALIFORNIA–THE RESOURCES AGENCY PETE WILSON, *Governor*

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
1000 SOUTH HILL ROAD, SUITE 116
VENTURA, CALIFORNIA 93003-4458
(805) 654-4761
TELEFAX (805) 654-4765

July 10, 1995

"NLHF" 6
037-16477
24-4-17

Stephen Johnson
EXXON CORPORATION
P.O. Box 1600
Midland, Texas 79702-1600

Dear Mr. Johnson:

In your letter dated July 6, 1995, you have requested an extension of the permits to plug and abandon for wells in the Castaic oil field. As the work will be commencing on the project in the very near future, the request is granted.

If you have any questions, please contact me at (805) 654-4761.

Sincerely,

Steven A. Fields
Operations Engineer

copy of extension letter w/ copy of this letter in each well file listed below

EXXON COMPANY, U.S.A.
POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702-1600

MIDLAND PRODUCTION ORGANIZATION
OPERATIONS INTEGRITY

July 6, 1995

RECEIVED
JUL 07 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Permit Extensions
Plug & Abandon Permits
Newhall Land & Farming Lease
Los Angeles County, California

Resources Agency of California
Department of Conservation
Division of Oil and Gas, District 2
1000 South Hill Rd., Suite 116
Ventura, California 93003-4458

Attention: Mr. Steve Fields

Exxon requests a one year extension of the plug and abandon permits for wells listed in the table below. Plugging of these wells is scheduled to begin later this year.

LEASE NAME	WELL	API NO.	PERMIT NO.	EXPIRATION DATE
Newhall Land & Farming Co.	70	04-037-16529	P294-164	07/15/95
Newhall Land & Farming Co.	51	04-037-13527	P294-163	07/15/95
Newhall Land & Farming Co.	23	04-037-16494	P294-162	07/15/95
Newhall Land & Farming Co.	6	04-037-16477	P294-166	07/15/95
Newhall Land & Farming Co.	26	04-037-16497	P294-181	08/03/95
Newhall Land & Farming Co.	24	04-037-16495	P294-180	08/03/95
Newhall Land & Farming Co.	19	04-037-16490	P294-183	08/03/95

If you have any questions concerning this request, please call me at (915) 688-7875.

Sincerely,

S. Johnson

Stephen Johnson

SJJ:mym
7\casp&a.ltr

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P294-166

PERMIT TO CONDUCT WELL OPERATIONS

126 (field code)
00 (area code)
-- (new pool code)
15 (old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
July 15, 1994

Your _____ proposal to abandon well "Newhall Land & Farming Co." 6, A.P.I. No. 037-16477, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ---------- area, Main pool, Los Angeles County, dated 7/11/94, received 7/13/94, has been examined in conjunction with records filed in this office.

→ Permit extend as per STF 7/10/95

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOGGR Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 11,730'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   A. To witness the location and hardness of the cement plugs at 10,747', 9500', and 683'.
   B. To witness the mudding of the well.
   C. To witness the placing of cement inside the 7" casing and all annuli.
   D. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____

Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

126
8/2
15

Notice of Intention to Abandon Well

RECEIVED
JUL 13 1994
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

FOR DIVISION USE ONLY			
		FORMS	
CARDS	BOND	OGD114	OGD121
✓	BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #6 (Well designation), API No. 037-16477

Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 8/15/94, 1994.

The present condition of the well is:

1. Total depth 11,730'

2. Complete casing record, including plugs and perforations
(Present hole)
10 3/4" 40.5# casing @ 0'-783'
7" 26/29/32/36# casing @ 0'-11,730' Perfs:10,847'-11,730'
WSO: 9850'& 9600'

3. Last produced 1/86 N/A
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

OR

4. Last injected _____
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Upper Oil or gas shows
Zone 15: 10,847'

6. Stratigraphic markers:

7. Formation and age at total depth: Puente

8. Base of fresh water sands: 783'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1. MIRU, install and test a DOG class II BOP.
2. RIH and clean out to the bottom of the 7" casing @ 11,730'.
3. Place class "G" cement plug from 11,730'-10,747', cementing to 100' above the upper most perf @ 10,847' with TOC @ 10,747'.
4. Place class "G" cement plug from 9850'-9500', cementing to 100' above the top of the WSO @ 9600' with TOC @ 9500'.
5. Shoot the 7" casing with 4 spf @ 783'-773', pump and squeeze a class "G" cement plug to 100' above the base of freshwater @ 783' with TOC @ 683'.
6. Shoot 4 holes @ 100' in the 7" casing, pump and squeeze a class "G" cement plug from 60' to surface getting returns in casing/conductor annulus.
7. Cut off casing @ 5' and weld plate with well identifier, clean location. DOG will inspect.

- Please contact Reservoir Engineering, Isaiah Del Toro @ (915) 688-6639 with any questions regarding this procedure.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

DIVISION OF OIL AND GAS
RECEIVED
DEC 27 1985
SANTA MARIA, CALIFORNIA

Operator EXXON COMPANY, U.S.A. Field Castaic Jctn County L. A.
Well Newhall Land & Farming Co. #6, Sec. 24, T 4N, R 17W SB B. & M.
A.P.I. No. 037-16477 Name K. D. Getz (Person submitting report) Title R&R Actg Sect Head (President, Secretary or Agent)
Date December 19, 1985

Signature K D Getz

P. O. Box 5025, Thousand Oaks, California 91359 (Address) (805) 494-2100 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
7-10-85	MIRU.
7-11-85	RIH, latched onto valve at 9526', jarred on valve for approx one hr. Wire parted, SIFN.
7-12-85	RIH to break wire off rope socket at 9526'; found tools gone. Ran 1-1/2 impression block; got picture of wire at 9450'. Ran spear fished wire. Ran impression block, stopped at 11486, picture of junk. Pulled valves, all valves dummy. Had hole in tubing, moved off, could not set tools.
7-13-85 to 8-08-85	No well work.
8-09-85	MIRU anchors and guy lines. Rigged up to pull well.
8-10-85 to 8-11-85	No well work.
8-12-85	Rigged up workover equipment and tank. Mixed 100 bbls lease water with 21 sacks potash, 8.5# and pump down with approx 1500# psi. Made up second tank - 100 bbls 8.6# and pumped down short string at 1500# psi. Well flowed approx 30 bbls oil. Short string bled down to approx 100 psi. Installed back pressure valves in both strings, used lubricator on short one. Removed tree and installed BOP equipment.
8-13-85	Rigged up; returned line to tank. Cleaned out tank, mixed 31 sacks potash with 100 bbls lease water 8.9# and pumped 40 bbls down short string. Rigged up work floor and rig. Took hold of short string, worked free. Rigged up pump hoses to short string and started circ down hole with 400# pressure held on casing. Circ hole clean. POH with tubing.

8-14-85 POH with tubing, laid down pipe, rigged up wireline free point a RIH to 9032'; pipe free. RIH to 9610', found pipe stuck. Made up tool for cut, RIH and set down at 2698'. POH with tool, RIH to 9562'. Backed off tubing, started POH with hydril.

8-15-85 POH with hydril tubing, hung up in first mandrel at 2698'. Made up fishing tools.

8-16-85 Jarred on packer from 90,000 to 102,000. Jars quit working. POH with tubing to change jars and grappel. RIH and took hold of fish. Started jarring on fish at 100,000 to 110,000; packer did not free. Rigged up McCullough. Ran free point to 9578', found packer free. RIH with chemical cutter to 10,887 and made cut. POH.

8-17-85 POH with fishing tools, packer and tail after making chemical cut at 10887'. RIH with 25 singles of hydril on bottom and work string. Hooked up pump and broke circ. Backscuttled down to 11,415. Backscuttled clean, POH with tubing. Made up overshot with grapple, jars and drill collars. RIH.

8-18-85 RIH, took hold of fish at 10,887, worked free. POH with pipe tools and 17singled, hydril and seal assembly. Made up packer milling assembly and latched stinger. RIH and milled over packer slips. Circ clean and POH with fishing tools and packer.

8-19-85 POH, laid down impression block with good impression of wire li tools. Made up overshot with grapple, bumper sub, jars a excellerator. RIH to top of fish, broke circ, worked over fish; worked free. POH with wireline tools. Made up magnetic tools, RIH with same. POH, had very little metal. Made second run with same, very little metal on tool. Ran impression block on single of tubing and sand line down to 11,485.

8-20-85 Pulled killstring. Made up fishing tools, stinger, plucker for packer and mill shoe with excellerator. RIH, broke circ, rigged up and started milling. Unable to get packer with stinger. POH, removed packer stinger. Made up mill shoe with collar excelerator. RIH to top of packer. Rigged up power swivel and started milling on same to 11,485.

8-21-85 Cont'd milling on top of packer for 2 hrs before making any progress. Milled on packer approx 5 hrs before it started slipping down hole. POH with tubing, removed mill shoe. Made up over shot, jars and collars. RIH with tubing to fish 11,700; took hold of fish and worked free. POH with tubing and fishing tool assembly. RIH with tools, set down at 11,693'.

8-22-85 Installed stripper, rigged pump lines to clean out. Backscuttled hole and worked STC from 11,693'-11,695'; unable to work deeper.

Hand pieces of packer slips, iron, shaving and rubber. Backscuttled hole clean. POH with tubing, laid down bumper sub, scraper and tail down. Filled hole with KCL water. Made up bridge plug and set at 120'. Tested to 500 psi, o.k. Tore out floor, installed tubing head. Tested wellhead to 2500 psi, good. Installed BOP and tested to 2500 psi, good. RIH with tubing, set bridge plug to 10,827, set fullbore at 10,750'; pressure tested bridge plug to 1500 psi. Pressure tested annulus to 1500 psi, released fullbore, retrieved bridge plug at 10,827'. POH with tubing.

8-23-85 POH with tubing, laid down fullbore and bridge plug. POH with 20 bbls killstring. SIFN.

8-24-85 Circ at 11,740' for one hour. POH with tubing, laid down mill and tools. Made up four singles of tail, scraper and bumper sub. RIH with tubing to 11,720'. Broke circ, cleaned out same to 11,745'. Reverse circ, kept working down slowly to 11,745'. Circ clean, POH, laid down work string.

8-25-85 Rigged up Sperry, ran loggers and directional to 11,000 and tore out Sperry. Rigged up McCullough, RIH and set 7" production packer at 11,490'; tore out McCullough. Rigged up hydro test, made up seal assembly and started testing in hole with tubing and mandrils.

8-26-85 Finished testing tubing and pumps. Rigged up pump pressure to 1000; Psi pressure up tubing to 3000 to blow. RDMO.

8-27-85
to
9-16-85 Well on test.

9-17-85 FINAL REPORT ON WELL.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 285-239

126 (field code)
00 (area cod
00 (new pool code)
00 (old pool code)

PERMIT TO CONDUCT WELL OPERATIONS

L. M. Smedley, Agent
EXXON Corporation
P.O. Box D.O.
Ventura, CA 93002

Santa Paula, California
July 31, 1985

Your _____ proposal to Alter Casing well "Newhall Land & Farming Co.", 6 A.P.I. No. 037-16477, Section 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction field, any area, no breakdown pool, Los Angeles County, dated 7/25/85, received 7/26/85 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Hole fluid of sufficient quality and quantity shall be maintained in the hole to control any subsurface condition, and a reserve supply shall be on hand for emergencies.
2. Blowout prevention equipment of at least DOG Class II 2M shall be installed and maintained in operating condition at all times.
3. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.

Blanket Bond
MS:ljg

Engineer Michael Stettner

Phone (805) 525-2105

M. G. MEFFERD, State Oil and Gas Supervisor

By _____
Deputy Supervisor

A copy of this report and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (6/84) (DWR 8 (5M))

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Notice of Intention to Rework Well

DIVISION OF OIL AND GAS
RECEIVED
JUL 26 1985
SANTA PAULA, CALIFORNIA

This notice and indemnity or cash bond shall be filed, and approval given, before rework begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

FOR DIVISION USE ONLY		
BOND	FORMS	
	OGD 114	OGD 121
BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to rework well "NEWHALL LAND & FARMING Co." no. # 6, API No. 037-16477
(Well designation)

Sec. 24, T. 4N, R. 17W, S.B. B. & M., CASTAIC JUNCTION Field, LOS ANGELES County.

The present condition of the well is as follows:

1. Total depth 11766

2. Complete casing record, including plugs and perforations
   - 10¾", 40.5# J-55 CMT'D IN 12¼" hole, SET AT 795'
   - 7" PROD. CSG:
     0 - 3311: 26# IV 8R
     3311 - 5430: 26# N80 "
     5430 - 8952: 29# " "
     8952 - 10562: 32# " "
     10562 - 11730: 35# " "
   - OPEN HOLE (BELOW SHOE) PLUGGED BACK TO 11766'
   - 15 ZONE PERFS: 10820 - 10900
   - 21 ZONE PERFS: 11540 - 11620, 11660 - 11695, 11707 - 11730

3. Present producing zone name 21 ZONE / 15 ZONE } DUAL COMPLETION; Zone in which well is to be recompleted 21 ZONE

4. Present zone pressure 1600 psi; New zone pressure SAME

5. Last produced 3/85 (Date) | 11 BOPD (Oil, B/D) | 0 BWPD (Water, B/D) | 100 (Gas, Mcf/D)

   (or)

   Last injected _____ (Date) | _____ (Water, B/D) | _____ (Gas, Mcf/D) | _____ (Surface pressure, psig)

The proposed work is as follows:

1) MIRU.
2) INSTALL & TEST BOPE
3) Pull DUAL COMPLETION
4) CLEANOUT WELLBORE
5) ISOLATE 15 ZONE (UPPER COMPLETION) WITH CLASS "G" CEMENT
6) TEST CASING
7) RUN SINGLE COMPLETION TO 21 ZONE
8) RETURN WELL TO PRODUCTION ON GAS LIFT.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address P. O. BOX D.O. (Street)
VENTURA (City) CALIFORNIA (State) 93002 (Zip)
Telephone Number 805 654 6800

EXXON COMPANY USA (Name of Operator)
By J. G. SYMMES (Print Name) for JCS
(Signature) 7-25-85 (Date)

OG107 (9/82/DWRR/5M)

WORK PERFORMED:

Drill____ Redrill____ Deepen____

Plug____ Alter casing ✓

Water flood____ Water disposal____

Abandon____

Other____

STATUS: (Date)

Producing____

Recomp. prod.____

Water flood____

Water disposal____

Abandoned____

Other____

MAP AND BOOK ✓

RECORDS FILED & DATE: Clerk RECORDS & REQUIREMENTS CHECKED: Eng.

Summary (dup.)____

Log & Core (dup.)____

Plat (dup.) 10/22/71

E-log____

Radio Log____

D. Survey____

Other____

(Check records for signature and correct name of operator or well, S.T.R, and field.)

Location____ Notice states____

Elevation____ Notice states____

Production Reports____

(If production reports not received, make notation and inform Sr. Steno. when rec'd.)

Surface inspection____

Date posted____ Clerk:

Request records____ F 170____

Correct records____ F 165____
(Specify) 105A____

CARDS____

BOND: Blanket

Hold____ Reason____

Release____ Date Elig.____ F 150b____

End Premium year____
Release requested____ (Check)
Bond superseded____ (one)
Well abandoned____

FINAL LETTER____ F 159____
and
FILE CLEARED____ F 121____

If stimulation or disposal well:
Form 121____ Folder____

Form 13-A

FORM 103 SUBMIT IN DUPLICATE Δ OSP

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR Humble Oil & Refining Company FIELD Castaic Junction

(037-16477)
Well No. "Newhall Land & Farming Co" 6, Sec. 24, T. 4N, R. 17W, S.B. B. & M.

Date October 18, 1971 Signed [signature]

P. O. Box 7033, Long Beach, Calif. (213) 426-8844 Title District Superintendent
(Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date	
5/25/71	MIRU. Pumped SW down long tubing string. Established circ through short tubing string, tubing leaking between packers.
5/26/71	Circ both strings for 2 hours. Worked short string at 90,000#. Tubing stuck 20' up
5/27/71	Cut tubing w/chemical cutter at 10,630'. Attempted to circ, no returns. Pulled up in 600 ft stages attempting to circ.
/28/71	Established circ at 6600'. Circ to 10,630'. Displaced mud w/8.8# potassium chlorid water.
5/29/71	Pulled, laid down short string. Pulled total of 341 jts 2-3/8" tubing. Attempted to pull long string. Unable to free. Ran FP Ind. Tubing stuck at 10,710', free at 10,700'. Cut tubing at 10,672'.
5/30/71	Pulled, laid down long string, 377 joints 2-3/8" tubing.
6/1/71	Fishing
6/7/71	Cut tubing at 11,255'.
6/9/71	Recovered all fish. Cleaned out to 11,750'.
6/10/71	Perf 4 ½" HPF from 10,850-10,820'.
6/11/71	Ran tubing, packer and GL equip. Unable to get below 9645'. Ran scraper attempting to clean out.
6/14/71	Ran tubing w/packer at 9588'. Returns on casing. Model "D" packer not holding.
6/17/71	Landed tubing (long string) w/new Model "D" packer at 11,457'. Hydrostatic pkr at 9599'.
/18/71	Ran short string. Tested okay. Put on production, testing.

DIVISION OF OIL AND GAS
RECEIVED
OCT 22 1971
INGLEWOOD, CALIFORNIA

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
December 4, 1992

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 7, A.P.I. No. 037-16478, Section 24, T. 4N, R. 17W, SB B.&M., Castaic Junction field, Los Angeles County, dated June 15, 1992, received June 17, 1992, has been examined in conjunction with operations witnessed and records filed in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM E. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By _____
Patrick J. Kinnear, Deputy Supervisor

LSE & NO [illegible] #1

MAP 250 Castaic Junction

	( )	( )	( )	( )	( )	( )
INTENTION	alter casing		alter Casing	ALTER CSING		
NOTICE DATED	9/23/-		1-11-84	6-2-84	6-15-82	
P-REPORT NUMBER	276-[illegible]			284-208	[illegible]	
CHECKED BY/DATE					[illegible]	
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE					[illegible]							
DEEPEN												
CASING												
IES, ELECTRIC LOG												
DIRECTIONAL SURV												
CORE/SWS DESCRIP												
OTHER												
RECORDS COMPLETE							[illegible]		[illegible]	[illegible]		

ENGINEERING CHECK

P-REPORTS	✓
OPERATOR'S NAME	✓
WELL DESIGNATION	✓
LOC & ELEV	
SIGNATURE	
SURFACE INSPECTION	[illegible]
FINAL LETTER OK	

CLERICAL CHECK

POSTED TO 121 _____ 170 MAILED _____ FINAL LETTER MAILED _____

RELEASED BOND _____

REMARKS: _____

T213

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator EXXON CORP. **Well No.** "Newhall Land & Farming" 7
API No. 037 - 16478 **Sec.** 24 , **T.** 4N , **R.** 17W , SB **B&M**
Field CASTAIC JUNCTION, **County** LOS ANGELES . **On** October 19, 1992 ,
~~Mr.~~/Ms. Farita M. Noese , representative of the supervisor, was present from 1000 to 1200.
There were also present DAVE MORRIS

Casing record of well: 10¾" cem. 760'; 7" cem. 10245'; Perfs. 10194' WSO. Bad csg. 5385' [illegible] 5½" ld. 10213'-10600'. Perfs. [illegible] 5½" [illegible] cem. [illegible] T.D. 10600'. Plugged [illegible] 10567'-[illegible]

The operations were performed for the purpose of ABANDONMENT [illegible]
4432'-4112', 781'-634', 90'-Surface.

☐ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ______' is approved.

Hole size: ____" fr. ____' to ____', ____" to ____' & ____" to ____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: 5½" shot/cut at 715', ____', ____' pulled fr. ____';
5½" shot/cut at 4664', ____', ____' pulled fr. ____'.

Junk (in hole): ______

Hole fluid (bailed to) at ____'. Witnessed by ______

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
CLAY GEL 9.6#/g	10-15-92	135 BBL	TBG @10074'	—	4400'±	S. MULQUEEN
	10-16-92	100 BBL	TBG @ 4112'	—	SURFACE	"

TAGGED FILL @ 10536' & CLEAN OUT TO 10577'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
10/14	80 cf *	TBG @ 10567	—	REPORTED	10084'	10K#	10/15 0830	S. MULQU[illegible]
10/15	58 cf	TBG @ 4432'	—	"	4112'	ALL TBG WEIGHT	10/16 0845	"
10/16	103 ft³	EOT @ 781'	1500	Reported	634'	2K#	10/17 1000	F. Noese
10/19	76 ft³	EOT @ 90'	1100	F. Noese	Surface	Returns	10/19 1115	" "

* 40% Si FLOUR (50 sx TOTAL OF CEM)

OGD10 (10/90/GSR1/5M)

CLEANHOLE FLUIDS, INC.

WORKOVER, COMPLETION & DRILLING FLUIDS

POST OFFICE BOX 3657
VENTURA, CALIFORNIA 93006
(805) 648-2273

FLUID REPORT

REPORT No. 1

DATE Dec - 13 1982 DEPTH

API WELL NO.	STATE	COUNTY	WELL	S/T

OPERATOR	CONTRACTOR	RIG NO.
Exxon Co USA	Pool	
ADDRESS	ADDRESS	SPUD DATE
REPORT FOR MR. Dave Morris	REPORT FOR MR. Rusty Bagley	SECTION TOWNSHIP RANG

WELL NAME AND NO.	FIELD OR BLOCK NO.	COUNTY, PARISH OR OFFSHORE AREA	STATE OR PROVINCE
Nuiqsut #1 - 48			

OPERATION	CASING	FLUID VOLUME (BBL)	CIRCULATION DATA
PRESENT ACTIVITY	SURFACE IN. at FT.	HOLE PITS	PUMP SIZE X IN. / ANNULAR VEL. (FT./MIN.) OPPOSITE DP
BIT SIZE (IN.) NO.	INTERMEDIATE IN. at FT.	TOTAL CIRCULATING VOLUME	PUMP MAKE MODEL / OPPOSITE COLLAR
DRILL PIPE SIZE TYPE	PRODUCTION OR LINER IN. at FT.	IN STORAGE	BBL/STROKE STROKE/MIN / CIRCULATING PRESSURE PSI
DRILL COLLAR SIZE LENGTH	FLUID TYPE Abandonment Fluids	BBL./MIN.	BOTTOMS UP (MIN.) SYSTEM TOTAL (MIN.)

Sample from ☐ Flowline ☒ Pit
Flowline Temperature °F

FLUID PROPERTIES			
Time Sample Taken			
Depth (ft)			
Weight ☒ (ppg) ☐ (lb/cu ft)	9.6		
Mud Gradient (psi/ft)			
Funnel Viscosity (sec/qt) API at ____ °F	69		
Plastic Viscosity cp at ____ °F	4-5		
Yield Point (lb/100 sq ft)	22		
Gel Strength (lb/100 sq ft) 10 sec/10 min	28 56	/	/
pH ☐ Strip ☐ Meter	9		
Filtrate API (ml/30 min) Spurt Loss (1 min)	9.2	/	/
API HP-HT Filtrate (ml/30 min) ____ °F			
Cake Thickness 32nd in API ☐ HP-HT ☐	2 32		
Alkalinity, Mud (P_m)			
Alkalinity, Filtrate (P_f/M_f)	/	/	/
Salt ☐ ppm ☐ gpg Chloride ☒ ppm ☐ gpg	450		
Calcium ☒ ppm ☐ Gyp (ppb)	60		
Sand Content (% by Vol)			
Solids Content (% by Vol) - Centrifuge			
Oil Content (% by Vol)			
Water Content (% by Vol)			
Methylene Blue Capacity (me/ml mud)			

EQUIPMENT

	SIZE	HRS/TOUR			SIZE	HRS/TOUR		
Centrifuge					Desilter			
Degasser					Shaker			
Desander					Other			

DAILY COST | CUMULATIVE COST

FLUID PROPERTIES SPECIFICATIONS

WEIGHT 9.6 | VISCOSITY 60 t | FILTRATE

BY AUTHORITY ☐ OPERATOR'S WRITTEN ☐ DRILLING CONT ☐ OI
☒ OPERATOR'S REPRESENTATIVE ☐ OTHER

MATERIALS RECOMMENDED

Pre-mix 400 bbls. Abandonment Fluid:

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AN ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY CLEANHOLE FLUIDS CO. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY

REPRESENTATIVE	HOME ADDRESS	TELEPHONE
Gary Gleason	Ventura	
MOBILE UNIT	WAREHOUSE LOCATION 648-2273	TELEPHONE

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
NOV 13 1992
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Corp. Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. 7, Sec. 24, T 4N, R 17W, SB B. & M.
A.P.I. No. 037-16478 Name Judy Bagwell (Person submitting report) Title Sr. Staff Office (President, Secretary or Agent)
Date November 3, 19 92

Signature Judy Bagwell

Environmental & Regulatory Affairs, P. O. Box 1600, Midland, TX 79702 (Address) 915/688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

10-09-92 Move in, rig up. Put out guylines. Move in Baker tanks and mud pump. Rig up line to waste tank. Shut down.

10-10-92
through
10-11-92 No well work.

10-12-92 Service equipment, check well psi - tubing 0, casing 0. Completed rigging up suction, choke, manifold and rig pump hoses. Reverse circulate oil and gas w/350 bbls fresh water to clean returns. Rig up Coast wireline. Set tubing B.P.V. at 27'. POH. Rig down wireline. Nipple down prod. tree, unland tubing, removed split landing bushing. Stripped over Class II BOPE. Nipple up BOPE, function test line. Rig up rig working platform. Rig up Coast wireline. Retrieve B.P.V. Rig down Wireline. Fill casing w/15 bbls. Prepare to unset packer, pulled on tubing. Worked packer (Baker loc set) loose at 80K. Pulled 60'. Secured well.

10-13-92 Service equipment, check well PSI - casing 0, tubing 0 on vaccum. Rig up, POOH with prod. string (T.O.H.). Lay down 2 (2-7/8 x 4-3/4) gas mandrels, found 6 (2-3/8 x 4) gas mandrels w/30' 2-3/8 joints above and below mandrels. Cross back over to 2-7/8 tbg. Total joints POH 311' 2-7/8 tbg, 12 joints 2-3/8 J-55. Lay down Baker loc set packer. Secure well.

RECEIVED
NOV 1 3 1992
VENTURA, CALIFORNIA

10-19-92 Service equipment, well static. RIH TOC at 634', witnessed by F. Neese, Division of Oil and Gas. Lay down tubing to 90'. Mixed and pumped top cement plug with holes at 110' with 66 sx Class G neat cement to surface (witnessed by F. Neese). Rig down cementer. Lay down 3 joints, clear out pump lines with fresh water. Clean and load out tubing equipment and work floor. Nipple down BOP, disconnect pump lines. Clean and load out pump. Prepare to lower mast. Rig down, move on. Clean location. Well is plugged and abandoned.

DIVISION OF OIL AND GAS
RECEIVED
NOV 13 1992
VENTURA, CALIFORNIA

10-14-92 Service equipment, check well psi - casing 0, tubing 0. RIH. PU 2-3/8 tubing (837'), with 2-7/8 tbg (9740') 311 joints. Tag fill at 10,536'. Rig up, clean out fill to 10,577' (41'). Unable to make hole. Circulate hole clean with 320 bbls freshwater. Note: Cleanout depth approved by Division of Oil and Gas. Rig up California Cementing Co. Pumped bottom plug with 50 sx Class G cement, 40% silica flour, .75% CB31 friction reducer, .5% R-3 retarder. Complete job. Rig down cementer. POH with 12 std (750'). Rig up, reverse circulate tbg clean with 60 bbls. Rig down, POH with 5 std. Total tbg pulled 17 stds - 1062'. Secure well. WOC.

10-15-92 Service equipment, check well psi - casing 0, tubing 0. Rig up. RIH, tag TOC at 10,084' (Division of Oil and Gas representative present). Pulled up with tubing tail at 10,074'. Pressure test casing to 500#. Held 5 minutes sold. Mud up hole w/134 bbls 9.6 ppg mud to 4429'. Rig up. POH and lay down tubing. Lay down 196 jts 2-7/8 tubing. Rig up California Cementing Co. Mix and pump with tubing tail at 4432', 50 sx Class G neat cement, 15.7 ppg. Rig down cementer. POH with 12 stds to 3686'. Reverse circulate tubing clean with 20 bbls fresh water. POH with additional 5 stds to 3373'. Secure well. WOC.

10-16-92 Service equipment, well static. Rig up. RIH TOC at 4112' (witnessed by S. Mulqueen, Division of Oil and Gas). Rig up. Mud up hole with 140 bbls 9.6 ppg mud with tubing tail at 4110'. Contue POH, lay down tubing. Total of 90 joints 2-7/8, 27 joints 2-3/8. Rig up MMI. RIH, shot 20', 4 SPF at 765-745. POH. Rig down perforators. RIH to 781' with tubing. Rig up to establish circulation between 7" x 10-3/4". Unable to circulate. Found holes "plugged", switched pump lines. Cleared holes, mud up 10-3/4 casing with 32 bbls. Rig up California Cementing Co. Pump cement plug, 90 sx Class G neat cement, 15.7 ppg. Completed. Rig down cementer. POH with tubing, 25 jts. Rig up perforators. RIH, shot top holes at 110', 4 SPF. Rig down perforators. Secure well. WOC.

10-17-92

10-18-92 No well work.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-213

REPORT ON OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
October 27, 1992

Your operations at well "Newhall Land & Farming" 7, API No. 037-16478
Sec. 24, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles
County, were witnessed on 10-19-92. Fariba Neese, representative of
the supervisor, was present from 1000 to 1200. There were also
present Dave Morris

Present condition of well: 10 3/4" cem 760'; 7" cem 10245'; perfs 10194'
(WSO), bad csg. 5355'; 6691'-6715', 7059', 7061', 9272'-9302', 10203' (cem
off); 5 1/2" ld 10213'-10600', perfs @ int 10236'-10506'; 5 1/2" scab liner
cem 4329'-10213'. TD 10600'. Plugged w/cem 10567'-10084', 4432'-4112',
781'-634', 90'-surface.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

PK:FN:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
Deputy Supervisor

OG109

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-169
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
June 23, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 7, A.P.I. No. 037-16478, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, -------- area, 10-A pool, Los Angeles County, dated 6/15/92, received 6/17/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,506'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10,094', 4229', & 665'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before ap- approval of abandonment will be issued.

Blanket Bond
SF:tkc

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

126/00/05-017

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	—	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land and Farming - Well No. 7 (Well designation), API No. 04-037-16478

Sec. 24, T. 4N, R. 17W, SB B. & M., Castaic Junction Field, Los Angeles County.

commencing work on about 3rd Q, 19 92.

The present condition of the well is:

1. Total depth 10,600'

2. Complete casing record, including plugs and perforations

See Attached Detail

3. Last produced 10/84 (Date) 0 BOPD (Oil, B/D) 220 BWPD (Water, B/D) 0 MCF/D (Gas, Mcf/D)

OR

4. Last injected -- (Date) -- (Water, B/D) -- (Gas, Mcf/D) -- (Surface pressure)

Additional Data for dry hole (show depths)

5. Oil or gas shows: N/A

6. Stratigraphic markers: N/A

7. Formation and age at total depth: N/A

8. Base of fresh water sands: 750'

The proposed work is as follows:

See Attached Detail

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 225 W. Hillcrest Drive (Street)

Thousand Oaks, CA 91360 (City) (State) (Zip)

Telephone Number 805-494-2000

Exxon Company, USA (Name of Operator)

By R. W. Romere (Name-Printed)

R W Romere (Name-Signature) 6-15-92 (Date)

Type of Organization Corporation

Forms\Abandon.DOG

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator EXXON COMPANY, U.S.A. Field Castaic Jctn County L. A.
Well "Newhall Land & Farming Co." #7, Sec. 24, T 4N, R 17W, SB B. & M.
A.P.I. No. 037-16478 Name R. S. Bowman (Person submitting report) Title R&R Actg Sect (President, Secretary or Agent) Head
Date January 4, 1985.

Signature R S Bowman

P. O. Box 5025, Thousand Oaks, California 91359 (Address) (805) 494-2100 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
3-24-84 to 7-26-84	No well work.
7-27-84	MIRU.
7-28-84 to 7-29-84	Shut in for weekend.
7-30-84	Pulled tree off, installed and tested BOP. Pumped 59 bbls lease water mixed with KCL down tubing. POH with tubing. Laid down gas lift mandrels and packer. Rigged up McCullough. Ran electromagnetic casing inspection tool. Rigged down McCullough. RIH with 10 stds. SIFN.
7-31-84	Pulled up 5-1/8" swedge, 4 drill collars, bumper sub, jars, accelerator. RIH to 10205', set down 8K#, pulled 4K# over string weight. Pulled out of tight spot. RIH, dropped string 2', pulled 30K# over string weight. Jarred back cut with 3 licks. Indications show we're on liner top. POH to 2000'. SIFN.
8-01-84	Pulled up swedge, RIH to 10205'. Put 6000# weight down, POH. Took 10K# over string weight to POH. Marks on swedge show full circle of 4-15/16". Convinced swedge was on liner top. RIH with 10 stands open ended. SIFN.
8-02-84	Cont'd RIH, ran total of 160 stands, open ended. Installed safety valve in tubing, left BOPE on well. SIFN.
8-03-84 to 8-20-84	Suspended. Waiting on liner and equipment.
8-21-84	MIRU, POH with tubing. Pulled up 5-1/2" scraper on 2 jts of 2-3/8" tubing below 7" scraper on 2-7/8" tubing. RIH with 5-1/2" scraper

DIVISION OF OIL AND GAS
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JAN 7 1985
SANTA PAULA, CALIFORNIA

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

September 21, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 8, A.P.I. No. 037-16479, Section 24, T. 4N, R. 17W, S.B. B.& M., Castaic Junction field, Los Angeles County, dated 09-20-93, received 09-28-93, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

svl

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

cc: Conservation Committee
Update

Modified OG159 (4/94)

OPERATOR EXXON CORP. A.P.I. 037- 16479

WELL NO. "N.L.&F" 8 SECTION 24, T. 4 N, R. 17 W

MAP

INTENTION	ABANDON					
NOTICE DATED	6-30-93					
P-REPORT NUMBER	293-216					
CHECKED BY/DATE						
MAP LETTER DATED	10-					
SYMBOL	+					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEE
NOTICE	7-7-93											
HISTORY	9-28-93											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	✓					
DRILL CARD						

RECORD'S COMPLETE 2-[illegible]-94

FINAL LETTER OK

MAILED

RELEASED BOND

INJECTION BOOK

IDLE WELL LIST

SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL

ABANDONED-REMOVED FROM E.D.P.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
SEP 2 19

VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. 8 Sec. 24, T 4N, R 17W S.B. B. & M.
A.P.I. No. 037-16749 Name Donna R. Devience (Person submitting report) Title Sr. Geol. Asst. (President, Secretary or Agent)
Date September 20, 19 93

Signature Donna R. Devience

Environmental & Regulatory Affairs P.O. Box 1600 Midland, Tx. 79702 (915) 688-7
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

(See Attachment)

DIVISION OF OIL AND GAS
RECEIVED
SEP 2 19

VENTURA, CALIFORNIA

09/03/93 MORNING REPORT 08:19AM

NEWHALL LAND & FARMING CO - 0008T Lease# 061590 Job# 60008996
Field Supt R. O. Storey CMP# 4037164790002 AFE# 00040461
PLUG AND ABANDON

Expected Buildup oil/gas /
Estimated PI

--- 08/31/93 Daily

--- 08/30/93 Daily
Attend safety mtg. Open well, run tbg. Tag toc at 526 ft. Pull tbg to 212 ft. Rig up Halliburton, mix & pump 107 sx class G neat cement from 218 ft to surface. Pull tbg. Rig out all equip. Clean location, move out. Witnessed tag of fresh water plug @ 526 ft. Witnessed surface plug from 217 to surface, Stephen Mulqueen, Div of Oil & Gas.

--- 08/27/93 Daily

--- 08/26/93 Daily
Attend safety mtg. Open well, pull & lay down 156 jts tbg. Obtain cellar entry permit. Hook up return line of 10.75in surface pipe. Rig up MMI. Shot holes between 7in and 10.75 in csg. 80 holes from 703-723. DOG, Peter R Wygle, witnessed and approved. Ran tbg to 724 ft, circulat 9.7 ppg mud down 7 in and up 10-3/4 csg to surface. Mix & pump 87 sx class G neat cement. Displaced with 4 bbls. Balanced plug between 7in & 10-3/4in csg from 724-624 feet. Pooh, rig up perforators. Shot 4 holes between 7 in and 10-3/4in at 217 ft. Rig out shooters. Secure well eot.
Top holes 217 ft-219ft
Note DOG: fresh H2O cmt operation 724-624. Thru holes 703-723. ok Peter Wygle, Div of Oil & Gas.

--- 08/25/93 Daily
Drove to job. Attend safety mtg. Open well, run tbg, tag cement @ 9540. Witnessed and approved by DOG, Peter R. Wygle. Change well over to 9.7 lb mud, 374 bbls. Approved by DOG, Peter R. Wygle. Pull and lay down 200 jts tbg. Secure well, eot.

--- 08/24/93 Daily
Attend Exxon safety mtg. Open well, RIH with tbg. Tag top of cement at 10178 ft. Hung tbg at 10170. Rig up cementers, test lines. Mix and pump 82 sx cement blended with 40% SSA-1, .75% CFR-3, and .5% HR-7, displace with 55 bbls. Calculated top of cement 9578 ft. Pulled to 9248 ft. Reversed tbg volume around twice. Pulled to 8938 ft. Secure well. eot.

--- 08/23/93 Daily
Attend safety mtg. Open well, 25 psi csg & tbg. Ran from 9700 ft to tag @ 10845 ft. Pulled to 10830 ft. Broke circulation, Rig up Halliburton. Test lines, Mix & pump 82 sx cement blended as follows: 40% SSA-1, .75% CFR-3, and .5% HR7. Displaced with 59 bbls water. Rig out cementers. Pulled to 9945 ft. This equals 300 ft above calculated top of cement @ 10245 ft. Reversed twice around. Pulled to 9645. Secure well. WOC, eot.

--- 08/19/93 Daily
Attend safety mtg. Open well, 40 psi csg & tbg. Pull and lay down kill string. Chain down old tbg on trailer, move out old tbg, spot work string trailers, Measure and pick up work string with 1.5in tbg on bottom, tag cement retainer at 10,845 ft. Pulled to 9700 ft. Secure

09/03/93 MORNING REPORT 08:19AM

NEWHALL LAND & FARMING CO - 0008T Lease# 061590 Job# 60008996
Field Supt R. O. Storey CMP# 4037164790002 AFE# 00040461
PLUG AND ABANDON

Expected Buildup oil/gas /
Estimated PI
well. EOT

--- 08/18/93 Daily
Safety mtg. Open well (75# psi csg & tbg). Broke circulation, pulled & layed down 320 jts 2-7/8in tbg with all gas lift equip. Ran 10 stand kill string. Secure well, Ready to pick up workstring in am.

--- 08/17/93 Daily
Attend safety mtg. Bleed well (100 psi csg & tbg). Check BOP & function test controls. Worked stuck packer loose @ 9743 ft. Pullod up 100 ft. Circulate bottoms up with produced water. Found tbg in bad shape. Spotted pipeline lay down trailers. Layed down tbg until EOT. Secure well. Shut down till am.

--- 08/16/93 Daily
Attend safety mtg. Rig up mud storage tanks and blow down tank and line Bleed csg from 350 psi to 0 psi in 30 min. Remove production tree and landing flange. Install and test BOP. Rig up Archer Wireline. Retrieve Tbg plug at 250 ft. Rig out wireline. Rig up pump, kill tbg gas with 30 bbls produced water. Secure well. EOT

--- 08/13/93 Daily
Drove rig to location. Attend safety mtg. Rig up, guy mast, rig up slick line. Bleed well, 650 psi on tbg at start. Set tbg plug at 531 ft Rig out slickline. Spot pump, generator, BOP equip. Tbg plug @ 531 ft started leaking. Rig up slickline, set backup plug at 250 ft after pulling plug at 531 ft. Rig out wireline, secure well. eot

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No.T293-224

REPORT ON OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
September 17, 1993

Your operations at well "Newhall Land & Farming Co." 8, API No. 037-16479, Sec. 24, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 8-30-93. Steve Mulqueen, representative of the supervisor, was present from 0800 to 0900. There were also present Dan Mullins.

Present condition of well: 10 3/4" cem 718'; 7" cem 11,075', perf 9784' wso, cp 217', 703', 10,740', 10,950' & 10,989', perfs @ int. 9783'-10,970'. Junk below 10,845'. TD 11,880'. Plugged w/ cem 10,845'-9540', 724'-526' & 217'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

tkc

WILLIAM F. GUERARD, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

T224

Operator Exxon Corp. Well No. "Newhall Land & Farming Co"
API No. 037-16479 Sec. ____, T. 4N, R. 17W, SB B&M
Field Castaic Jct, County LA. On 8-30-93,
Mr./Ms. S. MULQUEEN, representative of the supervisor, was present from 0800 to 0900.
There were also present ~~C. Ballard, operator's rep.~~ DAN MULLINS

Casing record of well: 10¾" cem 718'; 7" cem 11075' perf 9784' WSO sq 703' 10740' 10950' & 10989' perfs @ int 9753'-10970'. Junk below 10880'. TD 11080'. Plugged w/ cem 11045'-9540' TBG; 718'-668' & 217'-0'

The operations were performed for the purpose of abandonment

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
10¾	40.5	0	718'	8-24-93	TBG @ 217' w/ 1/2	107 sx	5'	5'	2 bbl	FCC	217-219
7"	29	0	11075'								

Casing/tubing ~~recovered~~ perfs: 7" shot/cut at 80 holes 720', _____', _____' pulled fr. _____';
7" shot/cut at 217', 219', _____' pulled fr. _____'.
4 holes/Ft.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.7 #/g	8-24-93		TBG @ 9540'	—	SURFACE	REPORTED

CO TO 8465'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
8-24	260 cf	TCP 10,845	—	RPW	9540'	WL TAG	8-25 0800	PRW
8-26	102 cf	✓ 724	1530	PRW	526'	—	8/27 —	REPORTED
A' 8/30	107 sx	TBG @ 217'	0800	S. MULQUEEN	5'	VISUAL	9/20 0900	S. MULQ

OGD10 (10/90/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No. P293-216
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 15

PERMIT TO CONDUCT WELL OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
July 8, 1993

Your proposal to abandon well "Newhall Land & Farming Co." 8, A.P.I. No. 037-16479, Section 24, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, --- area, 15 pool, Los Angeles County, dated 6-30-93, received 7-7-93, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,842'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. The cement plug proposed to be placed from 10,842' to 9,783' extends from 10,842' to at least 9,650'.
6. This office shall be consulted before deviating from the proposed abandonment program.

Continued on Page 2

Blanket Bond
PK:SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DAN MULLINS/S. MULGUEEN CLEAN OUT @ 10845' OK.
8-19-93, 18:00

7. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 9,650'.
   b. To witness the mudding of the well.
   c. To witness the squeeze-cementing of the 7" casing through the perforations at 708'.
   d. To witness the placing of cement inside the 7" casing and all annuli.
   e. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

NOTE:

Our records indicate a perforation squeezed with cement at 9,750'.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	7-7-93 ✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land & Farming Co 8T (Well designation), API No. 037-16479

Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 7/15, 1993.

The present condition of the well is:

1. Total depth 11,880

2. Complete casing record, including plugs and perforations
   10 3/4" 40.5# casing @ 0'-718'
   7" 23/32# casing @ 0'-11,075' perfs: 9,783'-10,838'
   Plug back T.D. 10,842'

3. Last produced 9/79 (Date) 10 (Oil, B/D) 22 (Water, B/D) 10 (Gas, Mcf/D)

   OR

4. Last injected _____ (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost oil or gas shows

   Top of Zone 15 : 10,601'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 718'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1 MIRU. Install and test a DOG class II 5M BOPE.
2. Clean to the bottom of the P.B.T.D. 7" casing @ 10,842'.
3. Place class "G" cement plug from 10,842'-9,683', cementing to 100' above the top perfs in the 7" casing @ 9,783', with TOC @ 9,683'. DOG to witness.
4. Shoot 4 SPF in the 7" casing @ 718'to 708' and place a class "G" cement plug from 718' to 618', squeezing the 7" x 10 3/4" annulus. DOG to witness.
5. Shoot 4 holes in the 7" casing @ 100' and circulate a class "G" cement plug from 100' to the surface getting returns in the casing/conductor annulus. DOG to witness.
6. Cut of casing @ 5' and weld plate with well identifier.
7. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive P.O. Box 1600 (Street)
Midland, Tx. 79702 (City) (State) (Zip)
Telephone Number 915-688-7888

Exxon Corporation (Name of Operator)
By Stephen Johnson (Name-Printed)
D. Johnson (Name-Signature) 6/29/93 (Date)
Type of Organization Corporation

OG108

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

November 8, 1995

Exxon Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 8 10,
A.P.I. No. 037-16481, Section 23, T. 4N, R. 17W, S.B. B.& M.,
Castaic Junction field, Los Angeles County,
dated 10-24-95, received 11-03-95, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

svl

Modified OG159 (4/94)

OPERATOR Exxon Corp. A.P.I. 031-16481

WELL NO. "Newhall Land & Farming Co." 10 SECTION 23, T. 4 N, R. 17 W

MAP

INTENTION	Abandon					
NOTICE DATED	4-20-95					
P-REPORT NUMBER	P295-148					
CHECKED BY/DATE						
MAP LETTER DATED	11/11/95					
SYMBOL	⊕					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	4-26-95											
HISTORY	11-3-05											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓				
OPERATOR'S NAME	✓				
WELL NO.	✓				
LOC & ELEV	✓				
SIGNATURE	✓				
SURFACE INSP.	5-2-96 MD ✓				
DRILL CARD					

RECORD'S COMPLETE FMN 11/7/95

FINAL LETTER OK

MAILED

RELEASED BOND

INJECTION BOOK

IDLE WELL LIST

SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL

ABANDONED-REMOVED FROM E.D.P.

D-1

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

RECEIVED
NOV 3 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 10 , Sec. 23 , T 4N , R 17W , S.B. B. & M.

A.P.I. No. 0403716481 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 10/24 , 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

09/08/95
MIRU. OPEN WELL, LONG STRING 1500#, SHORT STRING 65#, CSG 65# PSI. SPOT RIG AND EQUIP. KILL WELL. PUMP 5 BBL DOWN SHORT STRING PRESSURE TO 500# CSG 500#. BLEED LONG STRING DOWN TO 0#. DUMP 2 BBL 9.6 PPG BRINE PRESSURE 1800#. RIG UP AND GUY OUT.

09/11/95
OPEN WELL (NO PRESSURE). ATTEMPT TO INSTALL BACK PRESSURE VALVE IN DONUT (FOUND TO THREAD TO INSTALL). RIG UP GOLDEN STATE WIRELINE. RIH WITH TBG PLUG IN LONG STRING, SET @ 135 FT. POOH. RIH WITH TBG PLUG IN SHORT STRING, SET @ 64 FT. POOH. RIG OUT WIRELINE. BLEED WELL. NIPPLE DOWN, DUAL PRODUCTION TREE. CHECK OUT DONUT. NIPPLE UP PROD TREE. CWI.

09/12/95
CHECK WELL. SHORT STRING 0#, CSG 0#, LONG STRING 450#. RIG UP TO PUMP LONG STRING. PUMP 40 BBL 9.7 PPG BRINE WATER @ 1400# (TBG ON VACUUM). NIPPLE DOWN PRODUCTION TREE. NIPPLE UP CLASS II 6 INCH BOP & BOE (PIPE RAM OFFSET). FUNCTION TEST OK. RIG UP WORKING FLOOR AND TBG EQUIP. RIG UP GOLDEN STATE WIRELINE. RIH AND RETRIEVE TBG PLUG @ 64 FT. POOH UNLAND TBG, WORK LOOSE FROM PACKER. CIRCULATE WELL. POOH LAYING DOWN 2.375 INCH TBG. LAY DOWN 64 JTS. CLOSE IN WELL.

09/13/95
OPEN WELL NO PRESSURE. CONT POOH, LAYING DOWN 2.375 INCH N-80 8R TBG LAY DOWN 354 JTS TOTAL. FILL CSG WITH LEASE WATER. NIPPLE DOWN BOP. RIG UP TO LONG STRING. NIPPLE UP BOP. FUNCTION TEST. NOTE: LONG STRING 1300#. PUMPED 40 BBLS LEASE WATER. RIG UP GOLDEN STATE WIRELINE. RETRIEVE PLUG @ 135 FT. RIG OUT WIRELINE. RIG UP FCI TEST LINE 300# LOW, 3000# HIGH. ESTABLISH BREAKDOWN 2 BPM 1000#. MIX AND PUMP 59 CU FT, 51 SX, CLASS G CMT @ 1000#. DISPLACE WITH 43.5 BBL LEASE WATER FINAL 3 BBL @ 900 # 1/2 PBM. CLOSE IN WELL EST TOC 11,079. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, PETE R. WIGLE, GAVE VERBAL APPRVL ON PUMPING CEMENT THRU BOTTOM PACKER 51 SX, LEAVE 200 FT CEMENT ABOVE BOTTOM PACKER.

09/14/95
RIG UP KFE WIRELINE. RIH WITH 1-11/16 STRIP SHOT 10 FT, 20 SHOTS. STOPPED AT 260 FT. POOH, RIG UP 1-9/16 INCH GUNS. RIH, STOPPED @ 575 FT ATTEMPT TO WORK THRU, NO LUCK. POOH MAKE UP 2.275 DEWAXING TOOL ON .75 INCH TOOL. ATTEMPT TO WORK THRU. POOH, MAKE UP 15 FT CUT OFF ROD. RIH TO 579 FT WORK DOWN TO 600 FT. POOH CLOSE IN WELL.

09/15/95
OPEN WELL (NO PRESSURE). PU 14 K-BARS. RIH W/RODS. TAG WAX @ 595 FT. CLEAN OUT TO 605 FT. POOH, FOUND VERY LITTLE WAX. RIH CLEAN OUT FROM 605 FT TO 630 FT. POOH LAY DOWN RODS AND K-BARS. CLOSE IN WELL.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

RECEIVED
NOV 3 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 10, Sec. 23, T 4N, R 17W, S.B. B. & M.

A.P.I. No. 0403716481 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 10/24, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

WELL RECORD CONTINUED: PG 2 OF 3

09/18/95
OPEN WELL, NO PRESSURE. PU 20 JTS 1.25 INCH TBG. TAG @ 620 FT RIG UP MCMAHANS DEWAXING TRUCK. CIRCULATE DOWN TO 640 FT PLUGGING UP. REVERSE CIRCULATE FROM 620-703 FT. POOH, CLOSE IN WELL.

09/19/95
OPEN WELL (NO PSI). RIH WITH 23 JTS 1.25 INCH TBG. RIG TO CIRCULATE. CLEAN OUT FROM 705 TO 1054. LOTS OF WAX. CIRCULATE CLEAN. CLOSE IN WELL

09/20/95
OPEN WELL (NO PSI). RIG UP BILL.S HOT OIL SERVICE. CIRCULATE W/F 105 - 1581 FT. POOH W/51 JTS 1.25 TBG. RIG UP KFE WIRELINE. RIH WITH 1-9/16 GUNS. STOPPED @ 723 FT. POOH. RIH WITH 1.375 SINKER BAR. STOPPED @ 1178 FT. PULLED OUT ROPE SOCKET @ 600#. RIG OUT WIRELINE. CIW. TOOLS LEFT IN TBG @ 1178 FT: 1.375 INCH ROPE SOCKET, 14 INCHES, 3 1.375 INCH SINKER BARS 180 INCHES, 1.375 INCH COLLAR LOCATOR 14 INCHES, 1.375 TAPER BULL NOSE 3 INCHES, TOTAL 17.6 FEET.

09/21/95
OPEN WELL. NO PRESSURE. ND BOPS. UNLAND TBG. FOUND TBG LAND ON SEAL IN DONUT. NU BOP. RIG UP FLOOR. WORK PACKER @ 88,000#. LAND TBG. INSTALL ROD BOP. MAKE UP 1.625 X 1 OVERSHOT. PICK UP 14 K-BAR AND 28 3/4 RODS. RIH, STOPPED @ 1100 FT. WORK DOWN TO 1115 FT, STOPPED. POOH LAY DOWN RODS AND K-BARS AND FISHING TOOL. CLOSE IN WELL.

09/22/95
CLOSE IN WELL. SHUT JOB DOWN. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, F. NEESE, GAVE VERBAL APPRVL RUNNING SIDE STRING TO 10,580 FT AND BACK OFF LONG STRING @ 10,580 FT. LAY DOWN LONG STRING AND PUMP 400 LINEAR FT CEMENT DOWN SHORT STRING FROM 10620 TO 10200 FT.

09/25/95
NO REPORT FOR 9/25 DUE TO MECHANICAL BREAKDOWN ON RIG.
09/26/95
CHANGE OFFSET PIPE RAMS. RIG UP ACE TESTING. MEASURE & PICKUP 300 JTS 2.375 N-80 TBG. TEST IN HOLE @ 500#. CLOSE IN WELL.

09/27/95
CONT TESTING IN HOLE, PICKING UP 2.375 INCH TBG. PICKUP 40 JTS. TAG PKR @ 10,620 FT. PULL TO 10,570 FT. LAND TBG. RIG OUT TESTER. CHANGE PIPE RAMS TO OFFSET LONG STRING. RIG UP KFE WIRELINE. RUN IN SHORT STRING W/40 FT STRING SHOT. STOPPED @ 7454 FT. POOH. RIG UP PUMP. PUMP 20 BBL LEASE WATER DOWN SHORT STRING, UP 7 INCH CSG. RIH WITH STRING SHOT. STOPPED @ 10,360 FT. POOH. PUMP 20 BBL LEASE WATER DOW TBG. LAY DOWN 1 JT FROM SHORT STRING. TBG TAIL @ 10,540 FT. CLOSE IN WELL.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

RECEIVED
NOV 3 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 10 , Sec. 23 , T 4N , R 17W , S.B. B. & M.

A.P.I. No. 0403716481 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 10/24, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amount of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

WELL RECORD CONTINUED: PG 3 OF 3

09/28/95
OPEN WELL, NO PRESSURE. RIG UP KFE WIRELINE. RIH W/40 FT STRING SHOT SET SHOT @ 10,540 FT TO 10,580 FT. UNLAND LONG STRING. APPLY 100# RIGHT HAND TORQUE TO ENSURE MAKE UP. TORQUE TBG TO 1100# TO LEFT WORKING TORQUE DOWN HOLE. BACK TBG OFF W/48,000# LEFT ON INDICATOR. RIG OUT WIRELINE. POOH LAYING DOWN 60 JTS 2.375 CS HYDRILL. CLOSE IN WELL.

09/29/95
OPEN WELL, NO PRESSURE. CONT LAYING DOWN 2.375 INCH CS HYDRILL TBG. LAY DOWN 300 JTS. CHANGE OFFSET PIPE RAMS TO SHORT STRING SIDE. REVERSE CIRC WELL. RIG UP FCI CEMENTERS. WITH TBG TAIL @ 10,600 FT PUMP 5 BBL LEASE WATER AHEAD. MIX AND PUMP 86 CU FT, 76 SX CLASS G CEMENT @ 800# MAX. DISPLACE WITH 40 BBL L/W. PULL 15+0. REVERSE OUT. CLOSE IN WELL EST TOC 10,200 FT. TEST CEMENT LINES TO 300# LOW AND 3000# HIGH, BEFORE CEMENTING. LAY DOWN 359 JTS LONG STRING.

09/30/95
OPEN WELL (NO PRESSURE). CIRCULATE WELL. RIH, TAG 10,228 OK. PUMP 25 BBL 9.7 PPG P&A MUD ON FLY. DISPLACE WITH 37 BBL L/W. PULL, LAY DOWN 21 JOINTS. RIG UP FCI CEMENTERS. TEST LINES 300# LOW, 3000# HIGH. MIX & PUMP 43 CU FT, 30 SX, CLASS G CEMENT W/4% GEL FROM 9581 TO 9381 FT DISPLACE WITH 36 BBL LEASE WATER. PULL & LAY DOWN 7 JTS. REVERSE CIRC. RIG UP CEMENTERS. PUMP 106 BBL 9.7 PPG P&A MUD ON FLY. DISPLACE WITH 12+0 OUT OF DERRICK. LAY DOWN 12 JTS. ATTEMPT TO REVERSE OUT, TBG PLUGGED. POOH, CLOSE IN WELL.

10/03/95
CONT POOH W/PLUGGED TBG. LAY DOWN 39 JTS 2.375 TBG. RIG UP KFE WIRELINE. RIH W/1-11/16 LINK JEST. SHOOT HOLES FROM 6600 TO 6590 FT. PICKUP 30 JETS 2.375 TBG. RIH W/TBG TAIL @ 6601 FT MIX & PUMP 50 CU FT, 44 SX, CLASS G CEMENT WITH 4% GEL @ 800#. DISPLACE W/25 BBL L/W. PULL 10+0 TO 5980 FT. REVERSE CIRCULATE. RU CEMENTERS. SQUEEZE AWAY 3 BBL @ 1000#. CLOSE IN F/30 MIN. OPEN WELL. RIG UP TO RUN 1.25 INCH TBG. RIH W/1600 FT 1.25 INCH TBG. POOH LAY DOWN 49 JTS. CLOSE IN WELL.

10/04/95
RDMO. OPEN WELL, NO PRESSURE. TAG CEMENT @ 6474 FT. RU FCI. MIX AND PUMP 214 BBL 9.7 PPG P&A MUD ON FLY @ 800#. DISPLACE WITH 3.5 BBL LEASE WATER. POOH, LD 185 JTS 2.375 INCH TBG. STAND BACK 3+0. RIG UP KFE WIRELINE. RIH, SHOOT 80 HOLES FROM 831-851 FT. POOH. RIH W/3+0. WITH TBG TAIL @ 880 FT PUMP 342 SX CLASS G CEMENT W/4% GEL DOWN 2.375 INCH TBG UP 7 INCH CSG & 10.75 INCH CSG TO SURFACE. POOH LAY DOWN 27 JTS. TOP FILL CSG WITH CEMENT. CLEAN TBG AND BOE & WORKFLOOR. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, F. NEESE, WITNESSED TAG @ 6474 FT AND PLACEMENT OF MUD FROM 6474 TO 864 FT 2148 BBL 9.7 P&A.

WELL IS PLUGGED TO SURFACE.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T295-175

Report on Operations

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
October 18, 1995

Your operations at well "Newhall Land & Farming Co." 10, API No. 037-16481,
Sec. 23, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County,
were witnessed on 10-04-95. Fariba Neese, representative of
the supervisor, was present from 0900 to 1000. There were also present
Ken Kennedy, Pool Toolpusher; John Dean, Exxon Foreman
Present condition of well: 10 3/4" cem 841'; 7" cem 11,613', perfs 831'-851', 6590'-6600',
10,610' (WSO), 10,765'-10,805'; 11,312'-11,520'. TD 11,946'. Plugged w/cem 11,946'-
11,530', 11,276'-?, 10,600'-10,228', 9581'-9381', 6600'-6474', 880'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinneen

Patrick J. Kinneen
Deputy Supervisor

OG109 (Modified 1993)

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

T295-1735

Operator Exxon Comp[illegible] Well No. [illegible] #[illegible]

API No. [illegible]-16181 Sec. 22, T. 4, R. 17, SB B&M

Field [illegible], County [illegible] On October [illegible], 1995

Mr./Ms. Faribo N[illegible], representative of the supervisor, was present from 0900 to 1000.

There were also present [illegible], Tool Pusher [illegible], [illegible], Exxon foreman

Casing record of well: 10 3/4" cem 841' 7" cem. 11613', perfs 831-851 6590-6600, 10610'(WSO), 10,765-10805, 11317-11510', T.D. 11946'. Plugs from 11946-1230, 1276-?, 10600-10275 [illegible]-9361, 6600-[illegible], 880-5'.

The operations were performed for the purpose of [illegible]

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ________' is approved.

Hole size: ____" fr. ____' to ____', ____" to ____' & ____" to ____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
						[illegible]	[illegible]			[illegible]	
										[illegible]	

Casing/tubing recovered: ____" shot/cut at ____', 851-851', ____' pulled fr. ____';

____" shot/cut at ____', ____', ____' pulled fr. ____'.

Junk (in hole): [illegible]

Hole fluid (bailed to) at ____'. Witnessed by ____

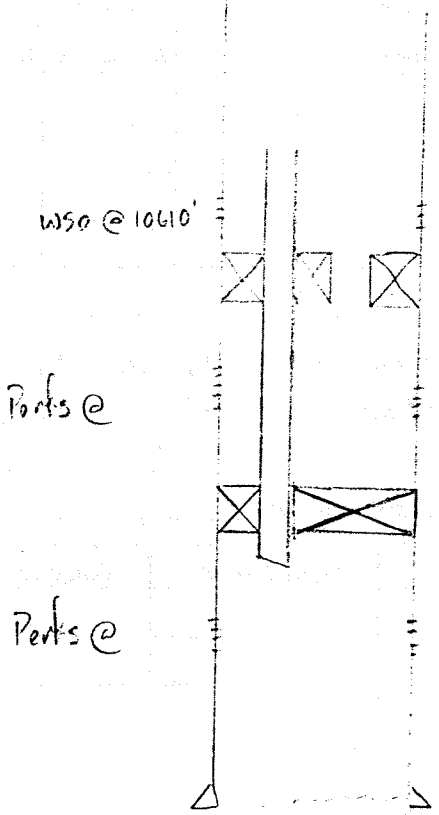
Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
[illegible]		[illegible]	[illegible]			
		14 [illegible]	[illegible]			
[illegible]		14 [illegible]				

[illegible] 1123 [illegible]

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
9/13/95	51 sx	EOT 11276'	—	Rpt.	Could not [illegible]	[illegible]	9/14/95 0800	[illegible]
[illegible]	86 [illegible]	EOT [illegible]	-	[illegible]	[illegible]8'	-	[illegible] 0900	[illegible]
[illegible]	[illegible]	[illegible]		[illegible]	[illegible]39'	—	—	[illegible]
[illegible]	[illegible]	EOT [illegible]	-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10/4/95	342 SX	EOT @ 880'	-	Rpt	Returns to Surface		10/4/95	[illegible]

Exxon NLOF #10

Castaic Junction Fld



RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P295-148

PERMIT TO CONDUCT WELL OPERATIONS

126
(field code)
00
(area code)
--
(new pool code)
15/20
(old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
May 22, 1995

Your proposal to abandon well "Newhall Land & Farming Co." 10, A.P.I. No. 037-16481, Section 23, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ---------- area, 15/21 Del Valle pool, Los Angeles County, dated 4/20/95, received 4/26/95, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOGGR Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 11,520'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   A. To witness the location and hardness of the cement plugs at 12,280', 10,510' and 6,490'.
   B. To witness the mudding of the well.
   C. To witness the placing of cement inside the 7" casing at the surface and all annuli.
   D. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By

Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

CRITICAL WELL

As defined in the California Administrative Code, Title 14, Section 1720(a), "Critical well" means a well within:

(1) 300 feet of the following:
  (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
  (B) Any airport runway
(2) 100 feet of the following:
  (A) Any dedicated public street, highway, or nearest rail of an operating railway that is in general use;
  (B) Any navigable body of water or watercourse perennially covered by water;
  (C) Any public recreation facility such as a golf course, amusement park, picnic ground, campground, or any other area of periodic high density population; or
  (D) Any officially recognized wildlife preserve.

Exceptions or additions to this definition may be established by the supervisor upon his own judgement or upon written request of an operator. This written request shall contain justification for such an exception.

95
RECEIVED

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P295-148

PERMIT TO CONDUCT WELL OPERATIONS

126
(field code)
00
(area code)
--
(new pool code
15/20
(old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
May 22, 1995

Your proposal to abandon well "Newhall Land & Farming Co." 10, A.P.I. No. 037-16481, Section 23, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ---------- area, 15/21 Del Valle pool, Los Angeles County, dated 4/20/95, received 4/26/95, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOGGR Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 11,520'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   A. To witness the location and hardness of the cement plugs at 12,280', 10,510' and 6,490'.
   B. To witness the mudding of the well.
   C. To witness the placing of cement inside the 7" casing at the surface and all annuli.
   D. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By

Patrick J. Kinnear
Deputy Supervisor

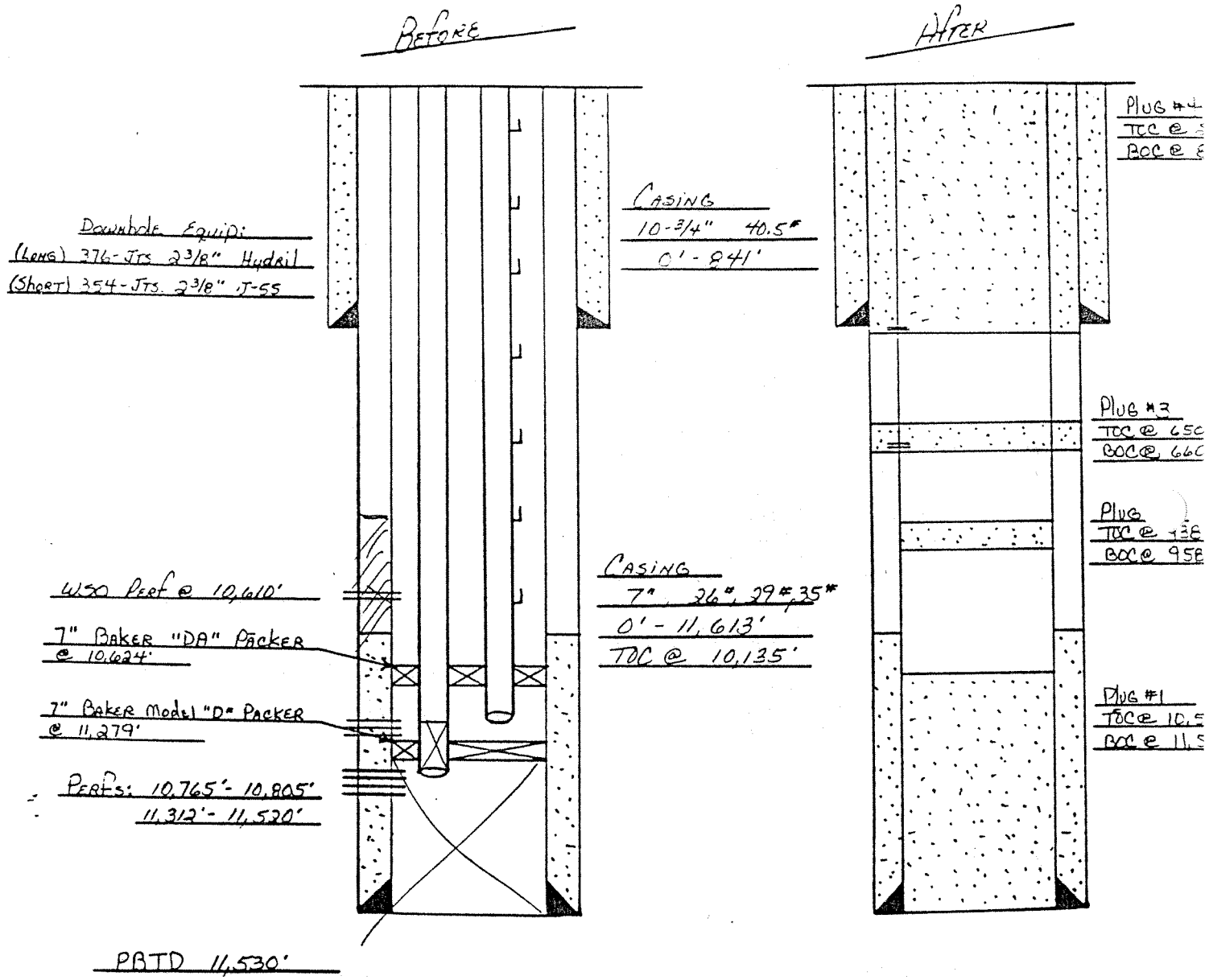
A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

Well No. Newhall Land + Farm Co. #10
API No. 037-16481
Loc. Sec. 23, T-4N, R-17W
Job No: 600164414

DATE: 2/29/95
JKS



Base Fresh Water @ 841'
Upper Zone: 9482'

Drilled: Humble Oil + Refining
April 1957
TEST

RECEIVED
APR 26 1995
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
December 4, 1992

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 11, A.P.I. No. 037-16482
Section 24, T. 4N, R. 17W, SB B.&M., Castaic Junction field
Los Angeles County, dated April 23, 1992, received April 27, 1992
has been examined in conjunction with operations witnessed and records file in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Hinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR Exxon
WELL NO. "Newhall Land & Farming" 11
MAP

INTENTION	Abd.	Susp.				
NOTICE DATED	3-6-92	4-23-92				
P-REPORT NUMBER	292-092	292-[illegible]				
CHECKED BY/DATE		FAN 12/2/92				
MAP LETTER DATED		12/5/92				
SYMBOL		+				

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	3-10-92		4-23-92									
HISTORY			7-22-92									
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS		✓				
OPERATOR'S NAME		✓				
WELL NO.		✓				
LOC & ELEV		✓				
SIGNATURE		✓				
SURFACE INSP.		11-17-92				
DRILL CARD						

RECORD'S COMPLETE _____ _____ _____ _____ _____ _____

FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

INJECTION BOOK _____
IDLE WELL LIST _____
SURFACE INSP. CARD _____
OK TO RELEASE FROM CONFIDENTIAL _____
ABANDONED-REMOVED FROM E.D.P.

REMARKS: _____

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator Exxon Corporation Well No. "N.L. & F" 11

API No. 037-16482 Sec. 24, T. 4, R. 17, S.B. B&M

Field Castaic Junction, County Los Angeles. On 7-28-92,

Mr./Ms. [illegible], representative of the supervisor, was present from 0900 to 1100.

There were also present Dave Morris, Exxon [illegible] Engineer

Casing record of well: 10¾" cem 819', 7" cem 10555 perfs 800' - 820' (cc ...), perf 10464, bad 9770. [illegible] 10555' - 1094?. [illegible] below 9751'. TD 10948'. Plugged w/ cem 10609 - 9800', 9751 - 9519 & [illegible]

The operations were performed for the purpose of [illegible]

370' - 5'.

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ______' is approved.

Hole size: ______" fr. ______' to ______', ______" to ______' & ______" to ______'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]	[illegible]
											[illegible]

Casing/tubing recovered: 2⅞" shot/cut at 9751', ______', ______' pulled fr. [illegible]';

7" shot/cut at 800'-820', ______', ______' pulled fr. ______'.

Junk (in hole): [illegible] 9770', [illegible]

Hole fluid (bailed to) at ______'. Witnessed by ______

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.63 [illegible]	6/8	400	Tag @ 9519	—	SURFACE	REPORTED

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
6/5	211 CF	Coil Tubing @ 10,609	[illegible]	D. Morris	[illegible] 9?4	1000 #	6/6 @ [illegible]	[illegible]
6/6	36 CF	Coil Tubing @ 9943'	✓	✓	9300'	[illegible]	—	
6/7	65 CF	Tag @ 9751	✓	✓	9519	[illegible]	6/8 [illegible]	[illegible]
6/8	345 CF	Tag @ 820	[illegible]	D. Hesson	370		[illegible] —	REPORTED
6/11	77 cf	Tag @ 370'	[illegible]	D. Morris	5'	VISUAL	7/28 0900	[illegible]

C/O 10,609 W/ [illegible] tubing 6/4/92.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-144

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
September 3, 1992

Your operations at well "N.L. & F" 11, API No. 037-16482, Sec. 24T. 4N,R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 7-28-92. B. Hesson, representative of the supervisor, was present from 0900 to 1100. There were also present Dave Morris, Exxon Drilling Engineer.

Present condition of well: 10 3/4" cem 818'; 7" cem 10555', perfs 800'-820' (cem off), perf 10464', bad 9770'; OPEN HOLE 10555'-10948'. Junk below 9751'. TD 10948'. Plugged w/cem 10609'-9800', 9751'-9519' & 370'-5'.

The operations were performed for the purpose of abondonment.

DECISION:

The plugging operations as reported and witnessed are approved.

PK:nr

K.P. HENDERSON, Acting Chief
By
Patrick J. Kinnear
Deputy Supervisor

OG109

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

ORIGINAL

JUL 30 1992

VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Company, U.S.A. Field Castaic County Ventura
Well Newhall Land & Farming 11, Sec. 24, T 4N, R 17W, SB B. & M.
A.P.I. No. 037-16482 Name Bradley W. Corson (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date July, 19 92

Signature BW Corson

P. O. Box 5025, Thousand Oaks, CA 91359 (Address) 805/494-2000 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

6/1/92 Moved in and rigged up. Rigged up pump and tanks. Rigged up kill string. Pumped 100 bbls of water down tubing, tubing pressure at 20 psi, casing at 100 psi. Continued to pump 70 bbls of water to kill well. Nippled down and removed production tree. Nippled up Class II BOP and BOE and tested OK. Rigged up work floor and tubing equipment. Closed in well.

6/2/92 Opened well, 0 psi on tubing and 50 psi on casing. Bled down well and worked packer. Unable to circulate well, pumping in formation and worked packer with 80,000# tension. Attempt to reverse circulate, small amount of returns at 800 psi. Rigged up Tiger wireline. RIH with 1-7/16" sinker bars and tagged fill at 10,883'. POOH. Heavy oil in tubing and work packer. Reverse circulate well. Recovered 250 bbls of heavy oil. Circulated 400 bbls of water down casing to Baker tank. Worked packer. Closed in well. NOTE: Received verbal approval from Ventura District Division of Oil and Gas to run through packer with flush joint tubing to clean out to 10,605' and cement bottom zone.

6/3/92 Opened well. Tubing on vacuum and casing at 500 psi. Bled down well. worked stuck packer. Rigged up Nowcam coil tubing. Circulated well while running in hole with 1-1/2" tubing. POOH. Closed in well.

6/4/92 Opened well, 0 psi on tubing and casing. Tubing on vacuum. Pressure test coil tubing and BOP to 300 psi, low and 3000 psi, high (5 minute test). Reverse circulate while running in hole with 1-1/2" coil tubing. Oil returns started at 9,000'. Circulating pressure at 1000 psi, maximum. Pressure on

7" casing at 600 psi. RIH and tagged fill at 10,618'. Reverse circulate to 10,618'. Circulated well clean. Pulled up to 7,000'. Closed in well.

6/5/92 Opened well, no pressure. RIH with 1-1/2" coil tubing. filled well with 20 bbls of fresh water. Circulate while running in hole, tagged bottom at 10,618'. Tag witnessed by Division of Oil and Gas. Reverse circulate well clean. Rigged up Halliburton and tested lines at 500 psi, low and 5000 psi, high, OK. Mixed and pumped 130 sacks (210 ft^3) of Class G cement with 2% retarder, 1% CFR-3 and 40% silica sand from 10,618' to 9770'. Tubing pressure while pumping at 4000 psi, 7" casing at 400 psi. Tubing tail at 10,618'. Displaced with 24 bbls of fresh water. Pulled tubing to 9780'. Reverse out, pumping 18 bbls of water with no returns. POOH with 1-1/2" coil tubing. Circulate 24 bbls of fresh water through 1-1/2" coil tubing at surface. Closed in well.

6/6/92 Opened well, 0 psi on tubing and 75 psi on casing. RIH with 1-1/2" coil tubing. Reverse circulate in, lost 30 bbls in one hour. Tagged cement at 9943'. Circulate well clean. Rigged up Halliburton and tested lines at 500 psi and 5000 psi (10 minute test). Circulate well. Mixed and pumped 22 sacks (36 ft^3) of Class G cement with 2% retarder, 1% CFR-3 and 40% silica sand from 9943' to 9780'. Tubing tail at 9940'. Displaced with 24 bbls of fresh water at 4000 psi. Pulled coil tubing to 9780'. Reverse circulate out 45 bbls of fresh water. Rigged out Halliburton. POOH with Nowcam coil tubing. Displaced coil tubing with nitrogen. Rigged out Nowcam. Closed in well. NOTE: Cementing witnessed by B. Hesson of Division of Oil and Gas.

6/7/92 No well work.

6/8/92 Opened well, 0 psi. Rigged up Archer wireline. RIH with 2.30 gauge ring and sinker bars and tagged packer at 9760'. POOH. RIH with sinker bars and tagged top of cement at 9800'. POOH. RIH with 2-1/4" tubing plug set at 9723', first collar above packer. Tested tubing to 1000 psi, OK. Released plug. POOH. Rigged out slick line. Rigged up Tiger . RIH with 2-1/4" jet cutter. Located packer at 9757'. Located collar at 9727'. Cut tubing at 9751' (6' above packer). POOH. Rigged out wireline. Circulated well with fresh water. Recovered 200 bbls of oil from casing. Rigged up Halliburton and tested lines from 500 psi to 5000 psi, OK. Circulate well. Pressured tubing to 500 psi, held for 15 minutes. Mixed and pumped 41 sacks (66 ft^3) of Class G cement with 2% retarder, 1% CFR-3 and 40% silica sand. Displaced

ORIGINAL

with 53 bbls of fresh water. Rigged out Halliburton. POOH with 12 joints of tubing to 9379'. Reverse circulate two tubing volumes. POOH (estimate tubing tail at 8759'). Closed in well.

6/9/92 Opened well, no pressure. RIH with 2-7/8" tubing and tagged cement at 9519'. Tag witnesses by B. Hesson of the Division of Oil and Gas. Circulated 330 bbls of 9.7 ppg mud down tubing. POOH and laid down 262 joints of 2-7/8" tubing. Filled casing with water. Closed in well. NOTE: Mud operation waived by Division of Oil Gas.

6/10/92 Opened well, no pressure. Continued POOH and laid down 25 joints of tubing. Filled casing with lease water. Rigged up Tiger wireline with lubricator. RIH with perf gun and shot four 1/2" holes from 800' to 820'. Circulate 9.7 ppg mud down 7" casing and up 10-3/4" casing to surface. Rigged out wireline. RIH with 26 joints of tubing open ended. Rigged up Halliburton and tested lines at 250 psi and 3000 psi, OK. Mixed and pumped 300 sacks (345 ft^3) of Class G neat cement. Circulated up 7" casing at 150 psi. Displaced with 4-1/2 bbls of fresh water. Bled back 2-1/2 bbls. Estimate top of cement at 400'. Rigged out cementers. Closed in well.

6/11/92 Opened well, no pressure. RIH and tagged cement at 376'. POOH and laid down 14 joints of tubing. Rigged up Halliburton. Tubing tail at 370'. Mixed and pumped 67 sacks (77 ft^3) of Class G neat cement to top off 7" casing. POOH and laid down tubing. Rigged out Halliburton. Rigged down and moved off. NOTE: Division of Oil and Gas waived witness to surface plug.

CLEANHOLE FLUIDS, INC.

WORKOVER, COMPLETION & DRILLING FLUIDS

POST OFFICE BOX 3657
VENTURA, CALIFORNIA 93006
(805) 648-2273

FL / REPORT — REPORT No. 1

DATE June - 9 1992 — DEPTH

API WELL NO.	STATE	COUNTY	WELL	S/T

OPERATOR	CONTRACTOR	RIG NO.
Exxon Inc.	Pool	
ADDRESS	**ADDRESS**	**SPUD DATE**
		SECTION TOWNSHIP RANGE
REPORT FOR MR.	**REPORT FOR MR.**	
Dave Morris	Ken Kandy	

WELL NAME AND NO.	FIELD OR BLOCK NO.	COUNTY, PARISH OR OFFSHORE AREA	STATE OR PROVINCE
W L + F #11			

OPERATION		CASING	FLUID VOLUME (BBL)	CIRCULATION DATA	
PRESENT ACTIVITY		SURFACE 7 IN. at 9450 FT.	HOLE PITS	PUMP SIZE X IN.	ANNULAR VEL. (FT./MIN.) OPPOSITE DP
BIT SIZE (IN.)	NO.	INTERMEDIATE IN. at FT.	TOTAL CIRCULATING VOLUME	PUMP MAKE MODEL	OPPOSITE COLLAR
DRILL PIPE SIZE	TYPE	PRODUCTION OR LINER IN. at FT.	IN STORAGE	BBL/STROKE STROKE/MIN	CIRCULATING PRESSURE PSI
DRILL COLLAR SIZE	LENGTH	FLUID TYPE Bentonite/Gaite		BBL./MIN.	BOTTOMS UP (MIN.) SYSTEM TOTAL (MIN.)

Sample from ☐ Flowline ☐ Pit Flowline Temperature °F	FLUID PROPERTIES		
Time Sample Taken			
Depth (ft)			
Weight ☐ (ppg) ☐ (lb/cu ft)	9.7 / 73°		
Mud Gradient (psi/ft)	.50		
Funnel Viscosity (sec/qt) API at °F	52		
Plastic Viscosity cp at °F	26		
Yield Point (lb/100 sq ft)	14		
Gel Strength (lb/100 sq ft) 10 sec/10 min	16 12	/	/
pH ☐ Strip ☐ Meter	8		
Filtrate API (ml/30 min) Spurt Loss (1 min)	9.1	/	/
API HP-HT Filtrate (ml/30 min) °F			
Cake Thickness 32nd in API ☐ HP-HT ☐	2/32		
Alkalinity, Mud (P_m)			
Alkalinity, Filtrate (P_f/M_f)	/	/	/
Salt ☐ ppm ☐ gpg Chloride ☐ ppm ☐ gpg			
Calcium ☐ ppm ☐ Gyp (ppb)			
Sand Content (% by Vol)			
Solids Content (% by Vol) - Centrifuge			
Oil Content (% by Vol)			
Water Content (% by Vol)			
Methylene Blue Capacity (me/ml mud)			

EQUIPMENT

	SIZE	HRS/TOUR				SIZE	HRS/TOUR		
Centrifuge					Desilter				
Degasser					Shaker				
Desander					Other				

DAILY COST — CUMULATIVE COST

FLUID PROPERTIES SPECIFICATIONS

WEIGHT	VISCOSITY	FILTRATE

BY AUTHORITY ☐ OPERATOR'S WRITTEN ☐ DRILLING CONTR. ☐ OPERATOR'S REPRESENTATIVE ☐ OTHER

MATERIALS RECOMMENDED

Min. 400 BBLS. of Abandoned Fluids

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY CLEANHOLE FLUIDS CO. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY

REPRESENTATIVE	HOME ADDRESS	TELEPHONE
Barry Greason	VTA	
MOBILE UNIT	WAREHOUSE LOCATION 805-648-2273	TELEPHONE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-116
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
May 6, 1992

Your supplementary proposal to abandon well "Newhall Land & Farming Co. 11", A.P.I. No. 037-16482, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, -------- area, 10-A pool, Los Angeles County, dated 04/23/92, received 4/27/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Requirements specified in permit No. P292-072, dated March 16, 1992 shall apply.

SF:tkc

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By _____
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

SUPPLEMENTARY NOTICE

FOR DIVISION USE ONLY		
BOND	FORMS	
	OGD114	OGD121
BB	—	✓

DIVISION OF OIL AND GAS

A notice to you dated March 6, 1992, stating the intention to

Abandon, Well No. NL&F #11, API No. 037-16482,

Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castiac Junction Field,

Los Angeles County, should be amended because of changed conditions.

The present condition of the well is as follows:

1. Total depth 10,948'

2. Complete casing record, including plugs and perforations

10 - 3/4" surface casing	0' - 818'
7", 23# & 26# casing	0' - 10,555'
-bad spot at 9770'	
9 7/8" Open hole completion	10,555' - 10,948'

We now propose:

1. MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out to TD at 10,948'.
3. Place class "G" cement plug from TD to 100' above the bad spot in the casing. DOG to witness placement and tag.
4. Place 9.62 ppg mud from TOC to 608'.
5. Shoot cavity shot at 803'. Squeeze class "G" cement plug from 808' to 708'. DOG to witness placement and tag.
6. Shoot 4 holes @ 100'. Place class G cmt plug from 708' to surface. Down Squeeze 100 lin. ft., getting returns in casing/conductor annulus. DOG to witness set of plug.
7. Cut off casing @ 5' and weld plate with well identifier.
8. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 225 W. Hillcrest Drive (Street)
Thousand Oaks, CA 91360 (City) (State) (Zip)

Telephone Number 805-494-2000

Exxon Company, USA (Name of Operator)

By R. W. Romere (Name-Printed)

R W Romere 4/23/92 (Name-Signature) (Date)

Type of Organization Corporation

JLD\dy
NLF11ABD.DOG

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-072
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
March 16, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 11, A.P.I. No. 037-16482, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ---------- area, 10-A pool, Los Angeles County, dated 3/6/92, received 3/10/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,948'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To Witness the location and hardness of the cement plug at 9670' and 703'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

SF:tkc

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

12/6/09

DIVISION OF OIL AND GAS
RECEIVED
MAR 10 1992
VENTURA CALIFORNIA

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	—	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #11 (Well designation), API No. 037 - 16482

Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19 ___.

The present condition of the well is:

1. Total depth 10,948'

2. Complete casing record, including plugs and perforations
   10-3/4" conductor 0' - 818'
   7", 23# & 26# casing 0' - 10,555'
   - bad spot in casing @ 9770'
   Open hole completion 10,555' - 10,948'

3. Last produced 3/69 (Date) 25 (Oil, B/D) 475 (Water, B/D) 113 (Gas, Mcf/D)

   OR

4. Last injected ---- (Date) ---- (Water, B/D) ---- (Gas, Mcf/D) ---- (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost productive zone:

   Top of 10 Sand: 10,563'
   Base of 10 Sand: 10,670'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 808'

The proposed work is as follows:

1. MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out to TD at 10,948'.
3. Place class "G" cement plug from TD to 100' above the bad spot in the casing. DOG to witness placement and tag.
4. Place 9.62 ppg mud from TOC to 608'.
5. Shoot cavity shot at 803'. Squeeze class "G" cement plug from 808' to 608'. DOG to witness placement and tag.
6. Place 9.62 ppg mud from top of cement to 55'.
7. Shoot 4 holes @ 100'. Squeeze cement plug from 105' to surface getting returns in casing/conductor annulus. DOG and LAFD to witnes set of plug.
8. Cut off casing @ 5' and weld plate with well identifier.
9. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 225 W. Hillcrest Drive (Street)
Thousand Oaks, CA 91360 (City) (State) (Zip)
Telephone Number 805-494-2000

Exxon Company, USA (Name of Operator)
By R W Romere (Name-Printed)
R W Romere 3-6-92 (Name-Signature) (Date)
Type of Organization Corporation

JLD\dy
NLF11ABD.DOG

DIVISION OF OIL AND GAS
RECEIVED
MAR 6 - 1953
LOS ANGELES, CALIFORNIA

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator Humble Oil & Refining Company Field Castaic Junction

Well No. Newhall Land & Farming Co #11 Sec 24, T 4-N, R 17-W, S.B. B & M

Location 3240' South 10,711' East of Corner 11, Rancho San Francisco Elevation above sea level 1320 feet
All depth measurements taken from top of R D B, which is 10' above ground.

Date 2-23-53

H. G. Fabiano
Geologist

Signed James E. Cox

Commenced drilling 10-31-52 Completed drilling 1-29-53 Rotary Drill Tools

Total depth 10,948 Plugged depth - -

Junk None

Geological Markers	Depth
Top Delmontian	8500
Top Mohnian	10370

Commenced producing 1-29-53

	Clean Oil (bbls per day)	Gravity Clean Oil	% Wtr Incl Emulsion	Gas MCF Day	Tubing Pressure	Casing Pressure
Initial production	309	17	.10	80	400	200
Production after 21 days	300	17	.10	80	520	150

Casing Record

Size of Casing	Depth of Shoe	Top of Casing	Weight	New or Used	Seamless or Lapweld	Grade	Size Hole	Sacks Cement	Depth of Cementing if thru Perf.
10-3/4	817.61	13.87	42	New	SS	X-42	16"	850	-
7	10555.00	13.87	23-26	New	SS	N-80 S-95	9-7/8	400	-

Perforations

Size of Casing	Feet From	Feet To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforation
7"	10464	10465	½" shots WSO	3 shots	-	A-2 Bullet

Electrical Log Depths: 857-9361-10574-10945.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California

August 23, 1988

C. G. Lyons, Agent
Exxon Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

Your report of abandonment of well "Newhall Land & FArming Co." 12
(Name and number)
A.P.I. No. 037-16483, Section 24, T. 4N, R. 17W, S.B. B. & M.,
Castaic Junction field, Los Angeles County,
dated 8-12-88, received 8-15-88, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.

b

MAP	MAP BOOK	CARDS	BOND	EDP	FORMS 114	FORMS 139
			BB	✓	—	2

M. G. MEFFERD
State Oil and Gas Supervisor

By Patrick J. Kinnear
Deputy Supervisor

Patrick J. Kinnear

OG159 (11/82/GSR1/8M)

OPERATOR Exxon
WELL NO. "N.L.F.C." 12
MAP

INTENTION	Add					
NOTICE DATED	2-2-88					
P-REPORT NUMBER	288-67					
CHECKED BY/DATE	[illegible]					
MAP LETTER DATED	[illegible]					
SYMBOL	[illegible]					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	2-5-88											
HISTORY	[illegible]											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	[illegible] 5/13/88					
DRILL CARD						

RECORD'S COMPLETE [illegible] 5-16-88

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD
OK TO RELEASE FROM CONFIDENTIAL

REMARKS:

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 288-67

126 (field code)
00 (area code)
-- (new pool code)
25 (old pool code)

PERMIT TO CONDUCT WELL OPERATIONS

C. G. Lyons, Agent
EXXON CORPORATION
P.O. Box 5025
Thousand Oaks, CA 91359

Ventura, California
February 17, 1988

Your proposal to abandon well "Newhall land & Farming Co." 12, A.P.I. No. 037-16483, Section 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction field, any area, no breakdown pool, Los Angeles County, dated 2/2/88, received 2/8/88 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVE DPROVIDED THAT:

1. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
2. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
3. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu.ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq.ft.
4. Freshwater deposits are protected by squeeze-cementing through perforations at 800' with the equivalent of 100 lineal feet of cement, or by placing a cement plug across a cavity shot at that depth. In either case, cement fill inside the casing must be to at least 100 feet above the perforations or cavity shot.
5. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. TO WITNESS the mudding of the well.
   b. TO WITNESS the placing of the cement plug from 800' to 700'.
   c. TO WITNESS the placing of the surface plug inside the 7" casing and the plug in the 10 3/4" and 7" casing annulus or to verify their location.
   d. TO INSPECT and approve the cleanup of the well site before approval of abandonment will be issued.

MS:ljg

Engineer Michael Stettner

Phone (805) 654-4761

M. G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinney
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
FEB 8 1988
VENTURA, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	75	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Newhall Land & Farming #12, API No. 037-16483, Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County, commencing work on _____, 19__.

The present condition of the well is:

1. Total depth: 12,340'

2. Complete casing record, including plugs and perforations:

10-3/4", 40.5 ppf csg at 782'
7", 23 to 35 ppf csg at 12,291'
Squeezed perfs from 12,166-65'; 12,140-20'
10,601-600'; 10,301-300'; 12,259-58'.
Baker cement retainer at 10,200' with perforations cemented at 10,390'-10,460'

3. Last produced - - - -
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)

or

4. Last injected 1/70 466 KCF/D
(Date) (Water, B/D) (Gas, ~~Mcf/D~~) (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: _____

The proposed work is as follows:

1. MI & R/U rig.
2. N/D x-mas tree & R/U BOPs. Test same.
3. TIH to 800' & circulate out the 11.4 ppg mud which is in the well and test its gel strength.
   a) If gel strength is above 40#/100 ft^2, then continue to Step 4.
   b) If gel strength is not above 40#/100 ft^2, then continue RIH to 10,200' and test the mud. Either treat the present mud in the well to meet DOG specifications or circulate new mud in the well.
4. R/U ELU and perforate the 7" casing at 750' +/-.
5. Spot a balanced cement plug from 550' to 750' +/- in the 7" casing and in the 7" x 10-3/4" annulus. Tag and test same.
6. Spot a balanced cement plug from 5' to 50'.
7. Cut the 10-3/4" and 7" casing 5' below ground level. Weld a plate over same.
8. R/D rig. Break up cellar location and clean same.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Drive (Street)
Thousand Oaks (City) California (State) 91360 (Zip)
Telephone Number (805) 494-2419 (Area Code) (Number)

Exxon Company, U.S.A. (Name of Operator)
By T. R. Watts (Signature) 2/2/88 (Date)
Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

OG108 (8-75—CSRI—15M)

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DUPLICATE

History of Oil or Gas Well

Operator Exxon Corporation Field Castiac Junction County Los Angeles
Well Newhall Land & Farming 12, Sec. 24, T 4N, R 17W S.B. B. & M.
A.P.I. No. 037-16483 Name Myron E. Fedak (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date August 12, 1988

Signature Myron E. Fedak

P. O. Box 5025, Thousand Oaks, CA 91359 (Address) 805-494-2605 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

5-04-88 Moved in, rigged up. Buried 4 marsh anchors. Removed tree. Installed and tested BOP at 1100 psi. Installed working platforms. Rigged up and picked up 26 joints 2-3/8" EU 8rd N-80 tubing. Rigged up B. J. Hughes, pumped 9.6 ppg mud at 806'; good returns. Engineer tested mud at 9.6 ppg with a 10 minute gel strength of 60. Closed in well, shut down until morning.

5-05-88 Pulled 13 doubles. Filled hole. Rigged Tiger Wireline, shot cavity at 800'. Rigged up B. J. Hughes. Ran 13 doubles of 2-3/8" tubing with tubing tail at 806'. Pumped 200 sacks cement. Circulated through surface pipe and casing. Pulled 13 doubles. Topped off casing with fresh water.

5-06-88 Ran tubing, tagged cement plug at 325'. Pulled and laid down 26 joints 2 3/8" tubing. Rigged Tiger Wireline shot cavity at 60'. Pumped 62 sacks cement to surface. Rigged down floor and BOP. Loaded out tools. Rigged down and moved off.

5-07-88
through
5-24-88 No well work.

5-25-88 Finished cleaning surface location. Removed flowline from location. DOG approved final surface abandonment.

DIVISION OF OIL AND GAS
RECEIVED
AUG 15 19[illegible]
VENTURA, CALIFORNIA

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 288-116

DIVISION OF OIL AND GAS

Report on Operations

C. G. Lyons, Agent
Exxon Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

Ventura, Calif.
May 17, 1988

Your operations at well "Newhall Land & Farming Co." 12, API No. 037-16483, Sec. 24, T. 4N R. 17W SB B.& M. Castaic Junction Field, in Los Angeles County, were witnessed on 5/6/88. Bill Winkler, representative of the supervisor, was present from 0600 to 0900. There were also present Marion Blair

Present condition of well: 10 3/4" cem 782'; 7" cem 12291'. Perf 60' & 80' for abandonment operations. TD 12340', ED 10200'. Plugged w/cem 806-310' and 60-5'.

The operations were performed for the purpose of abandonment

DECISION:

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

b

M. G. MEFFERD

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109 (3/83/GSR1/15M)

FORM 103 SUBMIT IN DUPLICATE 26535-705 7-64 25M △ OSP

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR Humble Oil & Refining Company FIELD Castaic Junction

(037-16483)
Well No. "Newhall Land & Farming Co." 12, Sec. 24, T. 4N, R. 17W, S.B. B. & M.

Date October 7, 1970 Signed [signature]

P.O. Box 7033, Long Beach, Calif. (213-426-8844) Title District Superintendent
(Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date	
9/28/70	Move in, rig up.
9/29/70	Installed and tested BOE. Cond. mud.
9/30/70	Circ, cond. 11.5# mud. Installed de-gasser.
10/1/70	Pulled 360 jts 2-7/8" tubing. Tubing parted at 10,378'. Fishing.
10/2/70	Fishing.
10/3/70	Fishing. Unable to work over fish.
10/4/70	Ran 5" IB. Top of fish at 10,397' (corrected depth). Fishing.
10/5/70	Set Baker cement retainer at 10,200'. Broke down formation w/17 cu ft per min. at 3500 psi. Pressure tested casing above retainer at 2000 psi. Mixed 200 sacks cl "G" cement w/.2% D-28 retarder. Starting squeeze pressure 2800 psi. Maximum and final pressure 3500 psi. Pulled up to 10,140'. Reversed out approximately 45 cu ft mud and cement. CIP at 2:45 p.m. Witnessed and approved by Division of Oil and Gas. Pulled tubing.
10/6/70	Well suspended.

DIVISION OF OIL AND GAS
RECEIVED
OCT 8 1970
[illegible]

FORM 111

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 170-908

Mr. B. D. Holland, Agent
HUMBLE OIL & REFINING COMPANY
P. O. Box 7033
Long Beach, CA 90807

Inglewood, Calif.
October 21, 1970

DEAR SIR:

Your proposal to Plug (037-16483) Well No. "Newhall Land & Farming Co." Section 24 T 4 N, R 17 W S.E. B. & M., Castaic Junction Field, Los Angeles County, dated 10/12/70, received 10/16/70, has been examined in conjunction with records filed in this office.

NOTE: 7" perf. 10,235' WSO

THE PROPOSAL, COVERING WORK ALREADY COMPLETED IN ACCORDANCE WITH PRIOR AGREEMENT, IS APPROVED.

MM:mw

cc E. D. Holland (2)
Newhall Land & Farming Co.

Blanket Bond

F. E. KASLINE, State Oil and Gas Supervisor

By M. A. Alvarez, Jr., Deputy

FORM 107

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

RECEIVED
OCT 16 1970
INGLEWOOD, CALIFORNIA

DIVISION OF OIL AND GAS

Notice of Intention to ~~Deepen, Redrill, Plug or Alter Casing in~~ Temporarily Abandon Well

This notice must be given before work begins; one copy only

Long Beach Calif. October 12, 1970

DIVISION OF OIL AND GAS 830 North La Brea Avenue, Inglewood, California

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence and temporarily abandoning the work of ~~deepening redrilling~~ plugging ~~or altering casing~~ at Well No. Newhall Land & Farming Co. "No." 12
(Cross out unnecessary words)

_____, Sec. 24, T. 4.N, R. 7.W, SB B. & M.

Castaic Junction Field, Los Angeles County.

The present condition of the well is as follows:

1. Total depth. 12,340'

2. Complete casing record, including plugs:
782' 10-3/4" 40.5# J-55 casing cemented with 600 sacks
12,291' 7" 23 to 35# N-80 casing cemented with 250 sacks
Plug at 12,241'
Squeezed perforations: 12,166-65', 12,140-20', 10,601-600', 10,301-300' and 10,259-58'
Perforated: 12,214-173', 12,153-080' in 21 Main
10,460-390' in 10-B zone

The casing was found parted at 10,397'. Effort to wash over tubing side tracked the hole.

3. Last produced. 4-20-57 (Date) 178 (Oil, B/D) 0 (Water, B/D) 1520 (Gas Mcf/D)

The proposed work is ~~as follows:~~ as verbally approved by DOG and performed on October 5, 1970

1. Set retainer at 10,200'
2. Squeeze with 200 sacks of cement. DOG to witness squeeze job.

MAP	BOOK	CARDS	BOND	FORMS 114	FORMS 121
				RG	RG

P. O. Box 7033
Long Beach, California
(Address)

(213) 426-8844
(Telephone No.)

HUMBLE OIL & REFINING COMPANY
(Name of Operator)

By R. G. Jackson
District Superintendent

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

13594-705 8-67 15M OSP

WORK PERFORMED:

Drill_____ Redrill_____ Deepen_____

Plug_____ Alter casing_____

Water flood_____ Water disposal_____

Abandon_____

Other_____

STATUS: (Date)

Producing_____

Recomp. prod._____

Water flood_____

Water disposal_____

Abandoned_____

Other_____

MAP AND BOOK_____

RECORDS FILED & DATE: Clerk____

Summary (dup.)_____

Log & Core (dup.)_____

History (dup.)_____

E-log_____

Radio log_____

D. Survey_____

Other_____

(Check records for signature and correct name of operator or well, S.T.R. and field.)

Location_____ Notice states_____

_____

_____

_____

_____

Elevation_____ Notice states_____

_____

_____

_____

Production Reports_____

_____

(If production reports not received, make notation and inform Sr. Steno. when rec'd.)

If stimulation or disposal well:
Form 121_____ Folder_____

RECORDS & REQUIREMENTS CHECKED: Eng.___

_____

_____

_____

_____

_____

_____

_____

Surface inspection_____

Data needed_____ Clerk:

Request records_____ F 170___

Correct records_____ F 165___
(Specify) 165A___

CARDS_____

BOND:_____

Hold___ Reason_____

Release___ Date elig._____ F 150b___

End premium year_____
Release requested_____ (Check)
Bond superseded_____ (one)
Well abandoned_____

FINAL LETTER_____ F 159___
and
FILE CLEARED_____ F 12___

Form 19-A

FORM 109-D

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 170-886

Mr. B. D. Holland, Agent
HUMBLE OIL & REFINING COMPANY
P. O. Box 7033
Long Beach, CA 90807

Inglewood, Calif.
October 14, 1970

DEAR SIR: (037-16483)

Operations at well No. "Newhall Land & Farming Co." 12 Sec. 24, T. 4 N, R. 17 W, S.B. B & M. Castaic Junction Field, in Los Angeles County, were witnessed on October 5, 1970. Mr. R. Johnson, Engineer, representative of the supervisor was present from 1245 to 1450. There were also present M. Swinford & V. Fortinberry, Drilling Foremen

Present condition of well: 10-3/4" cem. 782'; 7" cem. 12,291', cp 12,165', 12,120', 10,600', 10,300' & 10,258', perf. 10,239' WSO, perfs. 12,214'-12,173', 12,153'-12,080', 10,460'-10,390'; 7" parted @ 10,397', Effec. depth 12,241'; Junk packer @ 12,050', 2-7/8" tubing 10,397'-12,050', CB 12,340', plugged w/200 sacks of cem. below 10,200'.

The operations were performed for the purpose of witnessing the plugging operations in the process of plugging back.

Mr. Swinford reported:

1. The 2-7/8" tubing parted at 10,397'.
2. While attempting to recover the 2-7/8" tubing, the washover pipe sidetracked the 7" casing at 10,397' and went to 10,414'.
3. An impression block showed that the 7" casing had shifted 6" to the side at 10,200'.
4. A cement retainer was set at 10,200'.

THE ENGINEER NOTED THAT 200 sacks of cement was squeezed below the retainer set at 10,200', under a final pressure of 3500 Psi.

THE CEMENTING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

RJ:nw

cc B. D. Holland (2)
Newhall Land & Farming Co.

F. E. KASLINE
State Oil and Gas Supervisor

By M. G. Albright Deputy

35158-705 8-69 15M ② OSP

FORM 111

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 170-772

Mr. B. D. Holland, Agent
HUMBLE OIL & REFINING COMPANY
P. O. Box 7033
Long Beach, California 90807

Inglewood, Calif.
September 11, 1970

(037-13483)
"Newhall Land & Farming Co."

DEAR SIR:

Your proposal to alter casing Well No. 12, Section 24, T. 4 N., R. 17 W., S.B. B. & M., Castaic Junction Field, Los Angeles County, dated 8/27/70, received 9/10/70, has been examined in conjunction with records filed in this office.

NOTE: 7" perf. 10,235' WSO

THE PROPOSAL IS APPROVED.

MM:cc

cc - B. D. Holland (2)
Newhall Land & Farming Co.

BLANKET BOND.

F. E. KASLINE, State Oil and Gas Supervisor

By M G Williams, Deputy

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
December 4, 1992

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 13, A.P.I. No. 037-16484; Section 24, T. 4N, R. 17W, SB B.&M., Castaic Junction field, Los Angeles County, dated June 29, 1992, received July 2, 1992; has been examined in conjunction with operations witnessed and records filed in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM E. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR

LSE & NO 11448 12

MAP 259

	(O)	( )	( )	( )	( )	( )
INTENTION	I	Aband				
NOTICE DATED	6-14					
P-REPORT NUMBER	2					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE												
HISTORY												
BOTTOMS												
ELOG/ELECTRIC LOG												
DIRECTIONAL SURV												
CORR/SWS DESCRIP												
OTHER												
RECORDS COMPLETE												

ENGINEERING CHECK

P-REPORTS	
OPERATOR'S NAME	
WELL DESIGNATION	
LOC & ELEV	
SIGNATURE	
SURFACE INSPECTION	11-24-54
FINAL LETTER OK	

CLERICAL CHECK

POSTED TO 131 _____ 120 MAILED _____ FINAL LETTER MAILED _____

RELEASED BOND _____

REMARKS: _____

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-225

REPORT ON OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 10, 1992

Your operations at well "Newhall Land & Farming Co." 13, API No. 037-16484, Sec. 24, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 11-4-92. Dave Morris, representative of the supervisor, was present from 0700 to 1100. There were also present Dave Morris.

Present condition of well: 10 3/4" cem 785'; 7" cem 10,165', WSO, perf & sq 150', 771'-791' & 10,110'-10,111'; 4" ld 10,122'-10,492', perf 10,168'-10,453'. TD 12,000'. Plugged w/cem 11,900'-11,700', 11,100'-10,900' 10,700'-10,640', 10,306'-9761', 802'-646', & 150'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

SF:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
NOV 13 1992
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Corp. Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. 13 Sec. 24, T 4N, R 17W SB B. & M.
A.P.I. No. 037-16434 Name Judy Bagwell (Person submitting report) Title Sr Staff Office As (President, Secretary or Agent)
Date November 6, 19 92

Signature Judy Bagwell

Environmental & Regulatory Affairs. P. O. Box 1600 Midland. TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

10-19-92 Move in, rig up. Pump 370 bbl lease water, change over well. Close in well.

10-20-92 Open well (on vacuum). Fill well with 48 bbl lease water. Rig up Slickline Unit. RIH to 100'. Set 2-1/2 slip type tubing plug, test okay. Rig out Slickline. Nipple down production tree. Nipple up BOP and BOE. Function test okay. Rig up working floor and tubing equipment. Rig up Slicline. RIH, retrieve plug. Rig out Slickline. Unland tubing, remove sliding donut, working stuck packer at 110,000# - came free after two hours. Pull 40 joints. Close in well.

10-21-92 Open well (no pressure). Continue to pull out with 2-7/8 hydril tubing, mandrels, and packer. Pull and measure 308 joints. Pick up 18 joints 1-1/2 drill rods (537') as tail, run in hole with 200 joints 2-7/8 hydril. Close in well.

10-22-92 Open well (on vacuum). Continue running in hole with 2-7/8 hydril. Tag top of line (4") at 10127'. Tag fill at 10,306', reverse circulate. Attempt to clean out from 10306' to 10316'. Tubing plugged, attempt to unplug by reversing. Losing circulation at 700#. Pump down tubing at 2500#. No movement. Steve Fields, Division of Oil & Gas gave verbal ok to pump cement from 10306' to 10010' and approved cleanout depth to 10316'. Rig up MMI Wireline. RIH with 1-9/16 tubing punch. Heavy oil from 0 to 750', very slow. RIH, locate tubing tail at 9629'. Locate collar a'

9604'. Shoot two holes at 9614'. POOH. Rig out MMI. Pump 10 bbl down tubing. Pull 10 joints. Close in well.

10-23-92 Open well (no pressure). Continue pulling out with 2-7/8 tubing. Hole plugged, tubing wet. Continue pulling wet tubing. Pulled 326 joints 2-7/8 tubing. Rig for 1-1/2 tubing. Pulling 1-1/2 tubing. Last 10 joints plugged with sand. Lay down plugged tubing. Clean up floor and tubing equipment. Pick up 4 joints 1-1/2 tubing. Run 8 joints out of derrick. Rig for 2-7/8 tubing. Run 100 joints. Close in well.

DIVISION OF OIL AND GAS
RECEIVED
NOV 13 1992
VENTURA, CALIFORNIA

10-24-92 through 10-25-92 No well work.

10-26-92 Open well (no pressure). Continue running in hole with 2-7/8 tubing with 1-1/2 tubing tail to 10201'. Circulate well. Tubing plugged. POOH. Tubing wet with oil. Lay down 1-1/2 tubing, 12 joints, found bottom two joints plugged with heavy sand and gravel. Change over to 2-3/8 tubing. Clean up working floor and tubing equipment. Pick up and measure 12 joints 2-3/8 tubing, bottom joint cut at 45 degree. Make up 3 joints 2-7/8 tubing. Run in hole. Close well in.

10-27-92 Open well, tubing 30 psi, casing 0. Continue running in hole with 2-7/8 and 2-3/8. Clean out string. Break circulation at 6200' at 500 psi. Run to 9600'. Circulate well. Clean at 500 psi, 400 bbl, total approximately 250 oil. Run in to 10090'. Clean out by reverse circulation from 10090 to 10206'. Found bridges of sand and tagged possible bad liner at 10200'. Fell through and stopped at 10206'. Rig up cementer. Test lines 300# and 3000#, okay. Mix and pump 50 sacks Class G cement with 40% silica flour and 5% CD-31, 4% R-3. Tubing tail at 10206', displace with 56 bbl lease water. Rig out California Cementing Company. Pull 10 stands 600' to 9606'. Reverse circulate well, 60 bbl in 30 minutes. Took approximately 8 bbl to fill hole. Pull 5 stands to 9306'. Close in well.

10-28-92 Open well (tubing and casing on vacuum). Run in with 2-7/8 tubing. Tag top of cement at 10159'. Reverse circulate clean. Pull to 10148'. Rig up cementer. Test lines 300# and 3000#, okay. Mix and pump 50 sacks Class G

cement with 40% silica flour and 5% CD-31 and 4% R-3. Maximum pressure 800 psi. Displace with 55 bbl lease water. Rig out CCI. Pull 10 stands to 9548'. Reverse circulate out 60 bbl/30 minutes. Pull 5 stds. Close in well.

10-29-92 Open well (no pressure). Run in with 2-7/8 tubing. Tag top of liner at 10127'. Tag top of cement at 10130'. Pull to 10120'. Reverse circulate (fill well with 8 bbl leasewater). Rig up cementer. Test lines 300# and 3000#, okay. Mix and pump 50 sacks Class G cement with 40% silica flour, 5% CD-31, 4% R-3, 800 psi. Displace with 55 bbl lease water. Pull to 9520'. Reverse out 60 bbl, 30 minutes. Pull 5 stands. Close in well.

10-30-92 Open well (no pressure). Run in, tag top of cement at 9761'. Steve Fields, Division of Oil & Gas, gave verbal ok on tag. Rig up pump. Test 7" casing from 0 to 9761' at 500 psi for 5 minutes, okay. Circulate 400 bbl 9.7 ppg mud down tubing, up 7" casing, witnessed by Stephen Mulqueen, Division of Oil & Gas. Pull and lay down 5 joints 2-7/8 tubing. Close in well.

DIVISION OF OIL AND GAS
RECEIVED
NOV 13 1992
VENTURA, CALIFORNIA

10-31-92 through 11-01-92 No well work.

11-02-92 Open well (no pressure). Continue pulling and laying down 2-7/8 hydril tubing. Lay down 318 joints. Stand back in derrick 14 stds, 802'. Lay down 12 joints 2-3/8 tubing. RIH with 26 joints 2-7/8 tubing as kill string. Close in well.

11-03-92 Open well (no pressure). Pull out with 26 joints 2-7/8 tubing. Rig up MMI Wireline. Run in hole with dyna jet perferator, 20' strip, 80 shots total. Locate collar at 800'. Shoot holes from 771' to 791'. Pull out, rig out MMI. Run in hole with 28 joints 2-7/8 tubing. Tubing tail at 802', pump 35 bbl 9.7 ppg mud down 7" casing, up 10-3/4" casing. Rig up cementer. Test lines 250 low, 2500 high, okay. Mix and pump 88 sacks Neat cement down 2-7/8 tubing, up 10-3/4" casing. Displace with 2-1/2 bbl fresh water. Equalize 7" casing and 10-3/4" casing. Pull out with 28 joints. Rig up

MMI Wireline. Run in with Dyna jet perf. Shoot 4 holes at 150'. Pull out. Rig out MMI. Close in well.

11-04-92 Open well. Run, tag top of cement at 646'. Pull and lay down 23 joints. Run in with 5 joints 15'. Rig up cementer. Mix and pump 75 sacks from 0 to 150' in 7" and 10-3/4" casing. Cement tag at 646' and placement of cement from 150' to surface was witnessed by Peter Wygle, Division of Oil & Gas. Pull and lay down 5 joints. Rig out cementer. Clean BOPs and rig floor. Clean out tanks. Rig down, move on. Well is plugged and abandoned.

DIVISION OF OIL AND GAS
RECEIVED
NOV 13 1992
VENTURA, CALIFORNIA

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

4 T 22S

Operator Exxon Corporation **Well No.** "Newhall Land and Farming" #13
API No. 037 - 16424 **Sec.** 24, **T.** 4N, **R.** 17W, S.B. **B&M**
Field Castaic Junction, **County** Los Angeles. **On** [illegible],
Mr./Ms. [illegible], representative of the supervisor, was present from [illegible] to [illegible]
There were also present [illegible]

Casing record of well: [illegible]

Plugs: [illegible]

The operations were performed for the purpose of [illegible]

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: _____" shot/cut at _____', _____', _____' pulled fr. _____';
_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. **Witnessed by** _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
CLAY-GEL 72 #/cf	10-30-92	390	TBG @ 9761'	—	to 7150'	S. MULQUEEN
✓	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CLEAN OUT TO 10306'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
10/28	50 sx	TBG @ 10306'	—	REPORTED	10158		[illegible]	[illegible]
10/29	50 sx	TBG @ 10148'	—	"	10130		[illegible]	—
10/29	50 sx	TBG @ 10020' *	—	"	9761	#	[illegible]	S. MULQUEEN
11/3	101 cf	[illegible]	—	"	644	[illegible]	[illegible] 0730	FS
11/4	110 cf	[illegible]	150	OBS	PRW	8	[illegible] 1000	✓

*TESTED CASING TO 5000 PSI

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-182
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
July 20, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 13, A.P.I. No. 037-16484, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ------- area, 10-A pool, Los Angeles County, dated 6/29/92, received 7/2/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,492'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10,010' & 671'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:tkc

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	~	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land and Farming - Well No. 13 (Well designation), API No. 04-037-16484

Sec. 24, T. 4N, R. 17W, SB B. & M., Castaic Junction Field, Los Angeles County.

commencing work on about 3rd Q, 19 92.

The present condition of the well is:

1. Total depth 12,000' original depth (prior to plug back)

2. Complete casing record, including plugs and perforations

See Attached Detail

3. Last produced 12/85 19 BOPD 211 BWPD 7 MCF/D
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

OR

4. Last injected -- -- -- --
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional Data for dry hole (show depths)

5. Oil or gas shows: N/A

6. Stratigraphic markers: N/A

7. Formation and age at total depth: N/A

8. Base of fresh water sands: 776'

The proposed work is as follows:

See Attached Detail

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 225 W. Hillcrest Drive
(Street)

Thousand Oaks, CA 91360
(City) (State) (Zip)

Telephone Number 805-494-2000

Exxon Company, USA
(Name of Operator)

By R.W. Romere
(Name-Printed)

R W Romere 6-29-92
(Name-Signature) (Date)

Type of Organization Corporation

Forms\Abandon.DOG

CASTAIC JUNCTION
NEWHALL LAND & FARMING #13

ATTACHMENT FOR DOG NOTICE

Total Depth: 12,000' (well drilled & initially completed open hole - 4/54)

Casing Record:

10-3/4", 40.5 ppf, @ 786' (cemented to surface with 450 sks).

7", 23#, 26#, 29# @ 10,165' (cemented with 175 sks (380 cf), estimated TOC @ ±9515').

4", 11.34 ppf, J-55 liner from 10,121' - 10,492' (run 5/9/70)

7" Baker Model "R" Packer @ 10,090' (run 5/11/70 on 2-7/8" tubing).

Open Hole cement plugs (4/5/54)
11,700' - 11,900' with 75 sks
10,900' - 11,100' with 100 sks
10,500' - 10,700' with 100 sks

Base of Freshwater is at 776'.

Perforations
WSO at 10,110' (squeezed)
Liner Slots from 10,168' - 10,453'

Proposed Work

1) MIRU. ND tree and NU DOG Class II, 5k psi BOP's and test.
2) Release packer and POOH with the tubing, GLM's, and packer from 10,090'.
3) RIH with workstring and attempt to clean out well to TD at 10,492'. Spot a balanced cement plug from 10,010' - PBTD with 50 sks (14 bbls) of Class G + 40% Silica Flour. Tag TOC.
4) Circulate in 9.7 ppg mud from TOC to surface.
5) Shoot 20 holes in 7" casing from 771'-791'. Spot/squeeze cement plug from 676' - 795' with 75 sks of Class G + 2% $CaCl_2$.
6) Shoot 4 holes in 7" casing at ±100'. Attempt to establish circulation up the 7" x 10-3/4" annulus. Spot/squeeze cement plug from 100' to surface with 60 sks of Class G + 3% $CaCl_2$.
7) Cut & cap casing 5' below surface level. Clean location, remove flowlines. RDMO.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
February 16, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 14, A.P.I. No. 037-16485
Section 24, T. 4N, R. 17W, SB B.&M., Castaic Junction field, Los Angeles County, dated June 13, 1992, received June 17, 1992, has been examined in conjunction with operations witnessed and records filed in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
State Oil and Gas Supervisor
By Patrick J. Kinnear
Patrick J. Kinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR Exxon Corp.
WELL NO. Dexter Landing Fed Com 14
MAP

INTENTION	N.O.					
NOTICE DATED	6-12-92					
P-REPORT NUMBER	203-171					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL	J					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE												
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
GBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	FMN 9/6/93	OK				
DRILL CARD						
RECORD'S COMPLETE	FMN 9/13/93					

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD
OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

REMARKS:

SP T293462

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator Exxon Corp. **Well No.** "Newhall Land & Farming Co" [illegible]
API No. 037-16485 **Sec.** 24 , **T.** 4N , **R.** 17W , SB **B&M**
Field Castaic Jct , **County** Los Angeles . **On** [illegible] 22, 1993 ,
Mr./Ms. P. Wygle , **representative of the supervisor, was present from** 0800 **to** 1000.
There were also present D. Morris, operator's rep.

Casing record of well: 10 3/4" cem. 770'; 7" cem. 12164', [illegible] 120', 355-375', Holes @ 4298 & 8682' [illegible]. [illegible] 10,095-12,080', T.D. 23[illegible]', [illegible] 12164-12117, B.P. @ 11911 w/ 50' cmt on top. B.P. [illegible] [illegible]436' [illegible] 10765-[illegible], [illegible]-4085', [illegible], [illegible] - surface.

The operations were performed for the purpose of abandonment

[X] The plugging/~~cementing~~ operations as witnessed and reported are approved.

[ ] The location and hardness of the cement plug @ ________' is approved.

Hole size: ____" fr. ____' to ____', ____" to ____' & ____" to ____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: 7" shot/cut at 355-375', 120'-121', ____' pulled fr. ____';
____" shot/cut at ____', ____', ____' pulled fr. ____'.

Junk (in hole):

Hole fluid (bailed to) at ____'. **Witnessed by** ____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
10.1 [illegible]	6-15-93	146	tbg 8358	–	to 4400	PRW
10.3 ✓	[illegible]	157	✓ [illegible]	–	to surf	[illegible]

CO 10,207

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
6-14	238 cf	tbg 10,207	–	rptd	8358	8 K [illegible]	6-15-93 0730	PRW
6-17	83 cf	✓ 4509	~	✓	4087	wt of tbg	6-18-93 0800	PRW
6-21	87 ft³	EOT @ 775'	-	rptd.	532'	wt of tbg	6-22-93 0730	PRW
6/22	60 sx	EOT @ 122'	-	PRW	Surface	–	6/22/93 0900	PRW

Surface inspection - OK - FMN 7/6/93

OGD10 (10/90/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No.T293-162

REPORT ON OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
August 3, 1993

Your operations at well "Newhall Land & Farming Co" 14, API No. 037-16485, Sec. 24, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 6-22-93. P. Wygle, representative of the supervisor, was present from 0800 to 1000. There were also present D. Morris, Operator's Representative.

Present condition of well: 10 3/4" cem 770'; 7" cem 12164', perfs 120', 755'-775', holes @ 4298' & 8682" cem off. Perf 10050' (WSO). Perfs @ int 10095'-12080'. TD 12304'. Plugged w/cem 12164'-12117', BP @ 11911' w/80' cmt on top, BP @ 11430', cmt plug 10207'-8359', 4509'-4087', 775'-532', 122'-surface.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

PK:PW:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

0G109

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Corp. Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. 14, Sec. 24, T 4N, R 17W, S.B. B. & M.
A.P.I. No. 037-16485 Name Stephen Johnson (Person submitting report) Title Regulatory Spec. (President, Secretary or Agent)
Date June 24, 19 93

Signature D. Johnson 6/25

Environmental & Regulatory Affairs, P.O. Box 1600, Midland, TX 79702 915/688-7875
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, ridetracked junk, bailing tests and initial production data.

Date

06/01/93 Move rig from Newhall Land & Farming Co 8. RU. Bleed well. RU wireline & set tbg plug @ 158'. Rig out wireline. Unbolt rusted wellhead bolts & remove tree. Secure well & unload BOP equip. Tbg press 20 psi, csg press 0 psi.

06/02/93 Open well (0 tbg & csg press). Install & function test Class III BOP. RU working floor & rig to pull tbg. RU wireline & retrieve tbg plug @ 158'. Rig out wireline. Pull & measure tbg until EOT w/60 stds in rack. Secure well & SD till a.m.

06/03/93 Open well (0 tbg & csg press). Pull & measure all tbg. Made up 5.875 full opening bit & ran to 1200'. RU pump manifold & circ system. Secure well. Ready to start circ & mud conditioning in a.m.

06/04/93 Open well (0 tbg & csg press). W/bit @ 1200' circ & cond old mud. Well took 34 bbls to fill - 848' FL. Ran bit to 2400' - circ & cond mud. Ran bit to 3600' - circ & cond mud. Ran bit to 4969' - circ & cond mud. Close well in.

06/05/93
through
06/06/93 No well work.

06/07/93 Open well (0 tbg & csg press). Broke circ. Ran bit from 4969' to 6200'. Attempt to reverse circ - tbg plugged. Continued circ, circ btms up. Ran bit

to 7400', circ btms up. Ran bit to 8600' - circ btms up. Ran bit to 9500' circ. Secure well.

06/08/93 Open well (0 tbg & csg press). W/bit @ 9600' circ btms up. Ran bit to 10,100'. Tight csg. Changed well to 3778 bbls FW. RU return tank. Pulled 90 stds. Secure well.

06/09/93 Open well (0 tbg & csg press). Continue pulling tbg. Remove bit & hauled 22jts 1.25 tbg to location. Make up 1.25 tbg run into 10,104'. Clean out to 10,207'. Could not go further. Called DOG & received verbal approval per Peter Wygle of DOG to plug back from clean out depth of 10,207'. Pulled above perfs. Secure well.

06/10/93 Open well (0 tbg & csg press). Ran tbg tail to 10,300'. Back scuttled btms up. RU Halliburton & test lines to 4500 psi. Mixed & pumped 106 sxs cmt blended w/40% silica flour (SSA-1) + .78% CFR-3 + .5% HR-7. Yield = 1.62, wt 15.5 = 30.6 bbls slurry. Displace w/54.4 bbls wtr. Pulled to 8600'. Reversed twice around. Secure well. WOC overnight.

06/11/93 Open well (tbg & csg press 0). RIH w/tbg & tag TOC @ 9402'. RU Halliburton. Mix & pump 100 sxs cmt mixed w/40% silica flour (SSA-1) + .75% CFR-3 + .5% HR-7. Displace w/lease wtr. Pulled 20 stands. Reversed twice around. Shut well in.

06/12/93
through
06/13/93 No well work.

06/14/93 Open well (tbg & csg press 0). RIH w/tbg & tag TOC @ 8626'. Hung tbg @ 8414'. RU Halliburton. Press test lines as per program. Broke circ. Mix & pump 32 sxs cmt mixed w/40% silica flour (SSA-1), + .75% CFR-3 + .5% HR-7. Displace w/48.5 bbls wtr. Rig out Halliburton. Pulled to 7999'. Reversed btms up twice around. Pull & LD 70 jts. RIH w/70 jts out of derrick. Tbg @ 7999', 385' above calc TOC @ 8384'. Secure well. WOC till a.m.

DIVISION OF OIL AND GAS
RECEIVED
JUL 2 1993
VENTURA, CALIFORNIA

06/15/93 Open well (0 tbg & csg press). RIH w/tbg & tag TOC @ 8358'. Witnessed & approved by Peter Wygle of DOG. Mud well up w/10.1 mud from 8258' to 4509'. Pull & LD 134 jts w/tbg hung @ 4509'. Secure well. Ready to cmt in a.m. Mud from 8358' to 4509', 10.116, 143 bbls 10:12 a.m. Mud up verbal by Pat of DOG. Plug OK @ 8258' by Peter Wygle of DOG.

06/16/93 Open well. Rig to cmt w/tbg tail @ 4509'. Clean location while waiting on Halliburton. Halliburton delayed. Secure well. SD till a.m.

06/17/93 Open well (0 tbg & csg press). RU Halliburton & test lines. W/tbg hung @ 4509' mix & pump 54 sxs cmt w/40% silica flour (SSA-1) + .75% CFR-3 + .5% HR-7. Displace w/27 bbls wtr. Pulled to 3709' & reversed twice around. Rig out cementers & secure well. WOC till a.m.

06/18/93 Open well (0 tbg & csg press). RIH & tag TOC @ 4087'. DOG witnessed & approved. Condition & pump 151 bbls 10.416 mud - witnessed & approved by DOG. Pull & LD all tbg. Secure well. Ready to perf & move up to top of job on Monday, a.m. Plug & mud witnessed by Peter Wygle of DOG.

06/19/93
through
06/20/93 No well work.

06/21/93 Open well (0 tbg & csg press). Press test csg to 500 psi for 10 mins - OK. RU perfs. Shot 20 holes in 7 from 755' to 775'. Rig out perfs. Ran 2.875 tbg to 775'. Circ to 10,146'. Mud dwn 7 up to surface in 10.75. Notify DOG for witness of cmt operations. Got verbal approval from Froiba Neese of DOG (805) 654-4761 to proceed w/operations. RU Halliburton. Mix 75 sxs Class G neat cmt w/9 bbls wtr for a total yield of 86.8 cf. Pumped dwn & displace w/4.5 bbls fluid. Rig out cementers. Pull tbg. RU perfs. Shot 4 holes from 120' to 121'. Secure well. WOC.

06/22/93 Open well (0 tbg & csg press). RIH w/tbg & tag plug @ 532'. Pull & LD excess tbg. W/tbg hung @ 122', broke circ. RU Halliburton. Mix & pump 60 sxs Class G neat cmt. Plug from 122' to surface. Rig out Halliburton & all equip. LD derrick & move out. Peter Wygle of DOG witnessed TOC @ 532', top of plug from 122' to surface & in 7 & 10.75 csg. Well is plugged & abandoned.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-171
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
June 23, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 14, A.P.I. No. 037-16485, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, -------- area, 10-A pool, Los Angeles County, dated 6/13/92, received 6/17/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,388'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 8582', 4198', & 655'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:tkc

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By _____
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	✓	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. "Newhall Land and Farming Co." No. 14 (Well designation), API No. 04-037-16485

Sec. 24, T. 4N, R. 17W, SB B. & M., Castaic Junction Field, Los Angeles County.

commencing work on about 3rd Q, 19 92.

The present condition of the well is:

1. Total depth 12,304'

2. Complete casing record, including plugs and perforations

See Attached Detail

3. Last produced -- -- -- --
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

OR

4. Last injected _____
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional Data for dry hole (show depths)

5. Oil or gas shows: N/A

6. Stratigraphic markers: N/A

7. Formation and age at total depth: N/A

8. Base of fresh water sands: 760'

The proposed work is as follows:

See Attached Detail

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 225 W. Hillcrest Drive (Street)

Thousand Oaks, CA 91360 (City) (State) (Zip)

Telephone Number 805-494-2000

Exxon Company, USA (Name of Operator)

By R. W. Ramirez (Name-Printed)

K W Kamisky 6-13-92 (Name-Signature) (Date)

Type of Organization Corporation

Forms\Abandon.DOG

CASTAIC JUNCTION
NEWHALL LAND & FARMING #14

ATTACHMENT FOR DOG NOTICE

Total Depth: 12304' (well drilled & initially completed - 11/52)

Casing Record:

10-3/4", 42.0 ppf, @ 770' (cemented to surface with 650 sks).
7", 23#, 26#, 29#, 32#, & 35# @ 12164' (cemented in two stages with 395 sks to ±9400').

Base of Freshwater is at 760'.

Hole in casing between 4298' and 4329' (sqz'd & tested to 2000 psi 11/11/70)
Hole in casing @ 8682' (squeezed & tested to 2000 psi 1/25/57)

Collapsed casing from 10105' - 10109'. Numerous swedging attempts (11/70) failed. Impression Block showed casing collapsed to about 4-1/2".

7" 32# Baker Model "D" Packer set at 10200' (will not be able to recover).
Milled/junked bridge plug @ 10,388' (pushed to bottom 11/7/52).
Fill/debris from perforating guns in casing f/ 10390' to 10430' (fill accumulated following perforating 1/53)
Bridge plug @ 11,430' (set 11/7/52).
Bridge plug @ 11,911' w/ 80' cmt plug above f/ 11,831'-11,911' (set 11/6/52).

Perforations
WSO at 10,050' (squeezed 10/28/52)
10,095' - 10,155' (open)
10,170' - 10,195' (open)
10,210' - 10,420' (open)
12,035' - ~~10,080~~ 12,080' (isolated 11/6/52 below bridge plug @ 11,991' and 80' cement plug from 11,831' - 11,911').

Proposed Work

1) MIRU. ND tree and NU DOG Class II, 5k psi BOP's and test.
2) POOH with tubing from 9496'.
3) RIH with tapered tubing string past collapsed casing at 10105'.
   a) If successful, continue RIH past packer @ 10200' and attempt to clean out well to 10388'. Spot a balanced cement plug from PBTD - 8582' with 300 sks (85 bbls) of Class G + 40% Silica Flour.
   b) If unsuccessful, RIH with tubing and cleanout as deep as possible. Plan to cement below casing damage and packer by squeezing. DOG will be contacted for cementing approval/instructions.
4) Tag & test TOC. Circulate in 9.7 ppg mud.
5) Spot balanced cement plug from 4198' - 4429' w/ 40 sks Class "G".
6) Shoot 20 holes in 7" casing from 755'-775'. Spot/squeeze cement plug from 660' - 775' with 65 sks of Class G + 2% $CaCl_2$.
7) Shoot 4 holes in 7" casing at 100'. Attempt to establish circulation up the 7" x 10-3/4" annulus. Spot/squeeze cement plug from 100' to surface with 60 sks of Class G + 3% $CaCl_2$.
8) Cut & cap casing 5' below surface level. Clean location, remove flowlines. RDMO.

STATE OF CALIFORNIA-RESOURCES AGENCY
GEORGE DEUKMEJIAN, *Governor*

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS
6401 TELEPHONE ROAD, SUITE 240
VENTURA, CALIFORNIA 93003-4458
(805) 654-4761

June 8, 1986

C. G. Lyons, Agent
EXXON CORPORATION
P.O. Box D.O.
Ventura, CA 93002

RE: ANNUAL INJECTION SURVEY
CASTAIC JUNCTION FIELD
SEE LIST ATTACHED

Dear Mr. Lyons:

A Condition of the Division of Oil and Gas "Report of Proposed Operations" for the wells listed on the attached sheet, is to conduct an annual injection survey to confirm injected fluid is confined to the approved zone.

As of this date, we have not received a copy of the annual injection survey or any correspondence regarding our letter notifying that the surveys are overdue. Therefore, approval to utilize these wells for injection purposes is rescinded. All lines to the wells shall be disconnected and the wells properly shut-in.

To reactivate these wells for injection purposes, it will be necessary to submit Form OG107 (Notice of Intention to Rework) for each well. Our approval permit will specify requirements to be fulfilled before injection can resume.

Sincerely,

Murray W. Dosch
District Deputy
MS:lr

EXXON Co. U.S.A

Castaic Junction Field

"Newhall Land & Farming"	14	24-4-17 (037-16485)
"Newhall Land & Farming"	22	
" "	25	
" "	36	
" "	39	
" "	44	
" "	52	
" "	53	
" "	69	
" "	73	
"Newhall Land & Farming 12"	2	

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
August 6, 1993

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 15, A.P.I. No. 037-16486, Section 24, T. 4N, R. 17W, SB B.&M., Castaic Junction field, Los Angeles County, dated October 29, 1992, received November 4, 1992, has been examined in conjunction with operations witnessed and records filed in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR
WELL NO.
MAP

037-16486

INTENTION	REWORK	ABANDON				
NOTICE DATED	9-19-85	10-29-92				
P-REPORT NUMBER	285-329	292-315				
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL	O	⊕				

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D
NOTICE	9-20-85		11-4-92								
HISTORY											
SUMMARY											
E-LOG											
MUD LOG											
DIPMETER											
DIRECTIONAL											
CORE/SWS											
CBL											

ENGINEERING CHECK

T-REPORTS		✓				
OPERATOR'S NAME		✓				
WELL NO.		✓				
LOC & ELEV		✓				
SIGNATURE		✓				
SURFACE INSP.						
DRILL CARD						

RECORD'S COMPLETE 9-7-93 FMN

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS:

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No.T293-089

REPORT ON OPERATIONS
CORRECTION

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
May 5, 1993

Your operations at well "Newhall Land & Farming Co." 15, API No. 037-16486, Sec. 24, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 4-27-93. Pete Wygle, representative of the supervisor, was present from 0700 to 1030. There were also present D. Morris, Operator's Representative.

Present condition of well: 10 3/4" cem 800'; 7" cem 11,910', cp 10,496', perf 10,140' WSO (sqz off), perf 10,976' WSO, perf & sqz 120'-121', perf 777'-797' (cem off), perf 11,061'-11,150' (cem off), perf 11,150'-11,350', perf & sqz @ ints 11,806'-11,890'. TD 13,180'. Junk: pkr @ 11,359' tbg 10,570'-10,940', pkr @ 10,940'. Plugged w/cem 12,230'-12,036', w/150sx of cem below ret @ 11,895', w/bp 10,560', w/cem 10,558'-9645', 800'-645' & 130'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

PK:PW:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

OG109

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co 15 Sec. 24, T 4N, R 17W S.B.B. & M.
A.P.I. No. 037-16486 Name Judy Bagwell (Person submitting report) Title Sr Staff Office (President, Secretary or Agent)
Date May 14, 19 93

Signature Judy Bagwell

Environmental & Regulatory Affairs, P. O. Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation detail, sidetracked junk, bailing tests and initial production data.

Date

04-12-93 Rig up, bleed down line to Baker tank. Rig up rotary hoses. Rig up slickline. RIH w/2.5" tubing plug. Set at 212'. POOH. Rig down slickline. Break wellhead bolts. Remove 12 top nuts, 4 studs, 8 bolts. Studs are rusted, cannot remove from wellhead.

04-13-93 Service rig. Cut wellhead stud w/air hacksaw and install new studs and bolts into wellhead.

04-14-93
through
04-15-93 No well work.

04-16-93 Service rig and equipment. Check casing, no pressure. Open casing to Baker tank. Check cellar for possible gas and H_2S, ok. ND prod tree. NU Class II BOP and BOE and punch test, ok. Rig up working floor and tubing equipment. Rig up Lee Archer Slickline. RIH, retrieve tubing at 212'. POOH. Rig out slickline. Close in well.

04-17-93
through
04-18-93 No well work.

04-19-93 Service rig and equipment. Check well, no pressure. Open well. Rig to change over to lease water. Pump 400 bbls LW down casing. Recovered 350

bbls oil and water. Unland tubing, work seal assembly loose at 85000#. Measure out of hole with 280 joints. Close in well w/1200' kill string in hole.

04-20-93 Service rig and equipment. Continue measuring out w/2.375 tubing. No pressure on well. Lay down MM mandrels and seal assembly. Measure and pick up 22 joints (655') 1.25 macaroni tubing with/.75" shoe. RIH with 320 joints 2.875 tubing. Tag BP at 10,558'. Reverse circ clean. Rig up Halliburton. Test lines at 250# and 4000#, ok. With tubing tail at 10,558, mix and pump 97 cubic feet neat cement with .5% HR-7 plus .75% CFR3 and 40% silica flour. Displace with 58 bbl FW, maximum pressure 2650#. Rig out Halliburton. Pull out with 10 stands (620'). Move top of packer 70'. Reverse out, took 2 bbl to fill well. Pull 5 stands 310 ft. to 9628'. Close in well.

04-21-93 Check well, no pressure. Open well. RIH, tag TOC at 10,109. Set 3000 comp - ok. Pull up, space out tubing to 10,105'. Reverse circ. Rig up Halliburton. Test lines - 250# low, 4000# high, ok. Mix and pump 86 cubic feet (53 sx) neat cement with 40% silica flour + .5% HR7 + .75% CFR-3. Displace with 56 bbl FW. Rig out Halliburton. Pull 10 stands (600'). Reverse circ. Pull 5 stands (300'). Close in well.

04-22-93 Service rig and equipment. Check well, no pressure. RIH, tag TOC at 9645'. Circ 350 bbl 9.7 ppg mud down tubing at 1000#. Mud very thick, would not flow through 4" hose. Use cellar pump to ship mud to rig pump. POOH, laying down 2.875 N-80 tubing on trailers. Lay down 120 joints. Close in well. Note: Casing pressure test, tag at 9645' and mudding of well from 9645' to surface with 72 pcf (400 bbls) were witnessed by Fariba Neese, Division of Oil and Gas.

04-23-93 Check well, no pressure. Service rig and equipment. Open well, continue POOH with 2.875 N-80 tubing. Pull 170 joints, laying down on trailers. POOH and lay down 1.25 tubing, 22 joints, 650'. RIH with 13 stands 2.875 N-80 tubing from derrick as kill string (800'). Close in well.

04-24-93
through

04-25-93 No well work.

04-26-93 Service rig and equipment. Check well, no pressure. Check 10.75 annulus (no pressure). Open well. POOH with 800' kill string. Fill well with 40 bbl 9.7 ppg mud. Rig up MMI Perforators. Rig up lubricator. RIH with 20' link jet guns 80 shots 4 s.p.f. Locate collar at 775'. Shoot holes from 777' to 797'. POOH. Rig out MMI. Circulate 50 bbl 9.7 ppg mud down 7" casing, up 10.75 csg to tank. RIH with 800' 2.875 N-80 tubing. Rig up Halliburton. Test line 250# and 2000#, ok. Mix and pump 102 cubic feet (86 sx) class G cement with 2% calcium chloride at 140 psi maximum. Displace with 3 bbl fresh water. Rig out Halliburton. POOH with 13 stands 2.875 tubing. Rig up MMI. RIH with link jet shot. Locate collar at 113'. Shoot 4 holes at 120-121. Rig out MMI. Close in well.

04-27-93 Service rig and equipment. Open well, no pressure. RIH. Tag cement plug at 642', ok. POOH, laying down 22 joints 2.875 tubing. Stand back 2 stands. RIH to 124'. Rig up Halliburton. Mix and pump 96 sx (110 cubic feet) class G cement with 2% calcium chloride. Cement 7 & 10.75 casing from 124 - surface. Peter Wyghe, Division of Oil and Gas, witnessed tag at 642' and placement of surface plug. Lay down 4 joints 2.875 tubing. Rig out working floor and tubing equipment. Rig down, move out. Well is plugged and abandoned.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No.T293-089

REPORT ON OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
May 5, 1993

Your operations at well "Newhall Land & Farming Co." 15, API No. 037-16486, Sec. 24, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 4-28-93. Pete Wygle, representative of the supervisor, was present from 0700 to 1030. There were also present D. Morris, Operator's Representative.

Present condition of well: 10 3/4" cem 800'; 7" cem 11,910', cp 10,496', per 10,140' WSO (sqz off), perf 10,976' WSO, perf & sqz 120'-121', perf 777'-797' (cem off), perf 11,061'-11,150' (cem off), perf 11,150'-11,350', perf & sqz @ ints 11,806'-11,890'. TD 13,180'. Junk: pkr @ 11,359' tbg 10,570'-10,940', pkr @ 10,940'. Plugged w/cem 12,230'-12,036', w/150sx of cem below ret @ 11,895', w/bp 10,560', w/cem 10,558'-9645', 800'-645' & 130'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

PK:PW:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

OG109

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

T 283-089

Operator Exxon Corporation **Well No.** Newhall Land & Farming Co #15
API No. 037-16488 **Sec.** 27, **T.** 4N, **R.** 17W, S.B. **B&M**
Field Pico Canyon, **County** Los Angeles. **On** 6-28-90,
Mr./Ms. R. Wycoff, **representative of the supervisor, was present from** 0715 **to** [illegible]
There were also present [illegible]

CASING RECRD OF WELL: 10-3/4" cem 800 ; 7" cem 11,910', cp 10,495', perf 10,140' WSO (soz off), perf 10,976' WSO, perf & soz 120'-121', perf 777'-797' (cem off), perf 11,081'-11,150' (cem off), perf 11,150'-11,350', perf & soz & ints 11,806'-11,890', TD 13,150'. Junk: bkn @11,359', tag 10,570'-10,940', bkn @ 10,940', Plugged w/cem 12,230'-12,036', w/150 sx of cem below ret @ 11,895', w/sc 10,560', w/cem 10,558'-9645', 800'-645' & 100'-5'.

The operations were performed for the purpose of [illegible]

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: _____" shot/cut at _____', _____', _____' pulled fr. _____';
_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. **Witnessed by** _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.2	[illegible]	[illegible]	[illegible]	—	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] to 10558' w/20 sx

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
4/21	97 ft³	EOT @ 10556	—	rpt	10109	—	—	rpt
4/21	86 ft³	EOT @ 10109'	-	rpt	9845'	5K	4/22/90 0900	Field
4/27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4/28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

OGD10 (10/90/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No. P292-315
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS
CORRECTION

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
April 30, 1993

Your proposal to abandon well "Newhall Land & Farming Co" 15, A.P.I. No. 037-16486, Section 24, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, --- area, 10-A pool, Los Angeles County, dated 10-29-92, received 11-04-92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,560'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.

THIS DIVISION SHALL BE NOTIFIED:

a. To witness the location and hardness of the cement plug at 10,040' and 670'.
b. To witness the mudding of the well.
c. To witness the placing of the surface plug or to verify its location.
d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
PK:SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

STEVE — 4-28-93

THESE WERE GIVEN
TO ME FOR "P" REPORT

REWRITE — PLEASE ADVISE...

Under
#6. A. should be
"TO witness the location and hardness NORM
of the cement plugs at .....

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-315
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 6, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 15, A.P.I. No. 037-16486, Section 24, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, --- area, 10-A pool, Los Angeles County, dated 10-29-92, received 11-04-92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,560'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To inspect the ~~installed~~ blowout prevention equipment prior to drilling below 10,040' & 670'.
   b. To witness the ~~mudding~~ of the well.
   c. To witness the placing of the surface plug or to verify its location.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

DIVISION OF OIL AND GAS
RECEIVED
NOV 0 4 1992
VENTURA, CALIFORNIA

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	11-4-92 BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land & Farming Co 15 (Well designation), API No. 037-16486

Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 10-29, 19 92.

The present condition of the well is:

1. Total depth 13,180'

2. Complete casing record, including plugs and perforations
   10 3/4" 42# casing 0'-800'
   7" 26/35# casing 0'-11910'
   perfs: 10,300'-10190'
   Plug back depth: 13,180'-10,560'

3. Last produced 12/85 (Date) 13 (Oil, B/D) 93 (Water, B/D) (Gas, Mcf/D)

   OR

4. Last injected _____ (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional Data for dry hole (show depths)

5. Uppermost productive zone:

   Zone 10-A: 10,190'-10,300'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 780'

The proposed work is as follows:

1. MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out 7" casing to top of BHPB @ 10,560'
3. Place class "G" cement plug from 10,560' to 9900' to cover perfs from 10,300'-10,190'. DOG to witness.
4. Shoot 4 holes per foot from 790-770 and place class "G" cement plug from 790' to 690' in the 7" csg and the 7"x 10 3/4" annulus to cover the base of fresh water. DOG to witness.
5. Shoot 4 holes @ 100'. Circulate cement plug from 100' to surface getting returns in 7" X 10 3/4" annulus. DOG and to witness setting of plug.
7. Cut off casing @ 5' and weld plate with well identifier.
8. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive P.O. Box 1600 (Street)
Midland, (City) TX (State) 79702 (Zip)
Telephone Number 915-688-7888

Exxon Corp. (Name of Operator)
By Judy M. Bagwell (Name-Printed)
Judy Bagwell 10-29-92 (Name-Signature) (Date)
Type of Organization Corporation

Forms\Abandon.DOG

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator EXXON COMPANY, U.S.A. Field Castaic Junction County Los Angeles
Well N.L.&F. 15, Sec. 24, T 4N, R 17W, S.B. B. & M.
A.P.I. No. 037-16486 Name M. T. Harris (Person submitting report) Title Revenue/EXPRESS (President, Secretary or Agent)
Date December 17, 1986

Coordinator
Signature M. T. Harris

P. O. Box 5025, Thousand Oaks, California 91359 (Address) (805) 494-2083 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
9-25-85	MIRU McCullough. RIH with 20 ft. Nu-line gun 4SPF 0°phase. RIH. Tag fluid at 2700 ft. Corrected depth. Tag fill at 10554. Perfed from 10390-10370. Slight drag pulling through x-nipple. 2nd gun perfed from 10350-10370. Fluid at 2700. 3rd gun missed, rerun. Perfed from 10330-10350. Fluid at 2700. 4th gun perfed from 10320-10330. Fluid at 2600. RDMO.
9-26-85	No well work.
9-27 to 12-13-85	Well on test.
12-14-85	Final report on well - Successful. Test data 12.8BOPD 98.6BFPD

DIVISION OF OIL AND GAS
RECEIVED
JAN 5 1987
VENTURA, CALIFORNIA

OG103 (5/85/DWRR/SM)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

October 6, 1992

Your report of plugging and abandonment of well Newhall Land & Farming" 16 _____, A.P.I. No. 037-16487 _____, Section 24, T. 4N, R. 17W, SB B.&M., Castaic Junction _____ field, Los Angeles County, dated 6-05-92 _____, received 6-09-92 _____, has been examined in conjunction with operations witnessed and records filed in this office. We have determined that all of the requirements of this Division have been fulfilled.

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear, Deputy Supervisor

PK:nr

cc: Conservation Committee
Update

OG159 (6/92)

OPERATOR Exxon Corp.
WELL NO. "Deerhaven Farms Co" 16
MAP

INTENTION	A.A.					
NOTICE DATED	6-5-92					
P-REPORT NUMBER						
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE												
HISTORY												
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
BL												

ENGINEERING CHECK

-REPORTS						
PERATOR'S NAME						
LL NO.						
C & ELEV						
GNATURE						
RFACE INSP.						
ILL CARD						

CORD'S COMPLETE SAM 9-28-92

FINAL LETTER OK ✓
MAILED
RELEASED BOND

JECTION BOOK
LE WELL LIST
RFACE INSP. CARD

REMARKS:

TO RELEASE FROM CONFIDENTIAL
NDONED-REMOVED FROM E.D.P.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-183

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
September 18, 1992

Your operations at well "Newhall Land & Farming Co." 16, API No. 037-16487 Sec. 24, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 7-29-92. Pete Wygle, representative the supervisor, was present from 0900 to 1000. There were al present Ken Kennedy

Present condition of well: 10 3/4" cem 797'; 7" cem 10,570', perf 99' 780'-800', hole @ 1476', perf 10,513' WSO. TD 10,790'. Plugged w/c 10,790'-10,722', 10,664'-10,381', 1502'-1271', 806'-684' & 99'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

PK:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

ORIGINAL

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
SEP 3 1992
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator EXXON COMPANY, U. S. A. Field CASTAIC County VENTURA
Well NL&F 16, Sec. 24, T 4N, R 17W SB B. & M.
A.P.I. No. 037-16487 Name James R. Ezell (Person submitting report) Title Coordinator/Reg (President, Secretary or Agent)
Date August 31, 1992

Signature James R. Ezell

P. O. BOX 5025, THOUSAND OAKS, CA 91359 (Address) 805/494-2000 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

7/13/92 Moved in and rigged up. Rigged up pump and tank. Pumped 20 bbls of lease water down casing. Removed production T. Nippled up BOP and tested, OK. Rigged up work floor and tubing equipment. Rigged up Coast wireline (slickline). RIH with knock out bar and opened plug at 405'. POOH. RIH with 2-1/4" retrieving tool and retrieved plug. Rigged out Coast. Rigged up pump. Reverse circulate 400 bbls of water down casing to Baker tank. recovered 20 bbls of oil. Worked stuck tubing. Pulled to 85,000# maximum, no movement. Turn and worked tubing. Closed in well.

7/14/92 Opened well, casing pressure at 40 psi and tubing pressure at 58 psi. Worked stuck tubing. Rigged up Coast wireline. RIH with 2-1/4" Otis pulling tool to 10,470'. POOH. RIH with 1-1/2" sample bailer to 10,470'. POOH and found shale and sand in bailer. Rigged out Coast. Circulate well and recovered 60 bbls of oil. worked tubing. Rigged up Dia-log. RIH with 1-1/2" free point, tubing free to 10,428'. POOH. RIH with 1-15/16" chemical cutter and cut tubing at 10,390'. POOH. Rigged out Dia-log. POOH and laid down 80 joints of tubing. Closed in well.

7/15/92 Opened well, 0 psi on casing and tubing. Continued POOH and laid down production string (250 jts 2-7/8"). Picked up and RIH with four 4-3/4" drill collars, jars and bumper sub with 5-3/4" overshot with 2-7/8" grapple. RIH with 10 joints of 2-3/8" tubing. Closed in well.

7/16/92 Opened well, no pressure. Continued measuring and RIH with 2-7/8" tubing (300 jts). Closed in well.

ORIGINAL

7/17/92 Opened well, no pressure. Continued measuring and RIH with 21 joints of 2-7/8" tubing. Tagged fill at 10,393'. Reverse circulate from 10,393' to 10, 402' (top of fish). Latched onto fish and reverse circulate well clean. Jarred on fish, pulled loose jarring at 90,000#. POOH and laid down 160 joints of tubing. Closed in well.

7/18/92
through
7/19/92 No well work.

7/20/92 opened well, no pressure. Continued POOH and laid down fish and fishing tools. Hauled in 20 joints of 1-1/4" drill rod (598'). RIH with tubing to 4030'. Closed in well.

7/21/92 Opened well, no pressure. Continued RIH with tubing and clean out string. Tagged fill at 10,596'. Reverse circulate from 10,596' to 10,676'. tubing plugging up. Pulled up 30' and lost hole. Circulate to 10,661', tubing plugging. Pulled up to 10,644' and reverse circulate well clean. Pulled up to 10,024'. Closed in well.

7/22/92 Opened well, no pressure. RIH with tubing to 10,644'. Reverse circulate clean. Rigged up Halliburton and tested lines at 500 psi low and 5000 psi high, OK. Mixed and pumped 62 sacks of Class G cement with 40% silica flour, 1% foam retarder and 2% retarder. Maximum pressure at 600 psi. Displaced with 59 bbls of lease water. Rigged out Halliburton. POOH with 434' (7 jts) of tubing, first 60' hanging up due to hole conditions. Reverse circulate. Pulled up 600' (tubing tail at 10,210'). Closed in well.

7/23/92 Opened well, well on vacuum. RIH with tubing and tagged cement at 10,381'. Tag witnessed and approved by S. Mulqueen of Division of Oil and Gas; also approved mud operation. Pressure casing up to 500 psi, not holding. Breakdown at 1 BPM at 800 psi. POOH and laid down tubing. RIH with Robbins TST compression packer (7", 23#). Set packer at 2444'. Tested down tubing at 500 psi for five minutes, good. Tested casing from surface to 2444', casing leaking. Tested casing out of hole, located hole in casing at 1476'. POOH and laid down packer. RIH with tubing open ended. Closed in well.

ORIGINAL

7/24/92 Opened well, well on vacuum. RIH with tubing to 10,381'. Circulate 350 bbls of 9.7 ppg mud to 1476'. Displaced with 8-1/2 bbls of lease water. POOH and laid down 120 joints of tubing. Closed in well.

7/25/92
through
7/26/92 No well work.

7/27/92 Opened well, no pressure. Continued laying down tubing (173 jts). Circulate well. Tubing tail hanging at 1502'. Rigged up Halliburton and tested lines at 300 psi low and 3000 psi high. Mixed and pumped 39 sacks of Class G cement with 2% $CaCl_2$. Displaced with 8 bbls of lease water. Pulled up 300'. Reverse circulate clean. Pulled up 300'. Closed in well.

7/28/92 Opened well, no pressure. RIH with tubing and tagged cement at 1271'. Tag witnessed and approved by S. Mulqueen of Division of Oil and Gas. Pressure casing from 0' to 1271' at 500 psi for five minutes, OK. Changed well over with 50 bbls of 9.7 ppg mud. Mud operation and casing test witnessed and approved by S. Mulqueen of Division of Oil and Gas. POOH and laid down 24 joints of tubing. Opened 10-3/4" annulus to pit, no pressure. Rigged up Dia-log with 2-1/2" pack off. RIH with 2-1/8" dyna strip jet perf (4 HPF) 20' strip. Locate casing collars at 771'. Shot holes from 780' to 800'. Blow on 10-3/4" casing. POOH and rigged out Dia-log. RIH with 27 joints of tubing to 806'. Rigged up Halliburton. Circulate 10-3/4" casing. Mixed and pumped 88 sacks of Class G neat cement down 2-1/2" tubing and up 10-3/4" casing. Displaced with 4-1/2 bbls of lease water. Opened casings. POOH with tubing. Rigged up Dia-log. RIH to 100' with dyna strip 4 HPF and shot holes from 99' to 100'. POOH. Rigged out Dia-log. Closed in well.

7/29/92 Opened well. RIH with tubing and tagged top of cement at 684'. Tag witnessed and approved by P. Wygle of Division of Oil and Gas. POOH laid down tubing. Rigged up Halliburton and tested lines. Mixed and pumped 45 sacks of Class G neat cement in 7" and 10-3/4" casings to surface. POOH and laid down 3 joints of tubing. Rigged out Halliburton. Rigged out work floor. Nippled down BOP. Cleaned location. Rigged down and moved off. NOTE: Surface plug witnessed and approved by P. Wygle of Division of Oil and Gas.

T183

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator EXXON CORPORATION Well No. "Newhall Land & Farming" 16
API No. 037-16487 Sec. 24, T. 04 N, R. 17W, SB B&M
Field CASTAIC JUNCTION, County LOS ANGELES. On 7-29-92,
Mr./Ms. P. [illegible], representative of the supervisor, was present from 0900 to 1000.
There were also present KEN KENNEDY

Casing record of well: 10 3/4" cem 795'; 7" cem 10,570', perf 95' & 790-800, hole @ 1476', [illegible] TD 10,727', [illegible] 10,790-10,727', [illegible] 1271', [illegible]

The operations were performed for the purpose of ABANDONMENT

☑ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ______' is approved.

Hole size: ____" fr. ____' to ____', ____" to ____' & ____" to ____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

HOLE IN CASING @ 1476'

Casing/~~tubing recovered~~: 7" shot/~~cut~~ at 780 (800)', ____', ____' pulled fr. ____';
7" shot/cut at 900 ([illegible])', ____', ____' pulled fr. ____'.
Junk (in hole): MODEL "D" BAKER PACKER @ 10506', HOLE @ 1476' IN 7" C[illegible]
Hole fluid (bailed to) at ____'. Witnessed by ____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
CLAY GEL 9.6 #/g	7-23-92	350	TBG @ 10381'	—	1200'±	S. MULQUEEN
"	7-28-92	55	TBG @ [illegible]71'	—	SURFACE	"

CLEAN OUT TO 10676' (9 7/8" OPEN HOLE TD 10727')

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
7/22	99 cf	TBG @ 10644'	PM	REPORTED	10381'	10K #	7/23 0930	S. MULQUEEN
7/27	44 cf	TBG @ 1502'	—	"	1271'	ALL TBG WEIGHT *	7/28 0800	"
7/28	[illegible] cf	✓ 926'	—	✓	[illegible]	[illegible]	[illegible] ✓	PRW
7/29	40 cf	✓ 95	[illegible]	PRW	5	Visual	—	—

* WITNESSE CASING PRESSURE TEST AFTER TAG @ 1271' TEST TO 550 PSI
HELD OK, NO HOLES.

OGD10 (10/90/GSR1/5M)

CLEANHOLL FLUIDS, INC.

WORKOVER, COMPLETION & DRILLING FLUIDS

POST OFFICE BOX 3657
VENTURA, CALIFORNIA 93006
(805) 648-2273

FL[illegible] REPORT | REPORT No. ____

DATE ____ 19__ | DEPTH ____

API WELL NO.	STATE	COUNTY	WELL	S/T

OPERATOR	CONTRACTOR	RIG NO.
ADDRESS	ADDRESS	SPUD DATE
REPORT FOR MR.	REPORT FOR MR.	SECTION TOWNSHIP RANG

WELL NAME AND NO.	FIELD OR BLOCK NO.	COUNTY, PARISH OR OFFSHORE AREA	STATE OR PROVINCE

OPERATION		CASING	FLUID VOLUME (BBL)	CIRCULATION DATA	
PRESENT ACTIVITY		SURFACE IN. at FT.	HOLE PITS	PUMP SIZE X IN.	ANNULAR VEL. (FT./MIN.) OPPOSITE DP
BIT SIZE (IN.)	NO.	INTERMEDIATE IN. at FT.	TOTAL CIRCULATING VOLUME	PUMP MAKE MODEL	OPPOSITE COLLAR
DRILL PIPE SIZE	TYPE	PRODUCTION OR LINER IN. at FT.	IN STORAGE	BBL/STROKE STROKE/MIN	CIRCULATING PRESSURE PSI
DRILL COLLAR SIZE	LENGTH	FLUID TYPE		BBL./MIN.	BOTTOMS UP (MIN.) SYSTEM TOTAL (MIN.)

Sample from ☐ Flowline ☐ Pit
Flowline Temperature °F

FLUID PROPERTIES			
Time Sample Taken			
Depth (ft)			
Weight ☐ (ppg) ☐ (lb/cu ft)			
Mud Gradient (psi/ft)			
Funnel Viscosity (sec/qt) API at ____ °F			
Plastic Viscosity cp at ____ °F			
Yield Point (lb/100 sq ft)			
Gel Strength (lb/100 sq ft) 10 sec/10 min	/	/	/
pH ☐ Strip ☐ Meter			
Filtrate API (ml/30 min) Spurt Loss (1 min)	/	/	/
API HP-HT Filtrate (ml/30 min) ____ °F			
Cake Thickness 32nd in API ☐ HP-HT ☐			
Alkalinity, Mud (P_m)			
Alkalinity, Filtrate (P_f/M_f)	/	/	/
Salt ☐ ppm ☐ gpg Chloride ☐ ppm ☐ gpg			
Calcium ☐ ppm ☐ Gyp (ppb)			
Sand Content (% by Vol)			
Solids Content (% by Vol) - Centrifuge			
Oil Content (% by Vol)			
Water Content (% by Vol)			
Methylene Blue Capacity (me/ml mud)			

EQUIPMENT

	SIZE	HRS/TOUR				SIZE	HRS/TOUR		
Centrifuge					Desilter				
Degasser					Shaker				
Desander					Other				

DAILY COST | CUMULATIVE COST

FLUID PROPERTIES SPECIFICATIONS

WEIGHT	VISCOSITY	FILTRATE

BY AUTHORITY ☐ OPERATOR'S WRITTEN ☐ DRILLING CONTR OR ☐ OPERATOR'S REPRESENTATIVE ☐ OTHER

MATERIALS RECOMMENDED

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY CLEANHOLE FLUIDS CO. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY.

REPRESENTATIVE	HOME ADDRESS	TELEPHONE
MOBILE UNIT	WAREHOUSE LOCATION	TELEPHONE

EXXON COMPANY, U.S.A.
POST OFFICE BOX 5025 • THOUSAND OAKS, CALIFORNIA 91359-5025 • (805) 494-2000

PRODUCTION DEPARTMENT
WESTERN DIVISION

DIV. OF OIL AND GAS
RECEIVED
JUL 1 1992
VENTURA, CALIFORNIA

June 30, 1992

Steve Fields
Engineer, District 2
California Department of Conservation
Division of Oil and Gas
1000 S. Hill Road, Suite 116
Ventura, CA 93003

Dear Steve,

We have submitted 9 Notices of Intention to Abandon Well which need correcting.

In the process of actually abandoning the wells at Castaic, we have learned that cementing to surface from the base of fresh water doesn't work well as a standard procedure. We therefore propose, for permitting purposes, that we revert to the conventional 100' plug above the BOFW, mudding to 100' below surface, and then cementing from 100' to surface. (All of the cement plugs are both inside and outside the production casing).

The wells that will be affected for Castaic Junction Field are: Newhall Corporation #1, NL&F #16, 20, 22, 25, 28, 32, 38, and 72.

If you have any questions, you may reach me at (805) 494-2139. Thank you for your cooperation.

Sincerely,

Jeffrey L. Denney
Project Engineer

JLD\dy
MrFields.Ltr

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-146
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 10

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
June 17, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 16, A.P.I. No. 037-16487, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, -------- area, 10-B pool, Los Angeles County, dated 6/5/92, received 6/9/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 5M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,727'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10,413' & 690'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:tkc

7/23/92 Dennyt plug and tag holes?

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By for Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

12/6/00 10-B

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	—	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #16 (Well designation), API No. 037 - 16487

Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19 ___.

The present condition of the well is:

1. Total depth 10,790'

2. Complete casing record, including plugs and perforations
   10-3/4" 40.5# conductor 0' - 797'
   7", 23#, 26#, & 29# casing 0' - 10,570'; WSO 4 spf @ 10,513'
   9-7/8" open hole completion 10,570' - 10,790'
   - plugged back 10,790' - 10,727'

Last produced 8\85 (Date) 7 (Oil, B/D) 133 (Water, B/D) 31 (Gas, Mcf/D)

OR

4. Last injected ---- (Date) --- (Water, B/D) ---- (Gas, Mcf/D) ---- (Surface pressure)

Additional Data for dry hole (show depths)

5. Uppermost productive zone:
   Top of 10 Sand: 10,573'
   Base of 10 Sand: 10,727'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 787'

The proposed work is as follows:

1. MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out to PBD at 10,727'.
3. Place class "G" cement plug (w/40% silica) from 10,727' to 10,413'. D.O.G. to witness placement and tag.
4. Place 9.62 ppg mud from TOC to 790'.
5. Shoot 20', 4 spf strip shot at 790'. Squeeze class "G" cement plug (w/3% $CaCl_2$) from 790' to 687'. DOG to witness placement and ta
6. Shoot 4 holes @ 100'. Place class "G" cement plug (w/3% $CaCl_2$) from TOC to surface. Downsqueeze 100 lineal feet getting returns i casing/conductor annulus. D.O.G. to witness set of plug.
7. Cut off casing @ 5' and weld plate with well identifier.
8. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 225 W. Hillcrest Drive (Street)
Thousand Oaks, (City) CA (State) 91360 (Zip)

Telephone Number 805-494-2000

Exxon Company, USA (Name of Operator)

By R. W. Komeke (Name-Printed)

R W Komeke (Name-Signature) 6-5-92 (Date)

Type of Organization Corporation

NLF16ABD.DOG

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
August 12, 1993

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 17, A.P.I. No. 037-16488 Section 24, T. 4N, R. 17W, SB B.&M., Castaic Junction field Los Angeles County, dated October 29, 1992, received November 4, 1992 has been examined in conjunction with operations witnessed and records filed in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By _____
Patrick J. Kinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR EXXON
WELL NO. "N.L.&F.Co." 17
MAP 253

037-16488
24-4-17

INTENTION	ABANDON					
NOTICE DATED	10-29-92					
P-REPORT NUMBER	292-317					
CHECKED BY/DATE						
MAP LETTER DATED	5/14/93					
SYMBOL	+					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	11-4-92											
HISTORY	[illegible]											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.	FMN 7/6/93	OK				
DRILL CARD						

RECORD'S COMPLETE FMN 8/11/93

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DOG Dist. 1

History of Oil or Gas Well

Operator Exxon Corporation Field Wilmington County Los Angeles
Well Newhall Land & Farming Co. #17 Sec. 24, T 4N, R 17W SB B. & M.
A.P.I. No. 037-16488 Name Judy Bagwell (Person submitting report) Title Sr Staff Office As (President, Secretary or Agent)
Date July 29, 1993

Signature

Environmental & Regulatory Affairs, P. O. Box 1600, Midland, TX 79702 (Address) 915/688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, ridetracked junk, bailing tests and initial production data.

Date

06/04/93 MIRU. Guy out rig. Spot tanks & pump. RU kill line & manifold. RU slickline. RIH w/2.37 tbg plug to 325'. Set plug. Rig out slickline. RU pump & tank.

06/05/93
through
06/06/93 No well work.

06/07/93 Open well (tbg 0 psi & csg 140 psi). Bleed csg. Attempt to circ dwn tbg. Press up to 500#. Bleed off slowly. Reverse circ 400 BBLs+ dwn csg. N/D prod tree. N/U Class III 5000# BOP & BOE. Punch test - OK. RU working floor & tbg equip. Unland tbg. Work stuck tbg @ 8000#. Close in well.

06/08/93 Open well (no psi). Work stuck tbg @ 80,000#. RU MMI electric line. RIH w/1 11/16 free point tool. Stopped @ 10,855'. Locate top of packer @ 10,103'. Tbg free at 10,090'. Tbg 100% stuck @ 10,199'. POOH. RIH w/1.625 chemical cutter. Cut tbg @ 10,091'. Tbg free. Tools stuck, work loose & POOH. Rig out MMI. POOH LD 100 jts 2.375 tbg on trailers. Closed well in.

06/09/93 Open well (no psi). Continue POOH LD 2.375 tbg (170 jts). Move out trailers. Haul in 300 jts 2.875 tbg. Change pipe rams to 2.875. PU 5.75 overshot w/2.375 grapple. PU 4 4.5 DC & B/S jars & accelerator. Continue PU & measuring 2.875 N-80 workstring. PU 67 jts.

DIVISION OF OIL AND GAS
RECEIVED
AUG 0 1993
VENTURA, CALIF.

06/10/93 Open well (no psi). Continue PU & measuring 2.875 N-80 workstring. PU 260 jts. Latch on fish @ 10,095', jarring @ 120,000# - no movement. Closed well in.

06/11/93 Open well. Jarring on stuck tbg. RU MMI. RIH w/1-1/2 chisel w/1-1/2 sinker bars. Stopped @ 10,606'. Tools backed off while working in tight spot. Fish @ 10,604'. POOH. Rig out MMI. Close well in. SD. Waiting on rods.

06/12/93
through
06/14/93 No well work.

06/15/93 Open well (no psi). Off-load 1000' 7/8 & 3/4 rods. Haul in 37 3/4 rods from NL&F #5. RU rod BOP & punch test - OK. Make up 1.5x.75x.625 x-over box. Make up 50 3/4 rods w/1.5 boxes. RIH w/10 3/4 rods w/.625 boxes. Make up 1 .75 spanning jars. RIH w/228 3/4 rods total. Close well in.

06/16/93 Open well (no psi). Continue PU 3/4 & 7/8 rods. Tag top of fish @ 10,550'. Screw onto fish, work loose & work dwn hole to 10,830'. Stopped. Reverse circ well. POOH w/rods (314) 3/4 & 7/8. No fish. Close well in.

06/17/93 Open well (no psi). Reverse circ well. RU MMI. RIH w/1-3/4 gauge ring tool. Stopped @ 10,270'. Work dwn to 10,300'. Stopped. RIH w/1-11/16 chemical cutter. Locate packer @ 10,120'. Cut tbg @ 10,242' (could not go dwn after cut). POOH jarring on fish @ 12,000#. RIH w/string shot. Locate packer @ 10,120'. Pull tbg to 12,000#. Shot @ packer - no movement. POOH, shot did not go off. RIH w/new shot. Shoot same place. POOH (no fire). Work stuck tbg @ 120,000#. Attempt to pump into formation @ 1000#, no entry. Received verbal approval from Steve Mulqueen, Ventura DOG, to cease unsuccessful fishing operations and plug from the top of packer to 100' above of the fish @ 10,091' @ 1610 hrs on 6-17-93. Close well in.

06/18/93
through
06/20/93 No well work.

06/21/93 Open well (no pressure). Rig for rods. Install rod BOP. Punch test, ok. RIH w/180 rods. POOH laying dwn. RU MMI electric line. RIH w/1 11/16 jet cutter. Stopped @ 10,090', top of fish, could not work in 2.375 tbg. POOH, make up 1 9/16 jet cutter. RIH w/1 9/16 jet cutter. Cut tbg @ 10,098'. POOH, rig out MMI. Jar tbg loose, LD 2 jts. Rig for rods. RIH w/180 3/4 rods. POOH LD 100 rods. Close in well.

06/22/93 Open well (no response). Cont POOH LD 80 .75 rods. POOH w/163 stands 2.875 N-80 tbg. LD 4 DC & fishing tools, 7' 2.375 in stub in fishing tool. Make up mule shoe collar on 2.875 tbg & RIH w/80+0 stands. Close in well.

06/23/93 Open well (no pressure). Cont RIH w/2.875 N-80 tbg. Tag top of fish @ 10,898'. Pull to 10,094' w/tbg tail @ 10,094. RU Halliburton. Test lines, 250 low & 4000 high-OK. Fill well, circ well. Mix & pump (86 cf) 53 sx class G cmt + 40% Silica Flour + .5% HR-7 + .5% CFR-3. Displace w/56 bbls lease wtr. Rig out Halliburton. POOH w/8+0 to 9582'. Reverse circ 35 min-OK. Pull 10+0. Close in well.

06/24/93 Open well (no pressure). RIH, tag TOC @ 9700', pressure csg to 500#-OK. Circ 400 bbl + 9.7 ppg mud dwn tbg. POOH, LD 150 jts 2.875 N-80 tbg. Close in well. Peter R. Wygle, DOG, witnessed tag of plug from 10,094' to 9,700' to surface.

06/25/93 Open well (no pressure). Cont LD 3.875 tbg. LD 194 jts. Stand back in derrick 13+0. Fill well w/12 bbl 9.7 ppg mud. RIH w/20' strip shot w/80 shots (4 SPF). Locate collars @ 792' and 746'. Shoot holes from 763' to 783'. POOH, circ 65 bbl mud dwn 7" csg, up 10 3/4" csg. RIH w/26 jts 5.875 tbg w/tbg tail @ 787'. RU Halliburton. Test lines 200# low & high-OK. Mix and pump 109 cf (88 sx) neat cmt, displace w/3 bbl lease wtr. Open 7" csg. Let cmt gravitate in 7". POOH w/tbg. Rig up MMI. RIH w/2' strip shot, 8 holes. Locate collar @ 143'. Shoot 8 holes @ 119' to 121'. POOH, rig out MMI. Close in well.

06/26/93
through
06/27/93 No well work.

06/28/93 Open well (no pressure). RIH, tag TOC @ 604'-OK. POOH, LD 22 jts. RIH w/4 jts w/tbg tail @ 124'. Rig up Halliburton, circ 63 cf (55 sx) neat cmt dw 2.875 tbg, up 7" & 10.75 in csg to surface. Called Steve Mulqueen @ 8:24 am. Gave verbal ok on TOC @ 604' & placing cmt from 121' to surface. POOH, LD 4 jts. Clean tbg & BOPE. Load out tbg equip & working floor. ND BOP & load out BOPE. RDMO.

06-29-93 No well work.

06-30-93 Remove cellar. Cut casings off 5' below surface. Cement to surface in 7" and 10-3/4" annulus. Pete Wygle, Division of Oil and Gas, waived witnessing cement to surface and gave permission to cap and cover casings at 1:00 pm. Well is plugged and abandoned.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No.T293-188

REPORT ON OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
August 9, 1993

Your operations at well "Newhall Land & Farming Co." 17, API No. 037-16488, Sec. 24, T. 4N, R. 17, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 6-24-93. P. Wygle, representative of the supervisor, was present from 0800 to 0900. There were also present D. Morris, Exxon representative.

Present condition of well: 10 3/4" cem 783'; 7" cem 12238', cp 120' & 10757', perf 763'-783' (cem off), perf 10305', perfs @ int 10345'-10646', perf 10725' & 10730' & perfs 12092'-12162'. Junk below 10098'. TD 12368'. Plugged w/cem 12238'-12368', 10094'-9700' & 787'-604'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

PK:PW:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Deputy Supervisor

OG109

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

T293-188

Operator Exxon Corp. Well No. "Newhall Land & Farming Co"
API No. 037-16488 Sec. 24, T. 4N, R. 17W, SB B&M
Field Castaic Jct, County LA. On 6-24-93,
Mr./Ms. PETE WYGLE, representative of the supervisor, was present from 0800 to [illegible].
There were also present D. Morris, operator's rep.

Casing record of well: 10¾" cem 783'; 7" cem 12238' cp 120 & 10757', perf 76; 783' (cem off), perf 10305', perfs @ int 10345'-10646', perf 10725' & 10730'; perfs 12092'-12162'. Junk below 10098'. TD 12368'. Plugged w/ cem.

The operations were performed for the purpose of abandonment
12238'-12368', 10094'-9700', 787'-604'

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: 7" shot/cut (HOLE) at 763', TO 783', _____' pulled fr. _____';
7" shot/cut (HOLE) at 120', _____', _____' pulled fr. _____'.

Junk (in hole): Dual strings of 2⅜" tbg @ 10,994-11,800' & 10,100'-10,[illegible] w/ [illegible] @ 10,100'

Hole fluid (bailed to) at _____'. Witnessed by _____ 10 PPG @ 11,500'.

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
CLAY-GEL	6-28-93	60	TBG @ 786	—	SURFACE	REPORTED

CO to top of fish @ 10,098

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
6/23	86 cf	tbg 10,094	—	rptd	9700	6K tbg	6-24-93 0830	[illegible]
6/25	86 sx	TBG @ 787'	—	"	604'	—	6/25 0800	REPORTED

* TEST WAIVED 6-28 93, N.E.A.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No.P292-317
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 25

PERMIT TO CONDUCT WELL OPERATIONS
CORRECTION

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
April 30, 1993

Your proposal to abandon well "Newhall Land & Farming Co." 17, A.P.I. No. 037-16488, Section 24, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, --- area, Main pool, Los Angeles County, dated 10-29-92, received 11-04-92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 12,999'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.

THIS DIVISION SHALL BE NOTIFIED:

a. To witness the location and hardness of the cement plug at 10,205' and 663'.
b. To witness the mudding of the well.
c. To witness the placing of the surface plug or to verify its location.
d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
PK:SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-317
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 25

PERMIT TO CONDUCT WELL OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 6, 1992

Your ____ proposal to abandon well "Newhall Land & Farming Co." 17, A.P.I. No. 037-16488, Section 24, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, ---- area, Main pool, Los Angeles County, dated 10-29-92, received 11-04-92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 12,199'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To inspect the ~~installed blowout~~ prevention equipment prior to drilling below 10,205' & 663'.
   b. To witness the ~~mudding~~ of the well.
   c. To witness the placing of the surface plug or to verify its location.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

176

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

DIVISION OF OIL AND GAS
RECEIVED
NOV 0 4 1992
VENTURA, CALIFORNIA

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	BB	11-4-92 ✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land & Farming Co 17 (Well designation), API No. 037-16488

Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 10/29, 19 92.

The present condition of the well is:

1. Total depth 12,368'

2. Complete casing record, including plugs and perforations
   10 3/4" 40.5# casing 0'-783'
   7" 23/28/32# casing 0'-12,238'
   perfs: 12,092'-12,162', 10,345'-10,646'
   WSO: 10,305'
   Plug back depth : 12,199'

3. Last produced 7/77 (Date) 1 (Oil, B/D) 14 (Water, B/D) 11 (Gas, Mcf/D)

   OR

4. Last injected _____ (Date) _____ (Water, B/D) _____ (Gas, Mcf/D) _____ (Surface pressure)

Additional Data for dry hole (show depths)

5. Uppermost productive zone:

   zone 10-A: 10,348'-10'646'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 773'

The proposed work is as follows:

1. MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out 7"casing to bottom at 12,199' PBTD.
3. Place class "G" cement plug from 12,199'-11,760' to cover zone 21. DOG to witness.
4. Place class "G" Cement plug from 10,832'-10,205' to cover zone 10 at 10,345'-10,646' and WSO perf at 10,305'. DOG to witness.
5. Shoot 10' of 4 SPF centered at 773' place a class "G" cement plug from 783'-683' in the 7" casing and the 7" X 10 3/4" annulus covering the fresh water base. DOG to witness .
5. Shoot 4 holes @ 100'. Circulate cement plug from 100' to surface getting returns in the 7" X 10 3/4" annulus. DOG and to witness. setting of plug.
7. Cut off casing @ 5' and weld plate with well identifier.
8. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive (Street) P.O. Box 1600

Midland, (City) TX (State) 79702 (Zip)

Telephone Number 915-688-7888

Exxon Corp. (Name of Operator)

By Judy M. Bagwell (Name-Printed)

Judy Bagwell (Name-Signature) 10-29-92 (Date)

Type of Organization Corporation

Forms\Abandon.DOG

FORM 105

STATE OF CALIFORNIA

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
DEC 26 1952
LOS ANGELES, CALIFORNIA

037-16488

Notice of Intention to Drill New Well

This notice and surety bond must be filed before drilling begins

Los Angeles, Calif. December 23, 1952

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence the work of drilling well No. Newhall Land & Farming Co. #17 / Proj. 24 / Sec. , T. 4-N , R. 17-W , S.B. B. & M., Castaic Junction Field, Los Angeles County.

Legal description of lease See Attached Plat
(Attach map or plat to scale)

Location of Well: 920 feet South (Direction) along section line and 13166 feet West (Direction) property. at right angles to said line from the Corner 11, Rancho San Francisco corner of section. property.

Elevation of ground above sea level 1176 feet M.S.L. datum.

All depth measurements taken from top of Kelly Bushing which is 14 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
10-3/4"	41, 85#	"B"	0	800	Cemented to surface.
7"	26, 29, 32	N-80	0	12000	Cemented 12000-9500'

Intended zone or zones of completion: Zone 21 11,900 - 12,000'

It is understood that if changes in this plan become necessary we are to notify you before running casing.

612 S. Flower St.
Address Los Angeles, California

HUMBLE OIL & REFG. CO.
(Name of Operator)

Telephone Number Madison 6-7701

By

SEND ONE COPY OF NOTICE TO DIVISION OFFICE IN DISTRICT WHERE WELL IS LOCATED

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

October 6, 1992

Your report of plugging and abandonment of well Newhall Land & Farming" 22 _____, A.P.I. No. 037-16493 Section 24, T. 4N, R. 17W, SB B.&M., Castaic Junction field Los Angeles County, dated 4-23-92, received 4-27-92 has been examined in conjunction with operations witnessed and records file in this office. We have determined that all of the requirements of this Division have been fulfilled.

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear, Deputy Supervisor

PK:nr

cc: Conservation Committee
Update

OG159 (6/92)

OPERATOR Exxon Corp.
WELL NO. "Newhall Land & Farming Co." 22
MAP

24-4-17

INTENTION	Abd.					
NOTICE DATED	4-23-92					
P-REPORT NUMBER	293-17					
CHECKED BY/DATE	SPM 7-1-92					
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	4-23-92											
HISTORY	5-26-92											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	PW 8-11-92					
DRILL CARD						

RECORD'S COMPLETE SAH 9-25-92

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD
OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

REMARKS:

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

ORIGINAL
DIVISION OF OIL AND GAS
RECEIVED
AUG 26 1992
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Company, U. S. A. Field Castaic County Ventura
Well NL&F 22, Sec. 32, T 4N, R 17W, SB B. & M.
A.P.I. No. 037-16493 Name James R. Ezell (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date August 25, 1992.

Signature James R. Ezell RES

P. O. BOX 5025, THOUSAND OAKS, CA 91359 (Address) 805/494-2000 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

6/26/92 Moved in and rigged up. Guyed down rig. Rigged up slick line. RIH with 1-1/2" sinker bars on slick line and tagged fill at 10,473'. Fluid level at 420' in tubing. POOH. RIH with 1.915 OD biscuit cutter and stopped at 8147'. POOH. Rigged out slick line.

6/27/92
through
6/28/92 No well work.

6/29/92 Continued rigging up pump and tanks. Opened well, no pressure. Filled tubing with 4 bbls lease water and filled casing with 5 bbls of lease water. Removed production T, wellhead bolts very tight. Nippled up BOPE and tested, OK. Rigged up work floor and tubing equipment. Unlanded tubing. Worked stuck latch assembly on stab in, pulled 80,000#. Worked loose after two hours of pulling tubing and well swabbing. Rigged to pump down tubing. Pressure up to 1000 psi, no circulation. Pumped down casing, pressure at 1000 psi, no circulation.

6/30/92 Opened well, no pressure. Rigged up Dia-log. RIH with 1-3/4" tubing, punch five shots. Stopped at 6554'. POOH. RIH with 1-1/2" sinker bars (20'), jars and star tip. Tagged at 6554' and worked down to 6844'. POOH. Worked tubing. Pressure tubing to 2000 psi and casing to 1000 psi, plugged both ways. RIH with 1-3/4" tubing punch. Tagged at 6865', center shot at 6798'. POOH. Rigged out Dia-log. Rigged up pump and circulated well with 264 bbls of water. Measured out of hole with 234 joints of 2-7/8" tubing (found holes

in tubing). Attempt to pump down tubing at 1500 psi and casing at 1000 psi. Still plugged. Closed in well.

7/1/92 Opened well, 110 psi on tubing and 14 psi on casing. Bled down well. Rigged up wireline with lubricator. RIH with slick line and 2-1/4" IB, tagged obstruction at 132'. POOH, no show on IB. RIH with 1-3/4" IB. POOH, no show. RIH with 1-1/2" sand bailer and tagged at 132'. POOH found sand and mud in bailer. Rigged out wireline. Lowered tubing 310'. Rigged up to run 1-1/4" drill string. Rigged up BOP and tested, OK. Made up mule shoe on 1-1/4" tubing. RIH with 15 joints of tubing and tagged fill at 455'. Cleaned out from 455' to 583' (128'). Found bridges of sand and mud in tubing. POOH and laid down 19 joints of tubing. Unable to pump down tubing at 2000 psi, tubing still plugged. Closed in well.

7/2/92 Opened well, no pressure. Rigged up Otis coil tubing (1-1/4") Filled and tested tubing at 2000 psi, OK. RIH to 589' and tagged plug. Clean out from 589' to 3170', broke through plug. Circulate down tubing and up 7" casing. POOH with coil tubing. Blow tubing down with nitrogen truck. Rigged out coil tubing and work tubing. Closed in well.

7/3/92
through
7/5/92 No well work.

7/6/92 Opened well, no pressure. Lower work floor. Measure 2-7/8" tubing out of hole. Laid down Baker locator with latch. Pick up and measure 10 joints of 1-1/4" drill rod. RIH with 1-1/4" and 2-7/8" tubing. Tagged fill at 10,434'. Cleaned out from 10,434' to 10,510'. Well sloughing and tubing plugging. Pulled up to 10,495'. Reverse circulate clean. Pulled up to 310'. Closed in well.

7/7/92 Opened well, no pressure. RIH to 10,495'. Reverse circulate well. Rigged up Halliburton and tested lines at 300 psi low and 3000 psi high. Mixed and pumped 89 sacks of Class G cement with 40% silica flour, 2% retarder and 2% friction reducer. Displaced with 59 bbls of lease water. Rigged out Halliburton. POOH with 600' of 2-7/8" tubing. Reverse circulate well clean with 70 bbls of lease water. No cement returns. POOH with 300' of tubing. Closed in well.

ORIGINAL

7/8/92 Opened well, no pressure. RIH and tagged cement at 9845'. Division of Oil and Gas witnessed and approved tag and approved mud operation. Pumped 390 bbls of 9.7 ppg mud from 9845' to surface. POOH and laid down 205 joints of tubing. Closed in well.

7/9/92 Opened well, no pressure. Continued POOH and laid down 135 joints of 2-7/8" tubing and 10 joints of 1-1/4" tubing. Filled well with 9.7 ppg mud. Rigged up Dia-log perforators. RIH with 4" gun and located casing collar at 774'. Shot holes from 775' to 785' (2 SPF). Shot holes from 763' to 773' (2 SPF). POOH. Rigged out Dia-log. RIH with 2-7/8" tubing to 786'. Circulate 80 bbls of 9.6 ppg mud down tubing and up 10-3/4" casing, down tubing and up 7" casing. Rigged up Halliburton and tested lines at 300 psi low and 3000 psi high. Mixed and pumped 59 sacks of Class G cement with 2% $CaCl_2$. Displaced with 25 ft^3 of fresh water. Pumped cement down tubing and up 10-3/4" casing. Opened 7" casing and flowed back 3 bbls of cement. POOH with tubing. RIH with Dia-log and shot four holes from 100' to 101'. POOH. Rigged out Dia-log. Closed in well.

7/10/92 Opened well, no pressure. RIH and tagged cement at 685'. Tag witnessed and approved by Division of Oil and Gas. POOH and laid down 23 joints of tubing. Rigged up Halliburton and tested lines. Circulate down tubing and up 10-3/4" casing, down tubing and up 7" casing to surface. Mixed and pumped 50 sacks of Class G cement with 2% $CaCl_2$ from 101' to surface. Surface plug witnessed and approved by S. Mulqueen of Division of Oil and Gas. Cleaned location. Nippled down BOPE. Loaded out all tools. Rigged down and moved off.

7/28/92 Steve Mulqueen of Ventura District Division of Oil and Gas witnessed cement to surface in casings, weld on cap and backfilled location.

8/11/92 Pete Weigle of Ventura District Division of oil and Gas witnessed and approved site cleanup .

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. T292-127

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
August 19, 1992

Your operations at well "Newhall Land & Farming" 22, API No. 037-16493, Sec. 24 T. 4N, R. 17W S.B.B.&M. Csstaic Junction Field, in Los Angeles County, were witnessed on 7-10-92. Stephen Mulqueen, representative of the supervisor, was present from 0800 to 1000. There were also present Dave Morris & Ken Kennedy.

Present condition of well: 10 3/4" cem 782'; 7" cem 10502', cp 100', 763' & 775'; 5" ld 10443'-10653', perfs 10443'-10653', tight @ 10512'. Junk below 10375'. TD 10730'. Plugged w/cem 10730'-10654', 10495'-9845', 786'-685' & 100'-5.

The operations were performed for the purpose of Abandonment

DECISION:

The plugging operations as reported and witnessed are approved.

K.P. HENDERSON, Acting Chief

By Patrick J. Kinnear
Deputy Supervisor

OG109/PK:nr

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

127

Operator EXXON CORPORATION Well No. "Newhall Land & Farming" 22
API No. 037-16493 Sec. 24, T. 4N, R. 17W, SB B&M
Field CASTAIC JUNCTION, County LOS ANGELES. On 7-10-92,
Mr./Ms. S. MULQUEEN, representative of the supervisor, was present from 0800 to 1000.
There were also present [illegible] & KEN KENNEDY

Casing record of well: 10¾" cem. 792', 7" cem. 10508', cp 100', 763' & 775'; 5" lr [illegible] - 10853', perfs 10443' - [illegible], tight @ 10512', junk [illegible] [illegible] 10830'. Plugged w/ cem. [illegible] - [illegible] - 9845' TBG [illegible]

The operations were performed for the purpose of [illegible]
[illegible]

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ______' is approved.

Hole size: ______" fr. ______' to ______', ______" to ______' & ______" to ______'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

[illegible] 763' - 773' & 775' - 785'

Casing/tubing recovered: ______" shot/cut at ______', ______', ______' pulled fr. ______';
______" shot/cut at ______', ______', ______' pulled fr. ______'.

Junk (in hole): 10830' [illegible]

Hole fluid (bailed to) at ______'. Witnessed by ______

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
70# [illegible]	7-8-92	390 bbl	TBG @ 9845'	—	SURFACE	S. MULQUEEN

[illegible] - OUT @ 10515'. USED 300' [illegible] 2⅜" [illegible]

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
7/7	144 cf*	TBG @ 10495	—	REPORTED	9845'	10 M#	7/8 0800	S. MULQUEEN
7/10	57 cf	TBG @ 786'	—	"	685'	ALL TBG WEIGHT	7/10 0800	"
7/10	50 cf	TBG @ 100'	0900	S. MULQUEEN	5'	VISUAL	7/10 0900	"

TIGHT SPOT INDICATED IN OIL HISTORY @ 10512' [illegible] TBG, [illegible] @ 10515'
* 20% SILICA FLOUR. [illegible] SCUTTLED @ 9846
PRESSURE TESTED TO [illegible] # AFTER TAG @ 9845'

OGD10 (10/90/GSR1/5M) [illegible] SURFACE PLUG [illegible] S. MULQUEEN

CLEANHOLE FLUIDS, INC.

WORKOVER, COMPLETION & DRILLING FLUIDS

POST OFFICE BOX 3657
VENTURA, CALIFORNIA 93006
(805) 648-2273

YA GOTTA CARE

FLUID REPORT

REPORT No.

DATE ____ 19__ DEPTH ____

API WELL NO.	STATE	COUNTY	WELL	S/T

OPERATOR	CONTRACTOR	RIG NO.
ADDRESS	ADDRESS	SPUD DATE
REPORT FOR MR.	REPORT FOR MR.	SECTION TOWNSHIP RANG

WELL NAME AND NO.	FIELD OR BLOCK NO.	COUNTY, PARISH OR OFFSHORE AREA	STATE OR PROVINCE

OPERATION		CASING	FLUID VOLUME (BBL)	CIRCULATION DATA	
PRESENT ACTIVITY		SURFACE IN. at FT.	HOLE PITS	PUMP SIZE X IN.	ANNULAR VEL. (FT./MIN.) OPPOSITE DP
BIT SIZE (IN.)	NO.	INTERMEDIATE IN. at FT.	TOTAL CIRCULATING VOLUME	PUMP MAKE MODEL	OPPOSITE COLLAR
DRILL PIPE SIZE	TYPE	PRODUCTION OR LINER IN. at FT.	IN STORAGE	BBL/STROKE STROKE/MIN	CIRCULATING PRESSURE PSI
DRILL COLLAR SIZE	LENGTH	FLUID TYPE		BBL./MIN.	BOTTOMS UP (MIN.) SYSTEM TOTAL (MIN.)

Sample from ☐ Flowline ☐ Pit
Flowline Temperature °F

FLUID PROPERTIES			
Time Sample Taken			
Depth (ft)			
Weight ☐ (ppg) ☐ (lb/cu ft)			
Mud Gradient (psi/ft)			
Funnel Viscosity (sec/qt) API at ____ °F			
Plastic Viscosity cp at ____ °F			
Yield Point (lb/100 sq ft)			
Gel Strength (lb/100 sq ft) 10 sec/10 min	/	/	/
pH ☐ Strip ☐ Meter			
Filtrate API (ml/30 min) Spurt Loss (1 min)	/	/	/
API HP-HT Filtrate (ml/30 min) ____ °F			
Cake Thickness 32nd in API ☐ HP-HT ☐			
Alkalinity, Mud (P_m)			
Alkalinity, Filtrate (P_f/M_f)	/	/	/
Salt ☐ ppm ☐ gpg Chloride ☐ ppm ☐ gpg			
Calcium ☐ ppm ☐ Gyp (ppb)			
Sand Content (% by Vol)			
Solids Content (% by Vol) - Centrifuge			
Oil Content (% by Vol)			
Water Content (% by Vol)			
Methylene Blue Capacity (me/ml mud)			

EQUIPMENT

	SIZE	HRS/TOUR				SIZE	HRS/TOUR		
Centrifuge					Desilter				
Degasser					Shaker				
Desander					Other				

DAILY COST	CUMULATIVE COST

FLUID PROPERTIES SPECIFICATIONS

WEIGHT	VISCOSITY	FILTRATE

BY AUTHORITY ☐ OPERATOR'S WRITTEN ☐ DRILLING CONTI ☐ OF
☐ OPERATOR'S REPRESENTATIVE ☐ OTHER

MATERIALS RECOMMENDED

THE RECOMMENDATIONS MADE HEREON SHALL NOT BE CONSTRUED AS AUTHORIZING THE INFRINGEMENT OF ANY VALID PATENT, AND ARE MADE WITHOUT ASSUMPTION OF ANY LIABILITY BY CLEANHOLE FLUIDS CO. OR ITS AGENTS, AND ARE STATEMENTS OF OPINION ONLY

REPRESENTATIVE	HOME ADDRESS	TELEPHONE
MOBILE UNIT	WAREHOUSE LOCATION	TELEPHONE

EXXON COMPANY, U.S.A.
POST OFFICE BOX 5025 • THOUSAND OAKS, CALIFORNIA 91359-5025 • (805) 494-2000

PRODUCTION DEPARTMENT
WESTERN DIVISION

DIVISION OF OIL AND GAS
RECEIVED
JUL 1 1992
VENTURA, CALIFORNIA

June 30, 1992

Steve Fields
Engineer, District 2
California Department of Conservation
Division of Oil and Gas
1000 S. Hill Road, Suite 116
Ventura, CA 93003

Dear Steve,

We have submitted 9 Notices of Intention to Abandon Well which need correcting.

In the process of actually abandoning the wells at Castaic, we have learned that cementing to surface from the base of fresh water doesn't work well as a standard procedure. We therefore propose, for permitting purposes, that we revert to the conventional 100' plug above the BOFW, mudding to 100' below surface, and then cementing from 100' to surface. (All of the cement plugs are both inside and outside the production casing).

The wells that will be affected for Castaic Junction Field are: Newhall Corporation #1, NL&F #16, 20, 22, 25, 28, 32, 38, and 72.

If you have any questions, you may reach me at (805) 494-2139. Thank you for your cooperation.

Sincerely,

Jeffrey L. Denney
Project Engineer

JLD\dy
MrFields.Ltr

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-118
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS

WATERFLOOD

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
May 7, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 22, A.P.I. No. 037-16493, Section 22, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ------- area, 10-A pool, Los Angeles County, dated 4/23/92, received 4/27/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 3M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,653'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By _____
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

P292-118
Exxon Corporation
"Newhall Land & Farming Co." 22
con't.

6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10,343'.
   b. To witness the placing of the cement plug from 10,343' to 8835'.
   c. To witness the mudding of the well.
   d. To witness the placing of cement inside the 7" casing and all annuli.
   e. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

SF:tkc

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	~	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #22 (Well designation), API No. 037 - 16493

Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19 ___.

The present condition of the well is:

1. Total depth 10,730'

2. Complete casing record, including plugs and perforations
   10-3/4" conductor 0' - 782'
   7", 23#, 26#, & 29# casing 0' - 10,502' (tight spot @ 8935')
   5", 15# inner liner 10,443' - 10,653' (tight spot @ 10,512')
   9-7/8" open hole completion 10,502' - 10,730'
   - plugged back to 10,654'

3. Last produced ____ (Date) ___ (Oil, B/D) ___ (Water, B/D) ___ (Gas, Mcf/D)

   OR

4. Last injected 2/73 (Date) 300 (Water, B/D) ---- (Gas, Mcf/D) ---- (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost productive zone:
   Top of 10 Sand: 10,504'
   Base of 10 Sand: 10,640'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 772'

The proposed work is as follows:

1. MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out to bottom of the inner liner at 10,653'.
3. Place class "G" cement plug from 10,653' to 100' above the top of the liner. D.O.G. to witness placement and tag.
4. Place class "G" cement plug from TOC to 8835'. D.O.G. to witness placement and tag.
5. Place 9.62 ppg mud from TOC to 772'.
6. Shoot cavity shot at 767'. Squeeze class "G" cement plug from 772' to 672'. D.O.G. to witness placement and tag.
7. Shoot 4 holes @ 100'. Place class "G" cement plug from TOC to surface. Downsqueeze 100 lineal feet getting returns in casing/conductor annulus. D.O.G. to witness set of plug.
8. Cut off casing @ 5' and weld plate with well identifier.
9. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 225 W. Hillcrest Drive (Street)
Thousand Oaks, CA 91360 (City) (State) (Zip)
Telephone Number 805-494-2000

Exxon Company, USA (Name of Operator)
By R.W. Ramirez (Name-Printed)
R W Ramirez 4/23/82 (Name-Signature) (Date)
Type of Organization Corporation

NLF22ABD.DOG

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

November 8, 1995

Exxon Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 23,

A.P.I. No. 037-16494, Section 24, T. 4N, R. 17W, S.B. B.& M.,

Castaic Junction field, Los Angeles County,

dated 09-01-95, received 09-22-95, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

William F. Guerard, Jr
State Oil and Gas Supervisor

svl

By
Patrick J. Kinnear
Deputy Supervisor

Modified OG159 (4/94)

OPERATOR Exxon Co. P. A.P.I. 037 [illegible]

WELL NO. Nuttall Land + Farming Co 3 SECTION 24, T. 4 N, R. 17 W

MAP

INTENTION	Abandon					
NOTICE DATED	7-[illegible]-94					
P-REPORT NUMBER	[illegible]					
CHECKED BY/DATE						
MAP LETTER DATED	11/16/95					
SYMBOL	-0-					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	[illegible]											
HISTORY	9-27-95											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	9/20/95 FMM					
DRILL CARD						

RECORD'S COMPLETE FMM 9/22/95

FINAL LETTER OK

MAILED

RELEASED BOND

INJECTION BOOK

IDLE WELL LIST

SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL

ABANDONED-REMOVED FROM E.D.P.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
SEP 22 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 23 , Sec. 24 , T 4N , R 17W , S.B. B. & M.

A.P.I. No. 0403716494 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistar (President, Secretary or Agent)

Date 09/01 , 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (915) 688-7838
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilli or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amou of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

08/07/95
MIRU. RIG UP AND GUIDE RIG OUT FULLY. RIG UP PUMP AND TANK. RIG UP KILL LINE. CHECK WELL PRESSURES 50# TBG AND 0# ON CSG. NOTIFIED CAPT MIKE LEE, LAFD AND PETER WIGLE, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES. INSTALL AND TEST RIG ANCHORS. RAN BHP/BHT LOGS.

08/08/95
SERVICE RIG AND EQUIPMENT. NIPPLE UP 2.5 5000# COMPANION FLANGE ON TOP OF TREE. RIG TO REVERSE CIRCULATE WELL. PUMP 420 BBL. RIG UP GOLDEN STATE WIRELINE. RIH, RETRIEVE ORIFICE VALVE FROM 10202 FT. POOH, RIH WITH DUMMY VALVE, POOH RIG OUT GOLDEN STATE. FILL WELL, ATTEMPT TO PRESSURE TBG. CSG FLOWING WELL PRESSURIZING. CLOSE IN WELL.

08/09/95
OPEN WELL, NO PRESSURE. CHECK CELLAR FOR GASSES. NIPPLE DOWN PROD TREE. NIPPLE UP CLASS II BOP & BOE. FUNCTION TEST. RIG UP WORKING FLOOR AND TBG EQUIP. UNLAND TBG. WORK STUCK PACKER @ 80,000# MANDREL MOVEMENT, BUT COULD NOT WORK PACKER LOOSE. CLOSE IN WELL. NOTE: CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, PETE WYGLE, GAVE VERBAL APPRV ON SHOOTING TBG ABOVE PACKER AND RUNNING RETAINER DOWN SQUEEZE CSG VOLUME BELOW RETAINER AND BRING CEMENT UP TO 10,004 FT.

08/10/95
OPEN WELL. WORK STUCK PACKER @ 80,000#. RIG UP KFE WIRELINE. MAKE UP 2-1/8 INCH JET CUTTER, RIH, LOG TOP OF PKR @ 10,238 FT. CUT TBG @ 10,223 FT. POOH, RIG OUT WIRELINE. WORK TBG FREE, CIRCULATE WELL. REMOVE WRAP AROUND DONUT. POOH WITH 329 JTS TBG. MEASURE ALL TBG. MAKE UP 4 INCH BY 26 FT BAKER CEMENT RETAINER. RIH WITH 20+0, CLOSE IN WELL.

08/11/95
OPEN WELL (NO PRESSURE). RIH WITH BAKER CEMENT RETAINER SET @ 10179 FT ATTEMPT TO PRESSURE CSG. LEAKING THRU TBG. POOH, LEAVE 24+0 AS KILL STRING TO 1500 FT. CLOSE IN WELL.

08/14/95
CHECK WELL, NO PRESSURE. OPEN WELL, POOH W/24+0 KILL STRING. CHECK OUT STAB IN ASSEMBLY. RIG UP ACE TBG TESTERS TESTING IN HOLE @ 5000#. FOUND EXT LEAK, STAND 127 & 125 OUT. CONT TESTING IN HOLE TEST 165+1 @ 5000#. STAB IN RETAINER @ 10179 FT. RIG UP FCI CEMENTERS. TEST LINES 300 LOW, 3000 HIGH. GET BREAKDOWN @ 100# 1 BRM. PULL OUT OF RETAINER. PUMP 10 BBL F/W AHEAD. MIX AND PUMP 82 CU FT, 71 SX CLASS G CEMENT AND DISPLACE WITH 57 BBL F/W. PULL 15+0 REVERSE OUT EST TOC 9800 FT. CLOSE IN WELL. PETE WYGLE, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, APPRVD PUMPING BALANCE PLUG FROM 10179 FT TO 9800 FT.

08/15/95
OPEN WELL, NO PRESSURE. RIH, TAG TOP OF CEMENT @ 9812 FT. MUD UP 95 BBL FROM 9812 TO 7400 FT 9.7 PPG MUD. POOH LAYING DOWN 89 JTS 2.875 IN TBG. REVERSE CIRCULATE WITH TBG TAIL @ 7412. RIG UP FCI. TEST LINES

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 23, Sec. 24, T 4N, R 17W, S.B. B. & M.

A.P.I. No. 0403716494 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistan (President, Secretary or Agent)

Date 09/01, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilli or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amou of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

REPORT CONTINUED: PG 2 OF 2

08/15/95
300 LOW 3000 HIGH. MIX AND PUMP 22 CU FT, 18 SX, CLASS G CEMENT @ 500# DISPLACE WITH 42 BBL F/W. PULL 5 JTS, LAY DOWN. PUMP 100 BBL 9.7 PPG MUD DOWN TBG, DISPLACE WITH 27 BBL F/W. POOH, LAY DOWN 83 JTS 2.875 INC TBG. CLOSE IN WELL. STEPHEN MULQUEEN, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, WITNESSED & APPROVED TAG OF TOP OF CEMENT @ 9812 FT, MUDDING FROM 9812 TO 7400 FT, WITNESSED CSG PRESSURE TEST, HELD 500 PSI, 1 MINUTE.

08/17/95
RDMO. OPEN WELL, NO PRESS. RIH, TAG TOC @ 4512 FT. MUD WELL WITH 9.7 PPG P&A MUD, 142 BBL. DISPLACE WITH 5 BBL F/W. POOH LAYING DOWN 128 JTS. PULL AND STAND BACK 13+0. RIG UP KFE WIRELINE. RIH W/2.5 INCH LINK JET 20 FT 80 SHOTS. SHOOT HOLES FROM 818 TO 798 FT. POOH, RIH WITH 25 JTS 2.975 INCH TBG. WITH TBG TAIL @ 834 FT MIX & PUMP 430 SX GLASS G CEMENT WITH 4% GEL DOWN 2.875 INCH UP 7 INCH & 10 INCH CSG TO SURFACE. POOH LAYING DOWN 25 JTS. PUMP CEMENT TO TOP FILL IN 7 INCH CSG. RIG OUT CEMENTERS. RDMO. PETER R WYGLE, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, WITNESSED AND APPRVD TAG TOC @ 4512 FT AND 430 SX SURFACE CEMENT OPERATIONS.

WELL IS PLUGGED TO SURFACE.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

NO. T295-136

Report on Operations

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
August 22, 1995

Your operations at well "Newhall Land & Farming Co." 23, API No. 037-16494, Sec. 24, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field in Los Angeles County, were witnessed on 8-17-95. Pete Wygle, representative of the supervisor, was present from 1200 to 1500. There were also present John Dean

Present condition of well: 10 3/4" cem 808'; 7" cem 10,400', perf 10,260' WSO (sqz off), perf & sqz 798'-818' & 4690'-4700', perf 10,295'-10,380'. TD 12,226'. Junk: prod pkr @ 10,234'. Plugged w/cem 12,150'-11,950', 11,200'-11,000', 10,750'-10,602', w/82 cf of cem below ret @ 10,179' & w/cem 10,179'-9812', 4723'-4512', & 834'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

VISION OF OIL, GAS, AND GEOTHERMAL RESOURCE

CEMENTING/PLUGGING MEMO

T295-136

Operator EXXON CORP. Well No. "N.L.& F." 23

API No. 037-16494 Sec. 24, T. 4, R. 17, ____ B&M

Field CASTAIC JUNCTION, County VENTURA. On ____

Mr. / Ms. ____, representative of the supervisor, was present from 12[illegible] to 15[illegible].

There were also present JOHN METZ

Casing record of well: ____

The operations were performed for the purpose of ABANDONMENT

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ ____' are approved.

Hole size: ____" fr. ____' to ____'; ____" to ____' & ____" to ____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
				8-14	RETAINER 10179'	82 cf	—		0	500	

BD 1500 PSI @ 1 BPM

Casing/tubing recovered: ____" shot/cut at ____', ____', ____' pulled fr. ____';

____" shot/cut at ____', ____', ____' pulled fr. ____'.

Junk (in hole): ____

Hole fluid (bailed to) at ____'. Witnessed by ____

Mudding	Date	bbls.	Displaced	Poured	Fill	Engr.
10#/BBL CLAY GEL	8-15-95	90	TBG @ 9812'	—	7400' ±	SPM

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
8-14-95	RETAINER @ 10179'	82 cf	—	REP.	9812'	10K	8/15 1000	SPM
8-16			—					
8-17		82 cf	1500	REP.				

STATE OF CALIFORNIA—THE RESOURCES AGENCY

PETE WILSON, *Governor*

DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

1000 SOUTH HILL ROAD, SUITE 116
VENTURA, CALIFORNIA 93003-4458
(805) 654-4761
TELEFAX (805) 654-4765

July 10, 1995

Stephen Johnson
EXXON CORPORATION
P.O. Box 1600
Midland, Texas 79702-1600

" NLMF " 23
037-16494
24-4-17

Dear Mr. Johnson:

In your letter dated July 6, 1995, you have requested an extension of the permits to plug and abandon for wells in the Castaic oil field. As the work will be commencing on the project in the very near future, the request is granted.

If you have any questions, please contact me at (805) 654-4761.

Sincerely,

Steven A. Fields
Operations Engineer

copy of extension letter w/ copy of this letter in each well file listed below

EXXON COMPANY, U.S.A.
POST OFFICE BOX 1600 • MIDLAND, TEXAS 79702-1600

MIDLAND PRODUCTION ORGANIZATION
OPERATIONS INTEGRITY

July 6, 1995

RECEIVED
JUL 07 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Permit Extensions
Plug & Abandon Permits
Newhall Land & Farming Lease
Los Angeles County, California

Resources Agency of California
Department of Conservation
Division of Oil and Gas, District 2
1000 South Hill Rd., Suite 116
Ventura, California 93003-4458

Attention: Mr. Steve Fields

Exxon requests a one year extension of the plug and abandon permits for wells listed in the table below. Plugging of these wells is scheduled to begin later this year.

LEASE NAME	WELL	API NO.	PERMIT NO.	EXPIRATION DATE
Newhall Land & Farming Co.	70	04-037-16529	P294-164	07/15/95
Newhall Land & Farming Co.	51	04-037-13527	P294-163	07/15/95
Newhall Land & Farming Co.	23	04-037-16494	P294-162	07/15/95
Newhall Land & Farming Co.	6	04-037-16477	P294-166	07/15/95
Newhall Land & Farming Co.	26	04-037-16497	P294-181	08/03/95
Newhall Land & Farming Co.	24	04-037-16495	P294-180	08/03/95
Newhall Land & Farming Co.	19	04-037-16490	P294-183	08/03/95

If you have any questions concerning this request, please call me at (915) 688-7875.

Sincerely,

S. Johnson

Stephen Johnson

SJJ:mym
7\casp&a.ltr

RECYCLED

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P294-162

PERMIT TO CONDUCT WELL OPERATIONS

126 (field code)
00 (area code)
-- (new pool code)
05 (old pool code)

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
July 15, 1994

Your proposal to abandon well "Newhall Land & Farming Co." 23, A.P.I. No. 037-16494, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ---------- area, 10-A pool, Los Angeles County, dated 7/11/94, received 7/13/94, has been examined in conjunction with records filed in this office.

Permit extended as per SAF 7/10/95

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOGGR Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10, 606'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   A. To witness the location and hardness of the cement plugs at 10,160' and 708'.
   B. To witness the mudding of the well.
   C. To witness the placing of cement inside the 7" casing and all annuli.
   D. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG111 (Modified 1993)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

RECEIVED
JUL 13 1994
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

FOR DIVISION USE ONLY			
		FORMS	
CARDS	BOND	OGD114	OGD121
/			

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #23 (Well designation), API No. 037-16494

Sec. 24, T. 4N, R. 13W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 8/15/94, 1994.

The present condition of the well is:

1. Total depth 12,226' Plug back T.D. 10,612'

2. Complete casing record, including plugs and perforations
(Present hole)

10 3/4" 40.5# casing @ 0'-808'
7" 23/26# casing @ 0'-10,400' WSO:10,260' perfs:10,295'-10,380'
4 1/2" 11.6# liner @ 10,390'-10,606' Slots:10,400'-10,606'

3. Last produced 1/86 14 20 214
(Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

OR

4. Last injected _____
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Upper Oil or gas shows
Zone 10-A: 10,295'

6. Stratigraphic markers:

7. Formation and age at total depth: Del Valle

8. Base of fresh water sands: 808'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1. MIRU, install and test a DOG class II BOP. RIH and clean out to the bottom of the 4 1/2" liner @ 10,606'.
2. Place class "G" cement plug from 10,606'-10,160', cementing to 100' above the top of the WSO @ 10,260' with TOC @ 10,160'.
3. Perforate the 7" casing with 4 spf @ 808'-798', pump and squeeze a class "G" cement plug to 100' above the base of freshwater @ 808' with TOC @ 708'.
4. Shoot 4 holes @ 100' in the 7" casing, pump and squeeze a class "G" cement plug from 100' to surface getting returns in casing/conductor annulus.
5. Cut off casing @ 5' and weld plate with well identifier, clean location. DOG will inspect.

- **Contact Reservoir Engineering, Isaiah Del Toro, (915) 688-6639 with any questions regarding this procedure.**

DIVISION OF OIL AND GAS
RECEIVED
FEB 5 1954
LOS ANGELES, CALIFORNIA

Form 100

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator Humble Oil & Refining Company — Field Castaic Junction

Well No. Newhall Land & Farming Co. #23 — Sec. 24, T-4-N, R-17-W, S.B.B.&M.

Location 9855 feet East and 2958 feet South of Corner 11, Rancho San Francisco — Elevation above sea level 1236 feet. All depth measurements taken from top of Rotary Drive Bushing which is 12 feet above ground.

Date January 15, 1954

Geologist

District Superintendent

Commenced drilling 9-20-53 Completed drilling 12-15-53 Drilling tools Rotary

Total depth 12,226 Plugged depth 10,602

GEOLOGICAL MARKERS	DEPTH
Top of Miocene (E Log)	8935

Junk None

Commenced producing 12-13-53 - pumping

	Clean Oil Bbl. per day	Gravity	Percent Water	Gas MCF Day	Tubing Pressure	Casing Pressure
Initial production	148	19.0	4	54	13-74" Strokes per minute	-

CASING RECORD

Size Casing	Depth Shoe	Top of Casing	Weight	New Used	Seamless Lapweld	Grade	Size Hole	Sacks Cement
10-3/4	808	16	40.5	New	SS	J-55	16	660
7	10400	14	23,26 & 29	New	SS	N-80 & S-95	9-7/8	350

PERFORATIONS

Size Casing	From	To	Size of Perforations	Number Rows	Distance Centers	Method of Perforations
7	10260	10261	4-1/2" shots	--	--	Bullet
7	10380	10295	510-1/2" shots	--	--	Bullet

Electrical Log Depths 10732, 11881, 12164 & 12225

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

December 16, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 25, A.P.I. No. 037-16496, Section 24, T. 4N, R. 17W, S.B. B.& M., Castaic Junction field, Los Angeles County, dated May 20, 1993, received March 14, 1994, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

svl

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

cc: Conservation Committee
Update

OPERATOR
WELL NO.
MAP

INTENTION						
NOTICE DATED	6-15-93					
P-REPORT NUMBER						
CHECKED BY/DATE						
MAP LETTER DATED	9-03					
SYMBOL	+					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE												
HISTORY	7-14-93											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
EBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV						
SIGNATURE	✓					
SURFACE INSP.						
DRILL CARD						

RECORD'S COMPLETE _____ _____ _____ _____ _____ _____

FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

INJECTION BOOK _____
IDLE WELL LIST _____
SURFACE INSP. CARD _____

REMARKS: _____

OK TO RELEASE FROM CONFIDENTIAL _____
ABANDONED-REMOVED FROM E.D.P. _____

RECEIVED
MAR 14 1994
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junctio County Los Angeles
Well Newhall Land & Farming Co. 25 Sec. 24, T 4N, R 17W S.B. B. & M.
A.P.I. No. 037-16496 Name Judy Bagwell (Person submitting report) Title Sr. Staff Office As (President, Secretary or Agent)
Date May 20, 19 93

Signature Judy Bagwell

Environmental & Regulatory Affairs, P. O. Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

04-27-93 Spot rig, tanks, BOP and BOE. Haul 500 bbl lease water.

04-28-93 Check well, casing 40 psi, tubing 75 psi. Rig up Lee Archer slick liner. Attempt to install 2.5 tubing plug, could not get into tubing. Rig up pump. Pump 350 bbl down tubing at 700#. Well dead. Attempt to break wellhead bolts. Rig up Terry's Wellhead Service. Cut four bolts. Close in well.

04-29-93 Check well, no pressure. Continue breaking and cutting wellhead bolts. Unland tubing. Remove prod tree. Install class III BOP. Rig up BOE. Rig up working floor and tubing equipment. Unland tubing. Release anchor and seal assembly. POOH. Close in well.

04-30-93 Check well, no pressure. Continue POOH with 2.875 cs hydril tubing. Pull 75 stands. Found holes in tubing. Tubing very scaly and corrosive. Lay down 180 joints. Close in well.

05-01-93
through
05-02-93 No well work.

05-03-93 Check well, no pressure. Open well, continue laying down 2.875 cs hydril tubing. Lay down 20 joints, bottom joint plugged with scale. RIH with 75 stands 2.875 tubing. POOH, laying down on trailer. Lay down 130 joints.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No. T293-099

REPORT ON OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
May 20, 1993

Your operations at well "Newhall Land & Farming Co." 25, API No. 037-16496, Sec. 24, T. 4 N, R. 17 W, S.B.B.&M. Castaic Junction Field, in Ventura County, were witnessed on 5-17-93. Fariba Neese, representative of the supervisor, was present from 0700 to 0930. There were also present Ken Kennedy, Pool Inc. Tollpusher.

Present condition of well: 10 3/4" cem 781'; 7" cem 9635', perf 210'-211', 765'-785'; perf & sqz 9580'. TD 9750'. Plugged w/cem 9658'-3928', 788'-628', 217'-surface.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

PK:FN:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

0G109

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

T293099

Operator Exxon Company USA **Well No.** "W L & F" #25
API No. 037-16196 **Sec.** 24, **T.** 4, **R.** 17, **S.B.** B&M
Field Castaic Junction, **County** Ventura. **On** May 17, 1993,
Mr./Ms. Forrest Hunt, representative of the supervisor, was present from 0700 to [illegible].
There were also present [illegible]

Casing record of well: 10 3/4" cem. 381'; 7" cem. 4385' Perf 210-211' 785-785'; Perf 958'
T.D. 6750'. Plugs w/cem 3658-3928', 788-628', 217-surface.

The operations were performed for the purpose of abandonment

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: 7 " shot/cut at [illegible]', [illegible]', _____' pulled fr. _____';
_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. **Witnessed by** _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.7 PPG	5/14	110 BBL	3928	-	@ 765'	rpt
9.7	5/14	46	765	-	@ Surface	rpt
					Sample	

Cement @ 9158'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
5/14	100 ft3	EOT @ 6750'	-	rpt	6750'	5K #	5/15 0730	FMH
5/17	151 ft3	EOT @ 4350'	-	rpt	4350'	5K #	5/17 0800	FMH
5/17	85 ft3	EOT @ 3928'	-	rpt	3928'	5K #	5/17 rpt	
5/16	99 ft3	EOT @ 788'	-	rpt	628'	5K #	5/17 0700	FMH
5/17	104 ft3	EOT @ 217'	0830	FMH	Surface	Returns	5/17 0900	FMH

INSP. SURFACE PLUG 5-20-93 S.P.M. OK

EXXON COMPANY, U.S.A.
POST OFFICE BOX 5025 • THOUSAND OAKS, CALIFORNIA 91359-5025 • (805) 494-2000

PRODUCTION DEPARTMENT
WESTERN DIVISION

JUL 1 1992

VENTURA, CALIFORNIA

June 30, 1992

Steve Fields
Engineer, District 2
California Department of Conservation
Division of Oil and Gas
1000 S. Hill Road, Suite 116
Ventura, CA 93003

Dear Steve,

We have submitted 9 Notices of Intention to Abandon Well which need correcting.

In the process of actually abandoning the wells at Castaic, we have learned that cementing to surface from the base of fresh water doesn't work well as a standard procedure. We therefore propose, for permitting purposes, that we revert to the conventional 100' plug above the BOFW, mudding to 100' below surface, and then cementing from 100' to surface. (All of the cement plugs are both inside and outside the production casing).

The wells that will be affected for Castaic Junction Field are: Newhall Corporation #1, NL&F #16, 20, 22, 25, 28, 32, 38, and 72.

If you have any questions, you may reach me at (805) 494-2139. Thank you for your cooperation.

Sincerely,

Jeffrey L. Denney
Project Engineer

JLD\dy
MrFields.Ltr

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-176
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 05

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
June 29, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 25, A.P.I. No. 037-16496, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ------- area, 10-A pool, Los Angeles County, dated 6/18/92, received 6/23/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 9750'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 9480'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:tkc

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	—	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. NL&F #25 (Well designation), API No. 037 - 16496

Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19 ___.

The present condition of the well is:

1. Total depth 9750'

2. Complete casing record, including plugs and perforations
   10-3/4" 40.5# J-55 Casing 0' - 781'
   7", 26#, & 29# casing 0' - 9635'
   - WSO holes @ 9580' (squeezed)
   9-7/8" open hole completion 9635' - 9750'

3. Last produced _____ (Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

   OR

4. Last injected 1974 600 ---- ---- (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost productive zone:
   Top of 10 Sand: 9635'
   Base of 10 Sand: 9750'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 771'

The proposed work is as follows:

1. MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out to TD at 9750'.
3. Place class "G" cement plug (w/40% silica) from 9750' to 9380'. D.O.G. to witness placement and tag.
4. Place 9.62 ppg mud from TOC to 775'.
5. Shoot 20', 4 spf strip shot at 775'. Squeeze class "G" cement plug (w/$CaCl_2$) from 775' to surface getting returns in casing/conductor annulus. D.O.G. to witness set of plug.
6. Cut off casing @ 5' and weld plate with well identifier.
7. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 225 W. Hillcrest Drive (Street)
Thousand Oaks, CA 91360 (City) (State) (Zip)
Telephone Number 805-494-2000

Exxon Company, USA (Name of Operator)
By R. W. Romere (Name-Printed)
R W Romere 6-17-92 (Name-Signature) (Date)
Type of Organization Corporation

NLF25ABD.DOG

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

November 8, 1995

Exxon Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 26,

A.P.I. No. 037-16497, Section 24, T. 4N, R. 17W, S.B. B.& M.,

Castaic Junction field, Los Angeles County,

dated 08-08-95, received 09-22-95, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

William F. Guerard, Jr
State Oil and Gas Supervisor

svl

By
Patrick J. Kinnear
Deputy Supervisor

Modified OG159 (4/94)

OPERATOR Exxon Corp. A.P.I. 037-16497

WELL NO. "Newhall Land & Farming Co" 26 SECTION 24, T. 4 N, R. 17 W

MAP

INTENTION	Abandon					
NOTICE DATED	7-27-94					
P-REPORT NUMBER	P294-181					
CHECKED BY/DATE						
MAP LETTER DATED	11/1/95					
SYMBOL	-#-					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NE
NOTICE	7-27-94											
HISTORY	9-22-95											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	9/7/95 FMN					
DRILL CARD						

RECORD'S COMPLETE FMN 9/22/95

FINAL LETTER OK

MAILED

RELEASED BOND

INJECTION BOOK

IDLE WELL LIST

SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL

ABANDONED-REMOVED FROM E.D.P.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
SEP 22 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 26, Sec. 24, T 4N, R 17W, S.B. B. & M.

A.P.I. No. 0403716497 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 08/08, 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrillir or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amoun of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

07/10/95
MIRU. INSTALL AND TEST RIG ANCHORS. NOTIFIED STEVE FIELDS, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, AND CAPT MIKE LEE, LOS ANGELES COUNTY FIRE DEPARTMENT. SPOT RIG MAT, SPOT RIG. CHECK WELL PRESSURE TBG 20#, CSG 820# BLEED TBG. MIRU, GUIDE RIG OUT FULLY. SPOT PUMP AND BAKER TANK. SPOT TRAILERS. RIG FOR RODS. WORK PUMP LOOSE. RIG UP WORK FLOOR. POOH WITH RODS AND PUMP. LAYING DOWN 10 7/8 INCH RODS. FOUND HEAVY WAX ON RODS. PICK UP POLISH ROD CLOSE WELL.

07/11/95
SERVICE RIG AND EQUIP CHECK WELL TBG 0#, CSG 820# BLEED TBG. RIH WITH 9 7/8 INCH RODS. RIG UP HOT OIL TRUCK TEST LINES TO 250# LOW AND 2500# HIGH. PUMP 75 BBL HOT WATER DOWN TBG @ 200#. RIG OUT HOT OIL TRUCK. SPOT BOPE AND MANIFOLD POOH LAYING DOWN 111 7/8 INCH RODS AND 188 3/4 INCH RODS ON TRAILER RIGGING FOR TBG. RIG KILL LINE TO BAKER TANK. RIG TO KILL WELL.

07/12/95
SERVICE WELL AND EQUIP. CHECK WELL TBG 0#, CSG 50#. RIG UP PUMP TO KILL WELL PUMP 50 BBLS DOWN TBG CSG FLOWING, CONT PUMPING @ 400# AND 150# ON CSG CHOKE - CIRC 450# TOTAL. OPEN WELL, LAYING DEAD. OPEN CELLAR. MAKE OUT ENTRY PERMIT. NIPPLE DOWN PROD TREE. NIPPLE UP CLASS II BOP AND TEST. RIG UP WORKFLOOR AND TBG EQUIP. MEASURE OUT OF HOLE CLOSE WELL IN.

07/13/95
SERVICE WELL AND EQUIPMENT. CHECK WELL (NO PRESSURE). OPEN WELL POOH WITH 2.875 INCH PRODUCTION STRING. FILL WELL WITH 20 BBLS LEASE WATER LAY DOWN ANCHOR AND DRAIN & 3.5 INCH GAS ANCHOR. MAKE UP 2.875 SAW TOOTH COLLAR RIH WITH 240 JTS 2.875 INCH TBG. CLOSE WELL IN.

07/14/95
SERVICE RIG AND EQUIPMENT. CHECK WELL NO PRESSURE. CONT RIH WITH 2.875 INCH TBG, 80 JTS RIG TO PICK UP TBG, 8 JTS 2.875 INCH N-80 WORK STRING TAG FILL @ 9886 FT. RIG UP TO CLEAN OUT FILL. REVERSE CIRCULATE WELL CLEAN. ATTEMPT TO CIRCULATE FILL OUT, VERY HARD. RIG UP POWER SWIVEL ATTEMPT TO CLEAN OUT FILL COULD NOT MAKE HOLE. LAY DOWN SWIVEL POOH W/20+0 2.875 TBG. CLOSE IN WELL. LOCK RAMS.

07/17/95
CHECK WELL, NO PRESSURE. OPEN WELL, CONT POOH WITH 2.875 C-S HYDRILL TBG. BREAK OUT S.T.C. MAKE UP 3 INCH BAKER LOCATOR WITH 3 SETS OF SEALS. RIH, STAB IN BAKER N. PACKER @ 9886 FT. PULL OUT AND RESTAB, SLACK OFF 20 K PRESSURE CSG TO 200#. RIG UP BJ, TEST LINES 300# LOW AND 3000# HIGH. FILL TBG WITH 5 BBLS LEASE WATER ESTABLISH BREAK DOWN @ 1000# 2.8 BPM. MIX AND PUMP 231 CU FT, 201 SXS CLASS G CEMENT WITH 5% CD-32, 2% R-8 AND MAX #1500 4 BPM. LOCK UP AFTER 68 SX 365 L/F BELOW PACKER @ 1700 FT 0 BPM BLEED OFF TBG AND CSG. PULL OUT OF PKR DISPLACE 26 MORE BBL OF LEASE WATER TOTAL DISPLACEMENT 59 BBLS. RIG OUT BJ PULL

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
SEP 22 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 26 , Sec. 24 , T 4N , R 17W , S.B. B. & M.

A.P.I. No. 0403716497 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 08/08 , 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrillir or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amoun of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

REPORT CONTINUED: PAGE 2 OF 3

07/17/95
20+0 TO 8646 REVERSE CIRC 59 BBL. CLOSE IN WELL. STEVE FIELDS, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, GAVE VERBAL APPROVAL ON PUMPING CMT THRU THE PKR @ 9886 AND PLACING 100 L/F ABOVE PACKER EST TOC @ 9181 FT 365 L/F BELOW PACKER AND 710 L/F ABOVE PACKER = 41 BBL SLURRY.

07/18/95
SERVICE RIG AND EQUIPMENT. LOAD OUT SWIVEL, MOVE TBG TRAILERS. RIH TAG CMT @ 9123 FT. RIG UP BJ SERVICES PUMP 80 BBLS 9.7 PPG P&A MUD AND DISPLACE WITH 43 BBL L/W. POOH LAY DOWN 86 JTS 2.875 INCH C-S HYDRILL. RIG UP BJ TEST LINES 300 LOW, 3000 HIGH. MIX & PUMP 32 CU FT, 28 SX CLASS G CEMENT WITH 5% CD-32 DISPLACE WITH 42 BBLS LEASE WATER. RIG ... T BJ PULL 10+0 TO 6680 FT REVERSE CIRC OUT 41 BBLS LEASE WATER. CLOSE I WELL. STEPHEN MULQUEEN, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, WITNESSED TAG @ 9123 FT, 7-18-95 AND 80 BBL 9.7 PPG MUD. TEST CSG 500#.

07/19/95
SERVICE RIG AND EQUIPMENT. OPEN WELL, NO PRESSURE. RIG TO 7332 FT. NO CEMENT, PULL TO 7301 FT REVERSE OUT. FOUND SMALL AMOUNTS OF CEMENT AND MUD. RIG UP BJ TEST LINES 300# LOW AND 3000# HIGH. PUMP 15 BBL F/W AHEAD. MIX AND PUMP 32 CU FT 28 SX CLASS G CMT @ 1000# MAX DISPLACE WITH 42.5 BBLS LEASE WATER. RIG OUT BJ. POOH WITH 10+0 TO 6680 REVERSE CIRCULATE 50 BBL WAIT ON CMT 3 HOURS. RIH, TAG CMT @ 7115. RIG UP BJ, TEST LINES 300# LOW, 3000# HIGH. PUMP 90 BBL 9.7 PPG P&A MUD DISPLACE 28 BBLS L/W. RIG OUT BJ. POOH LAYING DOWN 2.875 INCH HYDRILL TBG LAY DOWN 83 JTS. CLOSE IN WELL. STEVE MULQUEEN, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, GAVE VERBAL APPROVAL ON TAGGING OF CEMENT @ 7115 FT AND MUDDING WELL FROM 7115 TO 4800.

07/20/95
SERVICE RIG AND EQUIPMENT. CHECK WELL, NO PRESSURE. REVERSE CIRCULATE WELL. LAY DOWN 4 JTS TBG TAIL @ 4698 FT. FILL OUT ENTRY PERMIT TO ENTER CELLAR. CHECK 10.75 INCH SURFACE CSG (NO PRESSURE), INSTALL VALVE ABOVE CELLAR. RIG UP TIGER WIRELINE. RIH W/2.5 SHOTS 10 FT 40 SHOTS. LOCATE TBG TAIL @ 4698 FT LOWER 102 FT SHOOT HOLES FROM 4800 FT TO 4790 FT. POOH, RIG OUT WIRELINE. RIH W/4 JTS TBG, TAIL @ 4822 FT. RIG UP BJ ATTEMPT TO BREAK DOWN BETWEEN 7 FT CSG AND 9.875 INCH OPEN HOLE NO BREAKDOWN @ 1000#. PUMP 15 BBL AHEAD F/W. MIX AND PUMP 58 CU FT 50 SX CLASS G CMT @ 1300# DISPLACE W/27 BBL LEASE WATER. POOH W/10+0 620 FT TAIL @ 4202 REVERSE CIRCULATE PRESSURE 1000#. CLOSE WELL IN. PETE WIEGLER, CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES APPROVED USING THRU TBG GUNS FOR PERFORATIONS @ 4800 TO 4790.

07/21/95
DTL, SERVICE RIG AND EQUIP. OPEN WELL. TBG PSI 300#, BLEED WELL. RIH,

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
SEP 22 1995
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

HISTORY OF OIL OR GAS WELL

Operator EXXON CORP. Field CASTAIC JUNCTION County LOS ANGELES

Well NEWHALL LAND & FARMING CO. 26 , Sec. 24 , T 4N , R 17W , S.B. B. & M.

A.P.I. No. 0403716497 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 08/08 , 19 95

Signature Julie H. Mitchell

ATTN: REGULATORY AFFAIRS ML#14
P. O. BOX 1600 MIDLAND, TX 79702 (Address) (915) 688-7888 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

REPORT CONTINUED: PAGE 3 OF 3

07/21/95
TAG PLUG @ 4590 FT. RIG UP BJ PUMP 145 BBL 9.7 PPG P&A MUD. DISPLACE WITH 5 BBLS LEASE WATER. POOH LAY DOWN 132 JTS 2.875 CS HYDRILL TBG STAND BACK 13+0 RIG UP TIGER WIRELINE. FILL WELL WITH LEASE WATER. HELD SAFETY MTG. RIH W/4 INCH GUNS. SHOOT 20 FT OF HOLE, 80 SHOTS FROM 768 - 788 FT. POOH WITH WIRELINE. RIH WITH 2.875 INCH TBG RIG UP BJ. FILL 7 INCH AND 10.75 INCH ANNULUS. MIX AND PUMP 362 SX 314 CU FT CLASS G CEMENT WITH 2% C.C. FILL UP 7 AND 10.75 CSG. POOH, LAY DOWN 26 JTS. TOP FILL 7 INCH CSG WITH 6 SX CEMENT. CLEAN BOPE, CLOSE IN WELL. CALIFORNIA DIVISION OF OIL AND GAS, STEPHEN MULQUEEN, WITNESSED PLACEMENT OF 362 SX CEMENT FROM 818 FT TO SURFACE IN 7 INCH AND 10.75 INCH CSG, ALSO WITNESSED SHOOTING OF HOLES FROM 768 - 788 FT. 20 FT 80 SHOTS.

07/24/95
RDMO.

WELL IS PLUGGED TO SURFACE.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
August 1, 1995

Your operations at well "Newhall Land & Farming Co." 26, API No. 037-16497, Sec. 24, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 7-21-95. Steve Mulqueen, representative of the supervisor, was present from 1100 to 1530. There were also present John Dean, Foreman

Present condition of well: 10 3/4" cem 778'; 7" cem 11,075', cp 768' & 4790', perf 9890' WSO, perfs 9920'-10,115'. TD (present hole) 11,727'. Plugged w/cem 11,727'-10,804', retainer @ 10,804' plugged 10,804'-10,750', plugged w/ 78 cf of cem below packer @ 9886', plugged w/cem 9886'-9123', 7303'-7115', 4822'-4590' & 768'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

VISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

81 T295-12

CEMENTING/PLUGGING MEMO

Operator EXXON CORP. Well No. "Newhall Land & Farming Co." c
API No. 037 - 16497 Sec. 24, T. 4N, R. 17W, SE B&M
Field CASTAIC JUNCTION, County LOS ANGELES. On 7-21-95,
Mr. / Ms. STEVE MULQUEEN, representative of the supervisor, was present from 1100 to 1530.
There were also present JOHN DEAN, FOREMAN
Casing record of well: 10 3/4" cem 778'; 7" cem 11075', cp 768' & 4790', perf 9890' 1150, perfs 9920' - 10115'. TD (present hole) 11787'. Plugged w/ cem 11787' - 10804', retainer @ 10804', plugged 10804' - 10750', plugged
The operations were performed for the purpose of ABANDONMENT
w/ 78 cf of cem below packer @ 9886', plugged w/ cem 9886' - 9123', 7303' - 7115', 4822' - 4590' & 768' - 5'.

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' are approved.

Hole size: _____" fr. _____' to _____'; _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
					PKR @ 9886'				78 cf	1700#	TOP PERF @ 9920'
7" x 9 5/8"				7-20	TBG @ 4822	58 cf	—	4590'	0	1300#	4790' - 4600'
				7-21	TBG @ 768'	360 sx	5'	5'	100 cf ±	100#	768' - 788'

PACKER @ 9886', SD @ 1000# / 12.8 PPG MW

Casing/tubing recovered: 10 3/4" shot/cut at 4790' TO 4800', _____' pulled fr. _____';
_____" shot/cut at 768' TO 788', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	bbls.	Displaced TBG @	Poured	Fill	Engr.
9.7 ± / g CLAY GEL	7-18-95	80	9123'	—	7300' ±	SPM
"	7-19-95	90	7115'	—	4800' ±	"
"	7-21-95	145	4590'	—	800' ±	"

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
7-17	231 cf	PACKER @ 9886'	5:00	REP.	9123'	10K	7/18 0900	SPM
7-20	58 cf	TBG @ 4822'	—	"	4590'			REP.
	32 cf	TBG @ 7303'	—	"	7115'			"
7-21	360 sx	PUMPED DN CASING	—	SPM	6'	SURFACE	7/21 1530	SPM

& Drilling Fluids, Inc.

MIDWAY

P.O. Box 400 • Phone (805) 763-1548 Bakersfield
Fellows, CA 93224 (916) 662-6459 Woodland

DATE 1-18 19 25 DEPTH

API WELL NO.	STATE	COUNTY	WELL	S/T

OPERATOR: EXXON
ADDRESS: Bkfd
REPORT FOR: JOHN/STEVE

CONTRACTOR: Pool Prod
ADDRESS: Rig
REPORT FOR MR.

RIG. NO.
SPUD DATE
SECTION, TOWNSHIP, RANGE

WELL NAME AND NO.: "N.L.&F." 26
FIELD OR BLOCK NO.: CASTAIC
COUNTY, PARISH, OR OFFSHORE AREA: LA
STATE PROVINCE: CA

OPERATION	CASING	MUD VOLUME (BBL)	CIRCULATION DATA
PRESENT ACTIVITY	SURFACE IN. AT FT.	HOLE / PITS	PUMP SIZE X IN. / ANNULAR VEL. (FT./MIN.)
BIT SIZE (IN.) / NO.	INTERMEDIATE IN. AT FT.	TOTAL CIRCULATING VOLUME	PUMP MAKE / OPPOSITE DP / OPPOSITE COLLAR
DRILL PIPE SIZE / TYPE	PRODUCTION OR LINER IN. AT FT.	IN STORAGE / WEIGHT	MODEL / BBL. STROKE / STROKE/MIN. / CIRCULATING PRESSURE PSI
DRILL COLLAR SIZE / LENGTH	MUD TYPE: ABANDONMENT		BBL. MIN. / GPM / BOTTOMS UP (MIN.) / SYSTEM TOTAL (MIN.)

Sample from ☐ Flowline ☐ Pit
Flowline Temperature °F

MUD PROPERTIES			
Time Sample Taken			
Depth (ft.)			
Weight X (ppg) ☐ (lb/cu ft)	9.6		
Mud Gradient (psi/ft)	.499		
Funnel Viscosity (sec/qt) API at °F	69		
Plastic Viscosity cp at °F	10		
Yield Point (lb/100 sq ft)	38		
Gel Strength (lb/100 sq ft) 10 sec/10 min	19/28	/	/
pH ☐ Strip ☐ Meter	7.8		
Filtrate API (ml/30 min)	NC		
API HP HT Filtrate (ml/30 min) at °F	—		
Cake Thickness 32nd in API ☐ HTHP ☐	3/32		
Alkalinity, Mud (Pm)			
Alkalinity, Filtrate Pf/Mf)	/	/	/
Salt ☐ ppm ☐ gpg Chloride ☐ ppm ☐ gpg			
Calcium ☐ ppm ☐ Gyp ppb			
Sand Content (% by Vol)			
Solids Content (% by Vol)			
Oil Content (% by Vol)			
Water Content (% by Vol)			
Methylene Blue Capacity (ml/ml Mud)			

EQUIPMENT

	SIZE	HRS TOUR		SIZE	HRS TOUR
Centrifuge			Desilter		
Degasser			Shaker		
Desander			Other		

DAILY COST
CUMULATIVE COST

MUD PROPERTIES SPECIFICATIONS

WEIGHT	VISCOSITY	FILTRATE

BY AUTHORITY ☐ OPERATOR'S WRITTEN ☐ OPERATOR'S REPRESENTATIVE ☐ DRILLING CONTRACTOR ☐ OTHER

RECOMMENDED TOUR TREATMENT

ABANDONMENT

MUD

500 BBL

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
April 13, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 27, A.P.I. No. 037-16498, Section 13, T. 4N, R. 17W, SB B.&M., Castaic Junction field, Los Angeles County, dated June 30, 1993, received July 7, 1993, has been examined in conjunction with operations witnessed and records filed in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
State Oil and Gas Supervisor

By Patrick J. Zinnear
Patrick J. Zinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR EXXON CORP
WELL NO. "N.L. & F" 27
MAP

A.P.I. 037-16498
SECTION 24, T. 4 N, R. 17 W

INTENTION	ABANDON					
NOTICE DATED	6-30-93					
P-REPORT NUMBER	293-217					
CHECKED BY/DATE						
MAP LETTER DATED	6-30-93					
SYMBOL	+					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	7-7-93											
HISTORY	7-23-93											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	2/19/96 FMN					
DRILL CARD						

RECORD'S COMPLETE 2/19/96 FMN

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

T 29N-5W

Operator Exxon Corp. Well No. "Newhall Land & Farming Co" 3
API No. 037-16499 Sec. 24, T. 4N, R. 17W, SB B&M
Field Castaic Jct, County LA. On November 16, 1993
Mr./Ms. R. Wygle, representative of the supervisor, was present from 0800 to 0900
There were also present C. Ballard operator's rep.

CASING RECORD OF WELL: 10-3/4" cem 783'; 7" cem 12,300', perf 10,160' w60, perf 102'-110' & 763'-783', perf & intv 10,226 -10,445 perf & sqz 10,600', perf & intv 11,996'-12,045', perf 12,050 -12,137' (sqz off), TD 12,240', Junk top w/tbg @ 11,579', Plugged w/cem 11,579 -9904', 783'-636', & 210 -5'.

The operations were performed for the purpose of abandonment

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @_____' is approved.

Hole size:_____" fr._____' to_____', _____" to_____' & _____" to_____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing ~~recovered~~: 4 kgs
2" shot/cut at 11,539', _____', _____' pulled fr._____';
_____" shot/cut at_____', _____', _____' pulled fr._____'.

Junk (in hole): Top bottom 11,579'

Hole fluid (bailed to) at_____'. Witnessed by_____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.8 ppg	11-16-93	400	Top 9300'	—		

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
11-16	408 cf	Top @ 11,579	—	[illegible]	9904	8.8 ppg	11-16 [illegible]	[illegible]
11-16	100 cf	✓ 793	—	✓	636	Wt. of tbg	[illegible]	[illegible]
11-16	121 cf	✓ 210	—	✓	✓	✓	[illegible]	[illegible]

OGD10 (10/90/GSR1/5M)

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

RECEIVED
VENTURA, CALIFORNIA

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Co. #27, Sec. 24, T. 4N., R. 17W., S.B.B. & M.
A.P.I. No. 037-16498 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assist. (President, Secretary or Agent)
Date December 7, 1993.

Signature Julie H. Mitchell

Regulatory and Environmental Affairs, PO Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
11/08/93	Rig up pump and choke manifold. Open well (60 psi tubing, 40 psi casing). Well would not bleed down. Used lease water to kill well. Rig up slick line. Set tubing plug @ 300 feet. Remove tree. Install and test BOP. Pull tubing plug. Rig up working floor. Work stuck packer, unable to get loose. Secure well.
11/09/93	Open well. Work stuck packer for 2 hours. Would not come loose. Change well over to lease water. Reverse circulating got approximately 100 barrels clabbered mud in returns. After changing over, attempt to work packer loose with no success. Attempt to release left hand joint on packer with no success. Secure well pending of Dia-Log.
11/10/93	Open well. Rig up Dia-Log. Ran free point. Found tubing totally free @ 10997 feet, partially stuck to 11220 and completely stuck @ 11220 feet. Ran chemical cutter. Cut tubing @ 11600 feet. Rig out Dia-Log. Pulled 24 stands. Secure well.
11/11/93	Open well. Attempt to circulate. Pressured up, successfully reversed. Pull and measure tubing, filling hole every 24 stands, 12 foot piece of tubing on bottom. Laid down mandrels and packer. Ran in hole with 59 stands. Closed well in. Secure location. Steve Field, Div of Oil and Gas, approved cementing bottom plug from 11600 to 10068 feet.

11/12/93 Open well, continue run in hole, tag top of shot of tubing @ 11579 feet. Pulled up 10 feet, back scuttle hole clean until cementers arrive. Rig up cementers. Low pressure test @ 250, high @ 4000. Mixed and pumped 154 cubic feet, 95.5 sacks class G cement + 40% Silica Flour, + .5% HR-7 + .5% CFR-3. Displaced with 60 barrels water. Pull out of hole with 25 stands tubing. Reverse circulate tubing clean. Close well in. Secure location.

11/13/93 Open well, ran in hole to tag top of cement @ 11184 feet. Pulled up 1 joint. Reverse circulate well clean. Rig up cementers, lines test all right. Mix and pump 154 cubic feet, 95 sacks cement @ 11174. Pull out of hole with 16 stands to 10182 feet. Reverse circulate tubing clean, pull 5 more stands, waiting on cement, secure location.

11/15/93 Open well, continue running in hole to tag top of cement @ 10442. Rig up Halliburton, test lines. Mix and pump 62 sacks, 1.62 yield cement blended with 40% SSA, .75% CFR-3 and .15% HR-7. Displaced with 55 barrels. Pulled to 9686 feet. Reversed around twice. Pulled to 9356. Secure well. Calculated top of cement 9900.

11/16/93 Open well. Ran in hole, tag top of cement @ 9904 feet. Test casing to 500 psi for 10 minutes, good hold. Changed well over to 9.8 p.p.g. mud, pumped 75 barrels. Pull and lay down 7000 feet of tubing. Secure well. Peter R. Wygle, Div of Oil and Gas, witnessed and approved top of cement @ 9904, casing testing and 75 barrels 9.8 mud.

11/17/93 Pull and lay down 5000 feet of 2-7/8 inch tubing. Fill hole with mud. Rig up MMI. Shot 80 holes between 7 inch and 10-3/4 inch from 763 to 783 feet. Rig out MMI. Ran in hole with tubing to 793 feet. Rig up Halliburton, test lines. Mix and pumped 87 sacks class G cement with 2% CACL2. Displace with 3-1/2 barrels. Rig out Halliburton. Rig up MMI, shot 8 holes from 110 to 102 feet. Broke circulation. Rig out MMI, secure well.

11/18/93 Open well, top of cement @ 635 feet. Steve Fields, Div of Oil and Gas, waived witnessing tag and surface plug. Ran in hole to 210 feet. Rig up Halliburton. Mix and pump 105 sacks, neat cement from 210 feet to surface in 10-3/4 and 7 inch casing. Rig out Halliburton and all equipment. Rig down move off.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

NO. T294-54

Report on Operations

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
February 17, 1994

Your operations at well "Newhall Land & Farming Co." 27, API No. 037-16498, Sec. 24, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 11-16-93. Pete Wyple, representative of the supervisor, was present from 0800 to 0900. There were also present C. Ballard, Operator's Rep.

Present condition of well: 10 3/4" cem 783'; 7" cem 12,300', perf 10,160' WSO, perf 102'-110' & 763'-783', perf @ ints 10,226'-10,445', perf & sqz 10,600', perf @ ints 11,996'-12,045', perf 12,050'-12,137' (cem off). TD 12,343'. Junk: tbg w/top @ 11,579'. Plugged w/cem 11,579'-9904', 793'-636', & 210'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

SCV

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No. P293-217
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 25

PERMIT TO CONDUCT WELL OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
July 8, 1993

Your proposal to abandon well "Newhall Land & Farming Co." 27, A.P.I. No. 037-16498, Section 24, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, --- area, Main pool, Los Angeles County, dated 6-30-93, received 7-7-93, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 12,137'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. The cement plug proposed to be placed from 12,137' to 10,126' extends from 12,137' to at least 10,060.
6. This office shall be consulted before deviating from the proposed abandonment program.

Continued on Page 2

Blanket Bond
PK:SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

NOTICE OF INTENTION TO ABANDON WELL

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	BB	7-7-93	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall L & F Co # 27 (Well designation), API No. 037-16498

Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 7/15, 1993.

The present condition of the well is:

1. Total depth 12,343'

2. Complete casing record, including plugs and perforations
   10 3/4" 40.5# casing @ 0'-783'
   7" 29/32/35# casing @ 0'-12,300' perfs:10,226'-12,137'
   Plug back T.D. 12,278'

3. Last produced 9/79 (Date) 9 (Oil, B/D) 0 (Water, B/D) 388 (Gas, Mcf/D)

   OR

4. Last injected _____ (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional Data for dry hole (show depths)

5. Uppermost oil or gas shows

   Top of Zone 15 : 10,226'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 783'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1 MIRU. Install and test a DOG class II 5M BOPE.
2. Clean to the bottom of the P.B.T.D. 7" casing @ 12,278'.
3. Place class "G" cement plug from 12,278'-10,126' cementing to 100' above the top perf in the 7" casing @ 10,226', with TOC @ 10,126'. DOG to witness.
4. Shoot 4 SPF in the 7" casing @ 783'to 773' and place a class "G" cement plug from 783' to 683', squeezing the 7" x 10 3/4" annulus. DOG to witness.
5. Shoot 4 holes in the 7" casing @ 100' and circulate a class "G" cement plug from 100' to the surface getting returns in the casing/conductor annulus. DOG to witness.
6. Cut of casing @ 5' and weld plate with well identifier.
7. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

Address 25 Desta Drive P.O. Box 1600 (Street)
Midland, Tx. 79702 (City) (State) (Zip)
Telephone Number 915-688-7888

Exxon Corporation (Name of Operator)
By Stephen Johnson (Name-Printed)
D. Johnson (Name-Signature) 6/29/93 (Date)
Type of Organization Corporation

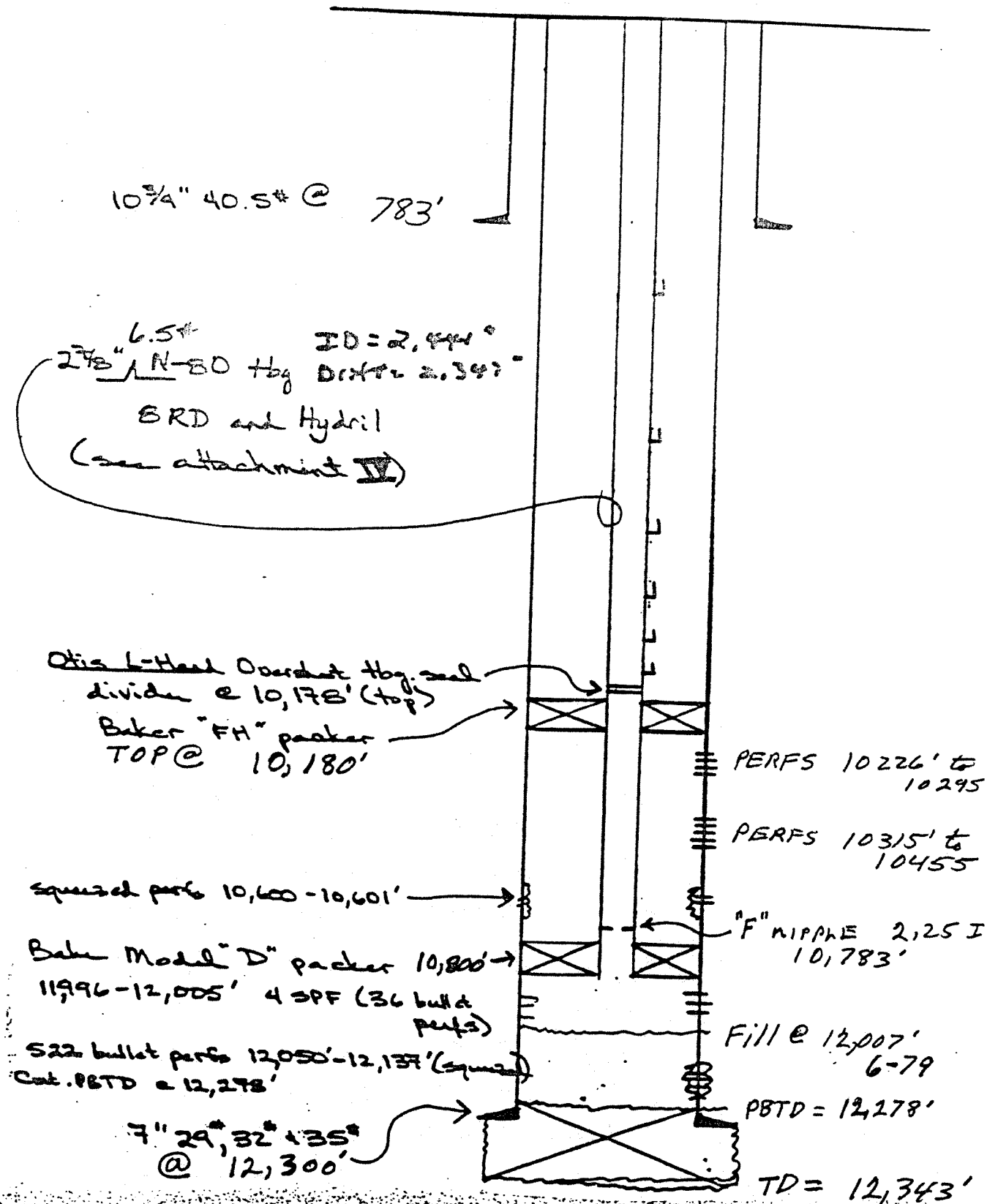
OG108

NLH 27

KB = 12.5' above CHF

DM

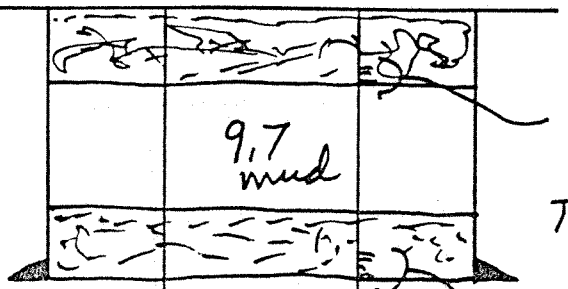
BEFORE RLA



NL&F 27

DM

AFTER P&A



cut off 5' below ground

4SPF @ 100' +/-

TOC = 753'

10¾", 40.5# @ 783'

20' of 4SPF from 763-783'

9.7
MUD

TOP of BHP = 10126'

PERFS 10226 – 10295'

PERFS 10315 – 10455'

PERFS 10,600 – 10,601'

BAKER "D" @ 10,800'

PERFS 11,996' to 12,005'

PERFS 12,050 – 12,137' SQZD

PBTD = 12,278'

7"; 29, 32, 35# ~~abc~~ @ 12,300'

TD = 12,343'

42 381 50 SHEETS 5 SQUARE
42 382 100 SHEETS 5 SQUARE
42 389 200 SHEETS 5 SQUARE

10 3/4", 40.5# casing @ 0'-783'
7" 29/32/35# casing @ 0'-12,300' perfs:10,226'-12,137'
Plug back T.D. 12,278'

SAFETY
Conduct a safety meeting to instruct all personnel on possible hazards in the area. At least 20# of dry chemical is to be on location, as a minumum, for fire fighting equipment. No smoking is to be allowed on location and all personnel are required to wear safety glasses, boots, and hard hats.

OBJECTIVE
Permanently plug and abandon the well.

FAX MORNING REPORTS TO:

KEN SHAFTO	915-688-6162	MIDLAND RES/SUBSURFACE
JUDY BAGWELL	915-688-6199	MIDLAND REGULATORY AFFAIRS
RICK STOREY	805-762-7284	HILL PROPERTY/SR.SUPT

NOTE: DOG VENTURA REPRESENTATIVES ARE TO WITNESS ALL PLUG SETTINGS. NOTIFY AGENCY OF INTENT TO PLUG AT LEAST 24 HRS BEFORE COMMENCING PLUGGING OPERATIONS. RECORD THE DOG REPRESENTATIVES' NAME ON THE MORNING REPORT THAT WITNESSES OR WAIVES A PART OF AN ABANDONMENT. VENTURA OFFICE 805-656-4761

PROCEDURE

1. Ensure that the DOG "Permit to Conduct Well Operations" (Abandonment) and the program and the AFE are available prior to the commencement of any work.

2. BEFORE RIG-UP: Prepare location, remove debris, repair roads, install/inspect rig anchors, flush flow line and remove to the edge of the location.

3. MIRU WSU. Bleed off any pressure on the well (casing and tubing). Load or kill the well if necessary. Set tubing plug.

4. N/D tree. NU an Exxon Class II 5M (DOG Class II 5M) BOP with a hydraulic actuating system. Test the BOP to 250/5000 psi. Pull tubing plug.

5. Release Otis L-hand overshot tubing seal at 10,178'. Circulate well and POOH and lay down the production string.

6. P/U fishing tools and N-80/P-105 workstring and RIH and latch onto 2 7/8" @ 10,178' (top of the packer @ 10,180)the packer should shear @ 30K overpull at the packer and the tubing will sting out of the Model "D" @ 10,800' with a straight pull. POOH and lay down Fish and fishing tools.

7. RIH with 2100' of 1 1/2" tubing tail on the 2 7/8" workstring and clean out to P.B.T.D. @ 12,278'.

** NOTIFY THE DOG OF CLEAN OUT DEPTH IF UNABLE TO CLEAN OUT TO THE T.D.

8. RU cementers and test lines to 250/5000 psi. Mix and pump the following slurry to spot a balanced plug from 12,278' to 10,126'.

12,278'-10,126'= 2152 X .1966 = 423 cu./ft. X 1.5 = 635 cu.ft.

Cement type	Class "G" + Silica Flour
Retarder	0.03%
Friction Retarder	0.02%
Fluid loss additive	1.0%
Weight	15.7 PPG
Amount	400 sx (635 cu/ft= 50% excess)
Yield	1.585 CU.FT/SK
Water required	6.54 GAL/SK
TTT @ 180 Deg F BHCT	3.30 Hrs.
Compressive strengths @	230 Deg F BHST
8 HOURS 1750 psi	
24 HOURS 4800 psi	

8. POOH 5 stands above calculated TOC and reverse out tubing. POOH 3 stands and WOC 8 hrs. Tag top of plug (10126') and have DOG witness.

9. Test casing integrity to 500 psi for 10 minutes.

10. Displace fluid in the hole with approximately 375 bbls of 9.7 ppg mud.

7", 29# = 10,126' x .0371 = 375 BBLS

11. POOH lay down excess pipe .

12. Shoot 4" SPF from 783'-773' in the 7" casing. RIH with tubing open ended to 783' circulate mud up the 7" X 10 3/4" annulus to the surface.

13. NOTIFY THE DOG TO WITNESS PUMPING THE FRESHWATER PLUG: R/U cementers & test lines 250/2000 psi. Pump and squeeze cement slurry to place cement plug in the 7" and the 7" x 10 3/4" annulus so the TOC will be 100' above the BFW. POOH

100' of 7", 29# X .2210 = 22 cu.ft.
100' of 7" X 10 3/4" annulus X .2836 = 28 cu.ft.

Cement type	Class "G" + 2% CaCl2
Weight	15.7 PPG
Amount	87 sx (100 cu/ft= 100% excess)
Yield	1.15 CU.FT/SK
Water required	4.96 GAL/SK

TTT @ 180 Deg F BHCT 4.45 Hrs.
Compressive strengths @ 90 Deg F BHST
8 HOURS 155 psi
24 HOURS 1523psi

14. R/U wireline and shoot 4 SPF (90 degrees phasing) in the 7" csg @ 100' (or deeper if required by Newhall grading plan).

15. RIH to 100' and establish circulation in the 7" X 10 3/4" annulus. R/U cementers and pump/squeeze 50 sxs of "G" neat cement to fill the 7" and the 7" X 10 3/4" annulus to surface.
DOG TO WITNESS SURFACE PLUG.

16. Complete the following: Remove cellar, surface equipment and flow lines back to the header. Restore the site to its pre-drill condition. Complete removal of surface equipment and flowlines within 30 days of FRR. DOG requires all work to be completed, documented, and submitted within 60 days of FRR.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California
December 4, 1992

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Your report of plugging and abandonment of well "Newhall Land & Farming Co." 32, A.P.I. No. 037-16502, Section 24, T. 4N, R. 17W, SB B.&M., Castaic Junction field, Los Angeles County, dated May 22, 1992, received May 27, 1992, has been examined in conjunction with operations witnessed and records filed in this office. We have determined that all of the requirements of this Division have been fulfilled.

tkc
cc: Conservation Committee
Update

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear, Deputy Supervisor

OGD159 (6/92)

OPERATOR Exxon Corp.
WELL NO. "Kaohsiung Land Farming Co." 32
MAP

INTENTION	Abandon					
NOTICE DATED	5-[illegible]-92					
P-REPORT NUMBER	292-121					
CHECKED BY/DATE	[illegible]					
MAP LETTER DATED						
SYMBOL	1					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	5-[illegible]-92											
HISTORY	10-2-92											
SUMMARY	✓											
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL	✓											
CORE/SWS	✓											
CBL	✓											

ENGINEERING CHECK

T-REPORTS	707 - 9					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	2-16-93					
DRILL CARD						

RECORD'S COMPLETE FMN 11/13/92

FINAL LETTER OK
MAILED
RELEASED BOND

INJECTION BOOK
IDLE WELL LIST
SURFACE INSP. CARD
OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

REMARKS:

8 T 184

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator Exxon Corp. Well No. "Newhall Land & Farming Co" 32
API No. 037-16502 Sec. 24, T. 4N, R. 17W, SB B&M
Field Castaic Jct, County Los Angeles. On 8-11-92,
Mr./Ms. P. Wygle, representative of the supervisor, was present from 0900 to 1200.
There were also present D. Morris, Operator's rep.
Casing record of well: 10 3/4" cem 786'; 7" cem 10,284', perf 100', perf & sqz 823'-843', perf 10,160' W&S, perf 10,194'-10,270', parted @ 10,190'. TD 10,600'. Plugged w/ cem 10,274'-9021', 849'-364' & 120'-5'.

The operations were performed for the purpose of abandonment

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @_____' is approved.

Hole size:_____" fr._____' to_____', _____" to_____' & _____" to_____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/~~tubing~~ recovered: perf & sqz 7" shot/cut at 823-823', 100', _____' pulled fr._____';
_____" shot/cut at_____', _____', _____' pulled fr._____'.

Junk (in hole):_____

Hole fluid (bailed to) at_____'. Witnessed by_____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
9/10	115 cf	tbg 849', sqz 354 cf thru holes 823-843'	--	rpla	364	wt of tbg	8-11-92 0830	PRW
9/11	69 cf	tbg 120'	1100-1200	PRW	5	visual		

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION ORIGINAL
RECEIVED
OCT 7 1992
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Company, U. S. A. Field Castiac County Los Angeles
Well NL&F 32, Sec. 24, T 4N, R 17W., B. & M.
A.P.I. No. 037-16502 Name James R. Ezell (Person submitting report) Title Coordinator (President, Secretary or Agent)
Date October 5, 1992.

Signature James R. Ezell

P. O. BOX 5025, Thousand Oaks, CA 91359 (Address) 805/494-2000 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

7/29/92 Moved in and rigged up. Guy out rig. Spot pump and tanks. Rigged up pump and kill line. Attempt to pump down tubing, pressured up to 500 psi. Pumped down casing. Reverse circulate out 360 bbls of lease water. Recovered 200 bbls of oil. Closed in well.

7/30/92 Opened well, 75 psi on tubing and 65 psi on casing. Pumped 120 bbls of lease water down casing, tubing flowing with oil. Rigged up Archer slickline. RIH with 2-1/2" tubing plug to 200'. POOH. Nippled down production T. Nippled up BOP and tested, OK. Rigged up work floor and tubing equipment. Rigged up slickline. RIH and retrieved tubing plug. POOH and rigged out slickline. Worked stuck tubing at 74,250# to 80,000#. Closed in well.

7/31/92 through 8/2/92 No well work.

8/3/92 Opened well, 0 psi on tubing and 50 psi on casing. Bled down well. Continued POOH and laid down 2-7/8" tubing (279 jts). Picked up 5-3/4" X 2-7/8" overshot, bumper sub, jars and six 4-3/4" drill collars. RIH picking up and inspecting 56 joints of 2-7/8" tubing. Closed in well.

8/4/92 Opened well, no pressure. Continued picking up tubing (262 jts). RIH and tagged fill at 10,061'. Latched onto fish and worked packer loose. POOH with tubing. Filled well with 45 bbls of lease water, pulling up 40'. Continued POOH with fish. Closed in well.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-184

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
September 18, 1992

Your operations at well "Newhall Land & Farming Co." 32, API No. 037-16402, Sec. 24, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 8-11-92. Pete Wygle, representative of the supervisor, was present from 0900 to 1200. There were also present D. Morris, Operator's Respresentative.

Present condition of well: 10 3/4" cem 786'; 7" cem 10,284', perf 100' & sq 823'-843', perf 10,160' WSO, perf 10,184'-10,270', parted @ 10,190'. T 10,600'. Plugged w/cem 10,336'-9921', 849'-364' & 120'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

PK:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-154

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
September 8, 1992

Your operations at well "Newhall Land & Farming" 32, API No. 037-16502, Sec. 24 T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 8-7-92. Stephen Mulqueen, representative of the supervisor, was present from 0800 to 0900. There were also present Dave Morris.

Present condition of well: 10 3/4" cem 786'; 7" cem 10284', perf 10160' WSO, perfs 10184'-10270', parted 10190', open hole 10284'-10600'. Junk below 10275'. TD 10600'. Plugged w/cem 10336'-9921'.

The operations were performed for the purpose of witnessing the location and hardness of a cement plug placed from 10336' to 9921'.

DECISION:

The location and hardness of the cement plug at 9921' are approved.

PK:nr

K.P. HENDERSON, Acting Chief
By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

SP T 15S

Operator EXXON CORPORATION Well No. "Newhall Land + Farming" 32
API No. 037-16502 Sec. 24, T. 4N, R. 17W, SB B&M
Field CASTAIC JUNCTION, County LOS ANGELES. On 8-7-92,
Mr. ~~Ms.~~ S. MULQUEEN, representative of the supervisor, was present from 0800 to 0900.
There were also present DAVE MORRIS

Casing record of well: 10¾" cem 786'. 7" cem 10284', prf 10160' WSO perfs 10184' - 10270' perfed 10190' open hole 10284' - 10600'. Junk below 10275'. TD 10600'. Plugged w/ cem 10336' - 9921'.

The operations were performed for the purpose of (5) (1) 3(10336' - 9921')

☐ The plugging/cementing operations as witnessed and reported are approved.

☒ The location and hardness of the cement plug @ 9921' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: _____" shot/cut at _____', _____', _____' pulled fr. _____';
_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

CLEAN OUT DEPTH @ 10352'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
8/6	116 cf	TBG @ 10,336'	—	REPORTED	9921'	—	8/7 0830	REPORTED

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California

Jan. 15, 1987

C. G. Lyons, Agent
Exxon Corporation
P.O. Box DO
Ventura, CA 93002

Your report of abandonment of well "Newhall Land & Farming Co." 33
(Name and number)
A.P.I. No. 037-16503, Section 24, T. 4N, R. 17W, S.B. B. & M.,
Castaic Junction field, Los Angeles County,
dated 1-14-87, received 1-14-87, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.

b

MAP | [illegible] | [illegible] | [illegible] | [illegible] | FORMS [illegible] | [illegible]
Dec 12 1-15-87 | ✓ | | DS | CK | | ✓

M. G. MEFFERD
State Oil and Gas Supervisor

By [signature]
Deputy Supervisor

Murray W. Dosch

OG159 (11/82/CSR1/8M)

OPERATOR
WELL NO.
MAP

INTENTION						
NOTICE DATED						
P-REPORT NUMBER						
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D
NOTICE											
HISTORY											
SUMMARY											
E-LOG											
MUD LOG											
DIPMETER											
DIRECTIONAL											
CORE/SWS											
CBL											

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.						
DRILL CARD						

RECORD'S COMPLETE _____ _____ _____ _____ _____ _____

FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

INJECTION BOOK _____
IDLE WELL LIST _____
SURFACE INSP. CARD _____

REMARKS: _____

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
JAN 1 1987
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Company, U.S.A. Field Castaic Junction County Los Angeles
Well Newhall Land & Farming #33, Sec. 24, T 4 N., R 17 W, SB B. & M.
A.P.I. No. 037-16503 Name Exxon Company, U.S.A. (Person submitting report) Title President-Pubco In (President, Secretary or Agent)
Date Jan. 14, 1987 by Pubco Inc. Contractor

Signature Luther Petty

Exxon Company, U.S.A. by Pubco Inc.
1641 B N. Ventura Blvd., Ventura, CA 93001 (Address) 805 643 5770 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
1-5-87	Moved in. Held Safety Meeting. Rigged up workover rig. Moved in mud pump, tank and Class III BOP. Bled pressure off well . Nippled down x-mas tree and tubing head. Installed BOP and tested to 2500# psi 15 min. Hauled in 196 jnts 2-7/8" tubing. Rigged up workover floor. Rigged up for tubing. Closed well in with blind rams and locked. Shut down until A.M.
1 87	Serviced rig and equipment. Bled well down. Rigged up to run tubing. Hooked up standpipe. Made up 6" bit on 2-7/8" tubing. TIH with 2-7/8" tubing and bit to clean out and circulate 11 ppg mud out of hole to 6718', measuring in hole and breaking circulation every 500'. Hauled in additional jnts 2-7/8" tubing . 219 jnts on location. Continued cleaning out and measuring tubing breaking circulation every 500'. Picked up total 218 jnts 2-7/8" tubing and cleaned out to 6718' and tagged cement plug at 6718' with 20,000# set down weight. Circulated hole 2 hr. and conditioned mud. Closed well in.
1-7-87	Serviced rig and equipment. Bled well down. Circulated and conditioned mud. 9.4 ppg witnessed and approved by D.O.G. Tagged cement plug at 6718' with 20,000# weight. Witnessed and approvedby D.O.G. POOH laying down excess tubing. Layed down 186 jnts 2-7/8" tubing. Stood back 1000' tubing. Dug out cellar. Bled off surface casing. Nippled down BOE. Nippled down landing flange. Rigged well head to cut and pull 7" casing. Re-installed BOP. Closed well in.
1-8-87	Serviced rig and equipment. Bled well down. Rigged up Dia-Log. RIH with jet cutter. Cut off 7" casing at 792'. POOH with wireline. Rigged out Dia-Log. Filled hole. Casing stuck. Made up casing spear. Nippled down BOE. TIH with 7" spear. Pulled 145,000#. Casing came free. Pulled and layed down 7" casing 785' + , 19 jnts plus

(cont.)

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Exxon Company, U.S.A. Field Castaic Junctio County Los Angeles
Well Newhall Land & Farming Co. #33, Sec. 24, T 4 N., R 17 W., S.B.B. & M.
A.P.I. No. 037-16503 Name Exxon Company, U.S.A. Title President-Pubco I
(Person submitting report) (President, Secretary or Agent)
Date , 19 by Pubco Inc. Contractor

Signature

Exxon Company, U.S.A. by Pubco Inc.
1641 B. N. Ventura Ave., Ventura, CA 93001 805 643 5770
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

Page Two (cont.)

piece. Nippled up BOP. RIH with 2-7/8" tubing to 798'. Mud hole. Rigged up cement program to spot balanced , neat cement plug to 650'. Mixed and pumped 95 cu. ft. Class G neat cement with 30 cu. ft. L.W. ahead and 2 cu. ft. L.W. behind. Displaced 15 cu. ft. 9.8 ppg mud. Pulled up to 310'. Backscuttled clean. Rigged out cementers. Closed well in.

-9-87 Serviced rig and equipment. Safety meeting. Bled well. opened up well. Ran in hole and tagged cement plug at 633'. Witnessed and approved by D.O.G. Pulled out of hole with 2-7/8" tubing laying down. Removed working floor. Nippled down BOP. Rigged up cementers with 2-7/8" tubing at 35' to spot balanced, neat cement plug to 10'. Mixed and pumped 17 sx Class G. cement to 10'. Witnessed and approved by D.O.G. Loaded out equipment, cleaned pump and tanks, rigged down workover rig. Hauled 7" casing (19 jnts plus short piece) and well head to Exxon pipe yard. Cleaned location.

-12-87 Hauled 79 jnts 2-7/8" tubing to Exxon pipe yard. Broke up concrete cellar and excavated to expose casing 5' below cellar floor. Rigged up welder. Cut 10-3/4 casing 5' below bottom of cellar. Welded steel plate on top of 10-3/4" casing, welded well identification and date. Hauled off tubular and concrete waste.

-13-87 Hauled in fill dirt. Filled and compacted cellar excavation with fill dirt and restored surface to original configuration. Cleaned up entire area and removed all materials and waste. Released all equipment. Notified D.O.G. that well site was ready for final approval.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 287-12

DIVISION OF OIL AND GAS

Report on Operations

C. G. Lyons, Agent
EXXON CORPORATION
P.O. Box 5025
Thousand Oaks, CA 91359

Ventura, Calif.
January 12, 1987

Your operations at well "Newhall Land & Farming Co." 33, API No. 037-16503, Sec. 24, T. 4N R. 17W, S.B. B.& M. Castaic Junction Field, in Ventura County, were witnessed on 1/9/87. Bill Winkler, representative of the supervisor, was present from 1100 to 1200. There were also present Red Warnock

Present condition of well: 10 3/8" cem 789', 7" cem 10,340' cut & pulled Fr. 792', TD 10,693', Ed 6718'. Plugged w/cem 797' to 633' & 30'-5'.

The operations were performed for the purpose of ABANDONMENT

DECISION:

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

Surface Inspection Complete 1-15-87

mep

M. G. MEFFERD

Michael Stettner

Michael Stettner

OG109 (9/83/GSR1/15M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 286-326

126 (field code)

00 (area code)

10 (new pool code)

10 (old pool code)

PERMIT TO CONDUCT WELL OPERATIONS

C.G. Lyons, Agent
EXXON CORPORATION
P.O. Box D.O.
Ventura, CA 93002

Ventura, California
September 30, 1986

Your proposal to abandon well "Newhall Land & Farming Co." 33
A.P.I. No. 037-16503, Section 24, T. 4N, R. 17W, S.B. B. & M.,
Castaic Junction field, any area, 10 pool,
Los Angeles County, dated ---, received 9/23/86 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Hole fluid of sufficient quality and quantity shall be maintained in the hole to control any subsurface condition, and a reserve supply shall be on hand for emergencies.
2. Blowout prevention equipment of at least DOG Class II 2M shall be installed and maintained in operating condition at all times.
3. All portions of the hole not plugged with cement shall be filled with inert mud fluid having a minimum density of 72 lbs./cu.ft. and a minimum gel shear strength (10 min) of 20 lbs./100 sq.ft., (30 sacks of Bentonite per 100 bbls. of water).
4. A diligent effort shall be made to clean out the hole to at least 6718'.
5. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.
6. THIS DIVISION SHAL BE NOTIFIED:
   a. TO WITNESS the clean out depth.
   b. TO WITNESS the location and hardness of the cement plug at 650'±.
   c. TO WITNESS the placing of the cement plug from 30' to 5'.
   d. TO INSPECT the well site after cleanup and restoration operations are completed.

Blanket Bond
MS:ljg

Engineer Michael Stettner

Phone (805) 654-4761

M. G. MEFFERD, State Oil and Gas Supervisor

By [signature]
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	B	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Newhall Land & Farming #33, API No. 037-16505, Sec. 27, T. 4N, R. 17W, SB B. & M., Cosmic Junction Field, Los Angeles County, commencing work on _____, 19____.

The present condition of the well is:

1. Total depth: 10693'
   TVD: 6718'
2. Complete casing record, including plugs and perforations:
   10¾", 40.5 #/ft @ 789'
   7", 23 #/ft + 26 #/ft @ 10340'
   Cement squeeze perfs. @ 6972', 6975', 7100', 10291', 9862'-9895', 6980'-7040'.
   Cement plugs @ 10313'-10345', 9757'-10238', + 6718'-7134'. Bridge plug @ 10260'.
3. Last produced 9/70 (Date) 0 (Oil, B/D) 35 (Gas, Mcf/D) KCF/D 81 (Water, B/D)

   or

4. Last injected N/A (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows
6. Stratigraphic markers:
7. Formation and age at total depth:
8. Base of fresh water sands: _____

The proposed work is as follows:

1. R/U Rig
2. Kill well; N/D X-mas tree & Lbg. Head. N/U BOPs. Test same.
3. TIH and clean out well to 10000'± Circ. 9.8 PPG mud in well.
4. R/U ELL & Jet cut 7" csg. @ 790'±. Remove 7" casing.
5. Set a balanced plug from 790' ± to 650'±. TAG same.
6. Set a cement plug from 30' to 5'. TAG same
7. Cut 10¾" casing, 5' below cellar floor. Install steel plate
8. Break-up cellar location & cover surface location with dirt.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Drive (Street)
Thousand Oaks, California 91359 (City) (State) (Zip)
Telephone Number (805) 494-2419 (Area Code) (Number)

Exxon Company, USA. (Name of Operator)
By _____ (Signature) (Date)
Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

OG108 (8-75—GSRI—15M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California
January 18, 1991

L. R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Your report of abandonment of well "Newhall Land & Farming Co." 39, A.P.I. No. 037-16509, Section 24, T. 4N, R. 17W, SB B.&M., Castaic Junction field, Los Angeles County, dated undated, received 1-2-91, has been examined in conjunction with records filed in this office, and we have determined that all of the requirements of this Division have been fulfilled.

MAP	MAP RECD.	CASING	PLUGS	ECS	FORMS 114	FORMS 121
253	1-12-91 BH	—	3/6	✓	—	✓

cc: Conservation Committee
Update

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear, Deputy Supervisor

OG159

OPERATOR _____

WELL NO. _____

MAP _____

INTENTION	Add					
NOTICE DATED	10-23-90					
P-REPORT NUMBER	290-412					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	10-24-90											
HISTORY	12/31											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
DEL												

removed for dup 12/90

ENGINEERING CHECK

-REPORTS						
PERATOR'S NAME						
ELL NO.						
OC & ELEV						
IGNATURE						
URFACE INSP.						
RILL CARD						

ECORD'S COMPLETE BJL 1/8/90

FINAL LETTER OK _____

MAILED _____

RELEASED BOND _____

NJECTION BOOK _____

OLE WELL LIST _____

URFACE INSP. CARD _____

REMARKS: _____

TO RELEASE FROM CONFIDENTIAL _____

ANDONED-REMOVED FROM E.D.P. _____

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

ORIGINAL

Operator Exxon Company, U. S. A. Field Castaic County Ventura
Well NL&F 39, Sec. 24, T 4N, R 17W, S.B. B. & M.
A.P.I. No. 037-06409 Name Scott S. King (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date , 19 90

Signature JBS James R. Ell for S.S. King 12

P. O. Box 5025, Thousand Oaks, California 91359 (Address) 805-494-2283 (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

11/08/90 Moved in and rigged up. Installed guylines. Rigged up pump and tank. Removed production tree. Worked on stuck packer with 92,000# tension. Filled tubing, pressured to 3000 psi. No luck with stuck packer. Filled casing with lease water. Landed on donut. Closed in well.

11/09/90 Opened well. Installed and tested Class III 5000# BOP. Rigged up work floor and tubing equipment. Unloaded 10 3/4" rods. Rigged for rods. Made up rods on sand line and ran in hole. RIH and set down at 6300', working through to 9800'. RIH to 9800' working through, stopped at 10,441'. Unable to work down. POOH found 200' of sand line parted. Left approximately 200' of sand line, 10 3/4" rods, jars and rope socket in hole. Rigged up BJ. Attempted to get break down. Pumped 7 ft^3 at 3000 psi. Rigged out BJ. Rigged out working floor and tubing equipment. Rigged down and moved off.

11/10/90
through
11/15/90 No well work.

11/16/90 Moved in and rigged up. Rigged up working floor and rod equipment. Made up RTC sand line spear on rods with bumper sub. Picked up and ran in hole with 25 3/4" rods. Waiting on rod boxes. Closed in well.

11/17/90
through
11/18/90 No well work.

11/19/90 Opened well. Continued picking up rods. RIH with fishing tool. Picked up 136 3/4" rods with 1-1/2" boxes and 174 7/8" rods with 1-5/8" boxes. Tagged line at 9300'. Latched on line and pulled 60'. Closed in well.

11/20/90 Opened well. POOH with RTCs fishing tool. Pulled 136 3/4" and 174 7/8" rods, no fish. Made up 1-5/8" overshot. RIH and tagged top of fish at 9300'. Attempted to work over wireline, no luck. Closed in well.

11/21/90 Opened well. POOH with 1-5/8" wireline overshot, no fish. Made up 1-3/8" X 3/4" wireline spear. RIH and tagged at 9300'. Worked onto fish. POOH with 12 rods. Closed in well.

11/22/90
through
11/25/90 No well work.

11/26/90 Opened well. Continued pulling out of hole with rods and fishing tool. Found small amount of wire on tool. Made up 1-5/8" X 3/4" spear. RIH and tagged top of fish at 9250. POOH laying down rods (180 rods). Closed in well.

11/27/90 Opened well. Continued pulling out of hole with rod and fishing tool (220 rods). Unlanded tubing. Removed donut. Rigged up Dia-log. RIH with 1-5/8" free point, showing 70% free at 9276'. POOH. Made up 1-11/16" chemical cutter. RIH to 9329'. Pulled up to 9276' and cut tubing. POOH no indication of cut. RIH with 1-11/16" chemical cutter to 9260', stopped could not make hole. POOH and laid down cutter. Closed in well.

11/28/90 No well work.

11/29/90 Opened well. RIH with 1-5/8" free point, found pipe free to 9290'. POOH. RIH with 1-11/16" jet cutter, cut tubing at 9286'. POOH. Rigged out Dia-log. POOH laying down 192 joints of 2-3/8" tubing. Closed in well.

11/30/90 Bled down well. Continued pulling out of hole and laying down 2-3/8" tubing. Removed working platform. Installed 6-900 Hydril and line. Changed out pipe rams from 2-3/8" to 2-7/8". Made up bottomhole fishing tool. RIH with 2-7/8" drill pipe and fishing tool to 1465'. Closed in well.

ORIGINAL

12/01/90
through
12/02/90 No well work.

12/03/90 Opened well. Continued running in hole with 2-7/8" drill pipe. Picked up and measured 298 joints of tubing. Tagged top of fill at 9290'. Latched onto fish, worked and jarred with 170,000# tension, no movement. Closed in well.

12/04/90 Opened well. Continued jarring on fish at 9290', no movement. Jarred on fish with 180,000# tension, pulled to 196,000# tension maximum. Released fishing tool. POOH and stood back 140' . Closed in well.

12/05/90 Opened well. POOH with 372' of 2-7/8" drill pipe and 4 4-3/4" drill collars. Laid down fishing tools, jars and bumper sub. Rigged to run wash pipe. Picked up and measured 4 joints of 5-1/2" wash pipe with cutter on bottom. Picked up 10 joints of 5-3/4" wash pipe; installed jars on top of wash pipe. RIH with 9605' of 2-7/8" drill pipe and tagged top of fish at 9285'. Work-over continued in hole to 9605'. Closed in well.

12/06/90 Opened well and continued in hole with drill pipe and wash pipe. Tools stopped at 9714'. Pulled up shear pins on cutters at 4000# over weight. Cut 2-3/8" tubing at 9709'. Laid down power swivel. POOH and laid down 2-7/8" drill pipe, wash pipe and 14 joints of 2-7/8" tubing. POOH with 14 joints of wash pipe and 1 joint of drill pipe. Closed in well.

12/07/90 Opened well. POOH with 2 stands of 5-1/2" wash pipe. Found 1/2 of sandline in wash pipe. POOH with 600' of sandline, cutting 100' at a time. RIH with 4 joints of 5-1/2" wash pipe. POOH and laid down 14 joints of wash pipe. RIH with 4 4-3/4" drill collars. POOH and laid down drill collars. Measured and picked up and ran in hole with 10 joints of CS Hydril (flush joint) and 2-7/8" tubing open ended. Closed in well.

12/08/90
through
12/09/90 No well work.

12/10/90 Opened well. RIH with 2-7/8" drill pipe to 9708'. Circulated well. Rigged up BJ and tested lines to 200 psi and 2000 psi. Pumped 56 ft^3 of fresh water

head. Mixed and pumped 40 ft^3 of Class G cement with 0.5% retarder. Pumped 10 ft^3 of fresh water behind. Displaced with 227 ft^3 of lease water. Pulled up 360'. Reversed out 40 bbls of cement/water. Pulled up 300'. Closed in well.

12/11/90 Opened well. RIH tagged cement at 9628'. B. Hesson of Division of Oil and Gas witnessed tag at 9628'. Pulled up to 9615' and circulated well. Rigged up BJ and tested lines to 200 psi and 2000 psi. Pumped 56 ft^3 of fresh water ahead. Mixed and pumped 40 ft^3 of Class G cement with 0.3% retarder. Pumped 10 ft^3 of fresh water behind. Displaced with 230 ft^3 of lease water. Pulled up 400' and reverse circulated well with lease water. Rigged to change over to mud. Pumped 367 bbls of 10 ppg 70 vis mud down casing with full returns to Baker tank. POOH with 30 joints of 2-7/8" drill pipe. Estimate top of cement at 9422', Steve Fields of Division of Oil and Gas waived witnessing tag. Closed in well.

12/12/90 Opened well. Continued pulling out of hole with 2-7/8" drill pipe; laid down 207 joints. Closed in well.

12/13/90 Opened well. Continued pulling out of hole and laying down 80 joints of 2-7/8" drill pipe. Filled well with mud. Rigged up Tiger wireline. RIH with nitro methane 16# cavity shot. Unable to get tool through heavy mud. POOH. Installed 2 pop joints on bottom of cavity shot for weight. RIH and stopped at 570'. Gun did not fire. POOH with top and cap of gun, nitro methane solution still in hole. Diluted solution for 20 minutes, solution went off, small pop. RIH with 2-7/8" drill pipe. Filled well with 20 bbls of lease water. Changed well over to lease water at 710'. Casing pressure at 500 psi, OK. Rigged up Tiger wireline. RIH with nitro gel cavity shot. Shot at 710' after opening 10-3/4" casing. POOH and rigged out Tiger wireline. RIH with 12 joints of 2-7/8" drill pipe to 790'. Rigged up BJ and tested lines to 200 psi and 2000 psi. Circulated lease water around 7" and 10-3/4" casing. Closed off 10-3/4" casing. Pumped 10 ft^3 of fresh water ahead. Mixed and pumped 107 sacks (123 ft^3) of Class G cement with 3% CaCl. Displaced with 18 ft^3 of fresh water. Rigged out BJ cementers. POOH with 2-7/8" drill pipe. Opened 10-3/4" casing to equalize. Estimate top of cement at 450'. Closed in well.

ORIGINAL

12/14/90 Opened well. RIH with 2-7/8" drill pipe and tagged cement at 422', Division of Oil and Gas waived witness to tag. Changed well over to (10 ppg) mud. POOH and laid down drill pipe. Filled well. Rigged up Tiger wireline. RIH with perf gun and shot 4 holes at 100'. POOH. RIH with 3 joints of 2-7/8" tubing. Pumped cement (22 ft^3) down 2-7/8" tubing and up 7" casing. POOH and laid down 3 joints of tubing. Rigged up BJ to 7" casing and bullheaded 30 ft^3 of cement down 7" and up 10-3/4" casing. Rigged out BJ. Removed BOP and all equipment. Cleaned location. Rigged down and moved off.

NOTE: Bruce Hesson of Division of Oil and Gas witnessed perforation at 100' and placement of 82 ft^3 of cement in 7" casing and 7" and 10-3/4" annulus.

SOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. T290- 369

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
December 24, 1990

Your operations at well "Newhall Land & Farming Co." 39, API No. 037-06409, Sec. 24, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 12/14/90. Bruce Hesson, representative of the supervisor, was present from 0830 to 1130. There were also present Ken Kennedy.

Present condition of well: 10 3/4" cem 790'; 7" cem 10350', perf 10297' WSO, cp 100', cav shot 710'. Junk below 9709'. TD 10537'. Plugged w/cem 9708'-9422' ±, 710'-422', 100'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

ljg

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear
Deputy Supervisor

OG109

SF 369

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

Operator EXXON CORPORATION Well No. "Newhall Land & Farming" 39
API No. 037-06409 Sec. 24, T. 4N, R. 17W, SB B&M
Field CASTAIC JUNCTION, County LOS ANGELES. On 12/14/90,
Mr. B. Hesson, representative of the supervisor was present from 0830 to 1130.
There were also present K. Hinsley

Casing record of well: 10 3/4" CEM 790'; 7" CEM 10,350' PERF 10,297' W/50 CF 100 CAL. SALT 710'. JUNK BELOW 9709'. TD 10,537'. PLUGS W/ CEM 9708' - 9422' ±, 710' - 422', 100' - 5'.

The operations were performed for the purpose of ABANDONMENT

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
7		0	10,350	12/1		50	0	0		0	10,297

UNABLE TO ESTABLISH BREAK-DOWN THROUGH 2 3/8" PERFORATIONS UP TO 3000 PSI WITH NO I/D

Casing/tubing recovered: 2 7/8" (10 3/4" - 4-1/2" @ 100) shot/cut at _____', _____', _____' pulled fr. 9709';
7" shot/cut at 710', _____', _____' pulled fr. —'.

Junk (in hole): 10 JTS + 200' OF SAND LINE IN 2 3/8" TBG. JTS @ 10,141' PACKER @ 10,261' & TAILING STUB @ 9709'

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.6 ppg	12/11	367	TBG @ 9422	—	SURF.	RIG D
					B. HESSON	CMT'D SAND

TOP OF FILL BELOW PACKER 10,44

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
12/10	35 SX	TBG @ 9709'	RIG BY	K. HINSLEY	low 9628'	10,000	12/11 0600-0730	B. Hesson
12/11	35 SX	TBG @ 9628'	"	"	9422'	CALC. BY	B. HESSON	
12/13	122 CF	TBG @ 710'	"	"	422	RIG BY	K. HINSLEY	
12/14	59 CF	TBG @ 100'	1100	B. HESSON/ P. HINDLEY	5'	VISUAL	12/14 0830-1130	B. Hesson

P. Hindley

OGD10 (10/85/DW88/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P290- 402
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 10

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corp.
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
October 26, 1990

Your proposal to abandon well "Newhall Land & Farming Co." 39, A.P.I. No. 037-06409, Section 24, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, ---- area, 10-B pool, Los Angeles County, dated 10/23/90, received 10/24/90, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. Any sump used during these operations shall be thoroughly cleaned and filled with earth as soon as operations are completed.
4. A diligent effort shall be made to clean out the well to at least 10,532'.
5. The well shall be plugged with cement from 10,532' to 10,197'.
6. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq. ft.
7. The well must be securely capped at the surface until such time as the work of converting to a water well is commenced.
8. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10,197' and 610'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 7" casing and all annuli.

SF:ljg

Engineer Steve Fields

Phone (805) 654-4761

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION

DI 'SION OF OIL AND G/ S

DIVISION OF OIL AND GAS
RECEIVED
OCT 24 1990
VENTURA, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. Newhall Land & Farming #39, API No. 04370640900

Sec. 24, T 4N, R 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on _____, 19____

The present condition of the well is:

1. Total depth: see attached

2. Complete casing record, including plugs and perforations:

see attached

3. Last produced _____ (Date) _____ (Oil, B/D) _____ (Gas, Mcf/D) _____ (Water, B/D)

or

4. Last injected 3/72 (Date) 350 (Water, B/D) 0 (Gas, Mcf/D) 4000 (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 710' ~~2820~~ 710

The proposed work is as follows:

see attached

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W. Hillcrest Dr. (Street)

Thousand Oaks, CA 91360 (City) (State) (Zip)

Telephone Number (805) 494-2419 (Area Code) (Number)

Exxon Company, U.S.A. (Name of Operator)

By _____ (Signature) 10/23/90 (Date)

Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

OG108 (8-75—CSRI—15M)

Total Depth: 10537'

Casing Record:

790', 10-3/4", 40.5#, cmt w/450 sks. (shoe to surface)
10350', 7", 23#, 26#, 29#, cmt w/350 sks. (shoe to 8830')
4 - 1/2" W.S.O. holes in 7" casing @ 10297'
4 - 3/8" perforation holes in 7" casing @ 10280'
Baker permanent packer set in 7" casing @ 10320'
Burns Tools flush joint plain hanger in 7" casing @ 10341'
10341'-10532', 5-1/2" perforated liner, 20#

Proposed Work

1) MI/RU rig
2) ND x-mas tree & RU DOG Class II 5M BOP's. Test same.
3) Attempt to pull tubing and Baker "F-1" retrievable packer @ 10261'
   a) If successful, clean out well to 10537' (TD) with 2-7/8" flush joint tubing (tubing must work through 3.25" ID Baker permanent packer @ 10320'). Spot a balanced plug from TD-10180', with 69 c.f. of Class G neat cement.
   b) If unsuccessful, RU ELU and run free point test. Cut tubing at free point. Contact DOG for cementing approval/instructions.
4) Tag & test TOC. Circulate in 9.8 ppg mud.
5) Shoot a cavity shot at 710' (fresh water base) and cement the interval 790'-600' with 123 c.f. of Class G neat cement.
8) Tag & test TOC. Circulate in 9.8 ppg mud.
9) Shoot 4 holes at 100'. Squeeze a cement plug from 105'-5' with 60 c.f. of Class G neat cement.
10) Cut casing at 5' below surface and weld a plate over same.
11) RD rig & break up cellar location. Clean cellar location and remove flow lines.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

October 6, 1992

Your report of plugging and abandonment of well Newhall Land & Farming" ,
, A.P.I. No. 037-16507
Section 24,T. 4N,R. 17W, SB B.&M., Castaic Junction fiel
Los Angeles County, dated 5-24-92 , received 6-09-92
has been examined in conjunction with operations witnessed and records fil
in this office. We have determined that all of the requirements of this
Division have been fulfilled.

WILLIAM F. GUERARD, Jr.,
Acting State Oil and Gas Superviso

By Patrick J. Kinnear
Patrick J. Kinnear, Deputy Supervisor

PK:nr

cc: Conservation Committee
Update

OG159 (6/92)

OPERATOR
LSE & NO
MAP

	( )	( )	( )	( )	( )	( )
INTENTION		Abd				
NOTICE DATED		6-24-92				
P-REPORT NUMBER						
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL		+				

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE												
HISTORY			7-14-92									
SUMMARY												
ES/ELECTRIC LOG												
DIRECTIONAL SURV												
CORE/SWS DESCRIP												
OTHER												
RECORDS COMPLETE			7-28-92	9M								

ENGINEERING CHECK

T-REPORTS	
OPERATOR'S NAME	
WELL DESIGNATION	
LOC & ELEV	
SIGNATURE	
SURFACE INSPECTION	9-22-92
FINAL LETTER OK	9-28-92

CLERICAL CHECK

POSTED TO 121 _____ 170 MAILED _____ FINAL LETTER MAILED _____

RELEASED BOND _____

REMARKS: _____

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
SEP 14 1992
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Corp. Field Castaic Junction County Los Angeles
Well Newhall Land & Farming #40, Sec. 24, T 4N, R 17W, SB B. & M.
A.P.I. No. 037-16507 Name Judy Bagwell (Person submitting report) Title Sr Staff Office Asst. (President, Secretary or Agent)
Date September 10, 19 92

Signature Judy Bagwell

Environmental & Regulatory Affairs, P. O. Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
08-12-92	Move in, rig up. Rig up working floor, tubing equipment and pump. Open tubing, no pressure. Casing 30 psi. Bleed casing. Class II BOP test, ok. Circulate 300 bbl lease water down tubing and up 5-1/2 casing. Closed in well.
08-13-92	Open well. Tubing 5 psi, casing 15 psi. Bleed well, pulling out of hole with 2-3/8 tubing. RIH with 160 joints 2-3/8 tubing. Close in well.
08-14-92	Open well. Can't RIH with 1-1/4 and 2-3/8 tubing string. Tag top of packer at 10,549'. Reverse circulate down to 10,562'. Could not make hole. Circulate well. Rig up BJ. Test lines at 300 and 3000#, ok. Mix and pump 48 sx Class G neat cement with 40% silica flour and 2% R-11 and 2% CD-32. Displace with 216 C.F. freshwater. Pull 11 stands (682'). Reverse out 20 minutes at 2-1/2 BPM, 50 bbl. Mr. Steve Mulqueen, Division of Oil and Gas, approved tag @ 10,562' and pumping of cement from 10,549' to 10,349'.
08-15-92 through 08-23-92	No well work.
08-24-92	Open well. No pressure. RIH with 2-3/8 tubing. Tag top of cement at 10,390'. Pressure casing up to 500 psi for 10 minutes, ok. Rig up pump. Pump 230 bbl + 9.7 ppg mud down tubing and up casing to surface. POOH,

laying down 244 joints 2-3/8 tubing. Close in well. Mr. Steve Fields, Divison of Oil and Gas gave verbal approval on tag @ 10,390' and test on casing from 10,390', 500 psi for 10 minutes and mudding of well from 10,390 w/9.7 ppg mud.

08-25-92 Open well, no pressure. Can't POOH laying down 2-3/8 tubing. Fill 5-1/2 casing with mud. Rig up Dia Log. RIH with 20' Dyna Strip. Shoot holes @ 801' to 821'. POOH. RIH with 2-3/4 tubing, 27 joint 836'. Rig up BJ. Test line 300 and 3000 psi, ok. Circulate down 2-3/8 tubing up 10-3/4 casing. Mix and pump 90 sacks Cl G neat cement down 2-3/8 tubing up 10-3/4 casing. Displace with 3-1/4 bbl freshwater. Open 5-1/2 casing. Let cement gravitate in 5-1/2 and 2-3/8. Mr. Peter R. Wygle, Division of Oil & Gas, witnessed placement of plug in 10-3/4 and 5-1/2 casing at 821-700'. Rig out BJ. Pooh with 2-3/8 tubing. Rig up Dia Log. RIH with 1' Dyna Strip. Shoot 4 holes @ 110' to 111'. Rig out Dia Log. Close in well.

08-26-92 Open well, no pressure. RIH with 2-3/8 tubing. Tag top of cement at 704'. Pooh, laying down 24 joints. Leave 4 joints in hole (124'). Rig up BJ. Mix and pump 69 sacks Cl G Neat cement down 2-3/8 tubing up 5-1/2 and 10-3/4 casing through holes at 110'. Cement from 124' to surface. Cement tag and surface plug placement was witnessed by Mr. Peter R. Wygle, Division of Oil and Gas. Rig out BJ. Clean floor and BOP. Load out working floor, tubing equipment and pump hoses. ND and load out BOP and BOE. Rig Down, Move On. Well is plugged and abandoned.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T292-174

REPORT ON OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
September 18, 1992

Your operations at well "Newhall Land & Farming Co." 40, API No. 037-16507, Sec. 24, T. 4N, R. 17W, S.B.B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 8-26-92. Pete Wygle, representative of the supervisor, was present from 1000 to 1200. There were also present D. Morris, Operator's representative.

Present condition of well: 10 3/4" cem 816'; 5 1/2" cem 10,625', WSO, perf 110'-111', 801'-821', & 10,567'; 3 1/2" ld 10,595'-10,775', perf 10,625'-10,775'. TD 10,850'. Junk: pkr @ 10,550'. Plugged w/cem 10,549'-10,390', 836'-704' & 124'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as reported and witnessed are approved.

PK:nr

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By Patrick J. Kinnear
Deputy Supervisor

OG109

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

CP T 174

Operator Exxon Corp Well No. "Newhall Land & Farming Co." 40
API No. 037-16502 Sec. 24, T. 4N, R. 17W, SB B&M
Field Castaic Junction, County LA. On 8-26-92
Mr./Ms. R. Wyatt, representative of the supervisor, was present from 1000 to 12
There were also present D. Morris, operator's rep.
Casing record of well: 10¾" cem @ 6'; 5½" cem 10,685', 1150, perf 110'-111', 801'-802' & 10,562'; 3½" in 10,595'-10,775', perf 10,625'-10,734', TD 10,850', Junk: pkr @ 10,550'. Plugged w/cem 10,549'-10,390', 836'-736' & 124'-0'
The operations were performed for the purpose of P&A well

☐ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: 5½" shot/cut at 801-802', 110-111', _____' pulled fr. _____';
_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): pkr @ 10,550

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.0	8-25-92	[illegible]	[illegible]	-	5YD	[illegible]

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
8-24	76 cf	tbg 10,540'	-	rptd	10,390	12 K tbg	8-25-92 1000-1300	FRW
8-25	104 cf	✓ 836	-	rptd	704	wt K tbg	8-25-92 0900-1050	PRW
8-25	73 cf	" 124	1000-1200	FRW	5	visual		

Csg 10,562'

OGD10 (10/90/GSR1/5M)

MEMORANDUM OF TELEPHONE OR PERSONAL CONVERSATION

VENTURA, Calif.

8 - 14 19 92

Operator EXXON CORP. Well No. "N.L. & F." 40

Field CASTAIC JUCTION Sec. 24 T. 4N R. 17W SB B&M

personal
A telephone conversation was held, concerning above well, with Mr. DAVE MORRIS

(805) 332 - 5213 for above operator on 8 - 14 19 92 at 1115 AM.

Details of the conversation were as follows:

IN PROCESS OF ABANDONING WELL FOUND PACKER @ 10550'. USED 1¼" TBG & CLEANED OUT TO 10563'. MAKING LITTLE PROGRESS IN GETTING BELOW PACKER. GETTING BACK FREE AMOUNT.

5½" SHOE @ 10,625'

WSO HOLES 10566'

3½" LINER TOP 10595

TOP PERF 10625' (SLOTTED)

SHALE INTERVAL ON "E" LOG

10510' - 10630'

EXXON NOW PLANS TO HANG TBG TAIL @ 10550', PLACE PLUG & DOWN SQUEEZE PLUG INTO PACKER @ 10550'. DOG. TO BE NOTIFIED TO TAG CEM PLUG @ 10350'±. MINIMUM TAG DEPTH 100' ABOVE PACKER (10450').

(Signed) Stephen Mulqueen

Title

OG136 (11-74-GSR1-5M) (see reverse side for proposed well operations)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P292-151
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 10

PERMIT TO CONDUCT WELL OPERATIONS

L.R. Howard, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA. 91359

Ventura, California
June 17, 1992

Your proposal to abandon well "Newhall Land & Farming Co." 40, A.P.I. No. 037-16507, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ------- area, 10-B pool, Los Angeles County, dated 5/24/92, received 6/9/92, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 5M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,775'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.
6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10,467' & 701'.
   b. To witness the mudding of the well.
   c. To witness the placing of cement inside the 5 1/2" casing and all annuli.
   d. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
SF:tkc

Engineer Steve Fields

Phone (805) 654-4761

K.P. HENDERSON, Acting Chief

By _____
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS OGD114	FORMS OGD121
✓	—	✓	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. NEWHALL LAND & FARMING #40, API No. 04-037-16507, Sec. 24, T. 4N, R. 17W, SB B. & M., CASTAIC JUNCTION Field, LOS ANGELES County, commencing work on _____, 19___.

The present condition of the well is:

1. Total depth: 10,850

2. Complete casing record, including plugs and perforations:

SEE ATTACHED

3. Last produced 11/81 (Date) 0 (Oil, B/D) BOPD — 175 (Gas, Mcf/D) BWPD (Water, B/D)

or

4. Last injected N/A (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths)

5. Oil or gas shows N/A

6. Stratigraphic markers: N/A

7. Formation and age at total depth: N/A

8. Base of fresh water sands: 806'

The proposed work is as follows:

SEE ATTACHED

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 225 W HILLCREST DR (Street)
THOUSAND OAKS, CA 91360 (City) (State) (Zip)
Telephone Number (805) 494-2000 (Area Code) (Number)

EXXON CO. USA (Name of Operator)
By E W Foster (Signature) 5-24-92 (Date)
Type of Organization CORPORATION (Corporation, Partnership, Individual, etc.)

OG108 (8-75—GSRI—15M)

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
APR - 8 1982
SANTA PAULA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Corporation Field or County Castaic Junction
Well "Newhall Land & Farming Co." 40 Sec. 24, T 4N, R 17W, S.B. B. & M.
A.P.I. No. 037-16507 Name D. E. Young Title R&R Acctg. Sect. Head
(Person submitting report) (President, Secretary or Agent)
Date April 6, 1982

Signature D E Young

1800 Ave. of the Stars, L.A., Ca 90067 (213) 552-5757
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
9-14-81	MIRU. Shut in tubing pressure on well was 300PSI. Opened well to tank to let it die overnight. Transferred 450 blls polymer mud from Newhall L&F #28. Conditioned mud with 3 PPB of X-PEL-G for hole stability and fluid loss control plus 1.5# per barrel drispak for viscosity. SIFN.
9-15-81	Checked well. Well dead. Pulled seal assembly out of packer. Laid down 38' of 2-3/8" tubing. Landed tubing back on donut. Changed well over from formation fluid to reconditioned polymer mud. Installed and tested Class 2 BOPE. Tested o.k., Division of Oil and Gas declined to witness. POH with 2-3/8" tubing, seal assembly and locator sub. RIH with milling and retrieving tool to 10,000'. SIFN
9-16-81	Finished RIH with mill and packer plucker. Latched into packer at 10,550'. Milled down to 10,553'. Stopped making hole. Acted like slips and packing element free. POH. No recovery. Lefthand release on retrieving tool backed off. Serviced retrieving tool. RIH. Latched back into packer at 10,553'. Milled down to 10,556' and fell free at thispoint. Lowered tubing down to 10,570'. Circ hole clean. POH with packer dragging 20,000# over tubing weight for 10 stands. Secured well. SIFN.
9-17-81	Finished POH with mill and retrieving tool and packer. RIH and made 4 scraper runs from 10,503' to 10,625'. Circ fill out of bottom 5' of 5½" casing. Circ hole clean. POH and laid down casing scraper. RIH with drill collars and bit. Mixed 200 bbls polymer mud. Secured well. SIFN.
9-18-81	Finished RIH and tagged fill at 10,642'. Cleaned out to 10,793' with good circulation. Circ hole clean at 10,793' for 1 hour. POH to casing shoe. Waited 1 hour. RIH to 10,793' and determined hole open and clean. Started out of hole and tubing dragging 20,000# overweight. Attempted to circulate and reverse circ. Tubing plugged. Pulled wet string, 6 drill collars and 4 joints tubing plugged with tar and sand. RIH with unplugged drilling assembly and 20 stands of tubing. Secured well. SIFN.
9-19-81	Laid down one joint plug and 1/8" drill collar. RIH 4-5/8" bit on 103' of 3-1/8" drill collars. Unable to circ out fill. Rotated and circ out asphalt from 10,658' to 10,793'. Circ hole clean. POH. Laid down drill collars and bit. Measured and picked up 180' of 3-1/2" SFJ slotted liner and Burns lead seal hanger.
9-20-81	RIH with 180' of liner and liner hanger. First 1000' very tight. Liner hanger seemed to be scraping asphalt off casing walls. RIH and set liner with bottom

nt'd 0-81	at 10,774'+ and tubing liner hanger at 10,587'+. POH with tubing and setting tools. RIH with 20 doubles of tubing. Secured well and shut job down until Monday.
9-21-81	Pulled 20 stands of 2-3/8" tubing. Measured and pulled up 7 joints of 1½" tubing and RIH. Measured in and tagged bottom of liner at 10,713'. Received change of orders. POH and laid down 1½" tubing. Made up 3½" spear with 4¼" stop, bumper sub, jars and drill collars running in hole. SIFN.
9-22-81 to 9-29-81	Finished running tubing in hole with fishing tools. Latched into 3 1/2" liner. Jarred liner loose. POH. Laid down liner hanger. Bullnose on bottom was split and flared out. Liner was full of asphalt. RIH with drilling assembly and 2-3/8" tubing. Secured well. Shut in well til further notice.
9-30-81	MIRU. Removed tree. Installed BOPE. Secured well and SIFN.
10-1-81	Lowered tubing to top of fill at 10,653'. Rotated tubing and reverse circ fill out to 10,790'. Circ hole clean. POH and measured tubing. RIH with 180' slotted liner and set liner with bottom at 10,775'. Top of liner hanger at 10,595'. Spud out of hole. Secured well. SIFN.
10-2-81	Finished POH. RIH with taper tubing string to 10,765'. Changed well over to lease water. Rigged up and pumped 1600 gals HAS mixed with 5% targom down tubing. Displaced 234' lease water. Performed Bradenhead squeeze down casing squeezed awa solvent. Maximum pressure 3000#. Rigged down. Secured well. SIFN.
-3-81	Finished POH. Rigged up wireline. RIH and set 5½" packer at 10,550'. Rigged down. RIH with seal assembly and X nipple and hydrotested tubing in hole at 5000 psi. Installed gas lift equipment as per program. No leaks in tubing string. RDMO.
10-4-81	Tested well.
10-5-81	Hooked up gas lift gas line.
10-6-81	Finished hooking up gas lift gas line.
10-7-81	Unloaded well.
10-8-81 to 10-28-81	Tested well. Final report on well.

FORM OG111 (11/80/DWRR/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 281-302

REPORT ON PROPOSED OPERATIONS

126 (field code)
00 (area code)
10 (new pool code)
10 (old pool code)

Mr. E. C. Hutchinson, Agent
Exxon Corporation
P. O. Box DO
Ventura, CA 93002

Santa Paula, California
September 14, 1981

Your proposal to alter casing well "Newhall Land & Farming Co." 40, A.P.I. No. 037-16507, Section 24, T. 4N, R. 17W, S. B. B. & M., Castaic Junction field, Any area, 10-B pool, Los Angeles County, dated 9/11/81, received 9/14/81 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Hole fluid of sufficient quality and quantity shall be maintained in the hole to control any subsurface condition, and a reserve supply shall be on hand for emergencies.
2. Blowout prevention equipment of at least DOG Class II 3M with a hydraulic actuating system shall be installed and maintained in operating condition at all times.

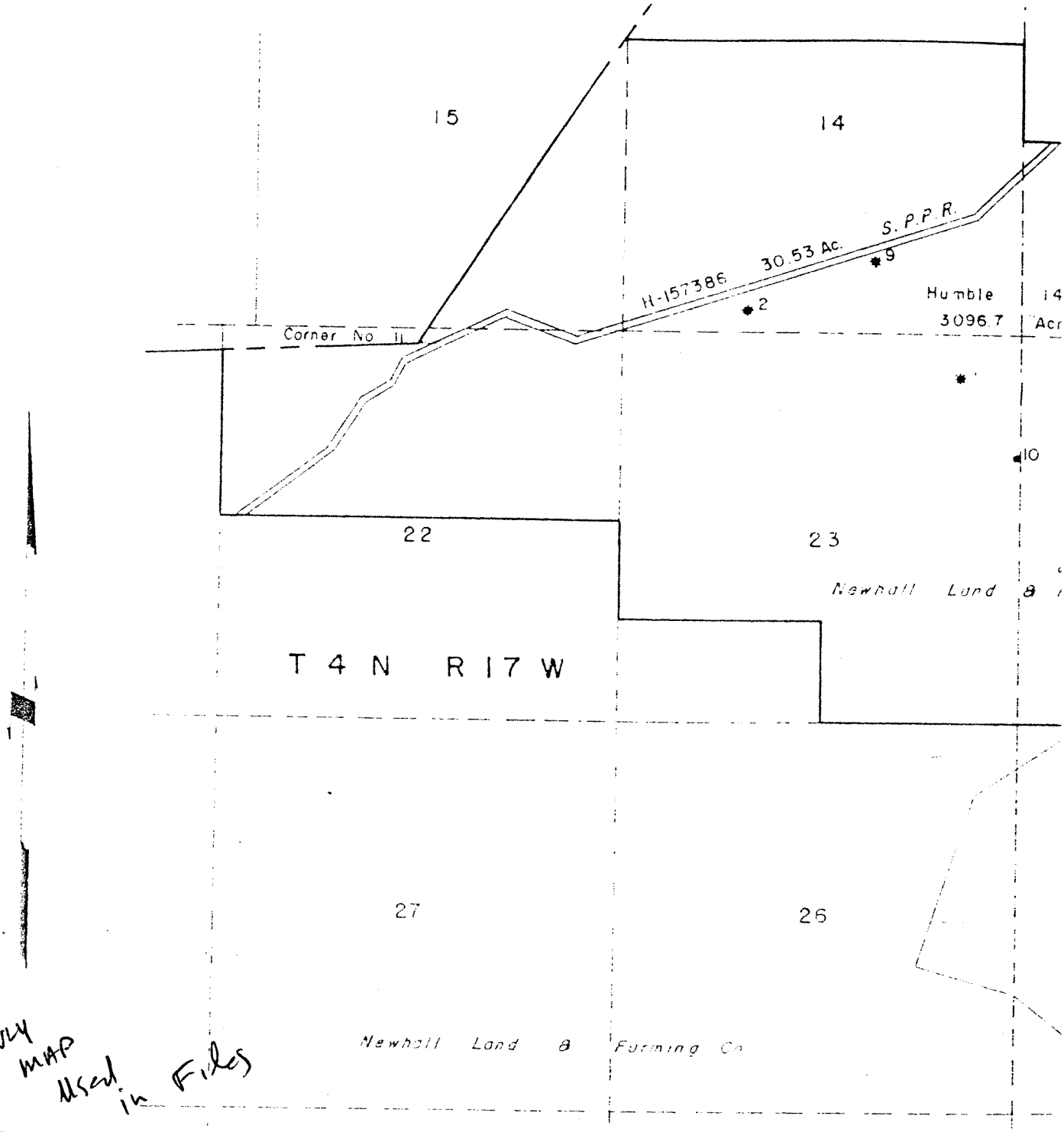
Blanket Bond
MWD:r

M. G. MEFFERD, State Oil and Gas Supervisor

By _____
Deputy Supervisor

A copy of this report and the proposal must be posted at the well site prior to commencing operations.

Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.



ONLY MAP Used in Files

REVISIONS					
NO	DATE	DESCRIPTION	BY	CHK	APPR

REVISIONS					
NO	DATE	DESCRIPTION	BY	CHK	APPR

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

September 21, 1994

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, TX 79702

Your report of the plugging and abandonment of well "Newhall Land & Farming Co." 42, A.P.I. No. 037-16509, Section 24, T. 4N, R. 17W, S.B. B.& M., Castaic Junction field, Los Angeles County, dated 11-11-93, received 11-29-93, has been examined in conjunction with records filed in this office. We have determined that all of the requirements of this Division have been fulfilled relative to plugging and abandonment of the well, removal of well equipment and junk, and the filing of well records.

svl

William F. Guerard, Jr
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

cc: Conservation Committee
Update

Modified OG159 (4/94)

OPERATOR EXXON CORP. A.P.I. 037-16509

WELL NO. " N.L. & F. " 42 SECTION 24, T. 4 N, R. 17 W

MAP

INTENTION	ABANDON					
NOTICE DATED	6-30-93					
P-REPORT NUMBER	293-218					
CHECKED BY/DATE						
MAP LETTER DATED	2-19-94 SPM					
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	2-7-93											
HISTORY	11-29-93											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	2/9/94 FMD					
DRILL CARD						

RECORD'S COMPLETE 2/28/94 FMD

FINAL LETTER OK

MAILED

RELEASED BOND

INJECTION BOOK

IDLE WELL LIST

SURFACE INSP. CARD

REMARKS:

OK TO RELEASE FROM CONFIDENTIAL

ABANDONED-REMOVED FROM E.D.P.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
NOV 2 9 19
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming Company 42 Sec. 24, T 4N, R 17W S.B. B. & M.
A.P.I. No. 037-16509 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assist. (President, Secretary or Agent)
Date November 11, 19 93

Signature Julie H. Mitchell

Environmental & Regulatory Affairs, PO Box 1600, Midland, TX 79702 915/688-7888
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date	
10/26/93	Move in rig up. Rig up Lee Archer and set tubing plug 280 ft down. Nipple down production tree, nipple up and function test class III BOP. Rig up floor and tubing equipment. Rig up Lee Archer and retrieved tubing plug. Worked on stuck packer. Unable to work free. Secure well, shut down.
10/27/93	Open well (no pressure). Continue working on stuck tubing. Unable to pull seals free. Rig up Coast wireline service (top of wireline fish from records @ 3450). Ran 1-3/4 inch Impression Block down to 3800 ft. Did not tag wire. Pull out of hole. Ran 2 inch Impression Block to 3600, did not tag wire. Ran in with 1-3/4 inch inside wireline spear, set down @ 3380 (first mandrel). Pull out of hole, ran in with retrieving tool and fished valve out of mandrel @ 3380 ft. Pull out of hole. Ran in with 1-3/4 inch inside wireline spear to 2400 feet. Did not tag wire. Pull out of hole. Ran in with 1-2/3 inch Impression Block. Set down @ 3892 ft, top of rope socket. Pull out of hole, Impression Block showed picture of scale on top of rope socket. Ran in with 2 inch Impression Block, set down @ 3790, top of wireline. Beat down on top of wire. Pull out of hole, Impression Block showed picture of wireline. Ran in with 1-3/4 inch inside wireline spear. Stopped @ 3380 ft (first mandrel). Pull out of hole, secure well, shut in.

10/28/93 Open well (no psi). Continue fishing wireline. Ran in with 1-3/4 inch inside spear, stopped @ 3380. Pull out of hole. Rework spear ran in to top of fish @ 3790 ft. Latch onto wire, pull out of hole. Recovered 3 ft wire. Ran in with 2 inch Impression Blcok to 3800. Got picture of wire, pull out of hole. Ran in with 1-3/4 inside pear. Caught fish, pull out of hole. Recovered 5 ft wire. Ran in with 2 inch Impression Block. Got picture, pull out of hole. Rig out Coast Wireline Service. Secure well, shut down.

10/29/93 Open well (50# pressure on casing, 0 on tubing). Work stuck tubing. Came free @ 82000#. Check well, no flow. Pull out of hole with 32 joint 2-3/8 inch N-80 tubing. Found hole in tubing (possible casing problems). Laying down 29 joints. Pull out of hole, stand tubing in derrick. Stand back 72 joints, tubing came wet (water). Attempt to circulate and reverse circulate. Tubing plugged. Rig up Coast on wire. Pull 4550 ft of wire out of hole. Attempt to circulate, ok. Close well in. Wireline fishing tools left on top of standing valve.

11/01/93 Open well (tubing 0, casing 30#). Continue pull out of hole with 2-3/8 inch production string. Lay down 100 joints 2-3/8 inch tubing (scale and pitted). Pick up 10 joints 1-3/4 drill rod. Test in hole with 100 joints 2-3/8 inch tubing. Close in well.

11/02/93 Open well (no psi). Continue testing in hole with 2-3/8 inch tubing test ok @ 5000#. Rig out tester. Measure and pick up 128 2-7/8 inch tubing. Haul in 10 joints. Close in well.

11/03/93 Open well (no psi). Pickup 17 joints 2-7/8 inch N-80 tubing. Tail @ 10745 ft. Reverse circulate well. Rig up Halliburton. Test lines 250 low and 4000 high, ok. Mix and pump 48 cubic ft, 25 sacks cement @ 2500# maximum. Displace with 40 barrels lease water. Rig out Halliburton. Pull out of hole with 16 joints, reverse circulate 35 minutes, ok. Pull out of hole with 10 joints. Close in well. Estimate top of cement 10440 ft. Cement mix Class G with 40% Silica Flour, .5% HR7, .5% CFR-3.

11/04/93 Open well (no pressure). Ran in hole with tubing, tag top of cement at 10440, ok. Test casing @ 500 psi from 10440 to surface, ok. Rig up pump. Pump 240 barrels 9.7 ppg mud from 10440 to surface, Pull out of hole, laying down 142 joints 2-7/8 tubing N-80 work string. Close in well. Div of Oil & Gas, Peter R. Wygle, witness tag of bottom plug @ 10440 & casing test from 10440 to surface, 10 minutes @ 500 psi. Witnessed 9.7 ppg mud.

11/05/93 Open well (no pressure). Continue pull out of hole, laying down 65 joints 2-3/8 tubing. Stand back in derrick 26 2-3/8. Lay down 10 joints 1-3/4 drill rods. Rig up MMI. Ran in hole with 20 ft strip shot, 4 shots per foot. Fill well with 9.7 ppg mud. Locate casing collar @ 771 ft. Shoot holes from 774 to 794 ft. Pull out of hole. Ran in hole with 26 joints 2-3/8 inch tubing. With tubing tail @ 806 ft rig up Halliburton. Pump 60 barrels 9.7 ppg mud up 10-3/4 inch casing. Test line 200 low, 2000# high, ok. Mix and pump 103 cubic ft, 89 sacks neat cement down 2-3/8 inch tubing, up 10-3/4 inch casing at 400 psi. Displace with 2-1/2 barrels fresh water. Open 5-1/2 inch casing. Let gravitate in approximately 3 barrels. Pull out of hole with 26 joints. Rig up MMI, shoot holes from 155-157 ft. Pull out of hole. Rig down MMI. Close in well. Estimated top of cement @ 606 ft.

11/06/93 Open well, ran in hole with tubing, tag cement plug @ 612. Div of Oil & Gas, Peter R. Wygle, witnessed top of cement @ 612 ft and placement of cement from 155 ft to surface in 5-1/2 and 10-3/4 inch casings. Pull out of hole, laying down 21 joints of 2-3/8 inch tubing. Ran in hole with 5 joints with tubing tail @ 155. Rig up Halliburton. Mix and pump 83 cubic feet class G neat cement up 10-3/4 and 5-1/2 inch casing. Pull out of hole laying down tubing. Rig down move off.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T293-271

Report on Operations

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 22, 1993

Your operations at well "Newhall Land & Farming Co." 42, API No. 037-16509, Sec. 24, T. 4N, R. 17W, S.B. B.&M. Castaic Junction Field, in Los Angeles County, were witnessed on 11-16-93. Pete Wygle, representative of the supervisor, was present from 0800 to 0815. There were also present C. Ballard, Operator's Rep.

Present condition of well: 10 3/4" cem 791'; 5 1/2" cem 10,976', perf 10,650' WSO, perf 100' - 120', perf & sqz 771' - 791', perf 10,680' - 10,750', @ ints 10,785' - 10,839' (cem off), & 10,853' - 10,860'. TD 10,978'. Junk: Pkr @ 10,640'. Plugged w/BP @ 10,848', w/51 sx of cem below ret @ 10,773', w/cem 10,773' - 10,770', 10,745' - 10,440', 806' - 612', & 155' - 5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

scv

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

E550

DIVISION OF OIL AND GAS
Cementing/Plugging Memo

1210-211

Operator Exxon Corp. Well No. "Newhall Land & Farming Co" 4
API No. 037-16509 Sec. 24, T. 4N, R. 17W, SB B&M
Field Castaic Jct, County LA. On 1-16-93,
Mr./Ms. P. Wyatt, representative of the supervisor, was present from 0845 to 2015.
There were also present C. Ballard, operator's rep.

CASING RECORD OF WELL: 10-3/4" cem 791'; 5-1/2" cem 10,976', cmtd 10,650' bdc, perf 100'-102', perf & sqz 771'-791', cmtd 10,680'-10,780', & into 10,782'-10,839' (est eff), & 10,850'-10,860', TD 10,975', Junk: Pkr @ 10,640'. Plugged w/SF & 10,745', w/51 sx of cem below ret & 10,777', w/ cem 10,777'-10,770', 10,745'-10,440', 806'-612', & 155'-5'.

The operations were performed for the purpose of abandonment

☒ The plugging/~~cementing~~ operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @_____' is approved.

Hole size:_____" fr._____' to_____', _____" to_____' & _____" to_____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

perf 4 sqz 5-1/2" shot/cut at 791', 100', _____' pulled fr._____';
Casing/~~tubing~~ recovered: _____" shot/cut at _____', _____', _____' pulled fr._____'.

Junk (in hole):

Hole fluid (bailed to) at_____'. Witnessed by

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.2 ppg	11-3-93	220	tbg 10,640'	~	to surf	PRW

CO 10,745'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
11/3	40 cf	tbg 10,745'			10,640'	Bbl sample	11-4 0830	PRW
11/4	103 cf	✓ 806'			612'	wt sample	11-5 1030	PRW
11/5	80 cf	✓ 155'	0900	PRW	5'	Visual	11-6 0830	PRW

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS
AND GEOTHERMAL RESOURCES

No. P293-218
Field Code 126
Area Code 00
New Pool Code --
Old Pool Code 15

PERMIT TO CONDUCT WELL OPERATIONS

EXXON Corporation
Attn: Env. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
July 8, 1993

Your proposal to abandon well "Newhall Land & Farming Co." 42, A.P.I. No. 037-16509, Section 24, T. 4 N, R. 17W, S.B. B.&M., Castaic Junction field, --- area, 15 pool, Los Angeles County, dated 6-30-93, received 7-7-93, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Blowout prevention equipment conforming to DOG Class II 2M requirements shall be installed and maintained in operating condition at all times.
2. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
3. A diligent effort shall be made to clean out the well to at least 10,770'.
4. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 72 lbs./cu. ft. and a minimum gel-shear strength (10 min.) of 25 lbs./100 sq. ft.
5. This office shall be consulted before deviating from the proposed abandonment program.

Continued on Page 2

Blanket Bond
PK:SF:nr

Engineer Steve Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, Jr.
Acting State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.
OG111

6. THIS DIVISION SHALL BE NOTIFIED:
   a. To witness the location and hardness of the cement plug at 10,550'.
   b. To witness the mudding of the well.
   c. To witness the squeeze-cementing of the 7" casing through the perforations at 771'.
   d. To witness the location and hardness of the cement plug at 673'.
   e. To witness the placing of cement inside the 7" casing and all annuli.
   f. THE PROPOSED OPERATION COVERING WORK ALREADY COMPLETED IS APPROVED.

DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GA

NOTICE OF INTENTION TO ABANDON WELL

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	BB	7-7-93	✓

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well No. Newhall Land & Farming Co. #42 (Well designation), API No. 037-16509

Sec. 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field, Los Angeles County.

commencing work on 7/15, 1993.

The present condition of the well is:

1. Total depth 10,978'

2. Complete casing record, including plugs and perforations
   10 3/4" 40.5# casing @ 0'-791'
   5 1/2" 17/20# casing @ 0'-10,976'
   Plug back T.D.10,770' perfs: 10,680'-10,750' WSO: 10,640'

3. Last produced 8/86 7 41 45
   (Date) (Oil, B/D) (Water, B/D) (Gas, Mcf/D)

   OR

4. Last injected _____
   (Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Addtional Data for dry hole (show depths)

5. Uppermost oil or gas shows

   Top of Zone 15 : 10,680'

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 791'

5. Is this a critical well according to Section 1720(a), California Code of Regulations? Yes [X] No [ ]

The proposed work is as follows:

1 MIRU. Install and test a DOG class II 5M BOPE.
2. Clean to the bottom of the P.B.T.D. 5 1/2" casing @ 10,770'.
3. Place class "G" cement plug from 10,770'-10,540' cementing the 5 1/2" casing perfs, to 100' above WSO at 10,640' with TOC at 10,5- DOG to witness.
4. Shoot 4 SPF in the 5 1/2" casing @ 791'to 781' and place a class "G" cement plug from 791' to 691', squeezing the 5 1/2" x 10 3/4" annulus. DOG to witness.
5. Shoot 4 holes in the 5 1/2" casing @ 100' and circulate a class "G" cement plug from 100' to the surface getting returns in the casing/conductor annulus. DOG to witness.
6. Cut of casing @ 5' and weld plate with well identifier.
7. Clean location. DOG will inspect.

It is understood that if changes in this plan become necessary, we are to notify you immediately

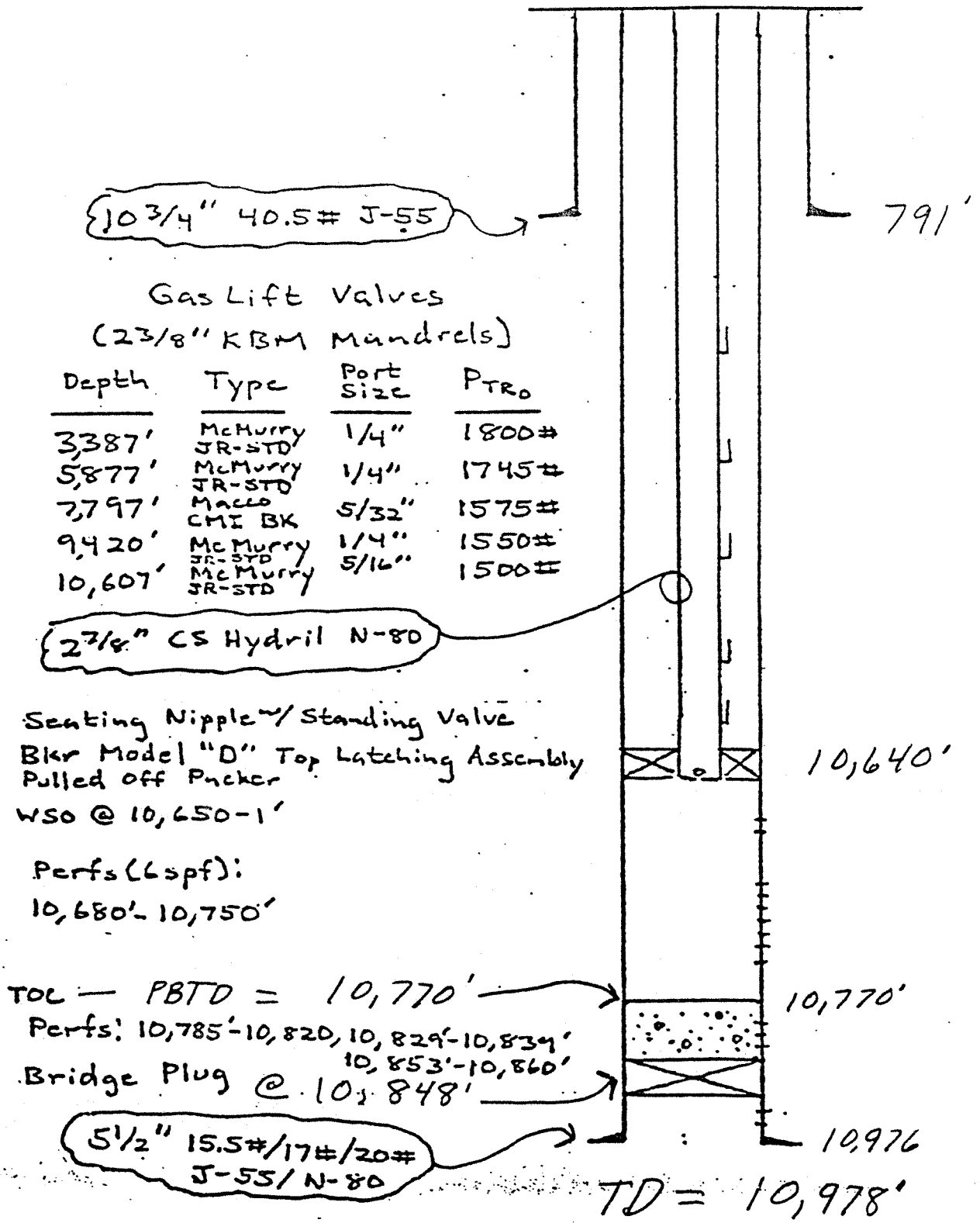
Address 25 Desta Drive P.O. Box 1600
(Street)
Midland, Tx. 79702
(City) (State) (Zip)
Telephone Number 915-688-7888

Exxon Corporation
(Name of Operator)
By Stephen Johnson
(Name-Printed)
S. Johnson 6/28/93
(Name-Signature) (Date)
Type of Organization Corporation

OG108

NL&F # 4

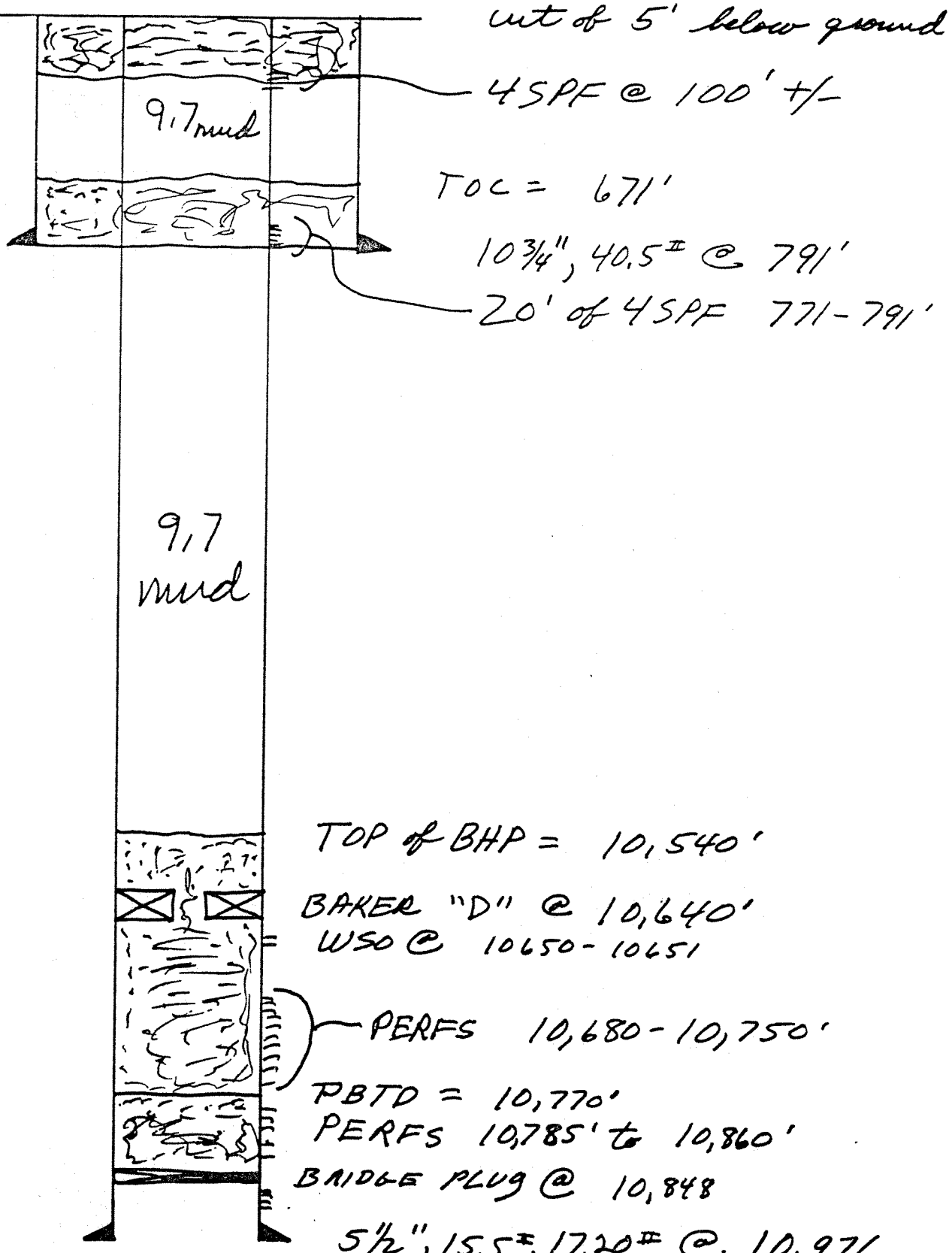
BEFORE ~~P&A~~



INLF 42

DMR

AFTER P+A



APPENDIX F:

DOGGR Oil Well Abandonment Procedures

DEPARTMENT OF CONSERVATION'S

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

District 2-Ventura

CONSTRUCTION PROJECT SITE REVIEW

AND

WELL ABANDONMENT PROCEDURE

OIL AND GAS WELL REVIEW PROCEDURE

Applicant	Permitting Office
Address	
City Zip	Mailing Address
Date	City Zip

Plan Check No. _____

Plan Checker _____
Print or Type Name Signature Phone Number

The proposed construction site is located at _____

_____

_____

There is/are _____ (number) active, idle, or abandoned well(s) located on or adjacent to the site; therefore, before a building/grading permit should be issued, The Division of Oil and Gas (Division) recommends that a site-plan review be obtained. The Division will determine if affected wells have been abandoned to current standards. Wells that are not abandoned to current standards may require abandonment/reabandonment. Cost of the required abandonment/reabandonment shall be the responsibility of the landowner or developer. (PRC Section 3208.1)

THE DIVISION OF OIL AND GAS RECOMMENDS THAT A DILIGENT EFFORT BE MADE TO AVOID BUILDING NEAR ANY WELL.

SITE REVIEW PROCEDURE TO BE FOLLOWED BY PROJECT APPLICANT

1. Contact and make an appointment with the Division at:

   California Department of Conservation
   Division of Oil, Gas, and Geothermal Resources
   1000 S. Hill Road Suite 116
   Ventura, CA. 93003-4458

2. Provide the following information: (EXAMPLE)

   a. Area, location.....Section, Township, and Range
   b. Oil field/County.....Placerita Oil Field, L.A. County
   c. Company/Operator.....XYZ Oil Company
   d. Well Designation....."Gusher" 1
   e. Section-Township-Range: 35-T5N-R17W
   f. Major Cross streets..Main Street and X street
      (or other identifier)

3. The Division will provide you with the location or record for each well. Using this information, uncover the well(s) and have the well locations(s) surveyed by a licensed surveyor. If any well cannot be located using the original description on file, a diligent effort, including excavation, must be made to locate it.

4. The following procedures are to be used to locate wells on site plans and to verify that an adequate search was completed.

Step 1. The developer/landowner shall survey the well locations using the "location of record". If the well cannot be found then excavate at least 15 feet long, 15 feet wide, and 12 feet dig. If any indications of an oil well (i.e. cellar, oilfield debris, oil- saturated soil) are observed, or if any information available that original conditions have changed since "location of record" was determined, a larger hole may be required.

Step 2. If the well is not located using the procedures listed in step #1, a metal detector should be used to survey the area (inside and outside the excavation).

Step 3. The developer/landowner shall excavate all indicated metal detector locations by digging a hole that is at least 10 feet long, 10 feet wide, and 12 feet deep, if necessary. If any indications of an oil well are observed upon completion of the excavation, or if there is any information available that original conditions have changed since the well was drilled, a larger hole may be required.

Step 4. The developer/landowner shall notify the Division to witness all completed excavations before they are refilled. Pictures shall be taken of all excavations. The survey of the well shall be available to the Division engineer for review.

Step 5. If the well search efforts prove unsuccessful, the Division engineer and the developer shall prepare written report describing the search procedures and attach the excavation pictures.

5. **All accessible previously plugged and abandoned wells located on the project site shall be tested for gas leakage and inspected for fluid leakage.** The testing/inspection shall be done by Division personnel or the developer. If the developer performs the test, the Division shall be notified to witness the test.

   If there is any indication of fluid or gas leakage, the well condition shall be remedied, even if the well will not be located nearby a structure. The cost of the reabandonment shall be the responsibility of the landowner or developer. (PRC Section 3208.1)

6. The location of each well must be plotted on the site plan. The well survey description must reference a point on the site plan which in turn must reference a point on existing Division maps. (Section corner, Rancho corner, latitude/longitude, etc.) Identify each well with the name of the company/operator and well designation. Submit **THREE** copies of the site plan and three copies of each well-location survey to the Division.

   If a developer/landowner locates a well within a 4-foot radius of the wells "location of record", there is no need to survey the actual well location. However, the developer/landowner must verify that the well was found within 4 feet of the "location of record".

   The site plans should indicate the property boundaries, an area of at least 25 feet outward from the perimeter of the property, any proposed or existing structures, and any existing or proposed roads or streets that pass through or are immediately adjacent to the property. The site plan should also include a plot (to scale) of all existing and proposed oilfield facilities (tanks, processing equipment, pipelines, etc.) that will be operating on the site after completion of the proposed development and include a description of the existing type and height of all oilfield enclosures and list any facility modifications that are part of the development plans.

   If a structure is proposed within 10 feet of an abandoned/reabandoned well, the site plans should include an approved well-vent system designed to vent natural gases to the atmosphere. If a structure is within 25 feet of a structure and the permitting agency is Los Angeles County then an approval letter from Los Angeles County Environmental Programs Division must be submitted.

7. A Division engineer will review the submitted plans. The Division will prepare a "Plan Review" (Form OG190), which will indicate the wells on the project site and our recommendations with respect to the wells.

After the review is complete, the reviewing engineer will affix the Division certification stamp to the three copies of the site plans and three copies of the FORM OG190. One copy will be returned to the applicant and one copy will be forwarded to the permitting agency. The remaining copy will be retained by the Division.

PLUGGING AND ABANDONMENT PERMIT PROCESS

1. Before any well operations are commenced, an application to plug and abandon or reabandon or extend casing for each well must be filed with the Division. (FORM OG108 or FORM OG123) This application must be outline the work proposed to upgrade the well to current requirements.

2. The Division will respond with a "Permit to Conduct Well Operations" that sets forth the conditions and requirements to be met.

3. When the well work is completed and all records received the Report of Well Plugging and Abandonment or Reabanonment will be issued.

IF, DURING THE CONSTRUCTION/GRADING PROCESS, ANY PREVIOUSLY UNKNOWN WELL IS DISCOVERED, THE DIVISION MUST BE NOTIFIED IMMEDIATELY, SO PLUGGING AND ABANDONMENT REQUIREMENTS CAN BE DETERMINED.

ONSHORE ABANDONMENT/REABANDONMENT REQUIREMENTS
DISTRICT 2

General

Plugging is required to protect life, health, property, deposits of oil, gas, or fresh water from loss or damage. A written notice (OG108) stating in detail the proposed method of abandonment, must be filed. For reabandonments, a written notice (OG1123) stating in detail, the proposed method of reabandonment, must be filed. All required downhole cement plugs shall use cement that has a minimum compressive strength of 1000 psi and a maximum liquid permeability of .1 md. No more than a 4% gel mixture shall be allowed. The sand/cement ratio for downhole muds is limited to 2:1.

Mudding

All portions of the hole not occupied by cement shall be filled with good quality, water-base mud fluid having proper weight and consistency to prevent movement of other fluids into the wellbore. Under "normal" conditions, proper weight and consistency is 72 lbs./cf with a minimum gel-shear strength (10 min.) 25 lbs./100 sq. ft.

Surface Pour

No aggregate concrete (NO ROCKS) may be used for surface plugs. The maximum sand/cement ration that is acceptable is 4:1. When there is more than one string of casing at the surface, cement shall be placed between. The preferred alliterative is to cut and pull all inside strings before the surface plug is placed. A surface cement-pour is permitted only in an empty hole with a diameter of not less than 5 inches. Depth limitations shall be determined on an individual well basis.

Bailers

Bailer placed cement plugs are limited to 3000' or less.

Junk in Hole

Diligent effort shall be made to recover junk when such junk may prevent proper abandonment. In the event that the junk cannot be removed and fresh-water or oil and gas zones penetrated below cannot therefore be properly abandoned, cement shall be down-squeezed through or past the junk and a 100-foot cement plug shall be placed on top of the junk. In the event that a retainer is used, then 100 foot plug shall be placed on top of the retainer.

Recovery of Casing

Approval to recover all casing possible will be given in the abandonment of wells where subsurface plugging can be done to the satisfaction of the Division.

Extending Casing

The final grade of the well shall be no greater than 5 feet below ground. In the event that the casing is to be extended, it shall be extended with adequate casing of the same size of the casing that is found at the surface. In addition, the casing shall be filled with cement.

Open Hole

Oil and Gas Zones- Cement plug shall be place from total depth or at least 100 feet below the bottom of each oil and gas zone, whichever is less, to at least 100 feet above the top of each zone.

Freshwater Zones- A minimum 200 foot cement plug shall be placed across all fresh-saltwater interfaces. An interface plug may be placed wholly within a thick shale if such a shale separates the freshwater sands from the brackish or saltwater sands.

Cased Hole

Oil and Gas zones- All perforations shall be plugged with cement and the plug shall extend at least 100 feet above the top of a landed liner, the uppermost perforations, the casing cementing point or the water shut-off holes, whichever is highest. (See CCR for special requirements)

Bridge plugs- A bridge plug above the lowermost zone in a multiple-zone completion my be allowed in lieu of cement through the lowermost zone if such lowermost zone is isolated from the upper zone by cement behind casing.

Fresh water zones- a 100 feet cement plug across the fresh water interface opposite cemented casing; in un-cemented casing, squeeze cementing sufficient cement to fill 200 feet behind casing and plug 100 feet above the perforations; or cavity shot immediately below the fresh water and cemented to 100 feet above the shot.

Surface Plugging

The well and all annuli shall be plugged from 30 feet to 5 feet. All casing shall be cut off 5 feet below the surface or the ground. In urban areas, a steel plate shall be welded on top of all casings.

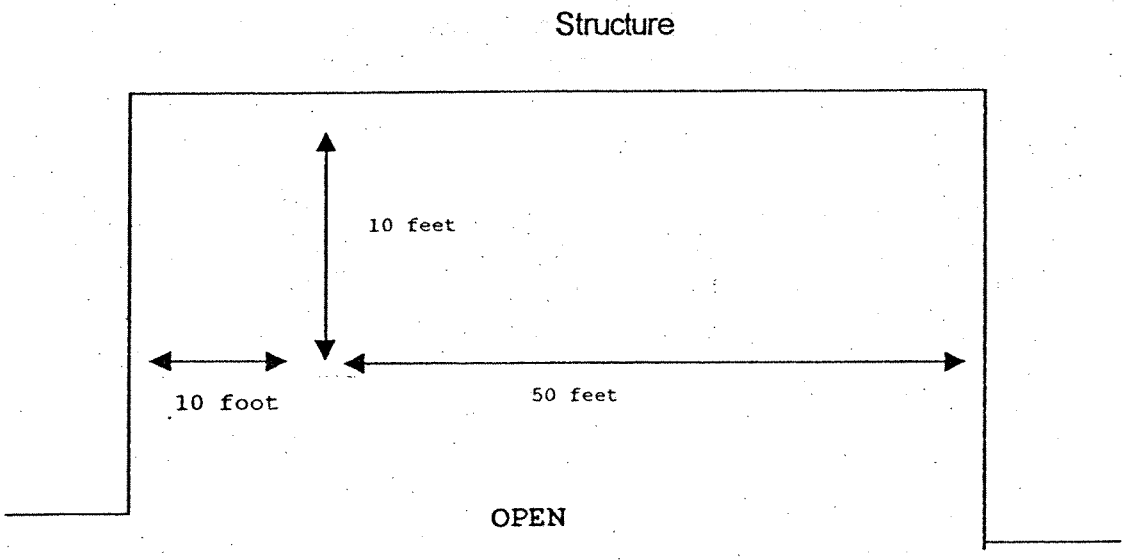
In the event that fill is proposed over the well, then the casing may have to be extended to have the top of the casing 5 feet below ground level.

Cleanup

Return surface to original condition as practical. Property owner with good reason may apply for exceptions. Contact Regional Water Quality Control Board for ground contamination problems. The cleanup must be performed within 60 days after the completion of the work.

NEARBY

Nearby is defined as being within 10 feet from the structure and/or property line, limited to any two adjacent sides of the well, and within 50 feet from the property line and/or structure on the third side of the well. The fourth side of the well shall always have open access.



Well Abandonment Contractors--District 2

Company Name	*Contact*	*Address*	*City*	*State*	*Phone #*	*License Number*
AATR Entertprises	Willie Smith	3249 South La Cienega Blvd	Los Angeles	CA	(213) 752-0055	629460
ACCES	Hamid Assadi	2034 Cotner Avenue 2nd Floor	Los Angeles	CA		557581
Access Drilling	E. Abill	2893 E La Palma Avenue	Anaheim	CA	(714)237-1187	763494
Accurate Excavating Inc	Kevin Hodges	27241 Burbank	Foothill Ranch	CA	(949) 598-7311	654063
Allan Walker Inc	Ed Levin	P O Box 82531	Bakersfield	CA	(661) 391-9152	493118
Allwaste Transportation & Remediation Inc	Jeff Bertoni	P O Box 431	San Ardo	CA	(831) 627-2595	534002
Arbor Services	Jim Staley	9155 Brown Deer Road Suite 1	San Diego	CA	(619) 687-5475	688532
Bud's Equipment Inc	Joe Lowry	P O Box 558	Coalinga	CA	(559) 935-2672	422391
CEDA Mechnical Services	Chris Davis	2756 St Louis Avenue	Signal Hill	CA	(562) 989-3650	722902
Clark Engineering Construction	Don Clark	2235 N Ventura Avenue	Ventura	CA	(805) 643-8119	627891
CMH Environmental Group Inc	Property Valuation	2501 E Chapman Avenue Suite 100	Fullerton	CA	(714) 447-4345	678295
DPH Contracting Services	Daniel Hencey	28101 Langside Avenue	Canyon Country	CA	(805) 298-4540	730421
Ecology Control Industries	Larry Hartzell	19500 Normandie Avenue	Torrance	CA	(310) 320-2555	741611
El Capitan Environmental Services Inc		722 W Wilson Avenue	Glendale	CA	(818) 265-1222	640045
Engineering Remediation Resource Group Inc	Randy Randall	4070 Nelson Avenue Suite B	Concord	CA	(925) 969-0750	743750
Env America Incorporated	Jim Larwood	16 Technology Drive Suite 154	Irvine	CA	(949) 453-9191	648559
EPS Engineering Services	Patrick Mbaba	P O Box 64365	Los Angeles	CA	(310) 826-9733	597765
First Energy Services	Mark Sterbenk	3143 Petrol Road	Bakersfield	CA	(661) 387-9300	756192
Fleet Cementers Inc	Ken Moon	1355 West Kern Street	Taft	CA	(661) 763-1859	727918
Foss Environmental Services	Robert Russell	909 East Harbor Drive	San Diego	CA	(619) 234-3677	716581
Frost Equipment Rentals L.P.	Owen Clark	250 South Hallock Drive	Santa Paula	CA	(805) 933-3334	763960
Gary Drilling Company	Troy Azlin	7001 Charity Avenue	Bakersfield	CA	(800) 443-5925	222619

Company Name	Contact	Address	City	State	Phone #	License Number
GCE Technologies	Sharon Bison	17244 Darwin Suite J	Hesperia	CA	(714) 632-9969	724889
Gradient Engineers Inc	Nick Berzins	17781 Cowan Suite 140	Irvine	CA	(949) 477-0555	734297
Grayson Service Inc	Bob Grayson	4004 South Enos Lane	Bakersfield	CA	(661) 399-6300	287659
Halliburton Energy Services Inc	Kyle Holden	5500 Ming Avenue Suite 365	Bakersfield	CA	(661) 837-2971	256183
Jensen Drilling Co	Nancy Butler	1775 Henderson Avenue	Eugene	OR	(541) 726-7435	340115
KM Scrivner Inc	Jerry Deverick	P O Box 1075	Coalinga	CA	(559) 935-0815	485655
Minco Construction	Refaat Mina	P O Box 1273	Redondo Beach	CA	(310) 376-2929	612429
MMI Services Inc	David Knoeb	6400 Price Way	Bakersfield	CA	(661) 589-9366	684884
Oil Well Service Company	Paul Braden	1241 E Burnett Street	Long Beach	CA	(562) 595-4501	178480
PC Exploration Inc	Parris Baker	1780 Vernon Street Suite 3	Roseville	CA	(916) 783-9733	265556
Pool California Energy Services Inc	Tim Barman	1025 Earthmover Court	Bakersfield	CA	(661) 588-6140	115753
Protec Engineering Services Inc	Kay Akinrele	11288 Ventura Blvd Suite 284	Studio City	CA	(818) 704-6331	716350
QST Environmental	Tom Gibbons	235 East Clark Ave	Orcutt	CA	(805) 938-7952	658022
Randoph Construction	Don Randolph	P O Box 430	Santa Maria	CA	(805) 349-1275	693014
Redi Rental and Leasing	Thurman Rock	841 E. Washington Avenue	Santa Ana	CA	(714) 547-9012	630433
RMR Inc	Mario Perea	P O Box 1715	Santa Maria	CA	(805) 928-4013	535800
SI Nor Inc	Silas Ugorji	1345 Fitzgerald Avenue Suite F	Rialto	CA	(909) 820-4010	717123
Suma Pacific Corp	Rich Steward	P O Box 1251	Grants Pass	OR	(541) 479-1461	461280
Tetra Tech Inc	Dennis Zafuto	3201 Airpark Drive Suite 108	Santa Maria	CA	(805) 739-2600	551555
The Reynolds Group		250 El Camino Real Suite 204	Tustin	CA	(714) 730-5397	659765
Tidelands Oil Production Company	Mark Kapelke	P O Box 1330	Long Beach	CA	(562) 436-9918	681859
Trak Environmental Group Inc	Bradford Newman	4125 Market Street Suite 19	Ventura	CA	(805) 650-5333	709623
Wayne Perry Inc	Richard Kreis	11230 Gold Express Drive, Suite 31	Gold Rive	CA	(916) 635-6719	300345
Western Colima Corporation	David Nowel	1780 E McFadden Avenue Suite 11	Santa Ana	CA	(714) 542-2644	638004
WZI Inc.	Tom Gibbons	235 E. Clark Avenue, Suite C	Orcutt	CA	(805) 937-2040	629898

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CARDS ☐
BOND ☐
OGD114 ☐
OGD121 ☐

Notice of Intention to Abandon Well

File in Duplicate

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well _____ **API No.** _____ **Sec.** _____ **T.** _____ **R.** _____ _____ **B.&M.**

_____ **Field** _____ **County, starting work on** _____

The present condition of the well is	***Additional data for dry hole (show depths)***
1. Total depth:	**1. Oil or gas shows:**
2. Complete casing record, with plugs and perforations (present hole):	**2. Stratigraphic markers:**
	3. Formation and age at total depth:
3. Date last produced or injected:	**4. Base of freshwater sands:**

Is this a critical well according to the definition on the reverse side of this form (or on page 2 if you are using the Internet)?

☐ Yes ☐ No

The proposed work is as follows:

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address _____ (Street)

_____ (City) (State) (Zip)

Telephone Number _____ (Area Code) (Number)

_____ (Name of Operator)

By _____ (Print Name)

_____ (Signature) (Date)

OG108 (9/00)

CRITICAL WELL

As defined in the California Administrative Code, Title 14, Section 1720 (a), "Critical well" means a well within:

(1) 300 feet of the following:
   (A) Any building intended for human occupancy that is not necessary to the operation of the well; or
   (B) Any airport runway.

(2) 100 feet of the following:
   (A) Any dedicated public street, highway, or nearest rail of an operating railway that is in general use;
   (B) Any navigable body of water or watercourse perennially covered by water;
   (C) Any public recreational facility such as a golf course, amusement park, picnic ground, campground, or any other area of periodic high-density population; or
   (D) Any officially recognized wildlife preserve.

Exceptions or additions to this definition may be established by the supervisor upon his own judgment or upon written request of an operator. This written request shall contain justification for such an exception.

07/01/04

2004 DOGGR Dist 2 Well Abandonment Contractors List

ID	Company Name	Contact	Address	City State Zip	Phone Number
1	Alaska Petroleum Environmental Eng.,Inc.	Mr. R. Glenn Stillman	P O Box 5365	Garden Grove CA 92846	(714) 897-2733
2	Allied Engineering & Construction	Ms. Tiffiny Lyons	4700 Stockdale Hwy, Suite 140	Bakersfield CA 93309	(661) 325-5700
3	APT General Contractors	Mr. Russ Elrod	P.O. Box 2124	Bakersfield CA 93303	(661) 323-0343
4	BIGOL Services, Inc.	Israel Ola	8707-D Lindley Ave., Suite 173	Northridge CA 91325	(818) 576-9940
5	Brittan Industries, Inc.	Connie Smithson	260 Fairfax Road	Bakersfield CA 93307	(661) 366-5435
6	CMH Environmental Group, Inc.	Property Valuation Div.	2501 E Chapman Ave., Suite 10	Fullerton CA 92831	(714) 333-2220
7	Deltech Engineering, Inc.	Ebbiteanga Abili	1411 N. Batavia St., Suite 216	Orange CA 92867	(714) 289-1866
8	Earth Tech, Inc.	Mr. Anthony Lizzi	100 W. Broadway, Suite 240	Long Beach CA 90802-4443	(562) 951-2324
9	Ecology Control Industries	Mr. Rudy Merritt	2055 N Ventura Ave.	Ventura CA 93001-1308	(805) 648-5123
10	Environmental Assessment & Remediation	Ravi Pendurthi	12201 Magnolia Ave., Suite 100	Riverside CA 92503	(909) 735-5575
11	Key Energy Services - California	Mr. Monte Bertsch	18835 Highway 65	Bakersfield CA 93308	(661) 399-0621
12	KOMEX	Sean Rakhshani	5455 Garden Grove Bl., 2nd Fl.	Westminster CA 92683-8201	(714) 379-1157
13	Lindmark Engineering	Mr. Mark Pacino	5900 Cherry Ave.	Long Beach CA 90805-4408	(562) 423-0600
14	Macoy Resource Corporation	Mr. Gary Camack	P O Box 3980	Paso Robles CA 93447	(805) 227-1090
15	Manuel Brothers, Inc.	Mr. Sean Kilgrow	908 Taylorville Road, Suite 104	Grass Valley CA 95949	(530) 272-4213
16	Minco Construction	Refaat Mina	P O Box 1273	Redondo Beach CA 90278	(310) 534-2504
17	MMI Services, Inc.	Mr. Richie McGowan	6400 Price Way	Bakersfield CA 93308	(661) 589-9366
18	Oil Well Service Company	Mr. Joe Campen	1241 E Burnett Street	Long Beach CA 90806	(562) 595-4501
19	Pacific States Environmental Contractors	Mr. Pete Timmerman	11555 Dublin Blvd.	Dublin CA 94568	(925) 803-4333
20	Pool Well Services Company	Mr. Richard Windes	2567 Ventura Ave.	Ventura CA 93001-5400	(805) 648-2731
21	RMR, Inc	Mr. Mario Perea	P O Box 1715	Santa Maria CA 93456	(805) 928-4013
22	Shaw Group of California	Mr. Gary Locke	4005 Port Chicago Highway	Concord CA 94520	(925) 288-2150
23	SI Nor, Inc	Mr. Silas Ugorji	1345 Fitzgerald Ave., Suite F	Rialto CA 92376	(909) 820-4010
24	The Pressure Grout Company	Husam Baki	1975 National Ave.	Hayward CA 94545-1709	(510) 887-2244
25	Tidelands Oil Production Co.	Mr. Mark Kapelke	P O Box 1330	Long Beach CA 90801	(562) 436-9918
26	Torch Rig Services, Inc.	Mr. Bob Grayson, Jr.	20301 Stockdale Highway	Bakersfield CA 93312	(661) 589-5338
27	Trak Environmental Group, Inc.	Mr. Bradford Newman	3637 B Arundel Circle	Ventura CA 93003-4977	(805) 650-5333
28	West Star Environmental, Inc	Mr. Phillip Mendrin	4688 W. Jennifer, Suite 101	Fresno CA 93722	(559) 277-9378

APPENDIX G:

Government Records Report

The EDR Radius Atlas™ with GeoCheck®

1250 Acre Parcel
1250 Acre Parcell
Valencia, CA 91355

Inquiry Number: 01316204.1r

November 29, 2004

EDR™ Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

FORM-MOR

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Details Maps	3
Map Findings Summary	12
Map Findings	14
Orphan Summary	274
EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1
GEOCHECK ADDENDUM	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-44

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

1250 ACRE PARCELL
VALENCIA, CA 91355

COORDINATES

Latitude (North):	34.421600 - 34° 25' 17.8"
Longitude (West):	118.610500 - 118° 36' 37.8"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	352002.1
UTM Y (Meters):	3809884.0
Elevation:	1192 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	34118-D5 NEWHALL, CA
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS..... Corrective Action Report
RCRIS-TSD..... RCRAInfo

STATE ASTM STANDARD

AWP..... Annual Workplan Sites

EXECUTIVE SUMMARY

Cal-Sites..... Calsites Database
Notify 65..... Proposition 65 Records
Toxic Pits..... Toxic Pits Cleanup Act Sites
CA BOND EXP. PLAN..... Bond Expenditure Plan
VCP..... Voluntary Cleanup Program Properties
INDIAN UST..... Underground Storage Tanks on Indian Land
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
Delisted NPL..... National Priority List Deletions
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
PADS..... PCB Activity Database System
UMTRA..... Uranium Mill Tailings Sites
ODI..... Open Dump Inventory
FUDS..... Formerly Used Defense Sites
DOD..... Department of Defense Sites
INDIAN RESERV..... Indian Reservations
RAATS..... RCRA Administrative Action Tracking System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems
FTTS INSP..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

CLEANERS..... Cleaner Facilities
DEED..... List of Deed Restrictions
NFE..... Properties Needing Further Evaluation
SCH..... School Property Evaluation Program
REF..... Unconfirmed Properties Referred to Another Agency
NFA..... No Further Action Determination
AOCONCERN..... San Gabriel Valley Areas of Concern

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas..... Former Manufactured Gas (Coal Gas) Sites

BROWNFIELDS DATABASES

US BROWNFIELDS..... A Listing of Brownfields Sites
VCP..... Voluntary Cleanup Program Properties

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL ASTM STANDARD

CERCLIS-NFRAP: As of February 1995. CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund Action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

A review of the CERC-NFRAP list, as provided by EDR, and dated 08/10/2004 has revealed that there is 1 CERC-NFRAP site within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
GRUBER SYSTEMS, INC.	***25636 AVE STANFORD***	***1 - 2 ENE***	***AG183***	***165***

RCRA INFO: RCRAInfo is EPA's comprehensive information system, providing access to data supporting and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or or dispose of the waste.

A review of the RCRIS-LQG list, as provided by EDR, and dated 08/10/2004 has revealed that there are 9 RCRIS-LQG sites within approximately 2 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CINETECH, INC.	***27200 TOURNEY ROAD***	***1 - 2 E***	***BF307***	***247***

Lower Elevation	Address	Dist / Dir	Map ID	Page
T A MANUFACTURING CO	***28065 W FRANKLIN PKWY***	***1 - 2 NW***	***36***	***45***
DELTA PRINTING SOLUTIONS INC	***28210 N AVE STANFORD***	***1 - 2 NE***	***U109***	***113***
POLYCARBON, INC	***28176 N AVE STANFORD***	***1 - 2 NE***	***T115***	***118***
STELLEX PARAGON PRECISION	***26150 W TECHNOLOGY DR***	***1 - 2 NE***	***AE177***	***159***

Lower Elevation	Address	Dist / Dir	Map ID	Page
GRUBER SYSTEMS, INC.	***25636 AVE STANFORD***	***1 - 2 ENE***	***AG183***	***165***
DEL WEST ENGINEERING	***28128 W LIVINGSTON AVE***	***1 - 2 NW***	***AI189***	***169***
PHARMAVITE LLC	***28305 W LIVINGSTON AVE***	***1 - 2 NW***	***AZ290***	***234***
3 D SYSTEMS INC	***26081 AVENUE HALL***	***1 - 2 NE***	***BD298***	***241***

RCRA INFO: RCRAInfo is EPA's comprehensive information system, providing access to data supporting and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 08/10/2004 has revealed that there are 50 RCRIS-SQG sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
NEWHALL LAND AND FARMING CO	***28756 CASTAIC CANYON RD***	***1 - 2 NNE***	***D22***	***32***
TRI R TRUCKING	***28748 CASTAIC CYN RD***	***1 - 2 NNE***	***D24***	***33***
CHEVRON STATION 9 1899	***28805 THE OLD RD***	***1 - 2 NNE***	***G44***	***53***
CALTRANS NORTH REGION OFFICE	***28820 N THE OLD RD***	***1 - 2 N***	***I51***	***55***
CHEVRON STATION NO 95436	27549 THE OLD RD	1 - 2 ENE	L67	65
CHEVRON STATION NO 95436	***27549 THE OLD RD***	***1 - 2 ENE***	***L70***	***69***
CHEVRON STATION 35979	***27640 THE OLD ROAD***	***1 - 2 ENE***	***M73***	***72***
JOHNSON CONTROLS	***29380 THE OLD RD***	***1 - 2 N***	***N90***	***88***
APPLIED COMPANIES	***28020 AVENUE STANFORD***	***1 - 2 NNE***	***P96***	***92***
EXCEL MANUFACTURING INC	***28059 AVENUE STANFORD***	***1 - 2 NNE***	***Q97***	***94***
SIX FLAGS MAGIC MOUNTAIN	***26101 MAGIC MOUNTAIN PK***	***1 - 2 E***	***S104***	***101***
ANSWER PRODUCTS	***28209 AVE STANFORD***	***1 - 2 NE***	***T106***	***111***
R A H INDUSTRIES	***26037 HUNTINGTON LN***	***1 - 2 NE***	***U126***	***130***
SEMCO INSTRUMENTS INC	***25702 RYE CANYON RD***	***1 - 2 ENE***	***Y140***	***136***
H R TEXTRON INC BLDG 11	***25709 W RYE CYN ROAD***	***1 - 2 ENE***	***Y144***	***138***
H R TEXTRON	***28113-28115 AVENUE STAN***	***1 - 2 NE***	***W148***	***139***
FOXBORO COMPANY THE	***28020 AVE STANFORD***	***1 - 2 ENE***	***AC159***	***145***
MIKE MANNING	***26007 HUNTINGTON LN***	***1 - 2 NE***	***AA162***	***147***
R A H INDUSTRIES	***28035 HARRISON PKWY***	***1 - 2 NW***	***AD170***	***154***
M W SAUSSE & CO, INC	***25590 W AVE STANFORD***	***1 - 2 ENE***	***Y174***	***156***
H R TEXTRON INC BLDG 10	***25572 AVE STANFORD***	***1 - 2 ENE***	***Y175***	***157***
XENOTRONIX INC	***26074 AVENUE HALL UNIT***	***1 - 2 NE***	***AH185***	***167***
EBENSTEINER CASTAIC SHOP	***30305 THE OLD ROAD***	***1 - 2 N***	***194***	***174***
PETER LEIGHTI MFG	***25520 W AVE STANFORD NO***	***1 - 2 ENE***	***AL206***	***181***
T V FANFARE PUBLICATIONS	***25620 RYE CANYON RD***	***1 - 2 ENE***	***AK209***	***183***
LUSTRO PLASTICS CO	***25525 AVE STANFORD***	***1 - 2 ENE***	***AL212***	***185***
T Z PRODUCTIONS	***28165 AVENUE CROCKER***	***1 - 2 NE***	***AN224***	***191***
CASTAIC BOAT AND MARINE	***30517 THE OLD RD***	***1 - 2 N***	***AP227***	***195***
ADVANCED TECH MACHININGS	***28210 AVE CROCKER NO 30***	***1 - 2 NE***	***AN228***	***198***
DYER GRINDING	***28220 AVE CROCKER NO 40***	***1 - 2 NE***	***AQ236***	***203***
ZIERHUT DESIGN ASSOCIATES	***25570 RYE CYN RD SUITE***	***1 - 2 ENE***	***AM238***	***204***
BREWER INT	***28130 AVE CROCKER NO 30***	***1 - 2 NE***	***AR239***	***204***

Lower Elevation	Address	Dist / Dir		Map ID	Page
WEST COAST X RAY	*28150 AVE CROCKER 215*	*1 - 2*	*NE*	*AR240*	*205*
JIM GRUBBS	*28130 AVE CROCKER 331*	*1 - 2*	*NE*	*AR241*	*206*
WESTERN LASER GRAPHICS INC	*28177 AVE CROCKER*	*1 - 2*	*NE*	*AR242*	*207*
EBENSTEINER CO	*30629 THE OLD ROAD*	*1 - 2*	*N*	*AP258*	*214*
SHOT MAKER THE	*28145 CROCKER AVE*	*1 - 2*	*NE*	*AR261*	*217*
THE PRINT HOUSE	*28170 AVE CROCKER SUITE*	*1 - 2*	*NE*	*AU263*	*219*
MS SHIRT	*28170 CROCKER AVE NO 10*	*1 - 2*	*NE*	*AU264*	*220*
LANDMARK ROBOSHOP INC	*25571 RYE CANYON RD*	*1 - 2*	*ENE*	*AT268*	*221*
I W INDUSTRIES INC	*28238 AVENUE CROCKER*	*1 - 2*	*NE*	*AX280*	*226*
BUTLER IND, INC	*25540 RYE C CANYON RD*	*1 - 2*	*ENE*	*AY284*	*229*
CAPTIVE AIR	*25461 W RYE CANYON RD*	*1 - 2*	*ENE*	*BC303*	*244*
BLOOMERS METAL STAMPINGS INC	*25445 RYE CANYON RD*	*1 - 2*	*ENE*	*BG312*	*249*
MAZZEO PAINTING CO INC	*26074 AVENUE HALL UNIT*	*1 - 2*	*NE*	*314*	*252*
S H M	*25433 RYE CANYON RD*	*1 - 2*	*ENE*	*BG318*	*254*
VALENCIA COUNTRY CLUB	*27330 N TOURNEY RD*	*1 - 2*	*E*	*BH321*	*255*
PARDEE SUBSTATION	25401 RYE CANYON RD.	1 - 2	ENE	BG329	262
GARDENAMERICA CORP VALENCIA OP	*27940 BEALE CT*	*1 - 2*	*ENE*	*BG336*	*263*
ELECTROFILM MFG COMPANY	*25395 RYE CANYON ROAD*	*1 - 2*	*ENE*	*BG343*	*269*

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2003 has revealed that there are 6 ERNS sites within approximately 2 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir		Map ID	Page
CASTAIC JUNCTION FIELD **	CASTAIC JUNCTION FIELD	1/4 - 1/2	ENE	1	14

Lower Elevation	Address	Dist / Dir		Map ID	Page
27544 THE OLD RD AT WENDY'S	27544 THE OLD RD AT WEN	1 - 2	ENE	L71	70
28176 AVE STANFORD	28176 AVE STANFORD	1 - 2	NE	T112	118
28170 AVENUE CROCKER	28170 AVENUE CROCKER	1 - 2	NE	AN222	190
28238 CROCKER AVENUE	28238 CROCKER AVENUE	1 - 2	NE	AX278	225
29225 QUINCY ST	29225 QUINCY ST	1 - 2	NNW	311	249

STATE ASTM STANDARD

CHMIRS: The California Hazardous Material Incident Report System contains information on reported hazardous material incidents, i.e., accidental releases or spills. The source is the California Office of Emergency Services.

A review of the CHMIRS list, as provided by EDR, and dated 12/31/2003 has revealed that there are 10 CHMIRS sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir		Map ID	Page
Not reported	*28201 FRANKLIN PKWY, B*	*1 - 2*	*NW*	*K59*	*58*
UNITED STATES POSTAL SERVICE-P	*28201 FRANKLIN PARKWAY*	*1 - 2*	*NW*	*K60*	*60*
Not reported	29300 THE OLD ROAD	1 - 2	N	N75	73
LACO SHERIFF'S DEPT/P PHR	*29300 THE OLD ROAD*	*1 - 2*	*N*	*N83*	*81*
Not reported	2550 MAGIC MOUNTAIN PAR	1 - 2	E	S118	121

Lower Elevation	Address	Dist / Dir		Map ID	Page
Not reported	S/B I-5 @ MAGIC MOUNTAI	1 - 2	E	Z166	148
Not reported	I-5 N/O MAGIC MTN PRKWY	1 - 2	E	Z167	150
Not reported	I-5 N/B NO/MAGIC MTN CH	1 - 2	E	Z168	151
Not reported	I-5 S/SR 126 CASTAIC IN	1 - 2	E	Z169	152
Not reported	N/B I-5, CASTAIC INSP F	1 - 2	N	AP262	218

CORTESE: This database identifies public drinking water wells with detectable levels of contamination, hazardous substance sites selected for remedial action, sites with known toxic material identified through the abandoned site assessment program, sites with USTs having a reportable release and all solid waste disposal facilities from which there is known migration. The source is the California Environmental Protection Agency/Office of Emergency Information.

A review of the Cortese list, as provided by EDR, has revealed that there are 16 Cortese sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir		Map ID	Page
SCHWARTZ OIL CO.	*27241 HENRY MAYO DR*	*1 - 2*	*NNW*	*B8*	*18*
LA CO FIRE STATION #076	*27223 HENRY MAYO DR*	*1 - 2*	*NNW*	*B10*	*21*
NEWHALL LAND & FARMING	*27230 HENRY MAYO RD*	*1 - 2*	*N*	*C17*	*25*
NEWHALL LAND & FARMING	*28760 CASTAIC CANYON RD*	*1 - 2*	*NNE*	*D20*	*28*
TRI-R-TRUCKING	*28748 CASTAIC CANYON RD*	*1 - 2*	*NNE*	*D25*	*34*
VALENCIA WATER RECLAMATIO	*28185 THE OLD*	*1 - 2*	*NE*	*E33*	*41*
CHEVRON STATION 9 1899	*28805 THE OLD RD*	*1 - 2*	*NNE*	*G44*	*53*
CHEVRON #9-5436	27549 THE OLD	1 - 2	ENE	L64	65
CHEVRON #3-5979	*27600 THE OLD RD*	*1 - 2*	*ENE*	*M72*	*70*
SIX FLAGS MAGIC MOUNTAIN	*26101 MAGIC MOUNTAIN PK*	*1 - 2*	*E*	*S104*	*101*
POLYCARBON DIVISION	*28176 STANFORD AVE N*	*1 - 2*	*NE*	*T111*	*115*
DIXIE DIESEL STATION	*29471 THE OLD ROAD*	*1 - 2*	*N*	*X124*	*127*
SOUTHERN CA EDISON CO	*25625 RYE CANYON RD W*	*1 - 2*	*ENE*	*AK203*	*178*
ADI FACILITY INC.	*25540 RYE CANYON RD*	*1 - 2*	*ENE*	*AY287*	*231*
UNIDEN VALENCIA INC.	*27330 TOURNEY RD*	*1 - 2*	*E*	*BH322*	*256*
WESTERN AMERICAN MFG., IN	25395 RYE CNYN	1 - 2	ENE	BG341	266

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir		Map ID	Page
LACO SHERIFF'S DEPT/P PHR	*29300 THE OLD ROAD*	*1 - 2*	*N*	*N83*	*81*

WMUDS/SWAT: The Waste Management Unit Database System is used for program tracking and inventory of waste management units. The source is the State Water Resources Control Board.

A review of the WMUDS/SWAT list, as provided by EDR, has revealed that there is 1 WMUDS/SWAT site within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
UNIVERSAL BY-PRODUCTS-VALENCIA	29201 SAUGUS-VENTURA RO	1 - 2 W	AV273	223

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 10/13/2004 has revealed that there are 19 LUST sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
SCHWARTZ OIL CO.	***27241 HENRY MAYO DR***	***1 - 2 NNW***	***B8***	***18***
LA CO FIRE STATION #076	***27223 HENRY MAYO DR***	***1 - 2 NNW***	***B10***	***21***
NEWHALL LAND & FARMING	***27230 HENRY MAYO RD***	***1 - 2 N***	***C17***	***25***
NEWHALL LAND & FARMING	***28760 CASTAIC CANYON RD***	***1 - 2 NNE***	***D20***	***28***
TRI-R-TRUCKING	***28748 CASTAIC CANYON RD***	***1 - 2 NNE***	***D25***	***34***
VALENCIA WATER RECLAMATION PLA	***28185 THE OLD RD***	***1 - 2 NE***	***E30***	***38***
VALENCIA WATER RECLAMATIO	***28185 THE OLD***	***1 - 2 NE***	***E33***	***41***
CHEVRON #9-1899 (FORMER)	28805 THE OLD ROAD	1 - 2 NNE	G43	50
CHEVRON #9-5436	27549 THE OLD ROAD	1 - 2 ENE	L68	66
CHEVRON #3-5979	***27600 THE OLD RD***	***1 - 2 ENE***	***M72***	***70***
LA CO SHERIFF PJP HONOR	29300 THE OLD RD N	1 - 2 N	N82	79
SIX FLAGS MAGIC MOUNTAIN	***26101 MAGIC MOUNTAIN PK***	***1 - 2 E***	***S104***	***101***
POLYCARBON DIVISION	***28176 STANFORD AVE N***	***1 - 2 NE***	***T111***	***115***
DIXIE DIESEL STATION	***29471 THE OLD ROAD***	***1 - 2 N***	***X124***	***127***
STANDARD OIL CO. OF CALIF.	27541 TOURNEY RD N	1 - 2 E	AJ191	171
SOUTHERN CA EDISON CO	***25625 RYE CANYON RD W***	***1 - 2 ENE***	***AK203***	***178***
ADI FACILITY INC.	***25540 RYE CANYON RD***	***1 - 2 ENE***	***AY287***	***231***
UNIDEN VALENCIA INC.	***27330 TOURNEY RD***	***1 - 2 E***	***BH322***	***256***
WESTERN AMERICAN MFG., INC.	25395 RYE CANYON RD	1 - 2 ENE	BG342	267

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 10/13/2004 has revealed that there are 11 UST sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
SCHWARTZ OIL CO	***27241 HENRY MAYO DR***	***1 - 2 NNW***	***B7***	***16***
LA CO SAN DIS-VALENCIA WRC	28185 THE OLD RD	1 - 2 NE	E35	45
ASHDON DEVELOPMENT	***28120 THE OLD RD***	***1 - 2 NE***	***F38***	***48***
TEXACO STAR MART	28070 THE OLD RD	1 - 2 ENE	46	53
CALIFORNIA HIGHWAY PATROL	28648 THE OLD RD	1 - 2 NNE	H49	54
PACIFIC BELL CSTCCA11/KC-574	28618 THE OLD RD	1 - 2 NNE	H55	57
CHEVRON USA SS 095436	27549 THE OLD RD	1 - 2 ENE	L66	65
LA CO SHERIFF-PJP HONOR RANCHO	29300 THE OLD RD	1 - 2 N	N79	76
SIX FLAGS MAGIC MOUNTAIN	***26101 MAGIC MOUNTAIN PK***	***1 - 2 E***	***S104***	***101***
SCE - VALENCIA SERVICE CENTER	25625 RYE CANYON RD	1 - 2 ENE	AK200	176
UNIDEN VALENCIA INC	27330 TOURNEY RD	1 - 2 E	BH323	258

CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the CA FID UST list, as provided by EDR, has revealed that there are 8 CA FID UST sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
FIESTA RESORT TRAVEL VILLAGE	27946 HENRY MAYO RD	1 - 2 NNW	A6	15
LA CO FD FIRE STA #076	27223 HENRY MAYO DR	1 - 2 NNW	B12	23
SCHUARTI OIL CO. INC.	27241 HENRY MAYO RD	1 - 2 N	C16	25
CALIF HIGHWAY PATROL	28648 N THE OLD RD	1 - 2 NNE	H47	53
SIX FLAGS MAGIC MOUNTAIN	***26101 MAGIC MOUNTAIN PK***	***1 - 2 E***	***S104***	***101***
SOUTHERN CALIFORNIA EDISON	25625 W RYE CANYON	1 - 2 ENE	AM215	186
SOUTHERN CALIFORNIA EDISON	***25401 W RYE CANYON RD***	***1 - 2 ENE***	***BG339***	***265***
WESTERN AMERICAN MFG CO	25395 RYE CANYON RD	1 - 2 ENE	BG346	272

HIST UST: Historical UST Registered Database.

A review of the HIST UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 18 HIST UST sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
TRAVEL VILLAGE	27946 HENRY MAYO DR	1/2 - 1 NW	2	14
SCHWARTZ OIL CO	***27241 HENRY MAYO DR***	***1 - 2 NNW***	***B7***	***16***
FIRE STATION #76	27223 HENRY MAYO DR	1 - 2 NNW	B13	24
R.M. PYLES BOYS CAMP, INC.	27211 HENRY MAYO DR	1 - 2 NNW	B14	24
STOCKDALE MATERIALS CO., INC	28762 CASTAIC CANYON RD	1 - 2 NNE	D19	28
& V TRUCKING CO.	28748 CASTAIC CANYON RD	1 - 2 NNE	D26	37
VALENCIA WATER RECLAMATION PLA	***28185 THE OLD RD***	***1 - 2 NE***	***E30***	***38***
91899	28805 THE OLD ROAD	1 - 2 NNE	G42	49
95436	27549 THE OLD RD	1 - 2 ENE	L69	68
PETER . PITCHESS HONOR RANCH	29300 THE OLD RD	1 - 2 N	N81	77
HONOR RANCHO	28601 N. AVE. STANFORD	1 - 2 NE	R98	96
SIX FLAGS MAGIC MOUNTAIN	***26101 MAGIC MOUNTAIN PK***	***1 - 2 E***	***S104***	***101***
DIXXIE DIESEL TRUCK STOP #3	29471 THE OLD ROAD	1 - 2 N	X123	126
SAN FERNANDO DIST. OFFICE	25625 RYE CANYON RD	1 - 2 ENE	AK205	181
KEEBLER COMPANY	28238 CROCKER AVENUE	1 - 2 NE	AX282	228
COSMIC PLASTICS INC.	27955 BEALE CT	1 - 2 ENE	BG332	262
PARDEE SUBSTATION	25401 RYE CANYON RD	1 - 2 ENE	BG338	264
WESTERN AMERICAN MANUFACTURER	25395 RYE CANYON RD	1 - 2 ENE	BG347	272

FEDERAL ASTM SUPPLEMENTAL

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System

(CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 09/09/2004 has revealed that there are 68 FINDS sites within approximately 2 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir		Map ID	Page
CINETECH, INC.	*27200 TOURNEY ROAD*	*1 - 2*	*E*	*BF307*	*247*

Lower Elevation	Address	Dist / Dir		Map ID	Page
SCHWARTZ OIL CO INC	27241 HENRY MAYO DR	1 - 2	NNW	B9	20
NEWHALL LAND AND FARMING CO	*28756 CASTAIC CANYON RD*	*1 - 2*	*NNE*	*D22*	*32*
TRI R TRUCKING	*28748 CASTAIC CYN RD*	*1 - 2*	*NNE*	*D24*	*33*
LA CO., SANITATION DIST	28185 THE OLD RD	1 - 2	NE	E32	41
T A MANUFACTURING CO	*28065 W FRANKLIN PKWY*	*1 - 2*	*NW*	*36*	*45*
CHEVRON STATION 9 1899	*28805 THE OLD RD*	*1 - 2*	*NNE*	*G44*	*53*
CALTRANS NORTH REGION OFFICE	*28820 N THE OLD RD*	*1 - 2*	*N*	*I51*	*55*
DA/PRO RUBBER INC.	28635 BRAXTON AVENUE	1 - 2	NW	J61	63
CHEVRON STATION NO 95436	*27549 THE OLD RD*	*1 - 2*	*ENE*	*L70*	*69*
CHEVRON STATION 35979	*27640 THE OLD ROAD*	*1 - 2*	*ENE*	*M73*	*72*
LOS ANGELES COUNTY SHERIFF	29300 THE OLD ROAD	1 - 2	N	N76	74
PITCHESS HONOR RANCHO LANDFILL	29300 THE OLD RD	1 - 2	N	N80	76
JOHNSON CONTROLS	*29380 THE OLD RD*	*1 - 2*	*N*	*N90*	*88*
APPLIED COMPANIES	*28020 AVENUE STANFORD*	*1 - 2*	*NNE*	*P96*	*92*
EXCEL MANUFACTURING INC	*28059 AVENUE STANFORD*	*1 - 2*	*NNE*	*Q97*	*94*
SIX FLAGS MAGIC MOUNTAIN	*26101 MAGIC MOUNTAIN PK*	*1 - 2*	*E*	*S104*	*101*
ANSWER PRODUCTS	*28209 AVE STANFORD*	*1 - 2*	*NE*	*T106*	*111*
DELTA PRINTING SOLUTIONS INC	*28210 N AVE STANFORD*	*1 - 2*	*NE*	*U109*	*113*
POLYCARBON, INC	*28176 N AVE STANFORD*	*1 - 2*	*NE*	*T115*	*118*
R A H INDUSTRIES	*26037 HUNTINGTON LN*	*1 - 2*	*NE*	*U126*	*130*
MOBIL OIL NEWHALL ST.	25500 MAGIC MTN PKWY	1 - 2	E	Z138	135
SEMCO INSTRUMENTS INC	*25702 RYE CANYON RD*	*1 - 2*	*ENE*	*Y140*	*136*
H R TEXTRON INC BLDG 11	*25709 W RYE CYN ROAD*	*1 - 2*	*ENE*	*Y144*	*138*
H R TEXTRON	*28113-28115 AVENUE STAN*	*1 - 2*	*NE*	*W148*	*139*
FOXBORO COMPANY THE	*28020 AVE STANFORD*	*1 - 2*	*ENE*	*AC159*	*145*
MIKE MANNING	*26007 HUNTINGTON LN*	*1 - 2*	*NE*	*AA162*	*147*
R A H INDUSTRIES	*28035 HARRISON PKWY*	*1 - 2*	*NW*	*AD170*	*154*
M W SAUSSE & CO, INC	*25590 W AVE STANFORD*	*1 - 2*	*ENE*	*Y174*	*156*
H R TEXTRON INC BLDG 10	*25572 AVE STANFORD*	*1 - 2*	*ENE*	*Y175*	*157*
STELLEX PARAGON PRECISION	*26150 W TECHNOLOGY DR*	*1 - 2*	*NE*	*AE177*	*159*
GRUBER SYSTEMS, INC.	*25636 AVE STANFORD*	*1 - 2*	*ENE*	*AG183*	*165*
XENOTRONIX INC	*26074 AVENUE HALL UNIT*	*1 - 2*	*NE*	*AH185*	*167*
DEL WEST ENGINEERING	*28128 W LIVINGSTON AVE*	*1 - 2*	*NW*	*AI189*	*169*
EBENSTEINER CASTAIC SHOP	*30305 THE OLD ROAD*	*1 - 2*	*N*	*194*	*174*
VALENCIA AUTO	25625 W. RYE CANYON RD.	1 - 2	ENE	AK199	176
PETER LEIGHTI MFG	*25520 W AVE STANFORD NO*	*1 - 2*	*ENE*	*AL206*	*181*
T V FANFARE PUBLICATIONS	*25620 RYE CANYON RD*	*1 - 2*	*ENE*	*AK209*	*183*
LUSTRO PLASTICS CO	*25525 AVE STANFORD*	*1 - 2*	*ENE*	*AL212*	*185*
T Z PRODUCTIONS	*28165 AVENUE CROCKER*	*1 - 2*	*NE*	*AN224*	*191*
CASTAIC BOAT AND MARINE	*30517 THE OLD RD*	*1 - 2*	*N*	*AP227*	*195*
ADVANCED TECH MACHININGS	*28210 AVE CROCKER NO 30*	*1 - 2*	*NE*	*AN228*	*198*
CRYSTAL CORPORATION	30529 THE OLD RD.	1 - 2	N	AP231	200
DYER GRINDING	*28220 AVE CROCKER NO 40*	*1 - 2*	*NE*	*AQ236*	*203*
ZIERHUT DESIGN ASSOCIATES	*25570 RYE CYN RD SUITE*	*1 - 2*	*ENE*	*AM238*	*204*
BREWER INT	*28130 AVE CROCKER NO 30*	*1 - 2*	*NE*	*AR239*	*204*
WEST COAST X RAY	*28150 AVE CROCKER 215*	*1 - 2*	*NE*	*AR240*	*205*
JIM GRUBBS	*28130 AVE CROCKER 331*	*1 - 2*	*NE*	*AR241*	*206*

Lower Elevation	Address	Dist / Dir		Map ID	Page
WESTERN LASER GRAPHICS INC	*28177 AVE CROCKER*	*1 - 2*	*NE*	*AR242*	*207*
OASIS WEST	25555 STANFORD AVE.	1 - 2	ENE	AS250	211
EBENSTEINER CO	*30629 THE OLD ROAD*	*1 - 2*	*N*	*AP258*	*214*
SHOT MAKER THE	*28145 CROCKER AVE*	*1 - 2*	*NE*	*AR261*	*217*
THE PRINT HOUSE	*28170 AVE CROCKER SUITE*	*1 - 2*	*NE*	*AU263*	*219*
MS SHIRT	*28170 CROCKER AVE NO 10*	*1 - 2*	*NE*	*AU264*	*220*
LANDMARK ROBOSHOP INC	*25571 RYE CANYON RD*	*1 - 2*	*ENE*	*AT268*	*221*
I W INDUSTRIES INC	*28238 AVENUE CROCKER*	*1 - 2*	*NE*	*AX280*	*226*
BUTLER IND, INC	*25540 RYE C CANYON RD*	*1 - 2*	*ENE*	*AY284*	*229*
PHARMAVITE LLC	*28305 W LIVINGSTON AVE*	*1 - 2*	*NW*	*AZ290*	*234*
3 D SYSTEMS INC	*26081 AVENUE HALL*	*1 - 2*	*NE*	*BD298*	*241*
CAPTIVE AIR	*25461 W RYE CANYON RD*	*1 - 2*	*ENE*	*BC303*	*244*
BLOOMERS METAL STAMPINGS INC	*25445 RYE CANYON RD*	*1 - 2*	*ENE*	*BG312*	*249*
MAZZEO PAINTING CO INC	*26074 AVENUE HALL UNIT*	*1 - 2*	*NE*	*314*	*252*
S H M	*25433 RYE CANYON RD*	*1 - 2*	*ENE*	*BG318*	*254*
VALENCIA COUNTRY CLUB	*27330 N TOURNEY RD*	*1 - 2*	*E*	*BH321*	*255*
PARDEE SUBSTATION	25401 W RYE CANYON ROAD	1 - 2	ENE	BG330	262
COSMIC PLASTICS INCORPORATED	27939 BEALE CT.	1 - 2	ENE	BG334	263
GARDENAMERICA CORP VALENCIA OP	*27940 BEALE CT*	*1 - 2*	*ENE*	*BG336*	*263*
ELECTROFILM MFG COMPANY	*25395 RYE CANYON ROAD*	*1 - 2*	*ENE*	*BG343*	*269*

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/2002 has revealed that there are 2 TRIS sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir		Map ID	Page
POLYCARBON, INC	*28176 N AVE STANFORD*	*1 - 2*	*NE*	*T115*	*118*
GRUBER SYSTEMS, INC.	*25636 AVE STANFORD*	*1 - 2*	*ENE*	*AG183*	*165*

STATE OR LOCAL ASTM SUPPLEMENTAL

AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the AST list, as provided by EDR, and dated 12/01/2003 has revealed that there are 3 AST sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir		Map ID	Page
LA COUNTY FIRE DEPT STATION 76	27223 HENRY MAYO DR	1 - 2	NNW	B11	23
CALTRANS N. REGION MAINT. STAT	28820 N. THE OLD RD.	1 - 2	N	I50	54
NEWHALL STATION	25500 MAGIC MOUNTAIN PK	1 - 2	E	Z137	135

EXECUTIVE SUMMARY

WDS: California Water Resources Control Board - Waste Discharge System.

A review of the CA WDS list, as provided by EDR, and dated 10/11/2004 has revealed that there are 10 CA WDS sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir		Map ID	Page
TRI-R-TRUCKING	***28748 CASTAIC CANYON RD***	***1 - 2***	***NNE***	***D25***	***34***
HENSEL PHELPHS CONSTRUCTION CO	***28185 THE OLD ROAD***	***1 - 2***	***NE***	***E34***	***42***
Not reported	***28201 FRANKLIN PKWY, B***	***1 - 2***	***NW***	***K59***	***58***
APPLIED COMPANIES	***28020 AVENUE STANFORD***	***1 - 2***	***NNE***	***P96***	***92***
ROBERT TEAGUE	28115 AVENUE STANFORD	1 - 2	NNE	Q103	100
SIX FLAGS MAGIC MOUNTAIN	***26101 MAGIC MOUNTAIN PK***	***1 - 2***	***E***	***S104***	***101***
AMUSEMENT PARK, VALENCIA	26101 MAGIC MOUNTAIN PK	1 - 2	E	S105	110
CASTAIC BOAT AND MARINE	***30517 THE OLD RD***	***1 - 2***	***N***	***AP227***	***195***
MURCO WALL PROD INC	30529 THE OLD RD	1 - 2	N	AP232	200
I W INDUSTRIES INC	***28238 AVENUE CROCKER***	***1 - 2***	***NE***	***AX280***	***226***

Emissions Inventory Data: Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies

A review of the EMI list, as provided by EDR, and dated 12/31/2002 has revealed that there are 10 EMI sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir		Map ID	Page
SCHWARTZ OIL CO	***27241 HENRY MAYO DR***	***1 - 2***	***NNW***	***B7***	***16***
HENSEL PHELPHS CONSTRUCTION CO	***28185 THE OLD ROAD***	***1 - 2***	***NE***	***E34***	***42***
US POSTAL SERVICE, SANTA CLARI	28201 FRANKLIN PKY	1 - 2	NW	K58	58
LACO SHERIFF'S DEPT/P PHR	***29300 THE OLD ROAD***	***1 - 2***	***N***	***N83***	***81***
HR TEXTRON INC	28113-28115 AVENUE STAN	1 - 2	NNE	Q101	98
SIX FLAGS MAGIC MOUNTAIN	***26101 MAGIC MOUNTAIN PK***	***1 - 2***	***E***	***S104***	***101***
DELTA PRINTING SOLUTIONS INC	***28210 N AVE STANFORD***	***1 - 2***	***NE***	***U109***	***113***
MOBIL OIL CORP, WEST COAST PIP	25500 MAGIC MOUNTAIN PA	1 - 2	E	Z135	134
MOBIL OIL CORP, NEWHALL STA (E	25500 MAGIC MOUNTAIN PA	1 - 2	E	Z136	135
ELECTROFILM MFG COMPANY	***25395 RYE CANYON ROAD***	***1 - 2***	***ENE***	***BG343***	***269***

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 9 CA SLIC sites within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir		Map ID	Page
COUNTY OF LOS ANGELES - WAYSID	29300 THE OLD	1 - 2	N	N74	73
LA COUNTY SHERIFF DEPARTMENT	***29300 THE OLD RD***	***1 - 2***	***N***	***N78***	***76***
COUNTY OF LOS ANGELES - NEWHAL	30617 THE OLD	1 - 2	N	AP252	211
COUNTY OF LOS ANGELES - NEWHAL	30617 THE OLD RD	1 - 2	N	AP253	212
AEROSPACE DYNAMICS INTERNATION	25575 RYE CANYON	1 - 2	ENE	AT254	212
KLAL ENGINEERING INC	***25575 RYE CANYON RD***	***1 - 2***	***ENE***	***AT255***	***212***
ADI FACILITY INC.	***25540 RYE CANYON RD***	***1 - 2***	***ENE***	***AY287***	***231***
PROPOSED SCHOOL BUS STOP	28300 LIVINGSTON	1 - 2	NW	AZ288	233
PROPOSED SCHOOL BUS STOP	28300 LIVINGSTON AVE	1 - 2	NW	AZ289	234

EXECUTIVE SUMMARY

HAZNET: The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000-1,000,000 annually, representing approximately 350,000-500,000 shipments. Data from non-California manifests & continuation sheets are not included at the present time. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, & disposal method. The source is the Department of Toxic Substance Control is the agency

A review of the HAZNET list, as provided by EDR, and dated 12/31/2002 has revealed that there are 113 HAZNET sites within approximately 2 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir		Map ID	Page
ALLEGIANCE HEALTHCARE CORPORAT	27200 N TOURNEY RD	1 - 2	E	BF310	248

Lower Elevation	Address	Dist / Dir		Map ID	Page
THE VALENCIA TRAVEL VILLAGE	27946 HENRY MAYO ROAD,	1 - 2	NNW	A5	15
SCHWARTZ OIL CO	***27241 HENRY MAYO DR***	***1 - 2***	***NNW***	***B7***	***16***
EAST PARK GALLERY SVCS INC	28756 CASTAIC CANYON RD	1 - 2	NNE	D21	31
TRI R TRUCKING	***28748 CASTAIC CYN RD***	***1 - 2***	***NNE***	***D24***	***33***
CNTY LA SANITATION DIST/VALENC	28185 THE OLD ROAD	1 - 2	NE	E31	39
HENSEL PHELPHS CONSTRUCTION CO	***28185 THE OLD ROAD***	***1 - 2***	***NE***	***E34***	***42***
T A MANUFACTURING CO	***28065 W FRANKLIN PKWY***	***1 - 2***	***NW***	***36***	***45***
ASHDON DEVELOPMENT	***28120 THE OLD RD***	***1 - 2***	***NE***	***F38***	***48***
CHEVRON STATION # 91899	28805 THE OLD RD	1 - 2	NNE	G41	49
CHP NEWHALL	28648 THE OLD ROAD	1 - 2	NNE	H48	54
CALTRANS NORTH REGION OFFICE	28820 N THE OLD ROAD	1 - 2	N	I52	55
PACIFIC BELL	28618 THE OLD ROAD	1 - 2	NNE	H54	57
BLOOMERS METAL STAMPINGS INC	28615 BRAXTON AVE	1 - 2	NW	J56	57
UNITED STATES POSTAL SERVICE-P	***28201 FRANKLIN PARKWAY***	***1 - 2***	***NW***	***K60***	***60***
CHEVRON 95436	27519 THE OLD RD	1 - 2	E	L62	63
CHEVRON USA	27549 THE OLD ROAD	1 - 2	ENE	L63	64
CHEVRON 95436	27549 THE OLD RD	1 - 2	ENE	L65	65
LOS ANGELES COUNTY/ ISD	29300 THE OLD RD	1 - 2	N	N77	74
LA COUNTY SHERIFF DEPARTMENT	***29300 THE OLD RD***	***1 - 2***	***N***	***N78***	***76***
LACO SHERIFF'S DEPT/P PHR	***29300 THE OLD ROAD***	***1 - 2***	***N***	***N83***	***81***
1X COUNTY OF LA/INTERNAL SERV	29310 THE OLD ROAD	1 - 2	N	N84	85
PETER PITCHES HONOR RANCHO	29310 THE OLD ROAD	1 - 2	N	N85	85
MPR FLEET SERVICES	29380 THE OLD ROAD	1 - 2	N	N88	86
LACO SHERIFFS/PPHR	29380 THE OLD ROAD	1 - 2	N	N89	87
JOHNSON CONTROLS	***29380 THE OLD RD***	***1 - 2***	***N***	***N90***	***88***
PCA FLEET SERVICE	29380 THE OLD RD	1 - 2	N	N91	89
GG INDUSTRIES	28410 AVE STANFORD	1 - 2	NE	93	90
STANFORD BUSINESS PLAZA	28042 ANENUE STANFORD	1 - 2	NNE	P94	91
APPLIED COMPANIES	***28020 AVENUE STANFORD***	***1 - 2***	***NNE***	***P96***	***92***
EXCEL MANUFACTURING INC	***28059 AVENUE STANFORD***	***1 - 2***	***NNE***	***Q97***	***94***
SOUTHERN CALIFORNIA GAS CO	28601 N STANFORD AVE	1 - 2	NE	R99	96
MORGAN PRODUCTS, INC.	***28103 AVENUE STANFORD***	***1 - 2***	***NNE***	***Q100***	***98***
DRESSER-RAND	28343 NORTH AVE CROCKER	1 - 2	NE	102	99
SIX FLAGS MAGIC MOUNTAIN	***26101 MAGIC MOUNTAIN PK***	***1 - 2***	***E***	***S104***	***101***
ANSWER PRODUCTS	***28209 AVE STANFORD***	***1 - 2***	***NE***	***T106***	***111***
DELTA PRINTING SOLUTIONS INC	***28210 N AVE STANFORD***	***1 - 2***	***NE***	***U109***	***113***
ARC SPECIALISTS	26140 AVENUE HALL	1 - 2	NE	110	115
SGL TECHNIC POLYCARBON DIV	28176 N AVE STANFORD	1 - 2	NE	T116	119
LINCOLN/MERCURY CONCEPT CENTER	28258 AVENUE STANFORD	1 - 2	NNE	V117	120
CONCEPT CENTER CALIFORNIA INC	28258 STANFORD AVE	1 - 2	NE	U120	123
MICROWAVE COMMUNICATIONS	28110 AVE STANFORD	1 - 2	ENE	W122	125
R A H COMPANY	26037 HUNTINGTON DRIVE	1 - 2	NE	U125	129
RAH INDUSTRIES	26037 HUNTINGTON LN	1 - 2	NE	U128	131

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir		Map ID	Page
ALLIED SIGNAL AUTOMOTIVE	25709 RYE CANYON RD, #1	1 - 2	ENE	Y131	132
XMI CORP	25709 RYE CANYON ROAD	1 - 2	ENE	Y132	133
BUGBOY	26027 HUNTINGTON	1 - 2	NE	AA139	135
SEMCO INSTRUMENTS INC	***25702 RYE CANYON RD***	***1 - 2***	***ENE***	***Y140***	***136***
TEAGUE CUSTOM MARINE INC	***28115 AVE STANFORD***	***1 - 2***	***NE***	***W146***	***139***
AVIATION INDUSTRY REPAIR INC	26017 HUNTINGTON LANE U	1 - 2	NE	AA149	140
SUNVAIR INC	28079 AVE STANFORD	1 - 2	ENE	W152	141
PRECISION CENTER MANUFACTURING	28064 AVENUE STANFORD S	1 - 2	ENE	W155	143
MICROWAVE COMMUNICATIONS CORP	26007 HUNTINGTON LN #11	1 - 2	NE	AA161	146
MIKE MANNING	***26007 HUNTINGTON LN***	***1 - 2***	***NE***	***AA162***	***147***
R A H INDUSTRIES	***28035 HARRISON PKWY***	***1 - 2***	***NW***	***AD170***	***154***
EMCO	28045 W HARRISON PKWY	1 - 2	NW	AD171	155
M W SAUSSE & CO, INC	***25590 W AVE STANFORD***	***1 - 2***	***ENE***	***Y174***	***156***
PARAGON-PRECISION PRODUCTS	26150 W TECHNOLOGY DRIV	1 - 2	NE	AE176	158
STELLEX PARAGON PRECISION	***26150 W TECHNOLOGY DR***	***1 - 2***	***NE***	***AE177***	***159***
COGENT LIGHT TECHNOLOGIES INC	26145 W TECHNOLOGY DR	1 - 2	NE	AE179	161
WALT DISNEY PICTURES & TELEVIS	28150 W HARRISON PARKWA	1 - 2	NNW	AF180	163
REGENT AEROSPACE INC	28110 HARRISON PKWY	1 - 2	NNW	AF181	164
XENOTRONIX INC	***26074 AVENUE HALL UNIT***	***1 - 2***	***NE***	***AH185***	***167***
CAPTIVE AUDIENCE	26074 AVE HALL STE 1	1 - 2	NE	AH186	167
DEL WEST ENGINEERING	***28128 W LIVINGSTON AVE***	***1 - 2***	***NW***	***AI189***	***169***
1X FORREST MACHINING INC	25562 AVE STANFORD	1 - 2	ENE	AL196	174
SO CAL EDISON VALENCIA SERVICE	25625 RYE CANYON RD	1 - 2	ENE	AK201	177
METAL PRO INDUSTRIES	25620 RYE CANYON RD,	1 - 2	ENE	AK208	182
FANFAIR MEDIA WORKS INC	25620 RYE CANYON RD	1 - 2	ENE	AK210	183
A & M ELECTONICS	25520 AVE STANFORD	1 - 2	ENE	AL217	186
ALL MOBILE LUBE PLUS INC	28170 AVENUE CROCKER	1 - 2	NE	AN221	188
ATTRACTION SERVICES	28165 AVENUE CROCKER	1 - 2	NE	AN223	190
T Z PRODUCTIONS	***28165 AVENUE CROCKER***	***1 - 2***	***NE***	***AN224***	***191***
AERO ENGINEERING	28217 AVENUE CROCKER	1 - 2	NE	AO225	193
SOLID CONCEPTS INC	28231 AVENUE CROCKER	1 - 2	NE	AO226	194
CASTAIC BOAT AND MARINE	***30517 THE OLD RD***	***1 - 2***	***N***	***AP227***	***195***
ADVANCED TECH MACHININGS	***28210 AVE CROCKER NO 30***	***1 - 2***	***NE***	***AN228***	***198***
CRYSTAL CORPORATION	30529 THE OLD ROAD	1 - 2	N	AP230	199
AG	28343 AVENUE CROCKER	1 - 2	NE	AQ233	201
SABAN ENTERTAINMENT	28343 AVENUE CROCKER	1 - 2	NE	AQ234	202
DYER GRINDING	***28220 AVE CROCKER NO 40***	***1 - 2***	***NE***	***AQ236***	***203***
1X W & K MANAGEMENT CO	28220 AVE CROCKER	1 - 2	NE	237	204
WEST COAST X RAY	***28150 AVE CROCKER 215***	***1 - 2***	***NE***	***AR240***	***205***
JIM GRUBBS	***28130 AVE CROCKER 331***	***1 - 2***	***NE***	***AR241***	***206***
WESTERN LASER GRAPHICS INC	***28177 AVE CROCKER***	***1 - 2***	***NE***	***AR242***	***207***
ROBERT BILLECI	25510 AVENUE STANFORD S	1 - 2	ENE	AS243	209
OASIS CORP	25555 AVE STANFORD	1 - 2	ENE	AS251	211
KLAL ENGINEERING INC	***25575 RYE CANYON RD***	***1 - 2***	***ENE***	***AT255***	***212***
EBENSTEINER CO	***30629 THE OLD ROAD***	***1 - 2***	***N***	***AP258***	***214***
ATTRACTION SERVICES	28145 CROCKER AVE	1 - 2	NE	AR259	215
SHOTMAKER COMPANY, THE	28145 CROCKER AVENUE	1 - 2	NE	AR260	216
SHOT MAKER THE	***28145 CROCKER AVE***	***1 - 2***	***NE***	***AR261***	***217***
AVG INC	***25571 RYE CANYON RD***	***1 - 2***	***ENE***	***AT265***	***220***
RANCH HOUSE INN	27413 NORTH TOURNEY ROA	1 - 2	E	AW277	225
KEEBLER BAKING	28238 AVE. CROCKER	1 - 2	NE	AX279	225
I W INDUSTRIES INC	***28238 AVENUE CROCKER***	***1 - 2***	***NE***	***AX280***	***226***
AEROSPACE DYNAMICS INTERN INC	25540 RYE CANYON ROAD	1 - 2	ENE	AY286	230
PHARMAVITE LLC	***28305 W LIVINGSTON AVE***	***1 - 2***	***NW***	***AZ290***	***234***
PHARMAVITE CORP	***28310 W LIVINGSTON AVE***	***1 - 2***	***NW***	***AZ291***	***236***
CINTEL INC	***25358 AVE STANFORD***	***1 - 2***	***ENE***	***BA293***	***237***

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir		Map ID	Page
3D SYSTEMS INC	***26081 AVENUE HALL***	***1 - 2***	***NE***	***BD297***	***239***
3 D SYSTEMS INC	***26081 AVENUE HALL***	***1 - 2***	***NE***	***BD298***	***241***
PACIFIC AERODYNE	***25334 AVE STANFORD***	***1 - 2***	***ENE***	***BA299***	***242***
CAPTIVE AIR	***25461 W RYE CANYON RD***	***1 - 2***	***ENE***	***BC303***	***244***
OBERG CONTRACTING INC	27770 LIVE OAK RD	1 - 2	NNW	304	246
BLOOMERS METAL STAMPINGS INC	***25445 RYE CANYON RD***	***1 - 2***	***ENE***	***BG312***	***249***
MAZZEO PAINTING CO INC	***26074 AVENUE HALL UNIT***	***1 - 2***	***NE***	***314***	***252***
FRASER INDUSTRIES	***25439 W. RYE CANYON RD***	***1 - 2***	***ENE***	***BG315***	***252***
VALENCIA COUNTRY CLUB	***27330 N TOURNEY RD***	***1 - 2***	***E***	***BH321***	***255***
AUTO WORLD BODY SHOP	27967 BEALE COURT	1 - 2	ENE	BG325	259
AUTO WORLD COLLISION CENTER	27967 BEALE CT	1 - 2	ENE	BG327	260
SO CALIF EDISON PARDEE SUB	25401 RYE CANYON RD	1 - 2	ENE	BG340	265
ELECTRO FILM MFG. CO.	25395 RYE CANYON RD	1 - 2	ENE	BG345	271

HMS: Los Angeles County Industrial Waste and Underground Storage Tank Sites.

A review of the LOS ANGELES CO. HMS list, as provided by EDR, has revealed that there are 136 LOS ANGELES CO. HMS sites within approximately 2 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir		Map ID	Page
CINETECH, INC.	***27200 TOURNEY ROAD***	***1 - 2***	***E***	***BF307***	***247***
ARDEN REALTY, UNIT#201	27200 N TOURNEY RD	1 - 2	E	BF308	247
BAXTER HEALTHCARE CORP	27200 N TOURNEY RD	1 - 2	E	BF309	248
GOODYEAR INDUSTRIAL PRODUCTS	27201 N TOURNEY RD	1 - 2	E	BF313	251

Lower Elevation	Address	Dist / Dir		Map ID	Page
FIESTA RESORTS	27946 W HENRY MAYO DR	1 - 2	NNW	A3	14
VALENCIA TRAVEL VILLAGE	27946 W HENRY MAYO DR	1 - 2	NNW	A4	14
LA CO FIRE STATION #076	***27223 HENRY MAYO DR***	***1 - 2***	***NNW***	***B10***	***21***
SCHWARTZ OIL CO	27241 W HENRY MAYO DR	1 - 2	N	C15	24
R M PYLES BOYS CAMP INC	27211 W HENRY MAYO DR	1 - 2	N	18	28
NEWHALL LAND & FARMING	***28760 CASTAIC CANYON RD***	***1 - 2***	***NNE***	***D20***	***28***
EXXON CO USA	27101 W HENRY MAYO DR	1 - 2	N	23	33
WESTERN ENERGY SCIENCES	28760 N CASTAIC CANYON	1 - 2	NNE	D27	37
KENNEDY STORAGE	28754 N CASTAIC CANYON	1 - 2	NNE	D28	38
CLASSIC CARTAGE	28748 N CASTAIC CANYON	1 - 2	NNE	D29	38
LA CO SAN DIST VALENCIA WRC	28185 N THE OLD RD	1 - 2	NE	37	47
ASHDON DEVELOPMENT	28120 N THE OLD RD	1 - 2	NE	E39	48
TEXACO STAR MART	28070 N THE OLD ROAD	1 - 2	ENE	F45	53
CHEVRON USA SS 091899	28805 N THE OLD RD	1 - 2	N	I53	56
PACIFIC BELL CSTCCA11/KC-574	28618 N THE OLD RD	1 - 2	NNE	H57	58
VALENCIA HOTEL JOINT VNTR	27710 N THE OLD RD	1 - 2	ENE	O86	86
CHEVRON USA SS 035979	27710 N THE OLD RD	1 - 2	ENE	O87	86
EXPLORER INSURANCE	28490 AVE STANFORD	1 - 2	NE	92	90
ANCO ELECTRIC INC.	28042 AVE STANFORD #A	1 - 2	NNE	P95	92
APPLIED COMPANIES	***28020 AVENUE STANFORD***	***1 - 2***	***NNE***	***P96***	***92***
MORGAN PRODUCTS, INC.	***28103 AVENUE STANFORD***	***1 - 2***	***NNE***	***Q100***	***98***
SIX FLAGS MAGIC MOUNTAIN	***26101 MAGIC MOUNTAIN PK***	***1 - 2***	***E***	***S104***	***101***
DELTA LITHOGRAPH CO	28210 AVE STANFORD	1 - 2	NE	U107	112
DELTA LITHOGRAPH	28215 AVE STANFORD	1 - 2	NE	U108	113
DELTA PRINTING SOLUTIONS INC	***28210 N AVE STANFORD***	***1 - 2***	***NE***	***U109***	***113***
POLYCARBON INC	28176 AVE STANFORD	1 - 2	NE	T113	118
SEE FILE I07654	28176 AVE STANFORD	1 - 2	NE	T114	118

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir		Map ID	Page
SIX FLAGS MAGIC MOUNTAIN	26101 W MAGIC MOUNTAIN	1 - 2	E	S119	123
AVION TOOL MANUFACTURING	28110 AVE STANFORD #E	1 - 2	ENE	W121	124
RAH INDUSTRIES	26037 HUNTINGTON LN	1 - 2	NE	U127	130
WESTERN FILTER CORP	26235 TECHNOLOGY DR	1 - 2	NE	129	132
APPLIED ENVIRO. TECH.	25709 RYE CANYON RD	1 - 2	ENE	Y130	132
HR TEXTRON	25709 RYE CANYON RD	1 - 2	ENE	Y133	134
NEWHALL LAND & FARMING CO	25709 RYE CANYON RD	1 - 2	ENE	Y134	134
OMS ELECTRONIC INC.	28170 AVE CROCKER 107	1 - 2	NE	AB141	137
SEMCO INSTRUMENTS INC.	25700 RYE CANYON RD	1 - 2	ENE	Y142	137
RONS GEN SHEET METAL	28150 AVE CROCKER #D	1 - 2	NE	AB143	138
POLYCARBON INC	28140 AVE STANFORD	1 - 2	NE	AB145	138
TEAGUE CUSTOM MARINE INC	***28115 AVE STANFORD***	***1 - 2***	***NE***	***W146***	***139***
ELEC-TROL INC	28115 AVE STANFORD	1 - 2	NE	W147	139
RAYMOND SCURRIA	28486 WESTINGHOUSE PL	1 - 2	NNE	V150	141
PACIFIC TECHNICAL PROD. CORP.	26017 HUNTINGTON LN	1 - 2	NE	AA151	141
SUNVAIR	28079 AVE STANFORD #A	1 - 2	ENE	W153	142
XCELDYNE ENGINEERING, INC	28059 AVE STANFORD	1 - 2	ENE	W154	143
TRANSPARENT PRODUCTS INC	28064 AVE STANFORD #E	1 - 2	ENE	W156	144
ROGERS TOOL & DIE	28042 AVE STANFORD #C	1 - 2	ENE	AC157	144
APPLIED COMPANIES	28026 AVE STANFORD	1 - 2	ENE	AC158	145
X O TECHNOLOGIES	28020 AVE STANFORD	1 - 2	ENE	AC160	145
STEFCO PRECISION INC	26007 HUNTINGTON LN 3	1 - 2	NE	AA163	148
MOUNTAIN MECHANICAL	26007 HUNTINGTON LN 6	1 - 2	NE	AA164	148
ELECTRO-DIAGNOSTIC INSTRUMENTS	26007 HUNTINGTON LN 11	1 - 2	NE	AA165	148
WAYNE CRAWFORD	25572 AVE STANFORD	1 - 2	ENE	Y172	155
MINNIE POPE	25572 AVE STANFORD	1 - 2	ENE	Y173	155
STELLEX (PARAGON PRECISION)	26150 TECHNOLOGY DR	1 - 2	NE	AE178	161
AIR FRAME MFG. & SUPPLY CO.	26135 TECHNOLOGY DR	1 - 2	NE	AE182	165
GRUBER SYSTEMS, INC.	***25636 AVE STANFORD***	***1 - 2***	***ENE***	***AG183***	***165***
YOGI'S AND SONS	26074 AVE HALL #14	1 - 2	NE	AH184	166
YOGIS AND SONS	26074 AVE HALL #14	1 - 2	NE	AH187	169
TESCO PRODUCTS	25601 AVE STANFORD	1 - 2	ENE	AG188	169
DEL WEST ENGINEERING	28128 W LIVINGSTON AVE	1 - 2	NW	AI190	171
STANDARD OIL CO OF CAL	27541 N TOURNEY RD	1 - 2	E	AJ192	173
K-SERA	25647 RYE CANYON RD	1 - 2	ENE	AK193	173
DENNYS RESTAURANT	27541 WAYNE MILLS PL	1 - 2	E	195	174
FORREST MACHINING INC	25562 AVE STANFORD	1 - 2	ENE	AL197	176
SAUGUS COMMUNITY DUMP	SAUGUS	1 - 2	ENE	AL198	176
SOUTHERN CALIFORNIA EDISON CO	25625 RYE CANYON RD	1 - 2	ENE	AK202	178
SCE - VALENCIA SERVICE CENTER	25625 RYE CANYON RD	1 - 2	ENE	AK204	180
FORREST MACHINING INC	25544 AVE STANFORD	1 - 2	ENE	AL207	182
INTEGRAL PARTS MACHINING CO.	25530 AVE STANFORD 206	1 - 2	ENE	AL211	184
LUSTRO PLASTICS CO	***25525 AVE STANFORD***	***1 - 2***	***ENE***	***AL212***	***185***
AEROSPACE DYNAMICS INTL INC	25525 AVE STANFORD	1 - 2	ENE	AL213	185
U S HORIZON MFG, INC	25620 RYE CANYON RD B	1 - 2	ENE	AM214	185
MESCHKAT PRECISION	25520 AVE STANFORD 310	1 - 2	ENE	AL216	186
SANTA CLARITA BEARING	25520 AVE STANFORD 307	1 - 2	ENE	AL218	188
ENVIROTECH EQUIPMENT CO.	28130 AVE CROCKER #D	1 - 2	NE	AN219	188
QUALITY MELAMINE CORP	25519 AVE STANFORD	1 - 2	ENE	AL220	188
JUPITER EXPLORATION INC.	25600 RYE CANYON RD	1 - 2	ENE	AM229	199
INGERSOLL DRESSER RAND CO	28343 AVE CROCKER	1 - 2	NE	AN235	203
DYER GRINDING	***28220 AVE CROCKER NO 40***	***1 - 2***	***NE***	***AQ236***	***203***
STOLL MOLDS CORP.	25510 AVE STANFORD 108	1 - 2	ENE	AS244	209
CYGNUS APPLICATION SOLUTION	25510 AVE STANFORD 109	1 - 2	ENE	AS245	210
RIVERSTAR ENTERTAINMENT COMP	25510 AVE STANFORD 101	1 - 2	ENE	AS246	210
TROLL TOUCH	25510 AVE STANFORD 106	1 - 2	ENE	AS247	210

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir		Map ID	Page
CAUNE & CAUNE	25510 AVE STANFORD 104	1 - 2	ENE	AS248	210
OASIS	25555 AVE STANFORD	1 - 2	ENE	AS249	211
KLAL ENGINEERING INC	***25575 RYE CANYON RD***	***1 - 2***	***ENE***	***AT255***	***212***
AEROSPACE DYNAMICS	25575 RYE CANYON RD	1 - 2	ENE	AT256	214
EBENSTEINER CO	***30629 THE OLD ROAD***	***1 - 2***	***N***	***AP258***	***214***
AVG INC	***25571 RYE CANYON RD***	***1 - 2***	***ENE***	***AT265***	***220***
KLM LABORATORIES INC	25570 RYE CANYON RD C	1 - 2	ENE	AT266	221
P S I	25570 RYE CANYON RD E	1 - 2	ENE	AT267	221
LANDMARK ROBOSHOP INC	***25571 RYE CANYON RD***	***1 - 2***	***ENE***	***AT268***	***221***
AEROSPACE DYNAMICS INTL	25571 RYE CANYON RD	1 - 2	ENE	AT269	222
REGENCY ALUMINUM PRODUCTS, INC	28106 AVE CROCKER	1 - 2	NE	AU270	222
3D SYSTEMS	28106 AVE CROCKER	1 - 2	NE	AU271	223
LAIDLAW WASTE SYSTEMS INC	29201 W HENRY MAYO DR	1 - 2	W	AV272	223
CHIQUITA CANYON LANDFILL	29201 W HENRY MAYO DR	1 - 2	W	AV274	224
RANCH HOUSE INN	27413 N TOURNEY RD	1 - 2	E	AW275	224
BEST WESTERN RANCH HOUSE INN	27413 N TOURNEY RD	1 - 2	E	AW276	225
PARAMOUNT DESIGNS	28238 AVE CROCKER	1 - 2	NE	AX281	228
KEEBLER DISTRIBUTION	28238 AVE CROCKER	1 - 2	NE	AX283	229
GRAN CLASSIC COACH	25540 RYE CANYON RD	1 - 2	ENE	AY285	229
PHARMAVITE CORP	***28310 W LIVINGSTON AVE***	***1 - 2***	***NW***	***AZ291***	***236***
BRIMAR INC.	25358 AVE STANFORD	1 - 2	ENE	BA292	237
CINTEL INC	***25358 AVE STANFORD***	***1 - 2***	***ENE***	***BA293***	***237***
TEXACO INC-REG COMPLIANCE	29300 N THE OLD RD	1 - 2	N	BB294	238
PETER J PITCHESS HONOR RANCHO	29300 N THE OLD RD	1 - 2	N	BB295	238
WINDMILL CHRISTMAS TREE FARM	25500 RYE CANYON RD	1 - 2	ENE	BC296	239
3D SYSTEMS INC	***26081 AVENUE HALL***	***1 - 2***	***NE***	***BD297***	***239***
PACIFIC AERODYNE	***25334 AVE STANFORD***	***1 - 2***	***ENE***	***BA299***	***242***
LONG MOLDED PRODUCTS	25322 AVE STANFORD	1 - 2	ENE	BA300	243
MIKAILIAN MEAT PRODUCTS	25310 AVE STANFORD	1 - 2	ENE	BE301	244
A&A POWDER COATING	25311 AVE STANFORD	1 - 2	ENE	BE302	244
CAPTIVE AIR	***25461 W RYE CANYON RD***	***1 - 2***	***ENE***	***BC303***	***244***
DAILY TIRE RETREAD	25457 RYE CANYON RD	1 - 2	ENE	BC305	246
LEIGHTON AND ASSOCIATES	25301 AVE STANFORD	1 - 2	ENE	BE306	247
BLOOMERS METAL STAMPINGS INC	***25445 RYE CANYON RD***	***1 - 2***	***ENE***	***BG312***	***249***
FRASER INDUSTRIES	***25439 W. RYE CANYON RD***	***1 - 2***	***ENE***	***BG315***	***252***
CALYPSO DIV OF PDH INC	25439 RYE CANYON RD	1 - 2	ENE	BG316	254
GLACIER GOURMET INC.	25437 RYE CANYON RD	1 - 2	ENE	BG317	254
WADDAN SYSTEMS	25429 RYE CANYON RD	1 - 2	ENE	BG319	255
UNIDEN VALENCIA INC	27330 N TOURNEY RD	1 - 2	E	BH320	255
MASTEY DE PARIS INC	25413 RYE CANYON RD	1 - 2	ENE	BG324	258
AUTO WORLD COLLISION CENTER	27967 BEALE CT	1 - 2	ENE	BG326	260
REGENT AEROSPACE CORP.	27968 BEALE CT	1 - 2	ENE	BG328	261
ADVANCED AEROSPACE INC.	27956 BEALE CT	1 - 2	ENE	BG331	262
B&B MANUFACTURING INC	27955 BEALE CT	1 - 2	ENE	BG333	263
B&B MANUFACTURING	27939 BEALE CT	1 - 2	ENE	BG335	263
B&B MANUFACTURING CO. INC.	27940 BEALE CT	1 - 2	ENE	BG337	264
SOUTHERN CALIFORNIA EDISON	***25401 W RYE CANYON RD***	***1 - 2***	***ENE***	***BG339***	***265***
ELECTROFILM MFG COMPANY	***25395 RYE CANYON ROAD***	***1 - 2***	***ENE***	***BG343***	***269***
WESTERN AMERICAN MFG CO	25395 RYE CANYON RD	1 - 2	ENE	BG344	270

EXECUTIVE SUMMARY

Site Mitigation Complaint Control Log: The Los Angeles County Site Mitigation Log comes from Community Health Services.

A review of the LA Co. Site Mitigation list, as provided by EDR, has revealed that there are 2 LA Co. Site Mitigation sites within approximately 2 miles of the target property.

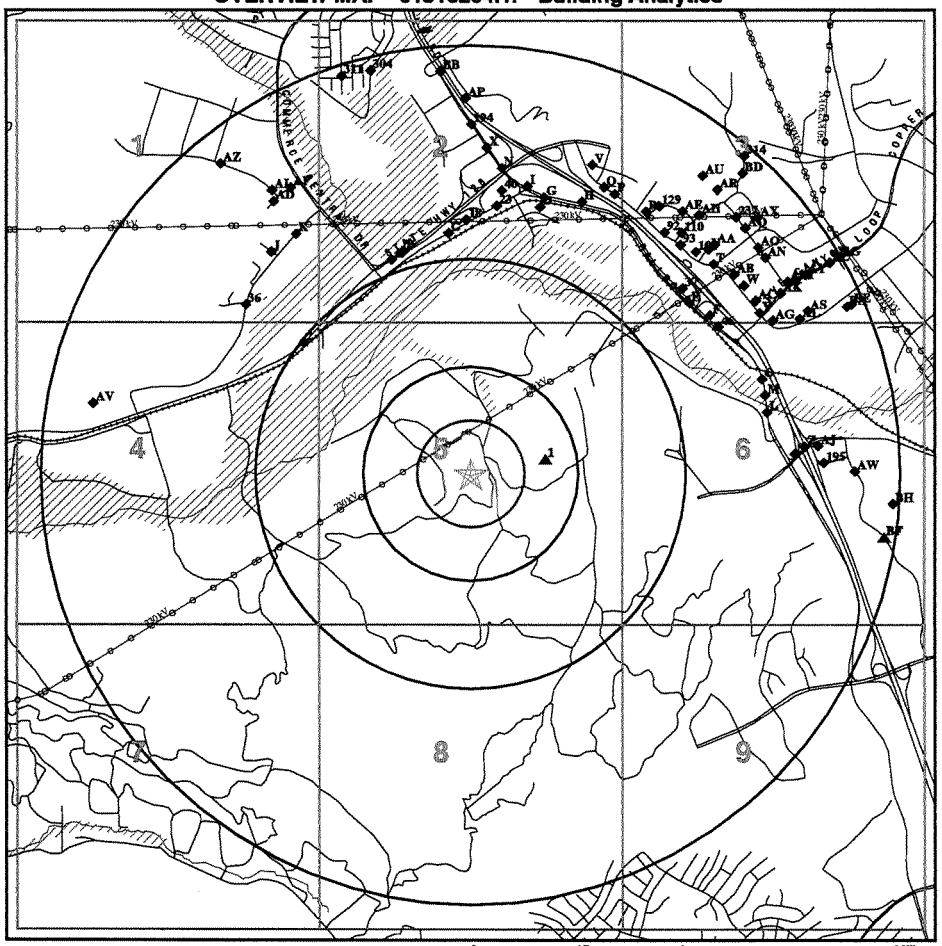
Lower Elevation	Address	Dist / Dir		Map ID	Page
3D SYSTEMS	26801 AVENUE HALL	1 - 2	N	40	48
AEROSPACE DYNAMICS INTER. INC	25575 RYE CANYON RD	1 - 2	ENE	AT257	214

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
BAXTER HEALTHCARE	FINDS, FTTS INSP
PPG INDUSTRIES INC WORKS 24	RCRIS-SQG, FINDS, RCRIS-TSD, CORRACTS, CERC-NFRAP, LOS ANGELES CO. HMS
BUILDING #8 LONG BEACH NAVAL	LUST, CHMIRS
LA CO FD FIRE STA #077	LUST, LOS ANGELES CO. HMS
MOBIL OIL CORP S/S #18-FK9	UST
TOSCO/UNOCAL #31044	UST
LA CO SHERIFF SANTA CLARITA	UST
NEWHALL LAND & FARMING CO	UST
TERRY YORK CHEVROLET INC	UST
SKI WORKS	HAZNET
CURTIS DEVELOPMENT	HAZNET
WESTSIDE CONCRETE CO	HAZNET
S C E PARDEE SANTA CLARA M37 T3	RCRIS-SQG, FINDS, HAZNET
CO SANITATION DIST/CITY OF SANTA CLARITA	HAZNET
CSI CRIME SCENE INVESTIGATION	HAZNET
CALIFO NIA INSTITUTE OF THE A TS	HAZNET
PRODUCTION GOODBYE LOVER	HAZNET
ANTIOCH ENVIRONMENTAL SERVICES	HAZNET
LOS ANGELES COUNTY FIRE DEPT	HAZNET
TECHNICAL TROUBLE SHOOTING	HAZNET
HOWARD CUSTOM BOATS INCORPORATED	FINDS, HAZNET, CA WDS, EMI
CHEVRON 205882	HAZNET
DEPARTMENT OF TRANSPORTATION	RCRIS-SQG, FINDS
VALENCIA AUTO	RCRIS-SQG
MOBIL OIL CORP NEWHALL STA	RCRIS-SQG, FINDS
TEXACO HONOR RANCHO GAS PLANT	CA SLIC
NEWHALL LAND AND FARM CO	CA SLIC
GRUBER SYSTEMS, INC	REF
SCHOOL ON 18 ACRE SITE	SCH
CASTAIC HIGH SCHOOL	SCH
OAK HILLS ELEMENTARY SCHOOL	SCH
PHASE V SCHOOL SITE	SCH
PITCHESS COGENERATION FACILITY	EMI

OVERVIEW MAP - 01316204.1r - Building Analytics



0 1/2 1 2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

TARGET PROPERTY:	1250 Acre Parcel	CUSTOMER:	Building Analytics
ADDRESS:	1250 Acre Parcell	CONTACT:	Russell Cote
CITY/STATE/ZIP:	Valencia CA 91355	INQUIRY #:	01316204.1r
LAT/LONG:	34.4216 / 118.6105	DATE:	November 29, 2004 7:55 pm

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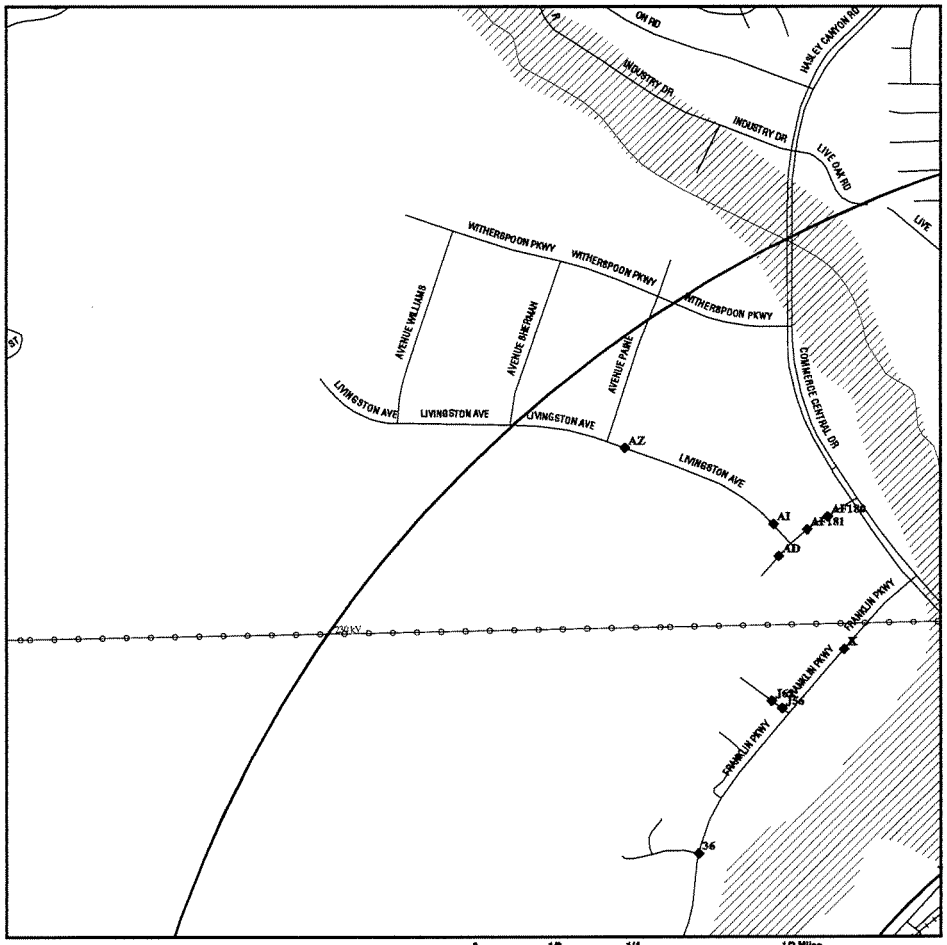
DETAIL MAP 1 of 9 - 01316204.1r



0 1/8 1/4 1/2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

TARGET PROPERTY:	1250 Acre Parcel	CUSTOMER:	Building Analytics
ADDRESS:	1250 Acre Parcell	CONTACT:	Russell Cote
CITY/STATE/ZIP:	Valencia CA 91355	INQUIRY #:	01316204.1r
LAT/LONG:	34.4216 / 118.6105	DATE:	November 29, 2004 8:02 pm

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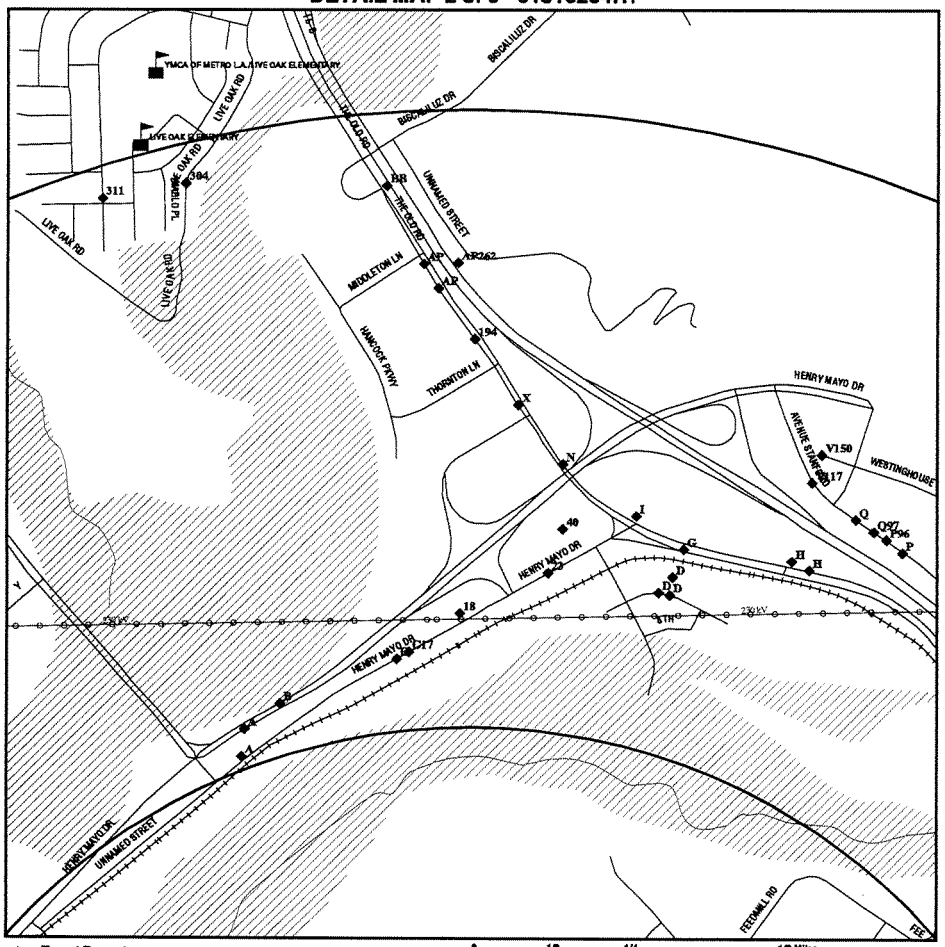
DETAIL MAP 2 of 9 - 01316204.1r



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

TARGET PROPERTY:	1250 Acre Parcel	CUSTOMER:	Building Analytics
ADDRESS:	1250 Acre Parcell	CONTACT:	Russell Cote
CITY/STATE/ZIP:	Valencia CA 91355	INQUIRY #:	01316204.1r
LAT/LONG:	34.4216 / 118.6105	DATE:	November 29, 2004 8:03 pm

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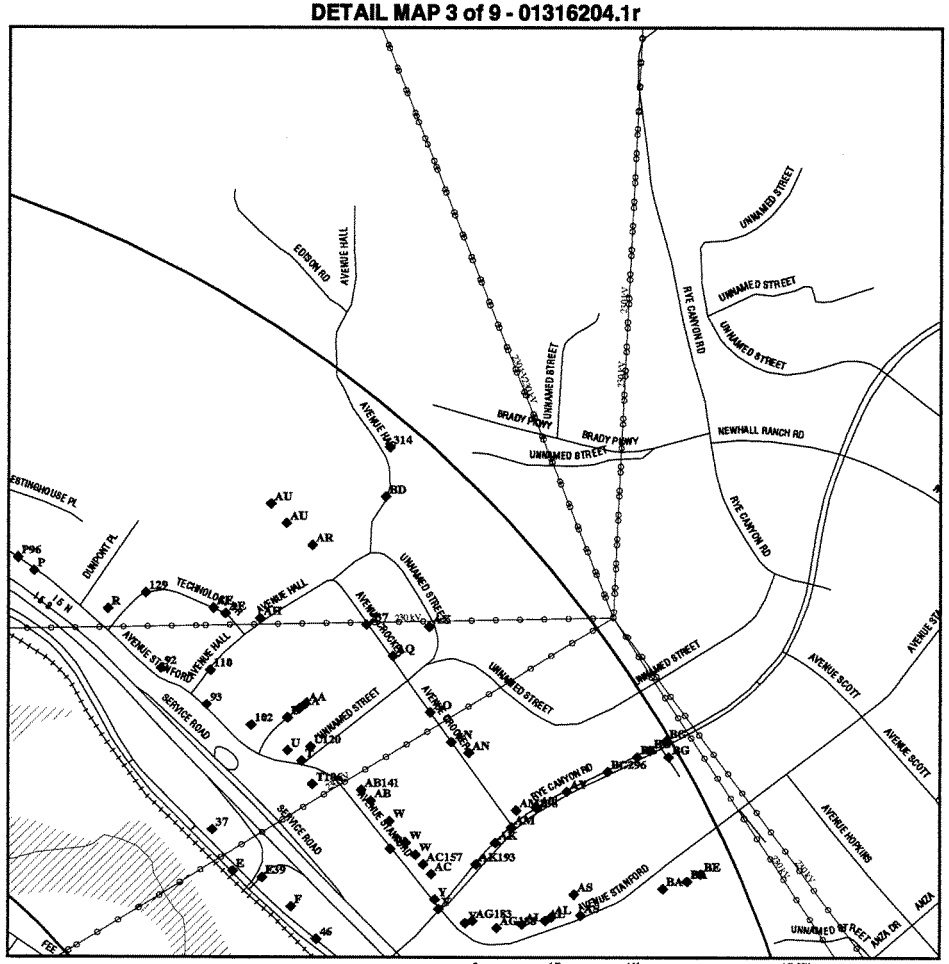
DETAIL MAP 3 of 9 - 01316204.1r



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites

0 1/8 1/4 1/2 Miles

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

TARGET PROPERTY:	1250 Acre Parcel	CUSTOMER:	Building Analytics
ADDRESS:	1250 Acre Parcell	CONTACT:	Russell Cote
CITY/STATE/ZIP:	Valencia CA 91355	INQUIRY #:	01316204.1r
LAT/LONG:	34.4216 / 118.6105	DATE:	November 29, 2004 8:04 pm

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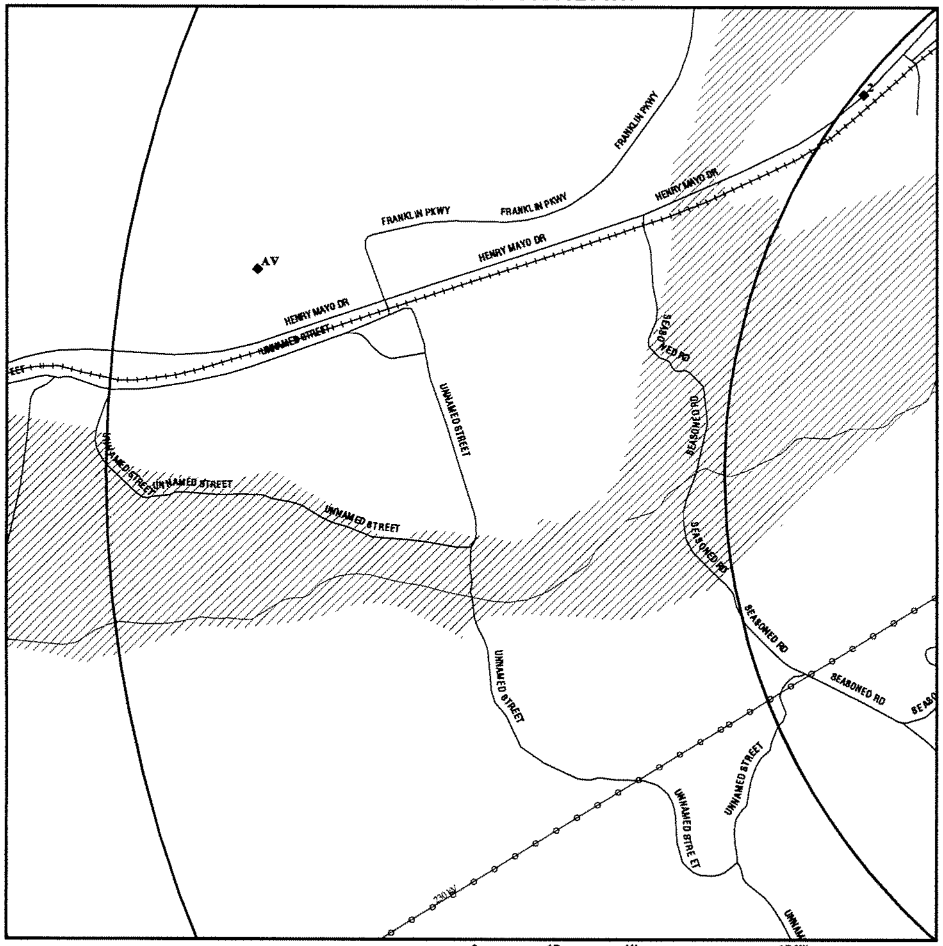
DETAIL MAP 4 of 9 - 01316204.1r



0 1/8 1/4 1/2 Miles

- ☆ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

TARGET PROPERTY:	1250 Acre Parcel	CUSTOMER:	Building Analytics
ADDRESS:	1250 Acre Parcell	CONTACT:	Russell Cote
CITY/STATE/ZIP:	Valencia CA 91355	INQUIRY #:	01316204.1r
LAT/LONG:	34.4216 / 118.6105	DATE:	November 29, 2004 8:05 pm

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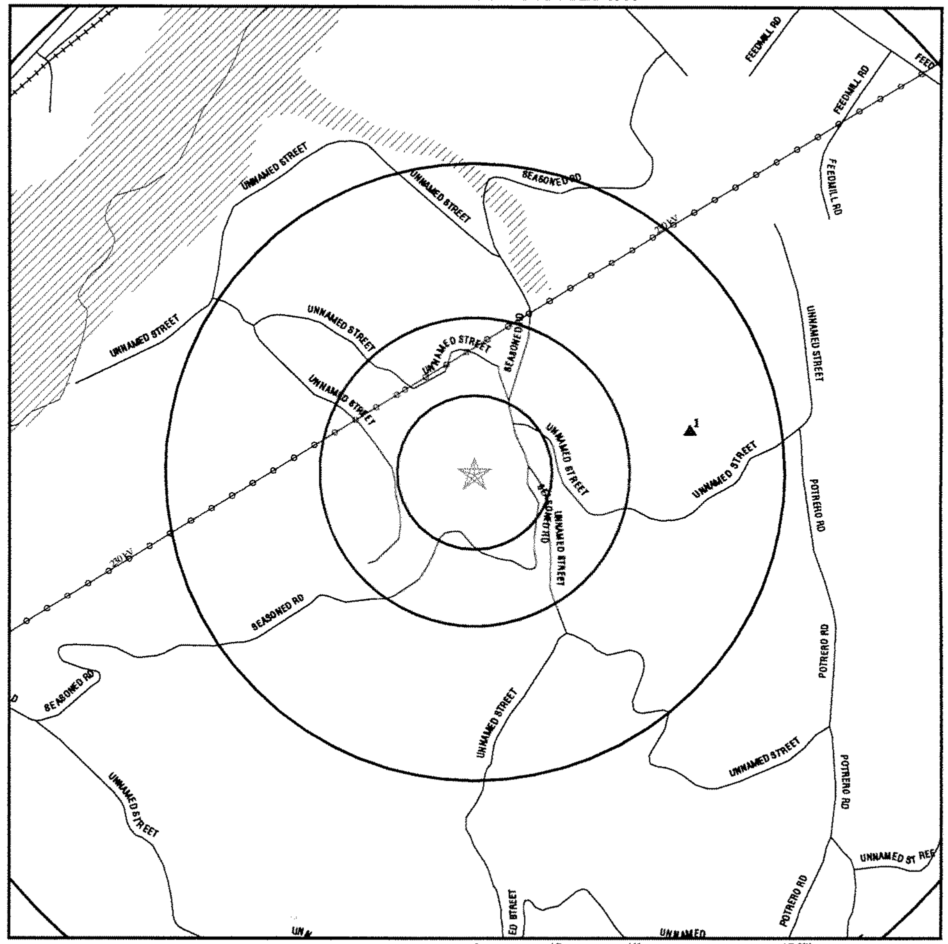
DETAIL MAP 5 of 9 - 01316204.1r



0 1/8 1/4 1/2 Miles

- ☆ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

TARGET PROPERTY:	1250 Acre Parcel	CUSTOMER:	Building Analytics
ADDRESS:	1250 Acre Parcell	CONTACT:	Russell Cote
CITY/STATE/ZIP:	Valencia CA 91355	INQUIRY #:	01316204.1r
LAT/LONG:	34.4216 / 118.6105	DATE:	November 29, 2004 8:06 pm

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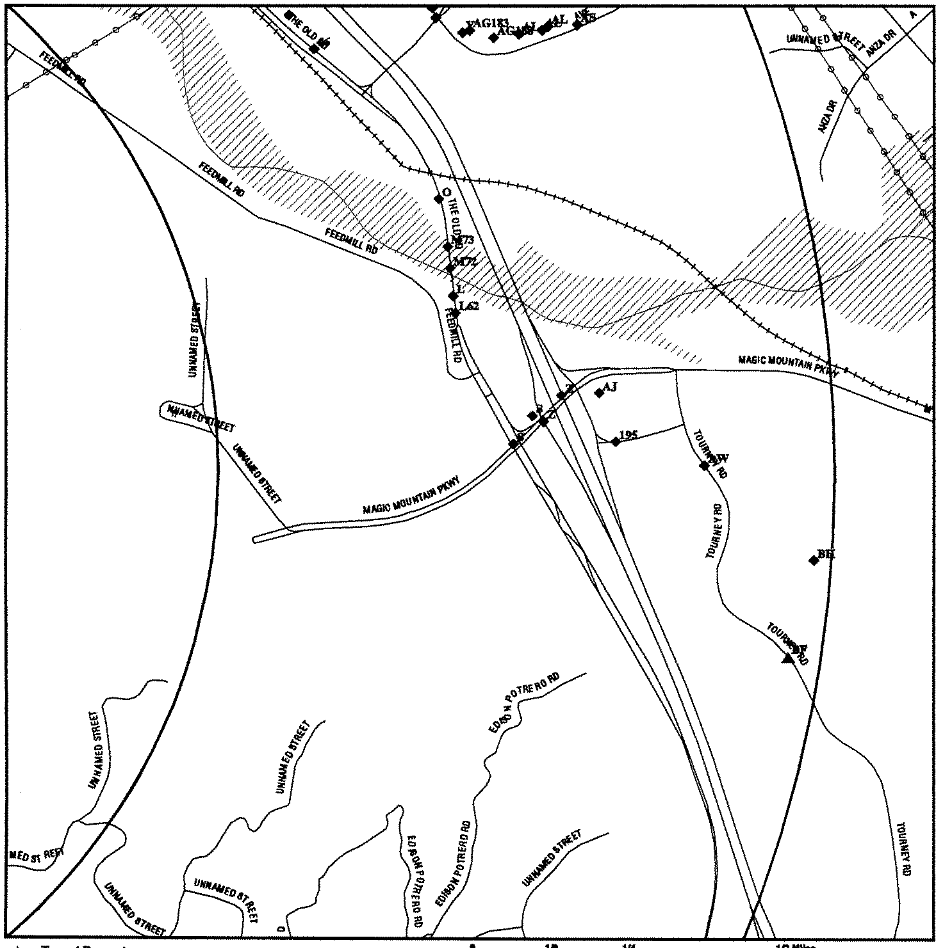
DETAIL MAP 6 of 9 - 01316204.1r



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

TARGET PROPERTY:	1250 Acre Parcel	CUSTOMER:	Building Analytics
ADDRESS:	1250 Acre Parcell	CONTACT:	Russell Cote
CITY/STATE/ZIP:	Valencia CA 91355	INQUIRY #:	01316204.1r
LAT/LONG:	34.4216 / 118.6105	DATE:	November 29, 2004 8:07 pm

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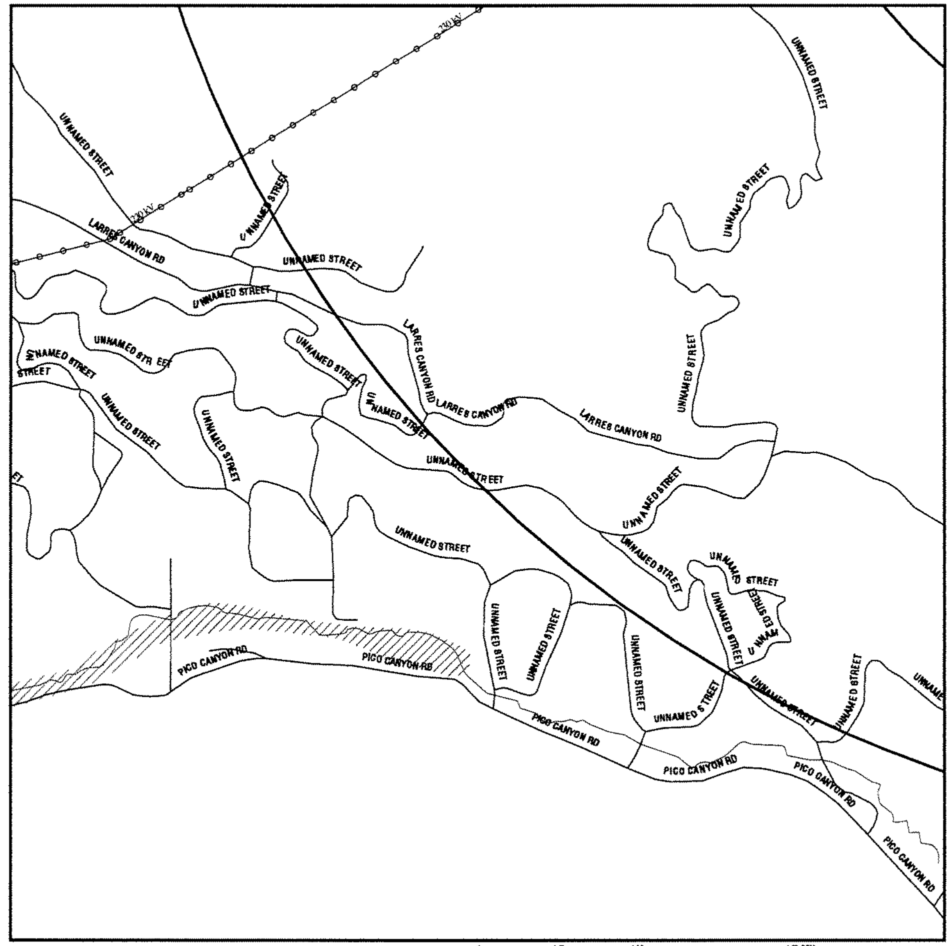
DETAIL MAP 7 of 9 - 01316204.1r



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

TARGET PROPERTY:	1250 Acre Parcel	CUSTOMER:	Building Analytics
ADDRESS:	1250 Acre Parcell	CONTACT:	Russell Cote
CITY/STATE/ZIP:	Valencia CA 91355	INQUIRY #:	01316204.1r
LAT/LONG:	34.4216 / 118.6105	DATE:	November 29, 2004 8:08 pm

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DETAIL MAP 8 of 9 - 01316204.1r

- ☆ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

TARGET PROPERTY:	1250 Acre Parcel	CUSTOMER:	Building Analytics
ADDRESS:	1250 Acre Parcel	CONTACT:	Russell Cote
CITY/STATE/ZIP:	Valencia CA 91355	INQUIRY #:	01316204.1r
LAT/LONG:	34.4216 / 118.6105	DATE:	November 29, 2004 8:08 pm

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DETAIL MAP 9 of 9 - 01316204.1r

- ☆ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Areas of Concern

TARGET PROPERTY:	1250 Acre Parcel	CUSTOMER:	Building Analytics
ADDRESS:	1250 Acre Parcel	CONTACT:	Russell Cote
CITY/STATE/ZIP:	Valencia CA 91355	INQUIRY #:	01316204.1r
LAT/LONG:	34.4216 / 118.6105	DATE:	November 29, 2004 8:09 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		2.000	0	0	0	0	0	0
Proposed NPL		2.000	0	0	0	0	0	0
CERCLIS		2.000	0	0	0	0	0	0
CERC-NFRAP		2.000	0	0	0	0	1	1
CORRACTS		2.000	0	0	0	0	0	0
RCRA TSD		2.000	0	0	0	0	0	0
RCRA Lg. Quan. Gen.		2.000	0	0	0	0	9	9
RCRA Sm. Quan. Gen.		2.000	0	0	0	0	50	50
ERNS		2.000	0	0	1	0	5	6
STATE ASTM STANDARD								
AWP		2.000	0	0	0	0	0	0
Cal-Sites		2.000	0	0	0	0	0	0
CHMIRS		2.000	0	0	0	0	10	10
Cortese		2.000	0	0	0	0	16	16
Notify 65		2.000	0	0	0	0	0	0
Toxic Pits		2.000	0	0	0	0	0	0
State Landfill		2.000	0	0	0	0	1	1
WMUDS/SWAT		2.000	0	0	0	0	1	1
LUST		2.000	0	0	0	0	19	19
CA Bond Exp. Plan		2.000	0	0	0	0	0	0
UST		2.000	0	0	0	0	11	11
VCP		2.000	0	0	0	0	0	0
INDIAN UST		2.000	0	0	0	0	0	0
INDIAN LUST		2.000	0	0	0	0	0	0
CA FID UST		2.000	0	0	0	0	8	8
HIST UST		2.000	0	0	0	1	17	18
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		2.000	0	0	0	0	0	0
ROD		2.000	0	0	0	0	0	0
Delisted NPL		2.000	0	0	0	0	0	0
FINDS		2.000	0	0	0	0	68	68
HMIRS		2.000	0	0	0	0	0	0
MLTS		2.000	0	0	0	0	0	0
MINES		2.000	0	0	0	0	0	0
NPL Liens		2.000	0	0	0	0	0	0
PADS		2.000	0	0	0	0	0	0
UMTRA		2.000	0	0	0	0	0	0
ODI		2.000	0	0	0	0	0	0
FUDS		2.000	0	0	0	0	0	0
DOD		2.000	0	0	0	0	0	0
INDIAN RESERV		2.000	0	0	0	0	0	0
RAATS		2.000	0	0	0	0	0	0
TRIS		2.000	0	0	0	0	2	2

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
TSCA		2.000	0	0	0	0	0	0
SSTS		2.000	0	0	0	0	0	0
FTTS		2.000	0	0	0	0	0	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
AST		2.000	0	0	0	0	3	3
CLEANERS		2.000	0	0	0	0	0	0
CA WDS		2.000	0	0	0	0	10	10
DEED		2.000	0	0	0	0	0	0
NFE		2.000	0	0	0	0	0	0
SCH		2.000	0	0	0	0	0	0
EMI		2.000	0	0	0	0	10	10
REF		2.000	0	0	0	0	0	0
NFA		2.000	0	0	0	0	0	0
SLIC		2.000	0	0	0	0	9	9
HAZNET		2.000	0	0	0	0	113	113
Los Angeles Co. HMS		2.000	0	0	0	0	136	136
LA Co. Site Mitigation		2.000	0	0	0	0	2	2
AOCONCERN		2.000	0	0	0	0	0	0
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		2.000	0	0	0	0	0	0
BROWNFIELDS DATABASES								
US BROWNFIELDS		2.000	0	0	0	0	0	0
VCP		2.000	0	0	0	0	0	0

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1
ENE
1/4-1/2
1870 ft.

CASTAIC JUNCTION FIELD **
CASTAIC JUNCTION FIELD **
LOS ANGELES (County), CA

ERNS **91201926**
N/A

Relative: Higher

Actual: 1271 ft.

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

2
NW
1/2-1
5210 ft.

TRAVEL VILLAGE
27946 HENRY MAYO DR
CASTAIC, CA 91355

HIST UST **U001567876**
N/A

Relative: Lower

Actual: 984 ft.

UST HIST:

Facility ID:	41379	Owner Name:	NEWHALL INVESTMENT PROPERTIES
Total Tanks:	1	Region:	STATE
Owner Address:	23823 VALENCIA BOULEVARD VALENCIA, CA 91355		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00000500	Year Installed:	Not reported
Type of Fuel:	REGULAR	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	AL NUSBAUM	Telephone:	(805) 255-4222
Facility Type:	Other	Other Type:	CAMPGROUND

A3
NNW
> 1
5394 ft.

FIESTA RESORTS
27946 W HENRY MAYO DR
, CA

LOS ANGELES CO. HMS **S102064533**
N/A

Site 1 of 4 in cluster A

Relative: Lower

Actual: 1001 ft.

HMS:

Facility Id:	014852-015631		
Area:	7		
Facility Type:	T0		
Permit Number:	00005953T	Permit Status:	Closed
Facility Status:	Closed		
Region:	Los Angeles County:		

A4
NNW
> 1
5394 ft.

VALENCIA TRAVEL VILLAGE
27946 W HENRY MAYO DR
, CA

LOS ANGELES CO. HMS **S102064534**
N/A

Site 2 of 4 in cluster A

Relative: Lower

Actual: 1001 ft.

HMS:

Facility Id:	014852-021889		
Area:	7		
Facility Type:	T0		
Permit Number:	000101723	Permit Status:	Removed
Facility Status:	Removed		

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

VALENCIA TRAVEL VILLAGE (Continued) **S102064534**

Region: Los Angeles County:

A5
NNW
> 1
5607 ft.

THE VALENCIA TRAVEL VILLAGE
27946 HENRY MAYO ROAD, RTE 126
VALENCIA, CA 91384

HAZNET **S103991139**
N/A

Site 3 of 4 in cluster A

Relative: Lower

Actual: 998 ft.

HAZNET:

Gepaid:	CAC001485192
TSD EPA ID:	CAD982484933
Gen County:	Los Angeles
Tsd County:	7
Tons:	.2500
Waste Category:	Other empty containers 30 gallons or more
Disposal Method:	Recycler
Contact:	STEWART BLAIR
Telephone:	(805) 257-3333
Mailing Address:	27946 HENRY MAYO ROAD, RTE 126 VALENCIA, CA 91384
County	Los Angeles
Gepaid:	CAC001485192
TSD EPA ID:	CAD028409019
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.4170
Waste Category:	Aqueous solution with 10% or more total organic residues
Disposal Method:	Treatment, Tank
Contact:	STEWART BLAIR
Telephone:	(805) 257-3333
Mailing Address:	27946 HENRY MAYO ROAD, RTE 126 VALENCIA, CA 91384
County	Los Angeles

A6
NNW
> 1
5607 ft.

FIESTA RESORT TRAVEL VILLAGE
27946 HENRY MAYO RD
VALENCIA, CA 91384

CA FID UST **S101584732**
N/A

Site 4 of 4 in cluster A

Relative: Lower

Actual: 998 ft.

FID:

Facility ID:	19014937	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(805) 257-1135
Mail To:	Not reported 27946 HENRY MAYO DR VALENCIA, CA 91384		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

B7
NNW
> 1
5711 ft.

Relative:
Lower

Actual:
996 ft.

SCHWARTZ OIL CO
27241 HENRY MAYO DR
VALENCIA, CA 91355

Site 1 of 8 in cluster B

Database(s): HAZNET, UST, HIST UST, EMI

EDR ID Number: U001567874
EPA ID Number: N/A

HAZNET:

Gepaid: CAL000171310
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.14
Waste Category: Tank bottom waste
Disposal Method: Recycler
Contact: GINNY OSTROVE-OFFICE MGR
Telephone: (661) 259-4000
Mailing Address: 27241 HENRY MAYO DR
VALENCIA, CA 91355
County Not reported

Gepaid: CAL000171310
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 15.01
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Contact: GINNY OSTROVE-OFFICE MGR
Telephone: (661) 259-4000
Mailing Address: 27241 HENRY MAYO DR
VALENCIA, CA 91355
County Not reported

Gepaid: CAL000171310
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 10.42
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: GINNY OSTROVE-OFFICE MGR
Telephone: (661) 259-4000
Mailing Address: 27241 HENRY MAYO DR
VALENCIA, CA 91355
County Not reported

Gepaid: CAC001421632
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.8556
Waste Category: Unspecified oil-containing waste
Disposal Method: Treatment, Tank
Contact: TRUDY EMETERIO
Telephone: (000) 000-0000
Mailing Address: 27241 HENRY MAYO
VALENCIA, CA 00000
County Los Angeles

SCHWARTZ OIL CO (Continued) **U001567874**

Gepaid: CAC001421632
TSD EPA ID: CAD982484933
Gen County: Los Angeles
Tsd County: 7
Tons: .5000
Waste Category: Empty containers less than 30 gallons
Disposal Method: Disposal, Other
Contact: TRUDY EMETERIO
Telephone: (000) 000-0000
Mailing Address: 27241 HENRY MAYO
VALENCIA, CA 00000
County Los Angeles

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET record(s) in the EDR Site Report.

UST HIST:

Facility ID: 5275
Total Tanks: 4
Owner Address: 27241 HENRY MAYO RD.
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 1
Tank Capacity: 00020000
Type of Fuel: UNLEADED
Leak Detection: Stock Inventor
Contact Name: PAUL SCHWARTZ
Facility Type: Other
Owner Name: SCHWARTZ OIL COMPANY INC.
Region: STATE
Container Num: 1
Year Installed: 1970
Tank Construction: Not Reported
Telephone: (805) 259-4000
Other Type: Not reported

Facility ID: 5275
Total Tanks: 4
Owner Address: 27241 HENRY MAYO RD.
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00020000
Type of Fuel: REGULAR
Leak Detection: Stock Inventor
Contact Name: PAUL SCHWARTZ
Facility Type: Other
Owner Name: SCHWARTZ OIL COMPANY INC.
Region: STATE
Container Num: 2
Year Installed: 1970
Tank Construction: Not Reported
Telephone: (805) 259-4000
Other Type: Not reported

Facility ID: 5275
Total Tanks: 4
Owner Address: 27241 HENRY MAYO RD.
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 3
Tank Capacity: 00020000
Type of Fuel: DIESEL
Leak Detection: Stock Inventor
Contact Name: PAUL SCHWARTZ
Facility Type: Other
Owner Name: SCHWARTZ OIL COMPANY INC.
Region: STATE
Container Num: 3
Year Installed: 1970
Tank Construction: Not Reported
Telephone: (805) 259-4000
Other Type: Not reported

Facility ID: 5275
Total Tanks: 4
Owner Address: 27241 HENRY MAYO RD.
VALENCIA, CA 91355
Owner Name: SCHWARTZ OIL COMPANY INC.
Region: STATE

SCHWARTZ OIL CO (Continued) U001567874

Tank Used for: PRODUCT
Tank Num: 4 Container Num: 4
Tank Capacity: 00012000 Year Installed: 1970
Type of Fuel: PREMIUM Tank Construction: Not Reported
Leak Detection: Stock Inventor
Contact Name: PAUL SCHWARTZ Telephone: (805) 259-4000
Facility Type: Other Other Type: Not reported

EMISSIONS :
Facility ID : 35743
Air District Code : SC
SIC Code : 5171
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

State UST:
Facility ID: 016425
Region: STATE
Local Agency: 19000

B8 **SCHWARTZ OIL CO.** LUST S104160064
NNW **27241 HENRY MAYO DR** Cortese N/A
> 1 **VALENCIA, CA 91355**
5711 ft.

Site 2 of 8 in cluster B

Relative:
Lower

State LUST:
Cross Street: THE OLD ROAD
Actual: Qty Leaked: Not reported
996 ft. Case Number I-16425
Reg Board: Los Angeles Region
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19000
Case Type: Other ground water affected
Status: Case Closed
Review Date: Not reported Confirm Leak: Not reported
Workplan: 1992-04-14 00:00:00 Prelim Assess: 1992-04-14 00:00:00
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1996-08-30 00:00:00
Release Date: 1992-04-14 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1992-01-23 00:00:00
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1992-05-26 00:00:00
Funding: Federal Funds
Staff Initials: Not reported
How Discovered: OM
How Stopped: Not reported

SCHWARTZ OIL CO. (Continued) S104160064

Interim : Not reported
Leak Cause: UNK
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : Not reported
Oversight Prgm: LUST
Review Date : 1996-09-24 00:00:00
Stop Date : Not reported
Work Suspended : Not reported
Responsible Party: SCHWARTZ OIL CO.
RP Address: 2615 NUTMEG ST., MORRO BAY,
Global Id: T0603704411
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 4/14/1992
Lead Agency: Regional Board
Local Agency: 19000
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 9/24/1996
Date Leak Record Entered: 5/26/1992
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: SCHWARTZ OIL CO.
RP Address: 2615 NUTMEG ST., MORRO BAY, 93442
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34.4391864 / -1
Local Agency Staff: Not reported

SCHWARTZ OIL CO. (Continued) **S104160064**

Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	Not reported
Abatement Method Used at the Site:	Not reported
Operator :	Not reported
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	4519.628688229084509893134914 7
Assigned Name :	Not reported
W Global ID :	Not reported
Source of Cleanup Funding:	Federal Funds
Date the Leak was Discovered:	1/23/1992
How the Leak was Discovered:	OM
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	Tank
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	4/14/1992
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	8/30/1996
Enforcement Action Date:	Not reported
Date Leak First Reported:	4/14/1992
Enforcement Type:	Not reported
Global ID :	T0603704411
Cross Street:	THE OLD ROAD
Summary :	

CORTESE:
Region: CORTESE
Fac Address 2: 27241 HENRY MAYO DR

B9
NNW
> 1
5711 ft.

Relative:
Lower

Actual:
996 ft.

SCHWARTZ OIL CO INC FINDS 1006306954
27241 HENRY MAYO DR 110012435551
VALENCIA, CA 91355

Site 3 of 8 in cluster B

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory

B10
NNW
> 1
5716 ft.

Relative:
Lower

Actual:
996 ft.

LA CO FIRE STATION #076 LUST S102064489
27223 HENRY MAYO DR Cortese N/A
VALENCIA, CA 91321 LOS ANGELES CO. HMS

Site 4 of 8 in cluster B

State LUST:

Cross Street:	CASTAIC CANYO		
Qty Leaked:	Not reported		
Case Number	R-12547		
Reg Board:	Los Angeles Region		
Chemical:	Hydrocarbons		
Lead Agency:	Local Agency		
Local Agency :	19000		
Case Type:	Soil only		
Status:	Case Closed		
Abate Method:	Other Means		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		
Monitoring:	Not reported		
Close Date:	1997-08-13 00:00:00		
Release Date:	1997-06-26 00:00:00		
Cleanup Fund Id :	Not reported		
Discover Date :	1997-06-04 00:00:00		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	1997-07-17 00:00:00		
Funding:	Not reported		
Staff Initials:	Not reported		
How Discovered:	Tank Closure		
How Stopped:	Not reported		
Interim :	Not reported		
Leak Cause:	UNK		
Leak Source:	Tank		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case # :	Not reported		
Beneficial:	Not reported		
Staff :	UNK		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	SANTA CLARA RIVER VA		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	1997-08-13 00:00:00		
Stop Date :	Not reported		
Work Suspended :	Not reported		
Responsible Party:	LA COUNTY FIRE DEP		
RP Address:	1320 N. EASTERN AVE., LOS AN		
Global Id:	T0603705143		
Org Name:	Not reported		
Contact Person:	Not reported		
MTBE Conc:	0		
Mtbe Fuel:	0		

LA CO FIRE STATION #076 (Continued) **S102064489**

Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 6/26/1997
Lead Agency: Local Agency
Local Agency: 19000
Substance: Hydrocarbons
Case Type: Soil
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 8/13/1997
Date Leak Record Entered: 7/17/1997
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: LA COUNTY FIRE DEPARTMENT
RP Address: 1320 N. EASTERN AVE., LOS ANGELES CA 90063-3294
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34.4391864 / -1
Local Agency Staff: Not reported
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : Not reported
Abatement Method Used at the Site: OT
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 4519.628688229084509893134914 7
Assigned Name : Not reported
W Global ID : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 6/4/1997
How the Leak was Discovered: Tank Closure
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported

LA CO FIRE STATION #076 (Continued) **S102064489**

Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 8/13/1997
Enforcement Action Date: Not reported
Date Leak First Reported: 6/26/1997
Enforcement Type: Not reported
Global ID : T0603705143
Cross Street: CASTAIC CANYON RD
Summary : DEPTH TO G.W. 25TH. BGS. FURTHER ASSESSMENT REQ'D. G.W. CONTAMINATION. POTENTIAL

CORTESE:
Region: CORTESE
Fac Address 2: 27223 HENRY MAYO DR

HMS:
Facility Id: 012416-012547
Area: 7
Facility Type: T0
Permit Number: 00004303T Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

B11 **LA COUNTY FIRE DEPT STATION 76** AST A100211166
NNW **27223 HENRY MAYO DR** N/A
> 1 **VALENCIA, CA 91355**
5716 ft.

Site 5 of 8 in cluster B

Relative:
Lower

AST:
Owner: LOS ANGELES COUNTY FIRE DEPT
Total Gallons: 1000

Actual:
996 ft.

B12 **LA CO FD FIRE STA #076** CA FID UST S101587195
NNW **27223 HENRY MAYO DR** N/A
> 1 **NEWHALL, CA 91321**
5716 ft.

Site 6 of 8 in cluster B

Relative:
Lower

FID:
Facility ID: 19055062 Regulate ID: 00020631
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported SIC Code: Not reported
Status: Active Facility Tel: (818) 000-0000
Mail To: Not reported
1320 N EASTERN AVE
NEWHALL, CA 91321
Contact: Not reported Contact Tel: Not reported
DUNs No: Not reported NPDES No: Not reported
Creation: 10/22/93 Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

Actual:
996 ft.

B13 **FIRE STATION #76** **HIST UST** **U001562296**
NNW **27223 HENRY MAYO DR** **N/A**
> 1 **VALENCIA, CA 90063**
5716 ft.

Site 7 of 8 in cluster B

Relative: Lower

Actual: 996 ft.

UST HIST:

Facility ID:	20631	Owner Name:	LOS ANGELES COUNTY MECHANICAL
Total Tanks:	2	Region:	STATE
Owner Address:	1100 N. EASTERN AVE. LOS ANGELES, CA 90063		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	#1
Tank Capacity:	00001000	Year Installed:	Not reported
Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	L.A. COUNTY MECHANICAL DEPARTM	Telephone:	(213) 267-2242
Facility Type:	Other	Other Type:	FIRE

Facility ID:	20631	Owner Name:	LOS ANGELES COUNTY MECHANICAL
Total Tanks:	2	Region:	STATE
Owner Address:	1100 N. EASTERN AVE. LOS ANGELES, CA 90063		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	#2
Tank Capacity:	00001000	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	Not reported		
Contact Name:	L.A. COUNTY MECHANICAL DEPARTM	Telephone:	(213) 267-2242
Facility Type:	Other	Other Type:	FIRE

B14 **R.M. PYLES BOYS CAMP, INC.** **HIST UST** **U001567871**
NNW **27211 HENRY MAYO DR** **N/A**
> 1 **VALENCIA, CA 91355**
5719 ft.

Site 8 of 8 in cluster B

Relative: Lower

Actual: 996 ft.

UST HIST:

Facility ID:	55879	Owner Name:	R.M. PYLES BOYS CAMP, INC.
Total Tanks:	1	Region:	STATE
Owner Address:	27211 HENRY MAYO DRIVE VALENCIA, CA 91355		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00004000	Year Installed:	1981
Type of Fuel:	REGULAR	Tank Construction:	3/4 inches
Leak Detection:	None		
Contact Name:	BRUCE A. BALL	Telephone:	(805) 257-2490
Facility Type:	Other	Other Type:	HEQTRS FOR SUMMER CA

C15 **SCHWARTZ OIL CO** **LOS ANGELES CO. HMS** **S102064492**
North **27241 W HENRY MAYO DR** **N/A**
> 1 **, CA**
5894 ft.

Site 1 of 3 in cluster C

Relative: Lower

Actual: 1009 ft.

HMS:

Facility Id:	015280-I16425
Area:	7
Facility Type:	Not reported

SCHWARTZ OIL CO (Continued) **S102064492**

Permit Number:	Not reported	Permit Status:	Not reported
Facility Status:	OPEN		
Region:	Los Angeles County:		
Facility Id:	015280-016425		
Area:	7		
Facility Type:	T0		
Permit Number:	00006128T	Permit Status:	Permit
Facility Status:	Permit		
Region:	Los Angeles County:		
Facility Id:	015280-024916		
Area:	7		
Facility Type:	Not reported		
Permit Number:	Not reported	Permit Status:	Not reported
Facility Status:	OPEN		
Region:	Los Angeles County:		

C16 **SCHUARTI OIL CO. INC.** **CA FID UST** **S101583389**
North **27241 HENRY MAYO RD** **N/A**
> 1 **VALENCIA, CA 91355**
5898 ft.

Site 2 of 3 in cluster C

Relative: Lower

Actual: 1009 ft.

FID:

Facility ID:	19003595	Regulate ID:	Not reported
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(805) 259-4000
Mail To:	Not reported 6215 NUTMEG ST VALENCIA, CA 91355		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

C17 **NEWHALL LAND & FARMING** **LUST** **S102064490**
North **27230 HENRY MAYO RD** **Cortese** **N/A**
> 1 **VALENCIA, CA 91355**
5946 ft.

Site 3 of 3 in cluster C

Relative: Lower

Actual: 1010 ft.

State LUST:

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number	I-14698		
Reg Board:	Los Angeles Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Local Agency :	19000		
Case Type:	Soil only		
Status:	Case Closed		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported		

NEWHALL LAND & FARMING (Continued) **S102064490**

Monitoring: Not reported
Close Date: 1990-01-29 00:00:00
Release Date: 1990-01-29 00:00:00
Cleanup Fund Id : Not reported
Discover Date : Not reported
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1990-01-22 00:00:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : Not reported
Oversight Prgm: LUST
Review Date : 1990-01-29 00:00:00
Stop Date : Not reported
Work Suspended : Not reported
Responsible Party: NEWHALL LAND & FAR
RP Address: 23823 VALENCIA BOULEVARD, VA
Global Id: T0603704197
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 1/29/1990
Lead Agency: Local Agency
Local Agency: 19000
Substance: Gasoline
Case Type: Soil
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 1/29/1990
Date Leak Record Entered: 1/22/1990
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported

NEWHALL LAND & FARMING (Continued) **S102064490**

Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: NEWHALL LAND & FARMING CO.
RP Address: 23823 VALENCIA BOULEVARD, VALENCIA, 91355
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34.4391864 / -1
Local Agency Staff: Not reported
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : Not reported
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 4519.628688229084509893134914 7
Assigned Name : Not reported
W Global ID : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: Not reported
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 1/29/1990
Enforcement Action Date: Not reported
Date Leak First Reported: 1/29/1990
Enforcement Type: Not reported
Global ID : T0603704197
Cross Street: Not reported
Summary :

CORTESE:
Region: CORTESE
Fac Address 2: 27230 HENRY MAYO RD

18
North
> 1
6252 ft.

Relative:
Lower

Actual:
1012 ft.

R M PYLES BOYS CAMP INC — LOS ANGELES CO. HMS — S102064488 / N/A
27211 W HENRY MAYO DR
, CA

HMS:
Facility Id: 014300-014848
Area: 7
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: Removed
Region: Los Angeles County;

D19
NNE
> 1
6605 ft.

Relative:
Lower

Actual:
1016 ft.

STOCKDALE MATERIALS CO., INC — HIST UST — U001567875 / N/A
28762 CASTAIC CANYON RD
VALENCIA, CA 91355

Site 1 of 10 in cluster D

UST HIST:
Facility ID: 3106 — Owner Name: THE NEWHALL LAND AND FARMING C
Total Tanks: 2 — Region: STATE
Owner Address: 23823 VALENCIA BLVD.
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 1 — Container Num: 1&2
Tank Capacity: 00001000 — Year Installed: Not reported
Type of Fuel: DIESEL — Tank Construction: Not Reported
Leak Detection: Pressure Test
Contact Name: PHILIP ROBINSON — Telephone: (805) 257-0292
Facility Type: Other — Other Type: BUILDING MATERIAL SU

Facility ID: 3106 — Owner Name: THE NEWHALL LAND AND FARMING C
Total Tanks: 2 — Region: STATE
Owner Address: 23823 VALENCIA BLVD.
VALENCIA, CA 91355
Tank Used for: Not Reported
Tank Num: 2 — Container Num: 0000000001
Tank Capacity: 00005000 — Year Installed: Not reported
Type of Fuel: Not reported — Tank Construction: Not Reported
Leak Detection: Not reported
Contact Name: PHILIP ROBINSON — Telephone: (805) 257-0292
Facility Type: Other — Other Type: BUILDING MATERIAL SU

D20
NNE
> 1
6612 ft.

Relative:
Lower

Actual:
1016 ft.

NEWHALL LAND & FARMING — LUST — S102064571
28760 CASTAIC CANYON RD — Cortese — N/A
VALENCIA, CA 91355 — LOS ANGELES CO. HMS

Site 2 of 10 in cluster D

State LUST:
Cross Street: Not reported
Qty Leaked: Not reported
Case Number I-05310
Reg Board: Los Angeles Region
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 19000
Case Type: Soil only
Status: Case Closed

NEWHALL LAND & FARMING (Continued) — S102064571

Review Date: Not reported — Confirm Leak: Not reported
Workplan: Not reported — Prelim Assess: Not reported
Pollution Char: Not reported — Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1990-01-10 00:00:00
Release Date: 1990-01-10 00:00:00
Cleanup Fund Id : Not reported
Discover Date : Not reported
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1990-01-22 00:00:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: Not reported
Leak Source: Not reported
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : Not reported
Oversight Prgm: LUST
Review Date : 1990-01-29 00:00:00
Stop Date : Not reported
Work Suspended : Not reported
Responsible Party: NEWHALL LAND & FAR
RP Address: 23823 VALENCIA BOULEVARD, VA
Global Id: T0603703062
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 1/10/1990
Lead Agency: Local Agency
Local Agency: 19000
Substance: Gasoline
Case Type: Soil
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 1/29/1990

NEWHALL LAND & FARMING (Continued) **S102064571**

Date Leak Record Entered:	1/22/1990
Historical Max MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	04
Owner Contact:	Not reported
Responsible Party:	NEWHALL LAND & FARMING
RP Address:	23823 VALENCIA BOULEVARD, VALENCIA, 91355
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34.4392614 / -1
Local Agency Staff:	Not reported
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	Not reported
Abatement Method Used at the Site:	Not reported
Operator :	Not reported
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	4345.969754682401609708537838 9
Assigned Name :	Not reported
W Global ID :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	Not reported
How the Leak was Discovered:	Not reported
How the Leak was Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	1/10/1990
Enforcement Action Date:	Not reported
Date Leak First Reported:	1/10/1990
Enforcement Type:	Not reported
Global ID :	T0603703062
Cross Street:	Not reported
Summary :	

CORTESE:

Region:	CORTESE
Fac Address 2:	28760 CASTAIC CANYON RD

HMS:

Facility Id:	005116-005310
Area:	7

NEWHALL LAND & FARMING (Continued) **S102064571**

Facility Type:	Not reported		
Permit Number:	Not reported	Permit Status:	Not reported
Facility Status:	Removed		
Region:	Los Angeles County:		
Facility Id:	014173-014696		
Area:	7		
Facility Type:	Not reported		
Permit Number:	Not reported	Permit Status:	Not reported
Facility Status:	Removed		
Region:	Los Angeles County:		

D21 **EAST PARK GALLERY SVCS INC** **HAZNET** **S102806435**
NNE **28756 CASTAIC CANYON RD** **N/A**
> 1 **VALENCIA, CA 91355**
6625 ft.

Site 3 of 10 in cluster D

Relative:
Lower

Actual:
1016 ft.

HAZNET:

Gepaid:	CAD073005704
TSD EPA ID:	CAD089446710
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.0834
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Transfer Station
Contact:	LEE BURR
Telephone:	(000) 000-0000
Mailing Address:	28756 CASTAIC CANYON RD VALENCIA, CA 91355
County	Los Angeles
Gepaid:	CAD073005704
TSD EPA ID:	CAD008252405
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.1668
Waste Category:	Unspecified solvent mixture Waste
Disposal Method:	Recycler
Contact:	LEE BURR
Telephone:	(000) 000-0000
Mailing Address:	28756 CASTAIC CANYON RD VALENCIA, CA 91355
County	Los Angeles
Gepaid:	CAD073005704
TSD EPA ID:	CAD008252405
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.2085
Waste Category:	Unspecified organic liquid mixture
Disposal Method:	Recycler
Contact:	LEE BURR
Telephone:	(000) 000-0000
Mailing Address:	28756 CASTAIC CANYON RD VALENCIA, CA 91355
County	Los Angeles

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

EAST PARK GALLERY SVCS INC (Continued) — **S102806435**

Gepaid: CAD073005704
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4587
Waste Category: Paint sludge
Disposal Method: Recycler
Contact: LEE BURR
Telephone: (000) 000-0000
Mailing Address: 28756 CASTAIC CANYON RD
VALENCIA, CA 91355
County: Los Angeles

Gepaid: CAD073005704
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0200
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Transfer Station
Contact: LEE BURR
Telephone: (000) 000-0000
Mailing Address: 28756 CASTAIC CANYON RD
VALENCIA, CA 91355
County: Los Angeles

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET record(s) in the EDR Site Report.

D22
NNE
> 1
6625 ft.

Relative:
Lower

Actual:
1016 ft.

NEWHALL LAND AND FARMING CO — RCRIS-SQG 1000393376, FINDS CAD073005704
28756 CASTAIC CANYON RD
VALENCIA, CA 91355

Site 4 of 10 in cluster D

RCRIS:
Owner: NEWHALL LAND AND FARMING CO
(805) 255-4000
EPA ID: CAD073005704
Contact: ROGER JONES
(805) 255-4072
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

23
North
> 1
6627 ft.

Relative:
Lower

Actual:
1015 ft.

EXXON CO USA — LOS ANGELES CO. HMS — U003060441, N/A
27101 W HENRY MAYO DR
, CA

HMS:
Facility Id: 004233-I04386
Area: 7
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Facility Id: 020265-028846
Area: 7
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

D24
NNE
> 1
6628 ft.

Relative:
Lower

Actual:
1016 ft.

TRI R TRUCKING — RCRIS-SQG 1000596281, FINDS CAD983602467, HAZNET
28748 CASTAIC CYN RD
VALENCIA, CA 91355

Site 5 of 10 in cluster D

RCRIS:
Owner: NEWHALL LAND AND FARMING
(805) 255-4000
EPA ID: CAD983602467
Contact: EDWIN JAMES
(805) 257-3207
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD983602467
TSD EPA ID: CAD093459485
Gen County: Los Angeles
Tsd County: Fresno
Tons: .0625
Waste Category: Organic liquids with metals Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Transfer Station
Contact: NEWHALL LAND AND FARMING
Telephone: (805) 255-4000
Mailing Address: 28748 CASTAIC CYN RD
VALENCIA, CA 91355
County: Los Angeles

TRI R TRUCKING (Continued) **1000596281**

Gepaid: CAD983602467
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8838
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: NEWHALL LAND AND FARMING
Telephone: (805) 255-4000
Mailing Address: 28748 CASTAIC CYN RD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAD983602467
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.29
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: E J WHITEHEAD PRES
Telephone: (661) 294-2292
Mailing Address: P O BOX 923610
SYLMAR, CA 91392 - 3610
County Not reported

Gepaid: CAD983602467
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.5294
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: NEWHALL LAND AND FARMING
Telephone: (805) 255-4000
Mailing Address: 28748 CASTAIC CYN RD
VALENCIA, CA 91355
County Los Angeles

D25 **TRI-R-TRUCKING** **LUST S101298311**
NNE **28748 CASTAIC CANYON RD** **Cortese N/A**
> 1 **VALENCIA, CA 91355** **CA WDS**
6628 ft.

Site 6 of 10 in cluster D

Relative:
Lower

Actual:
1016 ft.

State LUST:
Cross Street: THE OLD RD
Qty Leaked: Not reported
Case Number I-15245
Reg Board: Los Angeles Region
Chemical: Diesel
Lead Agency: Local Agency
Local Agency : 19000
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: Not reported
Pollution Char: Not reported
Remed Action: Not reported
Confirm Leak: Not reported
Prelim Assess: Not reported
Remed Plan: Not reported

TRI-R-TRUCKING (Continued) **S101298311**

Monitoring: Not reported
Close Date: 1994-10-11 00:00:00
Release Date: 1990-10-29 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1989-12-08 00:00:00
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1990-12-05 00:00:00
Funding: Federal Funds
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : JAMES, E
Oversight Prgm: LUST
Review Date : 1994-10-11 00:00:00
Stop Date : 1989-12-08
Work Suspended :Not reported
Responsible PartyTRI-R TRUCKING
RP Address: 28748 CASTIAC CYN RD, VALENC
Global Id: T0603704280
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 10/29/1990
Lead Agency: Local Agency
Local Agency: 19000
Substance: Diesel
Case Type: Soil
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 10/11/1994
Date Leak Record Entered: 12/5/1990
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported

TRI-R-TRUCKING (Continued) **S101298311**

Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	04
Owner Contact:	Not reported
Responsible Party:	TRI-R TRUCKING
RP Address:	28748 CASTIAC CYN RD, VALENCIA CA 91355
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34.4389004 / -1
Local Agency Staff:	Not reported
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	Not reported
Abatement Method Used at the Site:	Not reported
Operator :	JAMES, ED OLD CASE#120690-17
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	4436.642403091777109028203O114
Assigned Name :	Not reported
W Global ID :	Not reported
Source of Cleanup Funding:	Federal Funds
Date the Leak was Discovered:	12/8/1989
How the Leak was Discovered:	Tank Closure
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Date The Leak was Stopped:	12/8/1989
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	10/11/1994
Enforcement Action Date:	Not reported
Date Leak First Reported:	10/29/1990
Enforcement Type:	Not reported
Global ID :	T0603704280
Cross Street:	THE OLD RD
Summary :	

CORTESE:

Region:	CORTESE
Fac Address 2:	28748 CASTAIC CANYON RD

WDS:

Facility ID:	4 19I009721		
Facility Contact	Earl J. Whitehead	Facility Telephone	(616) 257-3207
SIC Code:	4221	SIC Code 2:	Not reported
Agency Name:	EARL J WHITEHEAD		
Agency Address:	Not reported		
Agency Contact:	Not reported	Agency Phone:	Not reported

TRI-R-TRUCKING (Continued) **S101298311**

Design Flow:	0 Million Gal/Day — Baseline Flow: 0 Million Gal/Day
Facility Type:	Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type:	Private
Waste Type:	Stormwater Runoff - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., Inorganic salts and heavy metals) are included in this category.
Threat to Water:	Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity:	Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation:	No reclamation requirements associated with this facility.
POTW:	The facility is not a POTW.
NPDES Number:	CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion:	4

D26 **& V TRUCKING CO.** **HIST UST** **U001567863**
NNE **28748 CASTAIC CANYON RD** **N/A**
> 1 **VALENCIA, CA 91355**
6628 ft.

Site 7 of 10 in cluster D

Relative: **Lower**

Actual: **1016 ft.**

UST HIST:

Facility ID:	4863	Owner Name:	J & V TRUCKING CO.
Total Tanks:	1	Region:	STATE
Owner Address:	28748 CASTAIC CYN. RD. VALENCIA, CA 91355		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00010000	Year Installed:	1974
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	None		
Contact Name:	E. J. SCHILZ	Telephone:	(805) 257-3207
Facility Type:	Other	Other Type:	Not reported

D27 **WESTERN ENERGY SCIENCES** **LOS ANGELES CO. HMS** **U003061216**
NNE **28760 N CASTAIC CANYON RD** **N/A**
> 1 **, CA**
6744 ft.

Site 8 of 10 in cluster D

Relative: **Lower**

Actual: **1017 ft.**

HMS:

Facility Id:	005116-I05310		
Area:	7		
Facility Type:	I05		
Permit Number:	000008584	Permit Status:	Closed
Facility Status:	Closed		
Region:	Los Angeles County:		

D28 **KENNEDY STORAGE** LOS ANGELES CO. HMS S102592985
NNE **28754 N CASTAIC CANYON RD** N/A
> 1 **, CA**
6756 ft.

Site 9 of 10 in cluster D

Relative: **Lower**

HMS:
Facility Id: 017945-024603
Actual: **1017 ft.** Area: 7
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

D29 **CLASSIC CARTAGE** LOS ANGELES CO. HMS S102064569
NNE **28748 N CASTAIC CANYON RD** N/A
> 1 **, CA**
6780 ft.

Site 10 of 10 in cluster D

Relative: **Lower**

HMS:
Facility Id: 014616-015245
Actual: **1017 ft.** Area: 7
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

E30 **VALENCIA WATER RECLAMATION PLA** LUST U001567878
NE **28185 THE OLD RD** HIST UST N/A
> 1 **VALENCIA, CA 91355**
6827 ft.

Site 1 of 7 in cluster E

Relative: **Lower**

State LUST:
Cross Street: RYE CANYON RD
Actual: **1049 ft.** Qty Leaked: Not reported
Case Number R-12607
Reg Board: Los Angeles Region
Chemical: Diesel
Lead Agency: Regional Board
Local Agency : 19000
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: 1993-10-07 00:00:00 Confirm Leak: 1993-10-07 00:00:00
Workplan: 1993-11-20 00:00:00 Prelim Assess: 1993-11-20 00:00:00
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1998-04-07 00:00:00
Release Date: 1996-09-18 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1993-10-07 00:00:00
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1997-03-28 00:00:00
Funding: Not reported
Staff Initials: Not reported

VALENCIA WATER RECLAMATION PLA (Continued) U001567878

How Discovered: Subsurface Monitoring
How Stopped: Not reported
Interim : Yes
Leak Cause: Corrosion
Leak Source: Piping
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : AS
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : BOB SHIM
Oversight Prgm: LUST
Review Date : 1998-03-04 00:00:00
Stop Date : 1993-11-20
Work Suspended : Not reported
Responsible Party: LA COUNTY SANITATI
RP Address: P.O. BOX 4998 WHITTIER, CA 9
Global Id: T0603705151
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

UST HIST:
Facility ID: 4031 Owner Name: COUNTY SANITATION DISTRICTS OF
Total Tanks: 1 Region: STATE
Owner Address: 1955 WORKMAN MILL ROAD P.O. BO
WHITTIER, CA 90607
Tank Used for: PRODUCT
Tank Num: 1 Container Num: VAL-1
Tank Capacity: 00010000 Year Installed: 1975
Type of Fuel: DIESEL Tank Construction: 1/4 inches
Leak Detection: Stock Inventor
Contact Name: RIC VARDEL Telephone: (805) 257-2549
Facility Type: Other Other Type: WASTEWATER TREATMENT

E31 **CNTY LA SANITATION DIST/VALENCIA WRP** HAZNET S103649303
NE **28185 THE OLD ROAD** N/A
> 1 **VALENCIA, CA 91355**
6827 ft.

Site 2 of 7 in cluster E

Relative: **Lower**

Actual: **1049 ft.**

CNTY LA SANITATION DIST/VALENCIA WRP (Continued) **S103649303**

HAZNET:
Gepaid: CAL000012953
TSD EPA ID: KSD981506025
Gen County: Los Angeles
Tsd County: 99
Tons: .2336
Waste Category: Polychlorinated biphenyls and material containing PCB's
Disposal Method: Treatment, Incineration
Contact: LA CNTY SANITATION DIST OF LA
Telephone: (562) 699-7411
Mailing Address: PO BOX 4998
WHITTIER, CA 90607 - 4998
County Los Angeles

Gepaid: CAL000012953
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 0
Tons: 1.0000
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Contact: LA CNTY SANITATION DIST OF LA
Telephone: (562) 699-7411
Mailing Address: PO BOX 4998
WHITTIER, CA 90607 - 4998
County Los Angeles

Gepaid: CAL000012953
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2334
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: LA CNTY SANITATION DIST OF LA
Telephone: (562) 699-7411
Mailing Address: PO BOX 4998
WHITTIER, CA 90607 - 4998
County Los Angeles

Gepaid: CAL000012953
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .5670
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: LA CNTY SANITATION DIST OF LA
Telephone: (562) 699-7411
Mailing Address: PO BOX 4998
WHITTIER, CA 90607 - 4998
County Los Angeles

CNTY LA SANITATION DIST/VALENCIA WRP (Continued) **S103649303**

Gepaid: CAL000012953
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.1
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: MISCHELLE MISCHE/CIVIL ENGR
Telephone: (562) 699-7411
Mailing Address: PO BOX 4998
WHITTIER, CA 90607 - 4998
County Not reported

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET record(s) in the EDR Site Report.

E32 **LA CO., SANITATION DIST** **FINDS** **1006094161**
NE **28185 THE OLD RD** **110002422646**
> 1 **VALENCIA, CA 91355**
6827 ft.

Site 3 of 7 in cluster E

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory
Permit Compliance System

Actual:
1049 ft.

E33 **VALENCIA WATER RECLAMATIO** **LUST** **S102004086**
NE **28185 THE OLD** **Cortese** **N/A**
> 1 **VALENCIA, CA**
6827 ft.

Site 4 of 7 in cluster E

Relative:
Lower

LUST Region 4:
Report Date: 9/18/1996
Lead Agency: Regional Board
Local Agency: 19000
Substance: Diesel
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: AS
Date Case Last Changed on Database: 3/4/1998
Date Leak Record Entered: 3/28/1997
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: LA COUNTY SANITATION DISTRICTS
RP Address: P.O. BOX 4998 WHITTIER, CA 90607-4998
Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34.4328487 / -1

Actual:
1049 ft.

VALENCIA WATER RECLAMATIO (Continued) **S102004086**

Local Agency Staff:	Not reported
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	Not reported
Abatement Method Used at the Site:	Excavate and Dispose
Operator :	BOB SHIMOKOCI
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	4016.1291582340827928920278418
Assigned Name :	Not reported
W Global ID :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	10/7/1993
How the Leak was Discovered:	Subsurface Monitoring
How the Leak was Stopped:	Not reported
Cause of Leak:	Corrosion
Leak Source:	Piping
Date The Leak was Stopped:	11/20/1993
Date Confirmation Leak Began:	10/7/1993
Preliminary Site Assessment Workplan Submitted:	11/20/1993
Preliminary Site Assessment Began:	11/20/1993
Pollution Characterization Began:	1/9/1998
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	4/7/1998
Enforcement Action Date:	Not reported
Date Leak First Reported:	9/18/1996
Enforcement Type:	Not reported
Global ID :	T0603705151
Cross Street:	RYE CANYON RD
Summary :	02/25/98 - NEW LEAK RELEASE RPT.

CORTESE:

Region:	CORTESE
Fac Address 2:	Not reported

E34
NE
> 1
6827 ft.

Relative:
Lower

Actual:
1049 ft.

HENSEL PHELPHS CONSTRUCTION COMPANY **HAZNET S103967618**
28185 THE OLD ROAD **CA WDS N/A**
VALENCIA, CA 91355 **EMI**

Site 5 of 7 in cluster E

HAZNET:

Gepaid:	CAC000727520
TSD EPA ID:	CAT080022148
Gen County:	Los Angeles
Tsd County:	San Bernardino
Tons:	.6880
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Transfer Station
Contact:	EMPLOYEE OWNED COMPANY
Telephone:	(000) 000-0000
Mailing Address:	2415 CAMPUS DRIVE
	IRVINE, CA 92715
County	Los Angeles

HENSEL PHELPHS CONSTRUCTION COMPANY (Continued) **S103967618**

WDS:

Facility ID:	Santa Clara River 190107023		
Facility Contact	Greg Osburne	Facility Telephone	(661) 257-2549
SIC Code:	4952	SIC Code 2:	Not reported
Agency Name:	LA CO SANITATION DISTRICTS		
Agency Address:	1955 Workman Mill Rd.		
	Whittier		
Agency Contact:	Not reported	Agency Phone:	(562) 699-7411
Design Flow:	22 Million Gal/Day	Baseline Flow:	8 Million Gal/Day
Facility Type:	Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).		
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.		
Agency Type:	County		
Waste Type:	Domestic Sewage combined with Industrial Waste - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.		
Threat to Water:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.		
Complexity:	Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.		
Reclamation:	Producer: Reclamation requirements that have been issued to a producer of reclaimed water that does not use the product.		
POTW:	Not reported		
NPDES Number:	CA0054216 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board		
Subregion:	4		

Facility ID:	Santa Clara River 190107084		
Facility Contact	Greg Osburne	Facility Telephone	(661) 257-2549
SIC Code:	4952	SIC Code 2:	Not reported
Agency Name:	LA CO SANITATION DISTRICTS		
Agency Address:	1955 Workman Mill Rd.		
	Whittier		
Agency Contact:	Not reported	Agency Phone:	(562) 699-7411
Design Flow:	5 Million Gal/Day	Baseline Flow:	5 Million Gal/Day
Facility Type:	Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).		
Facility Status:	Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.		
Agency Type:	County		
Waste Type:	Domestic Sewage combined with Industrial Waste - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.		
Threat to Water:	Major Threat to Water Quality. A violation could render unusable a ground water or surface water resource used as a significant drink water supply, require closure of an area used		

HENSEL PHELPHS CONSTRUCTION COMPANY (Continued) **S103967618**

for contact recreation, result in long-term deleterious effects on shell fish spawning or growth areas of aquatic resources, or directly expose the public to toxic substances.
Complexity: Category A - Any major NPDES facility, any non-NPDES facility (particularly those with toxic wastes) that would be a major if discharge was made to surface or ground waters, or any Class I disposal site. Includes any small-volume complex facility (particularly those with toxicwastes) with numerous discharge points, leak detection systems or ground water monitoring wells.
Reclamation: Producer: Reclamation requirements that have been issued to a producer of reclaimed water that does not use the product.
POTW: Not reported
NPDES Number: Not reported
Subregion: 4

Facility ID: Santa Clara River 196000102
Facility Contact Greg Osburne Facility Telephone (661) 257-2549
SIC Code: 4941 SIC Code 2: Not reported
Agency Name: LA CO SANITATION DISTRICTS
Agency Address: 1955 Workman Mill Rd.
Whittier
Agency Contact: Not reported Agency Phone: (562) 699-7411
Design Flow: 1 Million Gal/Day Baseline Flow: 1 Million Gal/Day
Facility Type: Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: County
Waste Type: Miscellaneous (Includes wastes from dewatering, recreational lake overflow, swimming pool wastes, water ride wastewater, ground water seepage and other wastes of this type) - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Threat to Water: 0
Complexity: Not reported
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
NPDES Number: CAG994004 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

Facility ID: 4 19I007154
Facility Contact Greg Osburne Facility Telephone (661) 257-2549
SIC Code: 0 SIC Code 2: Not reported
Agency Name: LA CO SANITATION DISTRICTS
Agency Address: 1955 Workman Mill Rd.
Whittier
Agency Contact: Not reported Agency Phone: (562) 699-7411
Design Flow: 0 Million Gal/Day Baseline Flow: 0 Million Gal/Day
Facility Type: Municipal/Domestic - Facility that treats sewage or a mixture of predominantly sewage and other waste from districts, municipalities, communities, hospitals, schools, and publicly or privately owned systems (excluding individual subsurface leaching systems disposing of less than 1,000 gallons per day).
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: County
Waste Type: Not reported

HENSEL PHELPHS CONSTRUCTION COMPANY (Continued) **S103967618**

Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

EMISSIONS :

Facility ID :	22674
Air District Code :	SC
SIC Code :	4952
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	19
County ID :	19

E35
NE
> 1
6827 ft.

Relative:
Lower

Actual:
1049 ft.

LA CO SAN DIS-VALENCIA WRC **UST U003777025**
28185 THE OLD RD **N/A**
VALENCIA, CA 91355

Site 6 of 7 in cluster E

State UST:
Facility ID: 012607
Region: STATE
Local Agency: 19000

36
NW
> 1
6910 ft.

Relative:
Lower

Actual:
983 ft.

T A MANUFACTURING CO **FINDS 1001231332**
28065 W FRANKLIN PKWY **HAZNET CAR000039230**
VALENCIA, CA 91355 **RCRIS-LQG**

T A MANUFACTURING CO (Continued) **1001231332**

RCRIS:
Owner: T A MANUFACTURING CO
(805) 775-1100
EPA ID: CAR000039230

Contact: DAVID SCHMIDT
(805) 775-1100

Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAR000039230
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.00
Waste Category: Other inorganic solid waste
Disposal Method: Treatment, Incineration
Contact: ERIC BENFORD
Telephone: (661) 775-1100
Mailing Address: 28065 W FRANKLIN PKWY
VALENCIA, CA 91355
County Not reported

Gepaid: CAR000039230
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.10
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Disposal, Land Fill
Contact: ERIC BENFORD
Telephone: (661) 775-1100
Mailing Address: 28065 W FRANKLIN PKWY
VALENCIA, CA 91355
County Not reported

Gepaid: CAR000039230
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.04
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Contact: ERIC BENFORD
Telephone: (661) 775-1100
Mailing Address: 28065 W FRANKLIN PKWY
VALENCIA, CA 91355
County Not reported

T A MANUFACTURING CO (Continued) **1001231332**

Gepaid: CAR000039230
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 3.62
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: ERIC BENFORD
Telephone: (661) 775-1100
Mailing Address: 28065 W FRANKLIN PKWY
VALENCIA, CA 91355
County Not reported

Gepaid: CAR000039230
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.40
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: ERIC BENFORD
Telephone: (661) 775-1100
Mailing Address: 28065 W FRANKLIN PKWY
VALENCIA, CA 91355
County Not reported

Click this hyperlink while viewing on your computer to access
55 additional CA HAZNET record(s) in the EDR Site Report.

37
NE
> 1
6921 ft.

LA CO SAN DIST VALENCIA WRC **LOS ANGELES CO. HMS** **U002285492**
28185 N THE OLD RD **N/A**
, CA

Relative:
Lower

Actual:
1046 ft.

HMS:
Facility Id: 012457-012607
Area: 7
Facility Type: T0
Permit Number: 00004352T Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

Facility Id: 012457-I12607
Area: 7
Facility Type: I04
Permit Number: CA0054216 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

F38
NE
> 1
6971 ft.

ASHDON DEVELOPMENT
28120 THE OLD RD
VALENCIA, CA 91355

HAZNET **U003777568**
UST **N/A**

Relative: Lower

Actual: 1054 ft.

Site 1 of 2 in cluster F

HAZNET:
Gepaid: CAC002558652
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.82
Waste Category: Unspecified organic liquid mixture
Disposal Method: Treatment, Tank
Contact: MICHAEL GRANSKOG
Telephone: (661) 294-8770
Mailing Address: 28120 THE OLD RD
VALENCIA, CA 91355
County Not reported

State UST:
Facility ID: 024119
Region: STATE
Local Agency: 19000

E39
NE
> 1
6994 ft.

ASHDON DEVELOPMENT
28120 N THE OLD RD
, CA

LOS ANGELES CO. HMS **S102532009**
N/A

Relative: Lower

Actual: 1051 ft.

Site 7 of 7 in cluster E

HMS:
Facility Id: 017622-024119
Area: 7
Facility Type: T0
Permit Number: 000184097 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

Facility Id: 017622-024257
Area: 7
Facility Type: I02
Permit Number: 000186083 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

40
North
> 1
7010 ft.

3D SYSTEMS
26801 AVENUE HALL
, CA 91355

LA Co. Site Mitigation **S102948978**
N/A

Relative: Lower

Actual: 1017 ft.

Site Mitigation Log:
Case Number: PPS001
Abatement Date: 11/03/97
Thomas Guide Page Numbers: 446087

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

G41
NNE
> 1
7033 ft.

CHEVRON STATION # 91899
28805 THE OLD RD
VALENCIA, CA 91355

HAZNET **S102813521**
N/A

Relative: Lower

Actual: 1019 ft.

Site 1 of 4 in cluster G

HAZNET:
Gepaid: CAL000055102
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0750
Waste Category: ***
Disposal Method: Not reported
Contact: CHEVRON STATION
Telephone: (000) 000-0000
Mailing Address: 28805 THE OLD RD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000055102
TSD EPA ID: CAD980883177
Gen County: Los Angeles
Tsd County: Kern
Tons: 1.9807
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: CHEVRON STATION
Telephone: (000) 000-0000
Mailing Address: 28805 THE OLD RD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000055102
TSD EPA ID: CAD982484933
Gen County: Los Angeles
Tsd County: 7
Tons: 13.0850
Waste Category: Other empty containers 30 gallons or more
Disposal Method: Recycler
Contact: CHEVRON STATION
Telephone: (000) 000-0000
Mailing Address: 28805 THE OLD RD
VALENCIA, CA 91355
County Los Angeles

G42
NNE
> 1
7033 ft.

91899
28805 THE OLD ROAD
VALENCIA, CA 91355

HIST UST **U001567854**
N/A

Relative: Lower

Actual: 1019 ft.

Site 2 of 4 in cluster G

UST HIST:
Facility ID: 62162 Owner Name: CHEVRON U.S.A. INC.
Total Tanks: 4 Region: STATE
Owner Address: 575 MARKET
SAN FRANCISCO, CA 94105
Tank Used for: PRODUCT
Tank Num: 1 Container Num: 1
Tank Capacity: 00010000 Year Installed: Not reported
Type of Fuel: Not reported Tank Construction: 0000370 unknown
Leak Detection: Stock Inventor

91899 (Continued) **U001567854**

Contact Name: CRESSALL, RAMON J — Telephone: (805) 257-2584
Facility Type: Gas Station — Other Type: Not reported

Facility ID: 62162 — Owner Name: CHEVRON U.S.A. INC.
Total Tanks: 4 — Region: STATE
Owner Address: 575 MARKET
SAN FRANCISCO, CA 94105
Tank Used for: PRODUCT
Tank Num: 2 — Container Num: 2
Tank Capacity: 00010000 — Year Installed: Not reported
Type of Fuel: Not reported — Tank Construction: 0000370 unknown
Leak Detection: Stock Inventor
Contact Name: CRESSALL, RAMON J — Telephone: (805) 257-2584
Facility Type: Gas Station — Other Type: Not reported

Facility ID: 62162 — Owner Name: CHEVRON U.S.A. INC.
Total Tanks: 4 — Region: STATE
Owner Address: 575 MARKET
SAN FRANCISCO, CA 94105
Tank Used for: PRODUCT
Tank Num: 3 — Container Num: 3
Tank Capacity: 00010000 — Year Installed: Not reported
Type of Fuel: Not reported — Tank Construction: 0000370 unknown
Leak Detection: Stock Inventor
Contact Name: CRESSALL, RAMON J — Telephone: (805) 257-2584
Facility Type: Gas Station — Other Type: Not reported

Facility ID: 62162 — Owner Name: CHEVRON U.S.A. INC.
Total Tanks: 4 — Region: STATE
Owner Address: 575 MARKET
SAN FRANCISCO, CA 94105
Tank Used for: WASTE
Tank Num: 4 — Container Num: 4
Tank Capacity: 00001000 — Year Installed: Not reported
Type of Fuel: Not reported — Tank Construction: 0000370 unknown
Leak Detection: Stock Inventor
Contact Name: CRESSALL, RAMON J — Telephone: (805) 257-2584
Facility Type: Gas Station — Other Type: Not reported

G43 **CHEVRON #9-1899 (FORMER)** LUST S103891218
NNE **28805 THE OLD ROAD** N/A
> 1 **SANTA CLARITA, CA 91355**
7033 ft.

Site 3 of 4 in cluster G

Relative: **Lower**

State LUST:
Cross Street: HENRY MAYO DR
Actual: **1019 ft.**
Qty Leaked: Not reported
Case Number I-10662
Reg Board: Los Angeles Region
Chemical: Waste Oil
Lead Agency: Regional Board
Local Agency : 19000
Case Type: Other ground water affected
Status: Case Closed
Review Date: Not reported — Confirm Leak: Not reported
Workplan: Not reported — Prelim Assess: Not reported
Pollution Char: 1996-09-04 00:00:00 — Remed Plan: 1996-09-04 00:00:00
Remed Action: 1997-02-06 00:00:00

CHEVRON #9-1899 (FORMER) (Continued) **S103891218**

Monitoring: 1997-02-06 00:00:00
Close Date: 1999-04-20 00:00:00
Release Date: 1987-12-09 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1987-12-07 00:00:00
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1987-12-29 00:00:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Tank Test
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: Tank
MTBE Date : 1965-01-01 00:0
Max MTBE GW : 8100 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: 1C1
Local Case # : Not reported
Beneficial: Not reported
Staff : AS
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : GRESSALL
Oversight Prgm: LUST
Review Date : 1999-05-24 00:00:00
Stop Date : 1987-12-07
Work Suspended : Not reported
Responsible Party: CHEVRON PRODUCTS C
RP Address: PO BOX 2833, LA HABRA, CA 90
Global Id: T0603703646
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 1
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 12/9/1987
Lead Agency: Regional Board
Local Agency: 19000
Substance: Waste Oil
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: AS
Date Case Last Changed on Database: 5/24/1999
Date Leak Record Entered: 12/29/1987
Historical Max MTBE Date: 1/1/1965
GW Qualifier: Not reported
Soil Qualifier: Not reported

CHEVRON #9-1899 (FORMER) (Continued) **S103891218**

Hist Max MTBE Conc in Groundwater:	8100
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	04
Owner Contact:	Not reported
Responsible Party:	CHEVRON PRODUCTS CO
RP Address:	PO BOX 2833, LA HABRA, CA 90632-2833
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34.4416713 / -1
Local Agency Staff:	Not reported
Beneficial Use :	Not reported
Priority :	1C1
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	Not reported
Abatement Method Used at the Site:	Not reported
Operator :	GRESSALL, RAM
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	3731.312652404432357405139701 8
Assigned Name :	Not reported
W Global ID :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	12/7/1987
How the Leak was Discovered:	Tank Test
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	Tank
Date The Leak was Stopped:	12/7/1987
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	12/9/1987
Remediation Plan Submitted:	9/4/1996
Remedial Action Underway:	2/6/1997
Post Remedial Action Monitoring Began:	2/6/1997
Date the Case was Closed:	4/20/1999
Enforcement Action Date:	Not reported
Date Leak First Reported:	12/9/1987
Enforcement Type:	Not reported
Global ID :	T0603703646
Cross Street:	HENRY MAYO DR

Summary : 1300 CU YDS OF CONTAMINATED SOIL EXCAVATED IN 3/97.; 1/18/99 - 4TH QTR MON RPT 1998 ; 2/24/99 - 1ST QTR MON RPT 1999; 5/24/99 WELL ABANDONMENT UPON RECEIPT OF SITE CLOSURE

G44 **CHEVRON STATION 9 1899** **RCRIS-SQG 1000886345**
NNE **28805 THE OLD RD** **FINDS CA0000138552**
> 1 **VALENCIA, CA 91355** **Cortese**
7033 ft.

Site 4 of 4 in cluster G

Relative:
Lower

Actual:
1019 ft.

RCRIS:
Owner: CHEVRON U S A PRODUCTS CO
(310) 694-7452
EPA ID: CA0000138552
Contact: RAMON J CRESSALL
(805) 257-2584
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

F45 **TEXACO STAR MART** **LOS ANGELES CO. HMS S102064538**
ENE **28070 N THE OLD ROAD** **N/A**
> 1 **, CA**
7055 ft.

Site 2 of 2 in cluster F

Relative:
Lower

Actual:
1054 ft.

HMS:
Facility Id: 016559-021998
Area: 7
Facility Type: T0
Permit Number: 000106583 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

---

46 **TEXACO STAR MART** **UST U003777439**
ENE **28070 THE OLD RD** **N/A**
> 1 **VALENCIA, CA 91355**
7088 ft.

Relative:
Lower

Actual:
1056 ft.

State UST:
Facility ID: 021998
Region: STATE
Local Agency: 19000

H47 **CALIF HIGHWAY PATROL** **CA FID UST S101586361**
NNE **28648 N THE OLD RD** **N/A**
> 1 **VALENCIA, CA 91355**
7176 ft.

Site 1 of 6 in cluster H

Relative:
Lower

Actual:
1023 ft.

CALIF HIGHWAY PATROL (Continued) — **S101586361**

FID:
- Facility ID: 19046769 — Regulate ID: Not reported
- Reg By: Active Underground Storage Tank Location
- Cortese Code: Not reported — SIC Code: Not reported
- Status: Active — Facility Tel: (805) 253-5009
- Mail To: Not reported
  935 VISTA DE LEJOS DR
  VALENCIA, CA 91355
- Contact: Not reported — Contact Tel: Not reported
- DUNs No: Not reported — NPDES No: Not reported
- Creation: 10/22/93 — Modified: 00/00/00
- EPA ID: Not reported
- Comments: Not reported

H48 — **CHP NEWHALL** — HAZNET — S104577650 / N/A
NNE — **28648 THE OLD ROAD**
> 1 — **VALENCIA, CA 91355**
7176 ft.

Site 2 of 6 in cluster H

Relative: Lower

Actual: 1023 ft.

HAZNET:
- Gepaid: CAL000095258
- TSD EPA ID: CAD099452708
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: .4587
- Waste Category: Oil/water separation sludge
- Disposal Method: Not reported
- Contact: CALIF HWY PATROL
- Telephone: (916) 657-7439
- Mailing Address: P O BOX 942898
  SACRAMENTO, CA 94298
- County: Los Angeles

H49 — **CALIFORNIA HIGHWAY PATROL** — UST — U003777522 / N/A
NNE — **28648 THE OLD RD**
> 1 — **VALENCIA, CA 91355**
7176 ft.

Site 3 of 6 in cluster H

Relative: Lower

Actual: 1023 ft.

State UST:
- Facility ID: 023546
- Region: STATE
- Local Agency: 19000

I50 — **CALTRANS N. REGION MAINT. STAT** — AST — A100225816 / N/A
North — **28820 N. THE OLD RD.**
> 1 — **VALENCIA, CA**
7178 ft.

Site 1 of 4 in cluster I

Relative: Lower

Actual: 1018 ft.

CALTRANS N. REGION MAINT. STAT (Continued) — **A100225816**

AST:
- Owner: CALIFORNIA DEPARTMENT OF TRANS
- Total Gallons: 10000

I51 — **CALTRANS NORTH REGION OFFICE** — RCRIS-SQG — 1004676325 / FINDS — CAR000083881
North — **28820 N THE OLD RD**
> 1 — **VALENCIA, CA 91355**
7181 ft.

Site 2 of 4 in cluster I

Relative: Lower

Actual: 1018 ft.

RCRIS:
- Owner: STATE OF CALIFORNIA
  (213) 897-1883
- EPA ID: CAR000083881
- Contact: RICHARD CRAWFORD
  (213) 620-3328
- Classification: Small Quantity Generator
- TSDF Activities: Not reported
- Violation Status: No violations found

FINDS:
- Other Pertinent Environmental Activity Identified at Site:
  Resource Conservation and Recovery Act Information system

I52 — **CALTRANS NORTH REGION OFFICE** — HAZNET — S105094324 / N/A
North — **28820 N THE OLD ROAD**
> 1 — **VALENCIA, CA 91355**
7181 ft.

Site 3 of 4 in cluster I

Relative: Lower

Actual: 1018 ft.

HAZNET:
- Gepaid: CAR000083881
- TSD EPA ID: Not reported
- Gen County: Los Angeles
- Tsd County: 99
- Tons: 0.12
- Waste Category: Unspecified organic liquid mixture
- Disposal Method: Recycler
- Contact: RICHARD CRAWFORD HAZMAT MGR
- Telephone: (213) 620-3328
- Mailing Address: 28820 N THE OLD ROAD
  VALENCIA, CA 91355
- County: Not reported

- Gepaid: CAR000083881
- TSD EPA ID: Not reported
- Gen County: Los Angeles
- Tsd County: 99
- Tons: 0.20
- Waste Category: Other organic solids
- Disposal Method: Disposal, Land Fill
- Contact: RICHARD CRAWFORD HAZMAT MGR
- Telephone: (213) 620-3328
- Mailing Address: 28820 N THE OLD ROAD
  VALENCIA, CA 91355
- County: Not reported

CALTRANS NORTH REGION OFFICE (Continued) — **S105094324**

Gepaid: CAR000083881
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 2.91
Waste Category: Unspecified sludge waste
Disposal Method: Disposal, Land Fill
Contact: RICHARD CRAWFORD HAZMAT MGR
Telephone: (213) 620-3328
Mailing Address: 28820 N THE OLD ROAD
VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000083881
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.70
Waste Category: Contaminated soil from site clean-ups
Disposal Method: Disposal, Land Fill
Contact: RICHARD CRAWFORD HAZMAT MGR
Telephone: (213) 620-3328
Mailing Address: 28820 N THE OLD ROAD
VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000083881
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: Not reported
Waste Category:
Disposal Method: Transfer Station
Contact: RICHARD CRAWFORD HAZMAT MGR
Telephone: (213) 620-3328
Mailing Address: 28820 N THE OLD ROAD
VALENCIA, CA 91355
County: Not reported

Click this hyperlink while viewing on your computer to access
11 additional CA HAZNET record(s) in the EDR Site Report.

I53 North > 1 7215 ft. Relative: Lower Actual: 1018 ft.
CHEVRON USA SS 091899 — **LOS ANGELES CO. HMS** — **S102064575** N/A
28805 N THE OLD RD
, CA

Site 4 of 4 in cluster I

HMS:
Facility Id: 010714-010662
Area: 7
Facility Type: TO
Permit Number: 00002178T — Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

H54 NNE > 1 7220 ft. Relative: Lower Actual: 1024 ft.
PACIFIC BELL — **HAZNET** — **S104572401** N/A
28618 THE OLD ROAD
CASTAIC, CA 91355

Site 4 of 6 in cluster H

HAZNET:
Gepaid: CAC002218697
TSD EPA ID: CAD028409019
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.05
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Treatment, Tank
Contact: PACIFIC BELL
Telephone: (925) 823-9833
Mailing Address: PO BOX 5095
SAN RAMON, CA 94583
County: Los Angeles

Gepaid: CAC002218697
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.33
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: ZEPHANIE DESHAZER
Telephone: (925) 823-9833
Mailing Address: PO BOX 5095
SAN RAMON, CA 94583
County: Not reported

H55 NNE > 1 7220 ft. Relative: Lower Actual: 1024 ft.
PACIFIC BELL CSTCCA11/KC-574 — **UST** — **U003777274** N/A
28618 THE OLD RD
VALENCIA, CA 91355

Site 5 of 6 in cluster H

State UST:
Facility ID: 015724
Region: STATE
Local Agency: 19000

J56 NW > 1 7230 ft. Relative: Lower Actual: 1020 ft.
BLOOMERS METAL STAMPINGS INC — **HAZNET** — **S105724739** N/A
28615 BRAXTON AVE
VALENCIA, CA 91355

Site 1 of 2 in cluster J

HAZNET:
Gepaid: CAL000214634
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Kings
Tons: 4.21
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Contact: PERRY BLOOMER / VICE PRESIDENT
Telephone: (661) 257-2955
Mailing Address: 28615 BRAXTON AVE

BLOOMERS METAL STAMPINGS INC (Continued) — **S105724739**

VALENCIA, CA 91355
County: Not reported

H57 — **PACIFIC BELL CSTCCA11/KC-574** — **LOS ANGELES CO. HMS** — **S102064560**
NNE — **28618 N THE OLD RD** — **N/A**
> 1 — **, CA**
7231 ft.

Site 6 of 6 in cluster H

Relative: Lower / **Actual: 1024 ft.**

HMS:

Facility Id:	014909-015724		
Area:	7		
Facility Type:	T0		
Permit Number:	00005961T	Permit Status:	Permit
Facility Status:	Permit		
Region:	Los Angeles County:		
Facility Id:	014909-039083		
Area:	7		
Facility Type:	Not reported		
Permit Number:	Not reported	Permit Status:	Not reported
Facility Status:	OPEN		
Region:	Los Angeles County:		

K58 — **US POSTAL SERVICE, SANTA CLARI** — **EMI** — **S105940246**
NW — **28201 FRANKLIN PKY** — **N/A**
> 1 — **SANTA CLARITA, CA 91383**
7293 ft.

Site 1 of 3 in cluster K

Relative: Lower / **Actual: 1022 ft.**

EMISSIONS :

Facility ID :	100544
Air District Code :	SC
SIC Code :	4300
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	19
County ID :	19

K59 — **CHMIRS** — **S105882989**
NW — **28201 FRANKLIN PKWY, BMF** — **CA WDS** — **N/A**
> 1 — **SANTA CLARITA, CA 91387**
7293 ft.

Site 2 of 3 in cluster K

Relative: Lower / **Actual: 1022 ft.**

CHMIRS:

OES Control Number:	02-1417
Chemical Name:	Motor Oil
Extent of Release:	Not reported
Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported

(Continued) — **S105882989**

Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	02-1417
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported
Others Number Of Injuries :	Not reported
Others Number Of Fatalities :	Not reported
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	Not reported
Report Date :	Not reported
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	Yes
Waterway :	storm drain
Spill Site :	Other
Cleanup By :	Reporting Party
Containment :	Unknown
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	3/15/200209:03:41 AM
Evacuations :	0
True date :	12/31/03
Year :	2002
Agency :	US Postal Service
BBLS :	0
Cups :	0
CUFT :	0
Gallons :	0.000000
Grams :	0
Pounds :	0
Liters :	0
Ounces :	0
Pints :	0
Quarts :	2

(Continued) **S105682989**

Sheen : 0
Tons : 0
Unknown : 0
Description : A vehicle leaked oil into a storm drain
Incident date : 3/14/200212:00:00 AM
Admin Agency : L. A. County Fire Prevention
OES date : Not reported
OES time : Not reported
Amount : Not reported

WDS:
Facility ID: 4 19I012059
Facility Contact Not reported Facility Telephone Not reported
SIC Code: 0 SIC Code 2: Not reported
Agency Name: U.S. POSTAL SERVICE
Agency Address: Not reported
Agency Contact: Not reported Agency Phone: Not reported
Design Flow: 0 Million Gal/Day Baseline Flow: 0 Million Gal/Day
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Federal
Waste Type: Not reported
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

K60 **UNITED STATES POSTAL SERVICE-P&D PLANT** HAZNET S103993337
NW **28201 FRANKLIN PARKWAY** CHMIRS N/A
> 1 **SANTA CLARITA, CA 91383**
7293 ft.

Site 3 of 3 in cluster K

Relative:
Lower

Actual:
1022 ft.

HAZNET:
Gepaid: CAL000157107
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Not reported
Tons: 0.33
Waste Category: Polychlorinated biphenyls and material containing PCB's
Disposal Method: Recycler
Contact: KEN GONZALES/MAINT ENG SP
Telephone: (661) 775-7975
Mailing Address: 28201 FRANKLIN PKWY
SANTA CLARITA, CA 91383 - 9735
County Not reported

UNITED STATES POSTAL SERVICE-P&D PLANT (Continued) **S103993337**

Gepaid: CAL000157107
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.04
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: KEN GONZALES/MAINT ENG SP
Telephone: (661) 775-7975
Mailing Address: 28201 FRANKLIN PKWY
SANTA CLARITA, CA 91383 - 9735
County Not reported

Gepaid: CAL000157107
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 3.28
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: KEN GONZALES/MAINT ENG SP
Telephone: (661) 775-7975
Mailing Address: 28201 FRANKLIN PKWY
SANTA CLARITA, CA 91383 - 9735
County Not reported

Gepaid: CAL000157107
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 0.22
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Contact: KEN GONZALES/MAINT ENG SP
Telephone: (661) 775-7975
Mailing Address: 28201 FRANKLIN PKWY
SANTA CLARITA, CA 91383 - 9735
County Not reported

Gepaid: CAL000157107
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 0.20
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: KEN GONZALES/MAINT ENG SP
Telephone: (661) 775-7975
Mailing Address: 28201 FRANKLIN PKWY
SANTA CLARITA, CA 91383 - 9735
County Not reported

Click this hyperlink while viewing on your computer to access
39 additional CA HAZNET record(s) in the EDR Site Report.

CHMIRS:
OES Control Number: 97-2033
Chemical Name: Ink
Extent of Release: Not reported

UNITED STATES POSTAL SERVICE-P&D PLANT (Continued) **S103993337**

Property Use:	Not reported
Incident Date:	Not reported
Date Completed:	Not reported
Time Completed :	Not reported
Agency Id Number :	Not reported
Agency Incident Number :	Not reported
OES Incident Number :	97-2033
Time Notified :	Not reported
Surrounding Area :	Not reported
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported
Others Number Of Injuries :	Not reported
Others Number Of Fatalities :	Not reported
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	Not reported
Report Date :	Not reported
Comments :	Not reported
Facility Telephone Number :	Not reported
Waterway Involved :	Yes
Waterway :	Drain
Spill Site :	Other
Cleanup By :	Not being accomplished
Containment :	Unknown
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	5/21/199707:45:47 AM
Evacuations :	0
True date :	12/31/03
Year :	1997
Agency :	Citizen
BBLS :	0
Cups :	0
CUFT :	0
Gallons :	15
Grams :	0
Pounds :	0
Liters :	0

UNITED STATES POSTAL SERVICE-P&D PLANT (Continued) **S103993337**

Ounces :	0
Pints :	0
Quarts :	0
Sheen :	0
Tons :	0
Unknown :	0
Description :	Dumped by employees, weekley into drain
Incident date :	5/21/199712:00:00 AM
Admin Agency :	L. A. County Fire Prevention
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

J61 **DA/PRO RUBBER INC.** **FINDS** **1007467251**
NW **28635 BRAXTON AVENUE** **110017408517**
> 1 **VALENCIA, CA 91355**
7334 ft.

Site 2 of 2 in cluster J

Relative:
Lower

Actual:
1049 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RBLC

L62 **CHEVRON 95436** **HAZNET** **S103648827**
East **27519 THE OLD RD** **N/A**
> 1 **VISALIA, CA 91355**
7434 ft.

Site 1 of 10 in cluster L

Relative:
Lower

Actual:
1061 ft.

HAZNET:

Gepaid:	CAL000152662
TSD EPA ID:	CAD008302903
Gen County:	Tulare
Tsd County:	Los Angeles
Tons:	.0834
Waste Category:	Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method:	Not reported
Contact:	CHERVON PRODUCTS CO
Telephone:	(925) 842-5931
Mailing Address:	PO BOX 6004
	SAN RAMON, CA 94583
County	Tulare
Gepaid:	CAL000152662
TSD EPA ID:	CAD982484933
Gen County:	Tulare
Tsd County:	7
Tons:	1.5000
Waste Category:	Empty containers less than 30 gallons
Disposal Method:	Disposal, Other
Contact:	CHERVON PRODUCTS CO
Telephone:	(925) 842-5931
Mailing Address:	PO BOX 6004
	SAN RAMON, CA 94583
County	Tulare

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

CHEVRON 95436 (Continued) — **S103648827**

Gepaid: CAL000152662
TSD EPA ID: CAD008302903
Gen County: Tulare
Tsd County: Los Angeles
Tons: .1668
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Recycler
Contact: CHERVON PRODUCTS CO
Telephone: (925) 842-5931
Mailing Address: PO BOX 6004
SAN RAMON, CA 94583
County: Tulare

Gepaid: CAL000152662
TSD EPA ID: CAD008302903
Gen County: Tulare
Tsd County: Los Angeles
Tons: .1668
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Contact: CHERVON PRODUCTS CO
Telephone: (925) 842-5931
Mailing Address: PO BOX 6004
SAN RAMON, CA 94583
County: Tulare

Gepaid: CAL000152662
TSD EPA ID: CAD980675276
Gen County: Tulare
Tsd County: Kern
Tons: 0.1251
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Contact: CHERVON PRODUCTS CO
Telephone: (925) 842-5931
Mailing Address: PO BOX 6004
SAN RAMON, CA 94583
County: Tulare

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET record(s) in the EDR Site Report.

L63 / **ENE** / **> 1** / **7441 ft.** / **Relative: Lower** / **Actual: 1055 ft.**

CHEVRON USA — HAZNET — **S105089451** / **N/A**
27549 THE OLD ROAD
VALENCIA, CA 91355

Site 2 of 10 in cluster L

HAZNET:
Gepaid: CAL000049858
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2710
Waste Category: Unspecified oil-containing waste
Disposal Method: Not reported
Contact: CHEVRON PRODUCTS CO
Telephone: (310) 694-7452
Mailing Address: PO BOX 2833

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

CHEVRON USA (Continued) — **S105089451**

LA HABRA, CA 90632
County: Los Angeles

L64 / **ENE** / **> 1** / **7441 ft.** / **Relative: Lower** / **Actual: 1055 ft.**

CHEVRON #9-5436 — Cortese — **S102427292** / **N/A**
27549 THE OLD
VALENCIA, CA 91355

Site 3 of 10 in cluster L

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

L65 / **ENE** / **> 1** / **7441 ft.** / **Relative: Lower** / **Actual: 1055 ft.**

CHEVRON 95436 — HAZNET — **S103648833** / **N/A**
27549 THE OLD RD
VALENCIA, CA 91355

Site 4 of 10 in cluster L

HAZNET:
Gepaid: CAL000027571
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2501
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Contact: CHERVON PRODUCTS CO
Telephone: (925) 842-5931
Mailing Address: PO BOX 6004
SAN RAMON, CA 94583
County: Los Angeles

L66 / **ENE** / **> 1** / **7441 ft.** / **Relative: Lower** / **Actual: 1055 ft.**

CHEVRON USA SS 095436 — UST — **U003775867** / **N/A**
27549 THE OLD RD
VALENCIA, CA 91355

Site 5 of 10 in cluster L

State UST:
Facility ID: 001179
Region: STATE
Local Agency: 19000

L67 / **ENE** / **> 1** / **7441 ft.** / **Relative: Lower** / **Actual: 1055 ft.**

CHEVRON STATION NO 95436 — RCRIS-SQG — **1005904306** / **CAR000121103**
27549 THE OLD RD
VALENCIA, CA 91335

Site 6 of 10 in cluster L

CHEVRON STATION NO 95436 (Continued) **1005904306**

RCRIS:
Owner: CHEVRON PRODUCTS COMPANY
(925) 842-5931
EPA ID: CAR000121103
Contact: KATHY NORRIS
(925) 842-5931
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

L68 ENE > 1 7441 ft.
Relative: Lower
Actual: 1055 ft.

CHEVRON #9-5436 **LUST S103945716**
27549 THE OLD ROAD **N/A**
SANTA CLARITA, CA 91355

Site 7 of 10 in cluster L

State LUST:
Cross Street: MAGIC MOUNTAI
Qty Leaked: Not reported
Case Number I-01179
Reg Board: Los Angeles Region
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19000
Case Type: Other ground water affected
Status: Remedial action (cleanup) Underway
Abate Method: Remove Free Product - remove floating product from water table, Vapor Extraction
Review Date: Not reported — Confirm Leak: Not reported
Workplan: 1992-01-21 00:00:00 — Prelim Assess: 1992-01-21 00:00:00
Pollution Char: Not reported — Remed Plan: Not reported
Remed Action: 1995-10-13 00:00:00
Monitoring: Not reported
Close Date: Not reported
Release Date: 1992-01-21 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1991-11-14 00:00:00
Enforcement Dt : Not reported
Enf Type: None Taken
Enter Date : 1992-03-09 00:00:00
Funding: Federal Funds
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Yes
Leak Cause: UNK
Leak Source: UNK
MTBE Date : 2000-05-18 00:0
Max MTBE GW : 20300 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : WXT
GW Qualifier : Not reported
Max MTBE Soil : Not reported

CHEVRON #9-5436 (Continued) **S103945716**

Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : FRUIN, J
Oversight Prgm: LUST
Review Date : 2002-09-19 00:00:00
Stop Date : 1991-11-14
Work Suspended : Not reported
Responsible Party: Y.M. TUAN
RP Address: P.O. BOX 2833
Global Id: T0603702761
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 1
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 1/21/1992
Lead Agency: Regional Board
Local Agency: 19000
Substance: Gasoline
Case Type: Groundwater
Status: Remedial action (cleanup) Underway
Region: 4
Staff: WXT
Date Case Last Changed on Database: 9/19/2002
Date Leak Record Entered: 3/9/1992
Historical Max MTBE Date: 5/18/2000
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: 20300
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: Y.M. TUAN
RP Address: P.O. BOX 2833
Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34.4212412 / -1
Local Agency Staff: Not reported
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : Not reported
Abatement Method Used at the Site: VEFP
Operator : FRUIN, J. D.
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 3405.798305235762438436173766 9
Assigned Name : Not reported

CHEVRON #9-5436 (Continued) **S103945716**

W Global ID :	Not reported
Source of Cleanup Funding:	Federal Funds
Date the Leak was Discovered:	11/14/1991
How the Leak was Discovered:	Tank Closure
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Date The Leak was Stopped:	11/14/1991
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	1/21/1992
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	10/13/1995
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	Not reported
Enforcement Action Date:	Not reported
Date Leak First Reported:	1/21/1992
Enforcement Type:	N
Global ID :	T0603702761
Cross Street:	MAGIC MOUNTAIN PARKWAY
Summary :	4/12/00 1ST QTR GW MON RPT 2000; 7/14/00 2ND QTR GW MON RPT 2000; 10/19/00 3RD QTR GW MON RPT 2000; 1/24/01 4TH QTR GW MON RPT 2000; 4/13/01 1ST QTR GW MON RPT 2001

L69 **95436** **HIST UST** **U001567856**
ENE **27549 THE OLD RD** **N/A**
> 1 **VALENCIA, CA 91355**
7441 ft.

Site 8 of 10 in cluster L

Relative: **Lower**

Actual: **1055 ft.**

UST HIST:

Facility ID:	62757	Owner Name:	CHEVRON U.S.A. INC.
Total Tanks:	5	Region:	STATE
Owner Address:	575 MARKET SAN FRANCISCO, CA 94105		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00010000	Year Installed:	1971
Type of Fuel:	Not reported	Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	CO BRANDED OUTLET-CHEVRON	Telephone:	(805) 259-9077
Facility Type:	Gas Station	Other Type:	Not reported
Facility ID:	62757	Owner Name:	CHEVRON U.S.A. INC.
Total Tanks:	5	Region:	STATE
Owner Address:	575 MARKET SAN FRANCISCO, CA 94105		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	2
Tank Capacity:	00010000	Year Installed:	1971
Type of Fuel:	Not reported	Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	CO BRANDED OUTLET-CHEVRON	Telephone:	(805) 259-9077
Facility Type:	Gas Station	Other Type:	Not reported
Facility ID:	62757	Owner Name:	CHEVRON U.S.A. INC.
Total Tanks:	5	Region:	STATE
Owner Address:	575 MARKET		

95436 (Continued) **U001567856**

	SAN FRANCISCO, CA 94105		
Tank Used for:	PRODUCT		
Tank Num:	3	Container Num:	3
Tank Capacity:	00010000	Year Installed:	1971
Type of Fuel:	Not reported	Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	CO BRANDED OUTLET-CHEVRON	Telephone:	(805) 259-9077
Facility Type:	Gas Station	Other Type:	Not reported
Facility ID:	62757	Owner Name:	CHEVRON U.S.A. INC.
Total Tanks:	5	Region:	STATE
Owner Address:	575 MARKET SAN FRANCISCO, CA 94105		
Tank Used for:	PRODUCT		
Tank Num:	4	Container Num:	4
Tank Capacity:	00010000	Year Installed:	1971
Type of Fuel:	Not reported	Tank Construction:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	CO BRANDED OUTLET-CHEVRON	Telephone:	(805) 259-9077
Facility Type:	Gas Station	Other Type:	Not reported
Facility ID:	62757	Owner Name:	CHEVRON U.S.A. INC.
Total Tanks:	5	Region:	STATE
Owner Address:	575 MARKET SAN FRANCISCO, CA 94105		
Tank Used for:	WASTE		
Tank Num:	5	Container Num:	5
Tank Capacity:	00001000	Year Installed:	1971
Type of Fuel:	Not reported	Tank Construction:	0000130 unknown
Leak Detection:	Stock Inventor		
Contact Name:	CO BRANDED OUTLET-CHEVRON	Telephone:	(805) 259-9077
Facility Type:	Gas Station	Other Type:	Not reported

L70 **CHEVRON STATION NO 95436** **RCRIS-SQG** **1006804971**
ENE **27549 THE OLD RD** **FINDS** **CAR000119107**
> 1 **VALENCIA, CA 91355**
7445 ft.

Site 9 of 10 in cluster L

Relative: **Lower**

Actual: **1055 ft.**

RCRIS:

Owner:	CHEVRON PRODUCTS CO (925) 842-5931
EPA ID:	CAR000119107
Contact:	KATHY NORRIS (925) 842-5931
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

Violation Status: No violations found

CHEVRON STATION NO 95436 (Continued) **1006804971**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

L71 **27544 THE OLD RD AT WENDY'S** **ERNS** **90186182**
ENE **27544 THE OLD RD AT WENDY'S** **N/A**
> 1 **SANTA CLARITA, CA**
7447 ft.

Site 10 of 10 in cluster L

Relative:
Lower

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
1056 ft.

M72 **CHEVRON #3-5979** **LUST** **S103891111**
ENE **27600 THE OLD RD** **Cortese** **N/A**
> 1 **VALENCIA, CA 91355**
7465 ft.

Site 1 of 2 in cluster M

Relative:
Lower

State LUST:

Cross Street:	RYE CANYON RD		
Qty Leaked:	Not reported		
Case Number	9135500		
Reg Board:	Los Angeles Region		
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Local Agency :	19000		
Case Type:	Other ground water affected		
Status:	Case Closed		
Abate Method:	Vapor Extraction		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	1991-10-01 00:00:00	Remed Plan:	1991-10-01 00:00:00
Remed Action:	1996-04-12 00:00:00		
Monitoring:	Not reported		
Close Date:	1996-11-05 00:00:00		
Release Date:	1988-06-29 00:00:00		
Cleanup Fund Id :	Not reported		
Discover Date :	Not reported		
Enforcement Dt :	Not reported		
Enf Type:	Not reported		
Enter Date :	1988-07-05 00:00:00		
Funding:	Not reported		
Staff Initials:	Not reported		
How Discovered:	Not reported		
How Stopped:	Not reported		
Interim :	Yes		
Leak Cause:	Not reported		
Leak Source:	Not reported		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.		
Priority:	Not reported		
Local Case # :	Not reported		
Beneficial:	Not reported		
Staff :	UNK		
GW Qualifier :	Not reported		

CHEVRON #3-5979 (Continued) **S103891111**

Max MTBE Soil :	Not reported
Soil Qualifier :	Not reported
Hydr Basin #:	SANTA CLARA RIVER VA
Operator :	NOT LIST
Oversight Prgm:	LUST
Review Date :	1997-02-26 00:00:00
Stop Date :	Not reported
Work Suspended :	Not reported
Responsible Party:	CHEVRON USA PRODUC
RP Address:	P.O. BOX 2833, LA HABRA CA 9
Global Id:	T0603702344
Org Name:	Not reported
Contact Person:	Not reported
MTBE Conc:	0
Mtbe Fuel:	1
Water System Name:	Not reported
Well Name:	Not reported
Distance To Lust:	0
Waste Discharge Global ID:	Not reported
Waste Disch Assigned Name:	Not reported

LUST Region 4:

Report Date:	6/29/1988
Lead Agency:	Regional Board
Local Agency:	19000
Substance:	Gasoline
Case Type:	Groundwater
Status:	Case Closed
Region:	4
Staff:	UNK
Date Case Last Changed on Database:	2/26/1997
Date Leak Record Entered:	7/5/1988
Historical Max MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	04
Owner Contact:	Not reported
Responsible Party:	CHEVRON USA PRODUCTS CO
RP Address:	P.O. BOX 2833, LA HABRA CA 90632-2833
Significant Interim Remedial Action Taken:	Yes
Program :	LUST
Lat / Long :	34.4222391 / -1
Local Agency Staff:	Not reported
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	Not reported
Abatement Method Used at the Site:	VE
Operator :	NOT LISTED IN LAC DPW MAGIC BK
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	3835.873669871147524180937591 6

CHEVRON #3-5979 (Continued) — **S103891111**

Assigned Name :	Not reported
W Global ID :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	Not reported
How the Leak was Discovered:	Not reported
How the Leak was Stopped:	Not reported
Cause of Leak:	Not reported
Leak Source:	Not reported
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	5/16/1989
Remediation Plan Submitted:	10/1/1991
Remedial Action Underway:	4/12/1996
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	11/5/1996
Enforcement Action Date:	Not reported
Date Leak First Reported:	6/29/1988
Enforcement Type:	Not reported
Global ID :	T0603702344
Cross Street:	RYE CANYON RD

Summary : 10/15/96 - QUARTERLY MONITORING REPORT 02/26/97 - TRANSMITTAL OF WELL DESTRUCTION REPORT

CORTESE:
Region: CORTESE
Fac Address 2: 27600 THE OLD RD

M73 — **CHEVRON STATION 35979** — RCRIS-SQG 1000596527 — FINDS CAD983605007
ENE
> 1
7491 ft.
27640 THE OLD ROAD
VALENCIA, CA 91355

Site 2 of 2 in cluster M

Relative: Lower
Actual: 1064 ft.

RCRIS:
Owner: CHEVRON USA INC
(213) 694-7452
EPA ID: CAD983605007
Contact: MARK KANITRA
(213) 694-7452
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

N74 — **COUNTY OF LOS ANGELES - WAYSIDE RANCH** — CA SLIC S106386917 — N/A
North
> 1
7509 ft.
29300 THE OLD
SAUGUS, CA 91350

Site 1 of 16 in cluster N

Relative: Lower
Actual: 1018 ft.

SLIC Region 4:
Facility Status: Not reported
Region: 4
SLIC 0072
Staff: Los Angeles County Fire Department
Substance: Not reported

N75 — CHMIRS S100279260 — N/A
North
> 1
7512 ft.
29300 THE OLD ROAD
VALENCIA, CA 91384

Site 2 of 16 in cluster N

Relative: Lower
Actual: 1018 ft.

CHMIRS:

OES Control Number:	8905392
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	099
Incident Date:	29-MAR-89
Date Completed:	29-MAR-89
Time Completed :	1606
Agency Id Number :	19110
Agency Incident Number :	27
OES Incident Number :	8905392
Time Notified :	1446
Surrounding Area :	099
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	0
Others Number Of Decontaminated :	0
Others Number Of Injuries :	0
Others Number Of Fatalities :	0
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	CAPT. JOHN W. EVERETT
Report Date :	29-MAR-89
Comments :	Not reported
Facility Telephone Number :	213 267-2485
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported

(Continued) **S100279260**

Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported
True date :	Not reported
Year :	88-92
Agency :	Not reported
BBLS :	Not reported
Cups :	Not reported
CUFT :	Not reported
Gallons :	Not reported
Grams :	Not reported
Pounds :	Not reported
Liters :	Not reported
Ounces :	Not reported
Pints :	Not reported
Quarts :	Not reported
Sheen :	Not reported
Tons :	Not reported
Unknown :	Not reported
Description :	Not reported
Incident date :	Not reported
Admin Agency :	Not reported
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

N76 **LOS ANGELES COUNTY SHERIFF** FINDS 1005775583
North **29300 THE OLD ROAD** 110012587370
> 1 **SAUGUS, CA 91350**
7512 ft.

Site 3 of 16 in cluster N

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
National Emissions Inventory

Actual:
1018 ft.

N77 **LOS ANGELES COUNTY/ ISD** HAZNET S103975375
North **29300 THE OLD RD** N/A
> 1 **SAUGUS, CA 91350**
7512 ft.

Site 4 of 16 in cluster N

Relative:
Lower

HAZNET:

Gepaid:	CAL000163406
TSD EPA ID:	Not reported
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	0.95
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Not reported
Contact:	LEE FORD SAFETY OFFICER

Actual:
1018 ft.

LOS ANGELES COUNTY/ ISD (Continued) **S103975375**

Telephone:	(213) 267-2081
Mailing Address:	1100 N EASTERN AVE RM 119
	LOS ANGELES, CA 90063 - 3200
County	Not reported
Gepaid:	CAL000163406
TSD EPA ID:	Not reported
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	1.18
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Contact:	LEE FORD SAFETY OFFICER
Telephone:	(213) 267-2081
Mailing Address:	1100 N EASTERN AVE RM 119
	LOS ANGELES, CA 90063 - 3200
County	Not reported
Gepaid:	CAL000163406
TSD EPA ID:	Not reported
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	0.20
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Contact:	LEE FORD SAFETY OFFICER
Telephone:	(213) 267-2081
Mailing Address:	1100 N EASTERN AVE RM 119
	LOS ANGELES, CA 90063 - 3200
County	Not reported
Gepaid:	CAL000163406
TSD EPA ID:	CAT080013352
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	3.5445
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Contact:	LOS ANGELES COUNTY / ISD
Telephone:	(213) 267-2081
Mailing Address:	1100 N EASTERN AVE_RM 119
	LOS ANGELES, CA 90063 - 3200
County	Los Angeles
Gepaid:	CAL000163406
TSD EPA ID:	CAD028409019
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	1.7555
Waste Category:	Waste oil and mixed oil
Disposal Method:	Treatment, Tank
Contact:	LOS ANGELES COUNTY / ISD
Telephone:	(213) 267-2081
Mailing Address:	1100 N EASTERN AVE_RM 119
	LOS ANGELES, CA 90063 - 3200
County	Los Angeles

Click this hyperlink while viewing on your computer to access
6 additional CA HAZNET record(s) in the EDR Site Report.

N78
North
> 1
7512 ft.

Relative:
Lower

Actual:
1018 ft.

LA COUNTY SHERIFF DEPARTMENT
29300 THE OLD RD
SAUGUS, CA 91350

HAZNET S103973962
CA SLIC N/A

Site 5 of 16 in cluster N

HAZNET:
Gepaid: CAC000984144
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: 8.4280
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Contact: LA COUNTY
Telephone: (000) 000-0000
Mailing Address: 1060 N EASTERN AVE
LOS ANGELES, CA 90063
County Los Angeles

CA STATE SLIC :
Global Id : SLT4304038
Region : STATE
Assigned Name : SLICSITE
Lead Agency Contact : LOS ANGELES COUNTY
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 0072
Responsible Party : Not reported
Recent Dtw : Not reported
Substance Released : Not reported

N79
North
> 1
7512 ft.

Relative:
Lower

Actual:
1018 ft.

LA CO SHERIFF-PJP HONOR RANCHO
29300 THE OLD RD
CASTAIC, CA 91384

UST U003775810
N/A

Site 6 of 16 in cluster N

State UST:
Facility ID: 000351
Region: STATE
Local Agency: 19000

N80
North
> 1
7512 ft.

Relative:
Lower

Actual:
1018 ft.

PITCHESS HONOR RANCHO LANDFILL
29300 THE OLD RD
CASTAIC, CA 91384

FINDS 1006835352
110013961374

Site 7 of 16 in cluster N

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory

N81
North
> 1
7512 ft.

Relative:
Lower

Actual:
1018 ft.

PETER . PITCHESS HONOR RANCH
29300 THE OLD RD
CASTAIC, CA 90063

HIST UST U001562358
N/A

Site 8 of 16 in cluster N

UST HIST:

Facility ID:	20834	Owner Name:	LOS ANGELES COUNTY MECHANICAL
Total Tanks:	10	Region:	STATE
Owner Address:	1100 N. EASTERN AVE. LOS ANGELES, CA 90063		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	#01
Tank Capacity:	00001000	Year Installed:	Not reported
Type of Fuel:	REGULAR	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	LOS ANGELES COUNTY MECHANICAL	Telephone:	267-2242
Facility Type:	Other	Other Type:	RANCH
Facility ID:	20834	Owner Name:	LOS ANGELES COUNTY MECHANICAL
Total Tanks:	10	Region:	STATE
Owner Address:	1100 N. EASTERN AVE. LOS ANGELES, CA 90063		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	#02
Tank Capacity:	00008000	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	LOS ANGELES COUNTY MECHANICAL	Telephone:	267-2242
Facility Type:	Other	Other Type:	RANCH
Facility ID:	20834	Owner Name:	LOS ANGELES COUNTY MECHANICAL
Total Tanks:	10	Region:	STATE
Owner Address:	1100 N. EASTERN AVE. LOS ANGELES, CA 90063		
Tank Used for:	PRODUCT		
Tank Num:	3	Container Num:	#0O
Tank Capacity:	00006000	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	LOS ANGELES COUNTY MECHANICAL	Telephone:	267-2242
Facility Type:	Other	Other Type:	RANCH
Facility ID:	20834	Owner Name:	LOS ANGELES COUNTY MECHANICAL
Total Tanks:	10	Region:	STATE
Owner Address:	1100 N. EASTERN AVE. LOS ANGELES, CA 90063		
Tank Used for:	PRODUCT		
Tank Num:	4	Container Num:	#04
Tank Capacity:	00003000	Year Installed:	Not reported
Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	LOS ANGELES COUNTY MECHANICAL	Telephone:	267-2242
Facility Type:	Other	Other Type:	RANCH
Facility ID:	20834	Owner Name:	LOS ANGELES COUNTY MECHANICAL
Total Tanks:	10	Region:	STATE
Owner Address:	1100 N. EASTERN AVE. LOS ANGELES, CA 90063		

PETER . PITCHESS HONOR RANCH (Continued) **U001562358**

Tank Used for: PRODUCT
Tank Num: 5 Container Num: #05
Tank Capacity: 00008000 Year Installed: Not reported
Type of Fuel: REGULAR Tank Construction: Not Reported
Leak Detection: Stock Inventor
Contact Name: LOS ANGELES COUNTY MECHANICAL Telephone: 267-2242
Facility Type: Other Other Type: RANCH

Facility ID: 20834 Owner Name: LOS ANGELES COUNTY MECHANICAL
Total Tanks: 10 Region: STATE
Owner Address: 1100 N. EASTERN AVE.
LOS ANGELES, CA 90063
Tank Used for: PRODUCT
Tank Num: 6 Container Num: #6
Tank Capacity: 00001000 Year Installed: Not reported
Type of Fuel: DIESEL Tank Construction: Not Reported
Leak Detection: Stock Inventor
Contact Name: LOS ANGELES COUNTY MECHANICAL Telephone: 267-2242
Facility Type: Other Other Type: RANCH

Facility ID: 20834 Owner Name: LOS ANGELES COUNTY MECHANICAL
Total Tanks: 10 Region: STATE
Owner Address: 1100 N. EASTERN AVE.
LOS ANGELES, CA 90063
Tank Used for: PRODUCT
Tank Num: 7 Container Num: #7
Tank Capacity: 00002000 Year Installed: Not reported
Type of Fuel: DIESEL Tank Construction: Not Reported
Leak Detection: Stock Inventor
Contact Name: LOS ANGELES COUNTY MECHANICAL Telephone: 267-2242
Facility Type: Other Other Type: RANCH

Facility ID: 20834 Owner Name: LOS ANGELES COUNTY MECHANICAL
Total Tanks: 10 Region: STATE
Owner Address: 1100 N. EASTERN AVE.
LOS ANGELES, CA 90063
Tank Used for: PRODUCT
Tank Num: 8 Container Num: #8
Tank Capacity: 00002000 Year Installed: Not reported
Type of Fuel: DIESEL Tank Construction: Not Reported
Leak Detection: Stock Inventor
Contact Name: LOS ANGELES COUNTY MECHANICAL Telephone: 267-2242
Facility Type: Other Other Type: RANCH

Facility ID: 20834 Owner Name: LOS ANGELES COUNTY MECHANICAL
Total Tanks: 10 Region: STATE
Owner Address: 1100 N. EASTERN AVE.
LOS ANGELES, CA 90063
Tank Used for: PRODUCT
Tank Num: 9 Container Num: 9
Tank Capacity: 00000280 Year Installed: Not reported
Type of Fuel: DIESEL Tank Construction: Not Reported
Leak Detection: Stock Inventor
Contact Name: LOS ANGELES COUNTY MECHANICAL Telephone: 267-2242
Facility Type: Other Other Type: RANCH

Facility ID: 20834 Owner Name: LOS ANGELES COUNTY MECHANICAL

PETER . PITCHESS HONOR RANCH (Continued) **U001562358**

Total Tanks: 10 Region: STATE
Owner Address: 1100 N. EASTERN AVE.
LOS ANGELES, CA 90063
Tank Used for: PRODUCT
Tank Num: 10 Container Num: #10
Tank Capacity: 00001000 Year Installed: Not reported
Type of Fuel: DIESEL Tank Construction: Not Reported
Leak Detection: Stock Inventor
Contact Name: LOS ANGELES COUNTY MECHANICAL Telephone: 267-2242
Facility Type: Other Other Type: RANCH

N82 **LA CO SHERIFF PJP HONOR** **LUST** **S104773284**
North **29300 THE OLD RD N** **N/A**
> 1 **CASTAIC, CA 91384**
7512 ft.

Site 9 of 16 in cluster N

Relative:
Lower

Actual:
1018 ft.

State LUST:
Cross Street: BISCAILUZ DR
Qty Leaked: Not reported
Case Number R-00351
Reg Board: Los Angeles Region
Chemical: Hydrocarbons
Lead Agency: Local Agency
Local Agency : 19000
Case Type: Soil only
Status: Leak being confirmed
Abate Method: Other Means
Review Date: 1998-12-08 00:00:00 Confirm Leak: 1998-12-08 00:00:00
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 2000-06-15 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1998-12-08 00:00:00
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : Not reported
Funding: Not reported
Staff Initials: Not reported
How Discovered: Repair Tank
How Stopped: Not reported
Interim : Not reported
Leak Cause: Spill
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : LA CO SH
Oversight Prgm: LUST

LA CO SHERIFF PJP HONOR (Continued) **S104773284**

Review Date : 2000-06-15 00:00:00
Stop Date : Not reported
Work Suspended :Not reported
Responsible PartyLA CO SHERIFF
RP Address: 4700 RAMONA BLVD., MONTEREY
Global Id: T0603793066
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 6/15/2000
Lead Agency: Local Agency
Local Agency: 19000
Substance: Hydrocarbons
Case Type: Soil
Status: Leak being confirmed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 6/15/2000
Date Leak Record Entered: Not reported
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: LA CO SHERIFF
RP Address: 4700 RAMONA BLVD., MONTEREY PARK, CA 91754
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34.4863 / -1
Local Agency Staff: Not reported
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : Not reported
Abatement Method Used at the Site: OT
Operator : LA CO SHERIFFS
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 1715.5426432106878645041757314
Assigned Name : Not reported
W Global ID : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 12/8/1998
How the Leak was Discovered: TR

LA CO SHERIFF PJP HONOR (Continued) **S104773284**

How the Leak was Stopped: Not reported
Cause of Leak: Spill
Leak Source: Tank
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: 12/8/1998
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 6/15/2000
Enforcement Type: Not reported
Global ID : T0603793066
Cross Street: BISCAILUZ DR
Summary :

N83 **LACO SHERIFF'S DEPT/P PHR** **HAZNET** **S100279945**
North **29300 THE OLD ROAD** **SWF/LF** **N/A**
> 1 **SAUGUS, CA 91350** **CHMIRS**
7512 ft. **EMI**

Site 10 of 16 in cluster N

Relative:
Lower

LF:
Facility ID: 19-AA-0057 Operator: County Of Los Angeles Sheriff's Dept
Operator Addr: 293000 The Old Road
Saugus, CA 90012
Activity: Solid Waste Landfill
Operator's Status: Closed
Owner: County Of Los Angeles Sheriff's Dept
Owner Address: Not reported
293000 The Old Road
Saugus, CA 90012
Operator Phone: (213) 974-4528 Owner Telephone: (213) 974-4528
Regulation Status:Permitted Region: STATE
Lat/Long: 34.49884 / -118.39642 Permit Date: 06/16/97
Accepted Waste: Agricultural,Construction/demolition,Mixed municipal,Other hazardous,Tires
Restrictions:
Status : Not reported Swisnumber : 19-AA-0057
Site Type : Not reported Aka : Not reported
Type Of Waste : Not reported Disposal Area : Not reported
SWFP Date : Not reported WDR Number : Not reported
Dates Operation : Not reported Closure Approve : Not reported
Dt Of Field Units : Not reported Surface Condition : Not reported
Lea Date : Not reported Reassess Site : Not reported
Leachate : Not reported Emrgncy Response Not reported
Landfill Gas : Not reported
Priority For Site Assessment : Not reported
Other Recommendation : Not reported
Explanation: Not Reported
No Further Action: Not Reported
Permitted Throughput with Units: 154
Actual Throughput with Units: Cu Yards/day
Actual Capacity with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity with Units: Not reported
Permitted Total Acreage: 54

Actual:
1018 ft.

LACO SHERIFF'S DEPT/P PHR (Continued) **S100279945**

Fill Area: Not reported
Landuse Name: Not reported
Permit Status: Permitted
Unit Number: 01
Closure Type: Actual
Remaining Capacity: Not reported
Year Opened: Not reported
Last Waste Tire Inspection Count : Not reported
Last Waste Tire Inspection Date: Not reported
Original Waste Tire Count: Not reported
Original Waste Tire Count Date: Not reported
Type Of Refuse: Not reported
Avg Depth Of Fill: Not reported
Addtl Expansion Area: Not reported
Site Description: Not Reported

Inspec Frequency : Quarterly
GIS Source: External
Category: Disposal
Closure Date: 01/01/92
Disposal Acreage: 0
Year Opened: Not reported
Year Closed: Not reported

HAZNET:

Gepaid: CAL000022055
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6000
Waste Category: Contaminated soil from site clean-ups
Disposal Method: Transfer Station
Contact: LA CNTY SHERIFFS DEPT
Telephone: (213) 526-5541
Mailing Address: 4700 RAMONA BLVD
MONTEREY PARK, CA 91754 - 2169
County Los Angeles

Gepaid: CAL000022055
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 6.1090
Waste Category: Paint sludge
Disposal Method: Recycler
Contact: LA CNTY SHERIFFS DEPT
Telephone: (213) 526-5541
Mailing Address: 4700 RAMONA BLVD
MONTEREY PARK, CA 91754 - 2169
County Los Angeles

Gepaid: CAL000022055
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.2935
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: LA CNTY SHERIFFS DEPT
Telephone: (213) 526-5541
Mailing Address: 4700 RAMONA BLVD
MONTEREY PARK, CA 91754 - 2169
County Los Angeles

LACO SHERIFF'S DEPT/P PHR (Continued) **S100279945**

Gepaid: CAL000022055
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0425
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: LA CNTY SHERIFFS DEPT
Telephone: (213) 526-5541
Mailing Address: 4700 RAMONA BLVD
MONTEREY PARK, CA 91754 - 2169
County Los Angeles

Gepaid: CAL000022055
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3335
Waste Category: Tank bottom waste
Disposal Method: Recycler
Contact: LA CNTY SHERIFFS DEPT
Telephone: (213) 526-5541
Mailing Address: 4700 RAMONA BLVD
MONTEREY PARK, CA 91754 - 2169
County Los Angeles

Click this hyperlink while viewing on your computer to access
131 additional CA HAZNET record(s) in the EDR Site Report.

CHMIRS:

OES Control Number: 9014303
Chemical Name: Not reported
Extent of Release: Not reported
Property Use: Industrial, Utility
Incident Date: 05-DEC-90
Date Completed: 05-DEC-90
Time Completed : 1935
Agency Id Number : 19110
Agency Incident Number : 51
OES Incident Number : 9014303
Time Notified : 1835
Surrounding Area : 099
Estimated Temperature : 60
Property Management : C
More Than Two Substances Involved? : Not reported
Special Studies 1 : Not reported
Special Studies 2 : Not reported
Special Studies 3 : Not reported
Special Studies 4 : Not reported
Special Studies 5 : Not reported
Special Studies 6 : Not reported
Responding Agency Personel # Of Injuries : 0
Responding Agency Personel # Of Fatalities : 0
Resp Agncy Personel # Of Decontaminated : 0
Others Number Of Decontaminated : 0
Others Number Of Injuries : 0
Others Number Of Fatalities : 0
Vehicle Make/year : Not reported

LACO SHERIFF'S DEPT/P PHR (Continued) **S100279945**

Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	CAPT. LYNN MOHR #124351
Report Date :	05-DEC-90
Comments :	Yes
Facility Telephone Number :	213 267-2401
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported
True date :	Not reported
Year :	88-92
Agency :	Not reported
BBLS :	Not reported
Cups :	Not reported
CUFT :	Not reported
Gallons :	Not reported
Grams :	Not reported
Pounds :	Not reported
Liters :	Not reported
Ounces :	Not reported
Pints :	Not reported
Quarts :	Not reported
Sheen :	Not reported
Tons :	Not reported
Unknown :	Not reported
Description :	Not reported
Incident date :	Not reported
Admin Agency :	Not reported
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

EMISSIONS :

Facility ID :	6488
Air District Code :	SC
SIC Code :	9223
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	19

LACO SHERIFF'S DEPT/P PHR (Continued) **S100279945**

County ID :	19
Facility ID :	58949
Air District Code :	SC
SIC Code :	9223
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Y
Consolidated Emission Reporting Rule :	Not reported
County Code :	19
County ID :	19

N84 **1X COUNTY OF LA/INTERNAL SERV DEPT** HAZNET **S105082439**
North **29310 THE OLD ROAD** **N/A**
> 1 **SAUGUS, CA 91350**
7517 ft.

Site 11 of 16 in cluster N

Relative: **Lower**

Actual: **1018 ft.**

HAZNET:

Gepaid:	CAC000605256
TSD EPA ID:	CAT080010101
Gen County:	Los Angeles
Tsd County:	San Diego
Tons:	5.8000
Waste Category:	Pesticides and other waste associated with pesticide production
Disposal Method:	Not reported
Contact:	PETER PITCHES HONOR RANCHO
Telephone:	(000) 000-0000
Mailing Address:	LOS ANGELES, CA 90063
County	Los Angeles

N85 **PETER PITCHES HONOR RANCHO** HAZNET **S103981623**
North **29310 THE OLD ROAD** **N/A**
> 1 **SAUGUS, CA 91352**
7517 ft.

Site 12 of 16 in cluster N

Relative: **Lower**

Actual: **1018 ft.**

HAZNET:

Gepaid:	CAL000016065
TSD EPA ID:	CAT080013352
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.8340
Waste Category:	Tank bottom waste
Disposal Method:	Recycler
Contact:	COUNTY OF LOS ANGELES
Telephone:	(000) 000-0000
Mailing Address:	BRUCE KRAGEN, L.A. SHERIFFS LOS ANGELES, CA 90063
County	Los Angeles

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
O86 ENE > 1 7534 ft. Relative: Lower Actual: 1073 ft.	**VALENCIA HOTEL JOINT VNTR** **27710 N THE OLD RD** **, CA** **Site 1 of 2 in cluster O** HMS: Facility Id: 008176-I08695 Area: 7 Facility Type: I01 Permit Number: 00010414A Permit Status: Permit Facility Status: Permit Region: Los Angeles County:	**LOS ANGELES CO. HMS**	**U003063872** **N/A**
O87 ENE > 1 7534 ft. Relative: Lower Actual: 1073 ft.	**CHEVRON USA SS 035979** **27710 N THE OLD RD** **, CA** **Site 2 of 2 in cluster O** HMS: Facility Id: 008176-I16937 Area: 7 Facility Type: I09 Permit Number: 000012714 Permit Status: Removed Facility Status: Removed Region: Los Angeles County:	**LOS ANGELES CO. HMS**	**U003063873** **N/A**
N88 North > 1 7560 ft. Relative: Lower Actual: 1018 ft.	**MPR FLEET SERVICES** **29380 THE OLD ROAD** **CASTAIC, CA 91310** **Site 13 of 16 in cluster N** HAZNET: Gepaid: CAL000079829 TSD EPA ID: CAD099452708 Gen County: Los Angeles Tsd County: Los Angeles Tons: 14.8243 Waste Category: Waste oil and mixed oil Disposal Method: Recycler Contact: COUNTY OF LOS ANGELES Telephone: (000) 000-0000 Mailing Address: PO BOX 1867 MONTEREY PARK, CA 91754 - 8867 County Los Angeles Gepaid: CAL000079829 TSD EPA ID: CAD099452708 Gen County: Los Angeles Tsd County: Los Angeles Tons: 1.1467 Waste Category: Unspecified aqueous solution Disposal Method: Recycler Contact: COUNTY OF LOS ANGELES Telephone: (000) 000-0000 Mailing Address: PO BOX 1867 MONTEREY PARK, CA 91754 - 8867 County Los Angeles	**HAZNET**	**S103650146** **N/A**

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	MPR FLEET SERVICES (Continued)		**S103650146**
	Gepaid: CAL000079829 TSD EPA ID: CAD099452708 Gen County: Los Angeles Tsd County: Los Angeles Tons: 2.2934 Waste Category: Unspecified aqueous solution Disposal Method: Recycler Contact: COUNTY OF LOS ANGELES Telephone: (000) 000-0000 Mailing Address: PO BOX 1867 MONTEREY PARK, CA 91754 - 8867 County Los Angeles Gepaid: CAL000079829 TSD EPA ID: CAT080013352 Gen County: Los Angeles Tsd County: Los Angeles Tons: .8340 Waste Category: Unspecified aqueous solution Disposal Method: Recycler Contact: COUNTY OF LOS ANGELES Telephone: (000) 000-0000 Mailing Address: PO BOX 1867 MONTEREY PARK, CA 91754 - 8867 County Los Angeles Gepaid: CAL000079829 TSD EPA ID: CAT080013352 Gen County: Los Angeles Tsd County: Los Angeles Tons: .4587 Waste Category: Unspecified aqueous solution Disposal Method: Recycler Contact: COUNTY OF LOS ANGELES Telephone: (000) 000-0000 Mailing Address: PO BOX 1867 MONTEREY PARK, CA 91754 - 8867 County Los Angeles Click this hyperlink while viewing on your computer to access 15 additional CA HAZNET record(s) in the EDR Site Report.		
N89 North > 1 7560 ft. Relative: Lower Actual: 1018 ft.	**LACO SHERIFFS/PPHR** **29380 THE OLD ROAD** **CASTAIC, CA 91310** **Site 14 of 16 in cluster N** HAZNET: Gepaid: CAL000020245 TSD EPA ID: CAD982321879 Gen County: Los Angeles Tsd County: Stanislaus Tons: 0.0542 Waste Category: Photochemicals/photoprocessing waste Disposal Method: Not reported Contact: LACO SHERIFFS DEPT Telephone: (213) 526-5541 Mailing Address: 1060 N EASTERN BLVD	**HAZNET**	**S104575658** **N/A**

LACO SHERIFFS/PPHR (Continued) **S104575658**

LOS ANGELES, CA 90063 - 3243
County: Los Angeles

N90 **JOHNSON CONTROLS** RCRIS-SQG 1004675950
North **29380 THE OLD RD** FINDS CAR000079137
> 1 **CASTAIC, CA 91310** HAZNET
7560 ft.

Relative: Lower

Actual: 1018 ft.

Site 15 of 16 in cluster N

RCRIS:
Owner: LOS ANGELES SHERIFF DEPT
(661) 295-8841
EPA ID: CAR000079137
Contact: DAYNE HINTON
(661) 295-8841
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAR000079137
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.04
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: --
Telephone: (661) 295-8841
Mailing Address: 29380 THE OLD RD
CASTAIC, CA 91310
County: Not reported

Gepaid: CAR000079137
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.06
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Contact: --
Telephone: (661) 295-8841
Mailing Address: 29380 THE OLD RD
CASTAIC, CA 91310
County: Not reported

JOHNSON CONTROLS (Continued) **1004675950**

Gepaid: CAR000079137
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.67
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: --
Telephone: (661) 295-8841
Mailing Address: 29380 THE OLD RD
CASTAIC, CA 91310
County: Not reported

Gepaid: CAR000079137
TSD EPA ID: CAT000613893
Gen County: 0
Tsd County: Los Angeles
Tons: .3543
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 29380 THE OLD RD
CASTAIC, CA 91310
County: 0

N91 **PCA FLEET SERVICE** HAZNET **S105091414**
North **29380 THE OLD RD** **N/A**
> 1 **CASTAIC, CA 91310**
7560 ft.

Relative: Lower

Actual: 1018 ft.

Site 16 of 16 in cluster N

HAZNET:
Gepaid: CAL000188338
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.02
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Transfer Station
Contact: CECILIA SILVA
Telephone: (562) 862-2118
Mailing Address: 11101 LAKEWOOD BLVD
DOWNEY, CA 90241
County: Not reported

Gepaid: CAL000188338
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.08
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Contact: CECILIA SILVA
Telephone: (562) 862-2118
Mailing Address: 11101 LAKEWOOD BLVD
DOWNEY, CA 90241
County: Not reported

PCA FLEET SERVICE (Continued) S105091414

Gepaid: CAL000188338
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .2293
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: PCA FLEET SERVICES
Telephone: (562) 862-2118
Mailing Address: 5526 E WASHINGTON BLVD
COMMERCE, CA 90040
County: Los Angeles

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92 **EXPLORER INSURANCE** LOS ANGELES CO. HMS S103489755
NE **28490 AVE STANFORD** N/A
> 1 **, CA**
7617 ft.

Relative: Lower
Actual: 1039 ft.

HMS:
Facility Id: 018752-026807
Area: 7A
Facility Type: I01
Permit Number: 000249839 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

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93 **GG INDUSTRIES** HAZNET S103966016
NE **28410 AVE STANFORD** N/A
> 1 **VALENCIA, CA 91355**
7637 ft.

Relative: Lower
Actual: 1043 ft.

HAZNET:
Gepaid: CAL000239861
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 0.01
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: SARAH HAGEN OR GARY KENNEDY
Telephone: (661) 257-5700
Mailing Address: 28410 AVE STANFORD
VALENCIA, CA 91355
County: Not reported

Gepaid: CAC002343807
TSD EPA ID: CAT000613976
Gen County: Los Angeles
Tsd County: Orange
Tons: .0667
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Transfer Station
Contact: GG INDUSTRIES
Telephone: (805) 257-5700
Mailing Address: 28410 AVE STANFORD
VALENCIA, CA 91355
County: Los Angeles

GG INDUSTRIES (Continued) S103966016

Gepaid: CAC001504920
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1000
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Contact: GG INDUSTRIES
Telephone: (805) 257-5700
Mailing Address: 28410 AVE STANFORD
VALENCIA, CA 91355
County: Los Angeles

Gepaid: CAC001504920
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0750
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Contact: GG INDUSTRIES
Telephone: (805) 257-5700
Mailing Address: 28410 AVE STANFORD
VALENCIA, CA 91355
County: Los Angeles

Gepaid: CAC001504920
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.8
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Contact: GG INDUSTRIES
Telephone: (805) 257-5700
Mailing Address: 28410 AVE STANFORD
VALENCIA, CA 91355
County: Los Angeles

P94 **STANFORD BUSINESS PLAZA** HAZNET S105087113
NNE **28042 ANENUE STANFORD** N/A
> 1 **VALENCIA, CA 91355**
7704 ft.

Site 1 of 3 in cluster P

Relative: Lower
Actual: 1031 ft.

HAZNET:
Gepaid: CAC002291041
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .2293
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: MAJIC MAINTAINENCE INC
Telephone: (661) 259-3373
Mailing Address: 24840 W AVENUE ROCKEFELLER
VALENCIA, CA 91355
County: Los Angeles

P95 **ANCO ELECTRIC INC.** **LOS ANGELES CO. HMS** **S104536023**
NNE **28042 AVE STANFORD #A** **N/A**
> 1 **, CA**
7704 ft.

Site 2 of 3 in cluster P

Relative:
Lower

HMS:
Facility Id: 019463-027792
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Actual:
1031 ft.

P96 **APPLIED COMPANIES** **RCRIS-SQG** **1000398173**
NNE **28020 AVENUE STANFORD** **FINDS** **CAD982526410**
> 1 **VALENCIA, CA 91355** **HAZNET**
7737 ft. **LOS ANGELES CO. HMS**
CA WDS

Site 3 of 3 in cluster P

Relative:
Lower

RCRIS:
Owner: BARNEY KLINGER
(805) 257-0090
EPA ID: CAD982526410
Contact: PATRICK MILLS
(805) 257-0090
Classification: Small Quantity Generator
TSDF Activities: Not reported

Actual:
1030 ft.

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD982526410
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.5020
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: BARNEY KLINGER-CEO
Telephone: (000) 000-0000
Mailing Address: 28020 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAD982526410
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .7100
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Contact: BARNEY KLINGER-CEO
Telephone: (000) 000-0000
Mailing Address: 28020 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

APPLIED COMPANIES (Continued) **1000398173**

Gepaid: CAD982526410
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3000
Waste Category: Liquids with pH <UN-> 2
Disposal Method: Transfer Station
Contact: BARNEY KLINGER-CEO
Telephone: (000) 000-0000
Mailing Address: 28020 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAD982526410
TSD EPA ID: CAT000613976
Gen County: Los Angeles
Tsd County: Orange
Tons: .2459
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: BARNEY KLINGER-CEO
Telephone: (000) 000-0000
Mailing Address: 28020 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAD982526410
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 0.64
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: DARRELL ROBBINS/QUALITY MGR
Telephone: –
Mailing Address: 28020 AVENUE STANFORD
VALENCIA, CA 91355
County Not reported

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2 additional CA HAZNET record(s) in the EDR Site Report.

WDS:
Facility ID: 4 19I011434
Facility Contact Not reported Facility Telephone Not reported
SIC Code: 0 SIC Code 2: Not reported
Agency Name: APPLIED COMPANIES
Agency Address: Not reported
Agency Contact: Not reported Agency Phone: Not reported
Design Flow: 0 Million Gal/Day Baseline Flow: 0 Million Gal/Day
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Not reported
Waste Type: Not reported

APPLIED COMPANIES (Continued) **1000398173**

Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

HMS:
Facility Id: 007539-024938
Area: 7A
Facility Type: I01
Permit Number: 000220731 Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

Q97 **EXCEL MANUFACTURING INC** **RCRIS-SQG** **1000820458**
NNE **28059 AVENUE STANFORD** **FINDS** **CAD983664954**
> 1 **VALENCIA, CA 91355** **HAZNET**
7750 ft.

Site 1 of 4 in cluster Q

Relative: Lower

Actual: 1030 ft.

RCRIS:
Owner: WALTER HALLIDAY
(805) 257-1900
EPA ID: CAD983664954
Contact: WALTER HALLIDAY
(805) 257-1900
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD983664954
TSD EPA ID: CAD093459485
Gen County: Los Angeles
Tsd County: Fresno
Tons: .0625
Waste Category: Organic liquids with metals Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, sliver, thallium, vanadium, and zinc)
Disposal Method: Transfer Station
Contact: EXCEL MANUFACTURING INC
Telephone: (000) 000-0000
Mailing Address: 28059 AVENUE STANFORD

EXCEL MANUFACTURING INC (Continued) **1000820458**

VALENCIA, CA 91355
County: Los Angeles

Gepaid: CAD983664954
TSD EPA ID: CAT000613976
Gen County: Los Angeles
Tsd County: Orange
Tons: .4668
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: EXCEL MANUFACTURING INC
Telephone: (000) 000-0000
Mailing Address: 28059 AVENUE STANFORD
VALENCIA, CA 91355
County: Los Angeles

Gepaid: CAD983664954
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2085
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: EXCEL MANUFACTURING INC
Telephone: (000) 000-0000
Mailing Address: 28059 AVENUE STANFORD
VALENCIA, CA 91355
County: Los Angeles

Gepaid: CAD983664954
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 0.58
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: MARY JO POWELL
Telephone: (805) 257-1900
Mailing Address: 24820 AVE TIBBITS
VALENCIA, CA 91355
County: Not reported

Gepaid: CAD983664954
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 0.46
Waste Category: Hydrocarbon solvents (benzene, hexane, Stoddard, etc.)
Disposal Method: Transfer Station
Contact: MARY JO POWELL
Telephone: (805) 257-1900
Mailing Address: 24820 AVE TIBBITS
VALENCIA, CA 91355
County: Not reported

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2 additional CA HAZNET record(s) in the EDR Site Report.

R98
NE
> 1
7757 ft.

Relative:
Lower

Actual:
1034 ft.

HONOR RANCHO — HIST UST — U001567861 / N/A
28601 N. AVE. STANFORD
VALENCIA, CA 91355

Site 1 of 2 in cluster R

UST HIST:

Facility ID:	7524	Owner Name:	SOUTHERN CALIF. GAS COMPANY
Total Tanks:	2	Region:	STATE
Owner Address:	BOX 3249 TERMINAL ANNEX LOS ANGELES, CA 90051		
Tank Used for:	WASTE		
Tank Num:	1	Container Num:	TNBU501
Tank Capacity:	00000752	Year Installed:	1976
Type of Fuel:	5	Tank Construction:	.25 inches
Leak Detection:	Visual		
Contact Name:	WAYNE MATLOCK	Telephone:	(805) 257-3224
Facility Type:	Other	Other Type:	PUBLIC UTILITY
Facility ID:	7524	Owner Name:	SOUTHERN CALIF. GAS COMPANY
Total Tanks:	2	Region:	STATE
Owner Address:	BOX 3249 TERMINAL ANNEX LOS ANGELES, CA 90051		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	TNBU502
Tank Capacity:	00000120	Year Installed:	1984
Type of Fuel:	0	Tank Construction:	.375 inches
Leak Detection:	Visual		
Contact Name:	WAYNE MATLOCK	Telephone:	(805) 257-3224
Facility Type:	Other	Other Type:	PUBLIC UTILITY
Facility ID:	7525	Owner Name:	SOUTHERN CALIF. GAS COMPANY
Total Tanks:	1	Region:	STATE
Owner Address:	BOX 3249 TERMINAL ANNEX LOS ANGELES, CA 90051		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	TNBU500
Tank Capacity:	00005000	Year Installed:	Not reported
Type of Fuel:	1	Tank Construction:	0.250 inches
Leak Detection:	Stock Inventor		
Contact Name:	MATLOCK, WAYNE	Telephone:	(805) 252-3224
Facility Type:	Other	Other Type:	PUBLIC UTILITY

R99
NE
> 1
7757 ft.

Relative:
Lower

Actual:
1034 ft.

SOUTHERN CALIFORNIA GAS CO — HAZNET — S100945239 / N/A
28601 N STANFORD AVE
VALENCIA, CA 91355

Site 2 of 2 in cluster R

HAZNET:

Gepaid:	CAD981422199
TSD EPA ID:	CAT000625137
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.2293
Waste Category:	Unspecified solvent mixture Waste
Disposal Method:	Disposal, Other
Contact:	SOUTHERN CALIFORNIA GAS CO
Telephone:	(213) 244-5517
Mailing Address:	PO BOX 513249 LOS ANGELES, CA 90051 - 1249

SOUTHERN CALIFORNIA GAS CO (Continued) — S100945239

County	Los Angeles
Gepaid:	CAD981422199
TSD EPA ID:	CAT000625137
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.2293
Waste Category:	Unspecified solvent mixture Waste
Disposal Method:	Not reported
Contact:	SOUTHERN CALIFORNIA GAS CO
Telephone:	(213) 244-5517
Mailing Address:	PO BOX 513249 LOS ANGELES, CA 90051 - 1249
County	Los Angeles
Gepaid:	CAD981422199
TSD EPA ID:	CAT000625137
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.4586
Waste Category:	Tank bottom waste
Disposal Method:	Not reported
Contact:	SOUTHERN CALIFORNIA GAS CO
Telephone:	(213) 244-5517
Mailing Address:	PO BOX 513249 LOS ANGELES, CA 90051 - 1249
County	Los Angeles
Gepaid:	CAD981422199
TSD EPA ID:	CAT000625137
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.5200
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Not reported
Contact:	SOUTHERN CALIFORNIA GAS CO
Telephone:	(213) 244-5517
Mailing Address:	PO BOX 513249 LOS ANGELES, CA 90051 - 1249
County	Los Angeles
Gepaid:	CAD981422199
TSD EPA ID:	CAT000625137
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.4750
Waste Category:	Contaminated soil from site clean-ups
Disposal Method:	Disposal, Other
Contact:	SOUTHERN CALIFORNIA GAS CO
Telephone:	(213) 244-5517
Mailing Address:	PO BOX 513249 LOS ANGELES, CA 90051 - 1249
County	Los Angeles

Click this hyperlink while viewing on your computer to access
92 additional CA HAZNET record(s) in the EDR Site Report.

Q100 **MORGAN PRODUCTS, INC.** **HAZNET** **S103945567**
NNE **28103 AVENUE STANFORD** **LOS ANGELES CO. HMS** **N/A**
> 1 **VALENCIA, CA 91355**
7770 ft.

Site 2 of 4 in cluster Q

Relative: **Lower**

Actual: **1030 ft.**

HAZNET:
Gepaid: CAD022089254
TSD EPA ID: CAT000613976
Gen County: Los Angeles
Tsd County: Orange
Tons: .0834
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: MORRIS E AND MARY O MORGAN
Telephone: (000) 000-0000
Mailing Address: 28103 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAD022089254
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 0.23
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: MORRIS E. MORGAN, PRESIDENT
Telephone: --
Mailing Address: 28103 AVENUE STANFORD
VALENCIA, CA 91355
County Not reported

HMS:
Facility Id: 019469-027798
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Q101 **HR TEXTRON INC** **EMI** **S105938116**
NNE **28113-28115 AVENUE STANFORD** **N/A**
> 1 **VALENCIA, CA 91355**
7775 ft.

Site 3 of 4 in cluster Q

Relative: **Lower**

Actual: **1030 ft.**

EMISSIONS :
Facility ID : 48272
Air District Code : SC
SIC Code : 3599
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

102 **DRESSER-RAND** **HAZNET** **S103649436**
NE **28343 NORTH AVE CROCKER STE D** **N/A**
> 1 **VALENCIA, CA 91355**
7775 ft.

Relative: **Lower**

Actual: **1045 ft.**

HAZNET:
Gepaid: CAL000048592
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4378
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: DRESSER-RAND
Telephone: (000) 000-0000
Mailing Address: 28343 NORTH AVE CROCKER STE D
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000048592
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.4803
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: DRESSER-RAND
Telephone: (000) 000-0000
Mailing Address: 28343 NORTH AVE CROCKER STE D
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000048592
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 1.6856
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: DRESSER-RAND
Telephone: (000) 000-0000
Mailing Address: 28343 NORTH AVE CROCKER STE D
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000048592
TSD EPA ID: CAT080022148
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .2107
Waste Category: Off-specification, aged, or surplus inorganics
Disposal Method: Transfer Station
Contact: DRESSER-RAND
Telephone: (000) 000-0000
Mailing Address: 28343 NORTH AVE CROCKER STE D
VALENCIA, CA 91355
County Los Angeles

DRESSER-RAND (Continued) S103649436

Gepaid: CAL000048592
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 7.7145
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: DRESSER-RAND
Telephone: (000) 000-0000
Mailing Address: 28343 NORTH AVE CROCKER STE D
VALENCIA, CA 91355
County Los Angeles

Click this hyperlink while viewing on your computer to access
7 additional CA HAZNET record(s) in the EDR Site Report.

Q103 **ROBERT TEAGUE** **CA WDS** **S106571275**
NNE **28115 AVENUE STANFORD** **N/A**
> 1 **VALENCIA, CA 91355**
7777 ft.

Site 4 of 4 in cluster Q

Relative:
Lower

Actual:
1030 ft.

WDS:
Facility ID: 4 19I018847
Facility Contact Teresa Wales Facility Telephone (661) 295-7000
SIC Code: 3732 SIC Code 2: Not reported
Agency Name: ROBERT TEAGUE
Agency Address: 28115 Avenue Stanford
Valencia
Agency Contact: Teresa Wales Agency Phone: (661) 295-7000
Design Flow: 0 Million Gal/Day Baseline Flow: 0 Million Gal/Day
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Private
Waste Type: Not reported
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

S104 **SIX FLAGS MAGIC MOUNTAIN** **RCRIS-SQG** **1000114218**
East **26101 MAGIC MOUNTAIN PKY** **FINDS** **CAD981657976**
> 1 **VALENCIA, CA 91355** **HAZNET**
7810 ft. **LUST**
Cortese
Relative: **Site 1 of 4 in cluster S** **UST**
Lower **CA FID UST**
LOS ANGELES CO. HMS
Actual: **CA WDS**
1082 ft. **HIST UST**
EMI

RCRIS:
Owner: SIX FLAGS CORP
(415) 555-1212
EPA ID: CAD981657976
Contact: ENVIRONMENTAL MANAGER
(805) 255-4777
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
National Compliance Data Base
National Emissions Inventory
Permit Compliance System
Resource Conservation and Recovery Act Information system

State LUST:
Cross Street: THE OLD ROAD
Qty Leaked: Not reported
Case Number I-00129
Reg Board: Los Angeles Region
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19000
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: Not reported Confirm Leak: Not reported
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1996-12-27 00:00:00
Release Date: 1994-02-07 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1994-01-14 00:00:00
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1995-05-25 00:00:00
Funding: Not reported
Staff initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported

SIX FLAGS MAGIC MOUNTAIN (Continued) **1000114218**

Interim : Yes
Leak Cause: UNK
Leak Source: Tank
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : Not reported
Oversight Prgm: LUST
Review Date : 1997-03-24 00:00:00
Stop Date : Not reported
Work Suspended :Not reported
Responsible PartySIX FLAGS MAGIC MO
RP Address: PO BOX 5500 VALENCIA CA 9138
Global Id: T0603702674
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 2/7/1994
Lead Agency: Regional Board
Local Agency: 19000
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 3/24/1997
Date Leak Record Entered: 5/25/1995
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc In Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: SIX FLAGS MAGIC MOUNTAIN
RP Address: PO BOX 5500 VALENCIA CA 91385
Significant Interim Remedial Action Taken: Yes
Program : LUST
Lat / Long : 34.4203202 / -1
Local Agency Staff: Not reported

SIX FLAGS MAGIC MOUNTAIN (Continued) **1000114218**

Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : Not reported
Abatement Method Used at the Site: Excavate and Dispose
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 2469.160171373407063619817O577
Assigned Name : Not reported
W Global ID : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 1/14/1994
How the Leak was Discovered: Tank Closure
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: Tank
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: 2/7/1994
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 12/27/1996
Enforcement Action Date: Not reported
Date Leak First Reported: 2/7/1994
Enforcement Type: Not reported
Global ID : T0603702674
Cross Street: THE OLD ROAD
Summary : TPH=3,416 PPM, BTEX=18/67/26/109 PPM 03/24/97 - WELL ABANDONMENT REPORT

HAZNET:
Gepaid: CAD981657976
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1355
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Not reported
Contact: SIX FLAGS MAGIC MOUNTAIN
Telephone: (805) 255-4182
Mailing Address: 26101 MAGIC MOUNTAIN PKWY
VALENCIA, CA 91355 - 1052
County Los Angeles

SIX FLAGS MAGIC MOUNTAIN (Continued) **1000114218**

Gepaid: CAD981657976
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4465
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: SIX FLAGS MAGIC MOUNTAIN
Telephone: (805) 255-4182
Mailing Address: 26101 MAGIC MOUNTAIN PKWY
VALENCIA, CA 91355 - 1052
County Los Angeles

Gepaid: CAD981657976
TSD EPA ID: CAT000613992
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0000
Waste Category:
Disposal Method: Transfer Station
Contact: SIX FLAGS MAGIC MOUNTAIN
Telephone: (805) 255-4182
Mailing Address: 26101 MAGIC MOUNTAIN PKWY
VALENCIA, CA 91355 - 1052
County Los Angeles

Gepaid: CAD981657976
TSD EPA ID: CAT000613992
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .7650
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Not reported
Contact: SIX FLAGS MAGIC MOUNTAIN
Telephone: (805) 255-4182
Mailing Address: 26101 MAGIC MOUNTAIN PKWY
VALENCIA, CA 91355 - 1052
County Los Angeles

Gepaid: CAD981657976
TSD EPA ID: CAT000613992
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3900
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: SIX FLAGS MAGIC MOUNTAIN
Telephone: (805) 255-4182
Mailing Address: 26101 MAGIC MOUNTAIN PKWY
VALENCIA, CA 91355 - 1052
County Los Angeles

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66 additional CA HAZNET record(s) in the EDR Site Report.

CORTESE:
Region: CORTESE
Fac Address 2: 26101 MAGIC MOUNTAIN PKWY W

SIX FLAGS MAGIC MOUNTAIN (Continued) **1000114218**

FID:
Facility ID: 19009693 Regulate ID: CAD981657
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported SIC Code: Not reported
Status: Active Facility Tel: (805) 255-4540
Mail To: Not reported
26101 W MAGIC MOUNTAIN PKY
VALENCIA, CA 91385
Contact: Not reported Contact Tel: Not reported
DUNs No: Not reported NPDES No: Not reported
Creation: 10/22/93 Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

WDS:
Facility ID: 4 19I008031
Facility Contact Not reported Facility Telephone Not reported
SIC Code: 0 SIC Code 2: Not reported
Agency Name: SIX FLAGS MAGIC MOUNTAIN
Agency Address: Not reported
Agency Contact: Not reported Agency Phone: Not reported
Design Flow: 0 Million Gal/Day Baseline Flow: 0 Million Gal/Day
Facility Type: Not reported
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Not reported
Waste Type: Not reported
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

HMS:
Facility Id: 016285-021395
Area: 7
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

UST HIST:
Facility ID: 55582 Owner Name: SIX FLAGS MAGIC MOUNTAIN
Total Tanks: 20 Region: STATE
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 1 Container Num: M41242

SIX FLAGS MAGIC MOUNTAIN (Continued) **1000114218**

Tank Capacity: 00004000
Type of Fuel: REGULAR
Leak Detection: None
Contact Name: Not reported
Facility Type: Other
Year Installed: 1983
Tank Construction: Not Reported
Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Tank Used for: PRODUCT
Tank Num: 2
Tank Capacity: 00008000
Type of Fuel: PREMIUM
Leak Detection: None
Contact Name: Not reported
Facility Type: Other
Container Num: A006
Year Installed: Not reported
Tank Construction: Not Reported
Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Tank Used for: WASTE
Tank Num: 3
Tank Capacity: 00010000
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: Not reported
Facility Type: Other
Container Num: A001
Year Installed: 1974
Tank Construction: Not Reported
Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Tank Used for: PRODUCT
Tank Num: 4
Tank Capacity: 00008000
Type of Fuel: DIESEL
Leak Detection: None
Contact Name: Not reported
Facility Type: Other
Container Num: A004
Year Installed: 1976
Tank Construction: Not Reported
Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Tank Used for: PRODUCT
Tank Num: 5
Tank Capacity: 00012000
Type of Fuel: REGULAR
Leak Detection: None
Contact Name: Not reported
Facility Type: Other
Container Num: 47138
Year Installed: 1978
Tank Construction: Not Reported
Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

SIX FLAGS MAGIC MOUNTAIN (Continued) **1000114218**

VALENCIA, CA 91355
Tank Used for: WASTE
Tank Num: 6
Tank Capacity: 00002000
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: Not reported
Facility Type: Other
Container Num: A005
Year Installed: Not reported
Tank Construction: Not Reported
Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Tank Used for: PRODUCT
Tank Num: 7
Tank Capacity: 00008000
Type of Fuel: DIESEL
Leak Detection: None
Contact Name: Not reported
Facility Type: Other
Container Num: 9004770
Year Installed: 1974
Tank Construction: Not Reported
Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Tank Used for: PRODUCT
Tank Num: 8
Tank Capacity: 00010000
Type of Fuel: UNLEADED
Leak Detection: None
Contact Name: Not reported
Facility Type: Other
Container Num: 9004770
Year Installed: 1980
Tank Construction: Not Reported
Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Tank Used for: PRODUCT
Tank Num: 9
Tank Capacity: 00010000
Type of Fuel: PREMIUM
Leak Detection: None
Contact Name: Not reported
Facility Type: Other
Container Num: 9004770
Year Installed: 1980
Tank Construction: Not Reported
Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Tank Used for: PRODUCT
Tank Num: 10
Tank Capacity: 00010000
Type of Fuel: PREMIUM
Leak Detection: None
Contact Name: Not reported
Facility Type: Other
Container Num: 9004770
Year Installed: 1980
Tank Construction: Not Reported
Telephone: (805) 255-4777
Other Type: Not reported

SIX FLAGS MAGIC MOUNTAIN (Continued) **1000114218**

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 11
Tank Capacity: 00010000
Type of Fuel: PREMIUM
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Container Num: 9004770
Year Installed: 1980
Tank Construction: Not Reported

Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 12
Tank Capacity: 00012000
Type of Fuel: UNLEADED
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Container Num: P47137
Year Installed: 1971
Tank Construction: Not Reported

Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 13
Tank Capacity: 00010000
Type of Fuel: PREMIUM
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Container Num: 9004770
Year Installed: 1980
Tank Construction: Not Reported

Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 14
Tank Capacity: 00010000
Type of Fuel: PREMIUM
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Container Num: 9004770
Year Installed: 1980
Tank Construction: Not Reported

Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 15
Tank Capacity: 00012000
Type of Fuel: UNLEADED

Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Container Num: P47137
Year Installed: 1971
Tank Construction: Not Reported

SIX FLAGS MAGIC MOUNTAIN (Continued) **1000114218**

Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Tank Used for: WASTE
Tank Num: 16
Tank Capacity: 00002000
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Container Num: A002
Year Installed: 1972
Tank Construction: Not Reported

Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Tank Used for: WASTE
Tank Num: 17
Tank Capacity: 00002000
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Container Num: A003
Year Installed: 1972
Tank Construction: Not Reported

Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 18
Tank Capacity: 00012000
Type of Fuel: UNLEADED
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Container Num: P47137
Year Installed: 1971
Tank Construction: Not Reported

Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 19
Tank Capacity: 00012000
Type of Fuel: UNLEADED
Leak Detection: None
Contact Name: Not reported
Facility Type: Other

Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

Container Num: P47137
Year Installed: 1971
Tank Construction: Not Reported

Telephone: (805) 255-4777
Other Type: Not reported

Facility ID: 55582
Total Tanks: 20
Owner Address: 26101 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355
Tank Used for: PRODUCT

Owner Name: SIX FLAGS MAGIC MOUNTAIN
Region: STATE

SIX FLAGS MAGIC MOUNTAIN (Continued) **1000114218**

Tank Num: 20 Container Num: P47137
Tank Capacity: 00012000 Year Installed: 1971
Type of Fuel: UNLEADED Tank Construction: Not Reported
Leak Detection: None
Contact Name: Not reported Telephone: (805) 255-4777
Facility Type: Other Other Type: Not reported

EMISSIONS :
Facility ID : 25513
Air District Code : SC
SIC Code : 7996
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

State UST:
Facility ID: 000129
Region: STATE
Local Agency: 19000

S105 **AMUSEMENT PARK, VALENCIA** **CA WDS** **S103617440**
East **26101 MAGIC MOUNTAIN PKWY** **N/A**
> 1 **VALENCIA, CA 91355**
7810 ft.

Site 2 of 4 in cluster S

Relative: **Lower**

Actual: **1082 ft.**

WDS:
Facility ID: Santa Clara River 199002002
Facility Contact Dan Duncan Facility Telephone (805) 255-4182
SIC Code: 7996 SIC Code 2: Not reported
Agency Name: SIX FLAGS MAGIC MOUNTAIN
Agency Address: Not reported
Agency Contact: Not reported Agency Phone: Not reported
Design Flow: 1 Million Gal/Day Baseline Flow: 0 Million Gal/Day
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Private
Waste Type: Miscellaneous (includes wastes from dewatering, recreational lake overflow, swimming pool wastes, water ride wastewater, ground water seepage and other wastes of this type) - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category. Stormwater Runoff - Designated/Influent or Solid Wastes that pose a significant threat to water quality because of their high concentrations (E.G., BOD, Hardness, TRF, Chloride). 'Manageable' hazardous wastes (E.G., inorganic salts and heavy metals) are included in this category.
Threat to Water: Moderate Threat to Water Quality. A violation could have a major adverse impact on receiving biota, can cause aesthetic impairment to a significant human population, or render unusable a potential domestic or municipal water supply. Awsthetic impairment would include nuisance from a waste treatment facility.
Complexity: Category B - Any facility having a physical, chemical, or biological waste treatment

AMUSEMENT PARK, VALENCIA (Continued) **S103617440**

system (except for septic systems with subsurface disposal), or any Class II or III disposal site, or facilities without treatment systems that are complex, such as marinas with petroleum products, solid wastes, and sewage pump out facilities.
Reclamation: No reclamation requirements associated with this facility.
POTW: The facility is not a POTW.
NPDES Number: CA0003352 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

T106 **ANSWER PRODUCTS** **RCRIS-SQG** **1001195294**
NE **28209 AVE STANFORD** **FINDS** **CAR000018598**
> 1 **VALENCIA, CA 91355** **HAZNET**
7824 ft.

Site 1 of 7 in cluster T

Relative: **Lower**

Actual: **1047 ft.**

RCRIS:
Owner: ANDRE LACY
(317) 237-2269
EPA ID: CAR000018598
Contact: MARIE CLAGGETT
(805) 294-4111
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAL000128539
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.1467
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: LACEY DIVERSIFIED INDUSTRIES
Telephone: (000) 000-0000
Mailing Address: 28209 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAR000018598
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 0.30
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Contact: ERIC BARNES/MANUFACTURING ENG
Telephone: (661) 294-4166
Mailing Address: 28209 AVENUE STANFORD
VALENCIA, CA 91355 - 3984
County Not reported

ANSWER PRODUCTS (Continued) **1001195294**

Gepaid: CAR000018598
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.53
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: ERIC BARNES/MANUFACTURING ENG
Telephone: (661) 294-4166
Mailing Address: 28209 AVENUE STANFORD
VALENCIA, CA 91355 - 3984
County Not reported

Gepaid: CAR000018598
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 0.01
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: ERIC BARNES/MANUFACTURING ENG
Telephone: (661) 294-4166
Mailing Address: 28209 AVENUE STANFORD
VALENCIA, CA 91355 - 3984
County Not reported

Gepaid: CAR000018598
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.22
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: ERIC BARNES/MANUFACTURING ENG
Telephone: (661) 294-4166
Mailing Address: 28209 AVENUE STANFORD
VALENCIA, CA 91355 - 3984
County Not reported

Click this hyperlink while viewing on your computer to access
22 additional CA HAZNET record(s) in the EDR Site Report.

U107 **DELTA LITHOGRAPH CO** **LOS ANGELES CO. HMS** **U002281513**
NE **28210 AVE STANFORD** **N/A**
> 1 **, CA**
7853 ft.

Site 1 of 8 in cluster U

Relative: Lower

Actual: 1046 ft.

HMS:
Facility Id: 007851-I08312
Area: 7A
Facility Type: I01
Permit Number: 00011205B Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

U108 **DELTA LITHOGRAPH** **LOS ANGELES CO. HMS** **S102064551**
NE **28215 AVE STANFORD** **N/A**
> 1 **, CA**
7853 ft.

Site 2 of 8 in cluster U

Relative: Lower

Actual: 1046 ft.

HMS:
Facility Id: 009125-008312
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Facility Id: 009125-027802
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

U109 **DELTA PRINTING SOLUTIONS INC** **FINDS** **1000395204**
NE **28210 N AVE STANFORD** **HAZNET** **CAD981975956**
> 1 **VALENCIA, CA 91355** **RCRIS-LQG**
7853 ft. **LOS ANGELES CO. HMS**
EMI

Site 3 of 8 in cluster U

Relative: Lower

Actual: 1046 ft.

RCRIS:
Owner: BERTELSMANN INC
(212) 391-0143
EPA ID: CAD981975956
Contact: IRENE MILNER
(805) 295-4363
Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
National Emissions Inventory
Resource Conservation and Recovery Act Information system
Toxics Release Inventory

HAZNET:
Gepaid: CAD981975956
TSD EPA ID: CAT080022148
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .2293
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: THE BERTELSMANN BLDG
Telephone: (212) 782-1240
Mailing Address: 28210 N AVENUE STANFORD
VALENCIA, CA 91355 - 1111
County Los Angeles

DELTA PRINTING SOLUTIONS INC (Continued) **1000395204**

Gepaid: CAD981975956
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 11.3841
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: THE BERTELSMANN BLDG
Telephone: (212) 782-1240
Mailing Address: 28210 N AVENUE STANFORD
VALENCIA, CA 91355 - 1111
County Los Angeles

Gepaid: CAD981975956
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 6.2550
Waste Category: Unspecified oil-containing waste
Disposal Method: Not reported
Contact: THE BERTELSMANN BLDG
Telephone: (212) 782-1240
Mailing Address: 28210 N AVENUE STANFORD
VALENCIA, CA 91355 - 1111
County Los Angeles

Gepaid: CAD981975956
TSD EPA ID: MOD981505555
Gen County: Los Angeles
Tsd County: 99
Tons: 1.8348
Waste Category: Other organic solids
Disposal Method: Treatment, Incineration
Contact: THE BERTELSMANN BLDG
Telephone: (212) 782-1240
Mailing Address: 28210 N AVENUE STANFORD
VALENCIA, CA 91355 - 1111
County Los Angeles

Gepaid: CAD981975956
TSD EPA ID: MOD981505555
Gen County: Los Angeles
Tsd County: 99
Tons: 5.7337
Waste Category: Other organic solids
Disposal Method: Not reported
Contact: THE BERTELSMANN BLDG
Telephone: (212) 782-1240
Mailing Address: 28210 N AVENUE STANFORD
VALENCIA, CA 91355 - 1111
County Los Angeles

Click this hyperlink while viewing on your computer to access
21 additional CA HAZNET record(s) in the EDR Site Report.

HMS:
Facility Id: 007851-020105
Area: 7A
Facility Type: I01

DELTA PRINTING SOLUTIONS INC (Continued) **1000395204**

Permit Number: 000J11205 Permit Status: Suspended
Facility Status: Permit
Region: Los Angeles County:

EMISSIONS :
Facility ID : 70026
Air District Code : SC
SIC Code : 2732
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Y
Consolidated Emission Reporting Rule : B
County Code : 19
County ID : 19

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110 **ARC SPECIALISTS** **HAZNET** **S103950506**
NE **26140 AVENUE HALL** **N/A**
> 1 **VALENCIA, CA 91355**
7876 ft.

Relative:
Lower

Actual:
1043 ft.

HAZNET:
Gepaid: CAC001313672
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3753
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: JOSEPH GAGE
Telephone: (805) 775-8500
Mailing Address: 26140 AVENUE HALL
VALENCIA, CA 91355
County Los Angeles

T111 **POLYCARBON DIVISION** **LUST** **S103587506**
NE **28176 STANFORD AVE N** **Cortese** **N/A**
> 1 **VALENCIA, CA 91310**
7883 ft.

Site 2 of 7 in cluster T

Relative:
Lower

Actual:
1047 ft.

State LUST:
Cross Street: RYE CANYON RD
Qty Leaked: Not reported
Case Number R-07654
Reg Board: Los Angeles Region
Chemical: Solvents
Lead Agency: Regional Board
Local Agency : 19000
Case Type: Other ground water affected
Status: Pollution Characterization
Review Date: 1990-09-25 00:00:00 Confirm Leak: 1990-09-25 00:00:00
Workplan: 1990-09-25 00:00:00 Prelim Assess: 1990-09-25 00:00:00
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported

POLYCARBON DIVISION (Continued) **S103587506**

Close Date: Not reported
Release Date: 1992-09-29 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1992-09-29 00:00:00
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1993-07-15 00:00:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: 3A
Local Case # : Not reported
Beneficial: Not reported
Staff : SLC
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : Not reported
Oversight Prgm: Spills, Leaks, Investigations and Cleanup UST
Review Date : 1993-07-15 00:00:00
Stop Date : Not reported
Work Suspended :Not reported
Responsible PartySGL TECHNIC, INC.
RP Address: 28176 N AVE STANFORD, VALENC
Global Id: T0603704764
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 9/29/1992
Lead Agency: Regional Board
Local Agency: 19000
Substance: Solvents
Case Type: Groundwater
Status: Pollution Characterization
Region: 4
Staff: SLC
Date Case Last Changed on Database: 7/15/1993
Date Leak Record Entered: 7/15/1993
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc In Groundwater: Not reported

POLYCARBON DIVISION (Continued) **S103587506**

Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: SGL TECHNIC, INC.
RP Address: 28176 N AVE STANFORD, VALENCIA, CA 91355
Significant Interim Remedial Action Taken: Not reported
Program : SLIC
Lat / Long : 34.4359275 / -1
Local Agency Staff: Not reported
Beneficial Use : Not reported
Priority : 3A
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : Not reported
Abatement Method Used at the Site: Not reported
Operator : Not reported
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 5003.4090800043214062697590403
Assigned Name : Not reported
W Global ID : Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 9/29/1992
How the Leak was Discovered: Not reported
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: 9/25/1990
Preliminary Site Assessment Workplan Submitted: 9/25/1990
Preliminary Site Assessment Began: 9/25/1990
Pollution Characterization Began: 3/25/1991
Remediation Plan Submitted: Not reported
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: Not reported
Enforcement Action Date: Not reported
Date Leak First Reported: 9/29/1992
Enforcement Type: Not reported
Global ID : T0603704764
Cross Street: RYE CANYON RD
Summary : OLD CASE #121594-58 FILE MISSING

CORTESE:
Region: CORTESE
Fac Address 2: 28176 STANFORD AVE N

MAP FINDINGS

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
T112 NE > 1 7883 ft. Relative: Lower Actual: 1047 ft.	**28176 AVE STANFORD** **28176 AVE STANFORD** **SANTA CLRITA, CA** **Site 3 of 7 in cluster T** Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.	**ERNS**	**8857048** **N/A**
T113 NE > 1 7883 ft. Relative: Lower Actual: 1047 ft.	**POLYCARBON INC** **28176 AVE STANFORD** **, CA** **Site 4 of 7 in cluster T** HMS: Facility Id: 007312-I07654 Area: 7A Facility Type: I01 Permit Number: 000009704 Permit Status: Permit Facility Status: Permit Region: Los Angeles County: Facility Id: 007312-007654 Area: 7A Facility Type: T1 Permit Number: 000133704 Permit Status: Removed Facility Status: Removed Region: Los Angeles County:	**LOS ANGELES CO. HMS**	**S100942596** **N/A**
T114 NE > 1 7883 ft. Relative: Lower Actual: 1047 ft.	**SEE FILE I07654** **28176 AVE STANFORD** **, CA** **Site 5 of 7 in cluster T** HMS: Facility Id: 007312-020104 Area: 7A Facility Type: Not reported Permit Number: Not reported Permit Status: Not reported Facility Status: OPEN Region: Los Angeles County:	**LOS ANGELES CO. HMS**	**S102064548** **N/A**
T115 NE > 1 7883 ft. Relative: Lower Actual: 1047 ft.	**POLYCARBON, INC** **28176 N AVE STANFORD** **VALENCIA, CA 91355** **Site 6 of 7 in cluster T**	**FINDS** **RCRIS-LQG** **TRIS**	**1000441167** **91355PLYCR28**

MAP FINDINGS

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	POLYCARBON, INC (Continued)		**1000441167**
	RCRIS: Owner: NOT REQUIRED (415) 555-1212 EPA ID: CAD981387814 Contact: Not reported Classification: Large Quantity Generator TSDF Activities: Not reported Violation Status: No violations found FINDS: Other Pertinent Environmental Activity Identified at Site: Aerometric Information Retrieval System/AIRS Facility Subsystem National Emissions Inventory Resource Conservation and Recovery Act Information system Toxics Release Inventory		
T116 NE > 1 7883 ft. Relative: Lower Actual: 1047 ft.	**SGL TECHNIC POLYCARBON DIV** **28176 N AVE STANFORD** **VALENCIA, CA 91310** **Site 7 of 7 in cluster T** HAZNET: Gepaid: CAD981387814 TSD EPA ID: CAD089446710 Gen County: Los Angeles Tsd County: Los Angeles Tons: .0000 Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.) Disposal Method: Not reported Contact: SGL CARBON GROUP Telephone: (704) 593-5100 Mailing Address: 28176 NORTH AVENUE STANFORD VALENCIA, CA 91355 - 1119 County Los Angeles Gepaid: CAD981387814 TSD EPA ID: CAT080031628 Gen County: Los Angeles Tsd County: Kern Tons: 2.2935 Waste Category: Unspecified solvent mixture Waste Disposal Method: Not reported Contact: SGL CARBON GROUP Telephone: (704) 593-5100 Mailing Address: 28176 NORTH AVENUE STANFORD VALENCIA, CA 91355 - 1119 County Los Angeles	**HAZNET**	**S103649295** **N/A**

SGL TECHNIC POLYCARBON DIV (Continued) **S103649295**

Gepaid: CAD981387814
TSD EPA ID: CAT080031628
Gen County: Los Angeles
Tsd County: Kern
Tons: 2.6688
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Not reported
Contact: SGL CARBON GROUP
Telephone: (704) 593-5100
Mailing Address: 28176 NORTH AVENUE STANFORD
VALENCIA, CA 91355 - 1119
County Los Angeles

Gepaid: CAD981387814
TSD EPA ID: CAT080031628
Gen County: Los Angeles
Tsd County: Kern
Tons: 9.6743
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: SGL CARBON GROUP
Telephone: (704) 593-5100
Mailing Address: 28176 NORTH AVENUE STANFORD
VALENCIA, CA 91355 - 1119
County Los Angeles

Gepaid: CAD981387814
TSD EPA ID: CAT080011059
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.7939
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Not reported
Contact: SGL CARBON GROUP
Telephone: (704) 593-5100
Mailing Address: 28176 NORTH AVENUE STANFORD
VALENCIA, CA 91355 - 1119
County Los Angeles

Click this hyperlink while viewing on your computer to access
202 additional CA HAZNET record(s) in the EDR Site Report.

V117 **LINCOLN/MERCURY CONCEPT CENTER** HAZNET S104582061
NNE **28258 AVENUE STANFORD** N/A
> 1 **VALENCIA, CA 91355**
7917 ft.

Site 1 of 2 in cluster V

Relative:
Lower

Actual:
1034 ft.

HAZNET:
Gepaid: CAL000195094
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.4587
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Contact: FORD MOTOR COMPANY
Telephone: (000) 000-0000
Mailing Address: 28258 AVENUE STANFORD

LINCOLN/MERCURY CONCEPT CENTER (Continued) **S104582061**

VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000195094
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Not reported
Tons: 0.16
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: ROBERT DONELSON-FAB SUP
Telephone: (661) 257-4139
Mailing Address: 28258 AVENUE STANFORD
VALENCIA, CA 91355
County Not reported

Gepaid: CAL000195094
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.22
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Contact: ROBERT DONELSON-FAB SUP
Telephone: (661) 257-4139
Mailing Address: 28258 AVENUE STANFORD
VALENCIA, CA 91355
County Not reported

S118 CHMIRS S100277195
East **2550 MAGIC MOUNTAIN PARKWAY** N/A
> 1 **VALENCIA, CA 91355**
7982 ft.

Site 3 of 4 in cluster S

Relative:
Lower

Actual:
1081 ft.

CHMIRS:

OES Control Number:	9115239
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	Petroleum Refinery
Incident Date:	01-FEB-91
Date Completed:	01-FEB-91
Time Completed :	800
Agency Id Number :	19110
Agency Incident Number :	H-4
OES Incident Number :	9115239
Time Notified :	145
Surrounding Area :	963
Estimated Temperature :	Not reported
Property Management :	Not reported
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	0

(Continued) **S100277195**

Others Number Of Decontaminated :	0
Others Number Of Injuries :	0
Others Number Of Fatalities :	0
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	MARTIN SCOTT 081235
Report Date :	01-FEB-91
Comments :	Yes
Facility Telephone Number :	213 267-2401
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported
True date :	Not reported
Year :	88-92
Agency :	Not reported
BBLS :	Not reported
Cups :	Not reported
CUFT :	Not reported
Gallons :	Not reported
Grams :	Not reported
Pounds :	Not reported
Liters :	Not reported
Ounces :	Not reported
Pints :	Not reported
Quarts :	Not reported
Sheen :	Not reported
Tons :	Not reported
Unknown :	Not reported
Description :	Not reported
Incident date :	Not reported
Admin Agency :	Not reported
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

S119 **SIX FLAGS MAGIC MOUNTAIN** **LOS ANGELES CO. HMS** **S102064427**
East **26101 W MAGIC MOUNTAIN PKWY** **N/A**
> 1 **, CA**
7990 ft.

Site 4 of 4 in cluster S

Relative:
Lower

Actual:
1081 ft.

HMS:

Facility Id:	000129-I00129		
Area:	7		
Facility Type:	I01		
Permit Number:	000009333	Permit Status:	Permit
Facility Status:	Permit		
Region:	Los Angeles County:		
Facility Id:	000129-000129		
Area:	7		
Facility Type:	T0		
Permit Number:	00000232T	Permit Status:	Permit
Facility Status:	Permit		
Region:	Los Angeles County:		
Facility Id:	000129-022527		
Area:	7		
Facility Type:	I01		
Permit Number:	000132809	Permit Status:	Permit
Facility Status:	Permit		
Region:	Los Angeles County:		

U120 **CONCEPT CENTER CALIFORNIA INC** **HAZNET** **S100627881**
NE **28258 STANFORD AVE** **N/A**
> 1 **VALENCIA, CA 91355**
8021 ft.

Site 4 of 8 in cluster U

Relative:
Lower

Actual:
1048 ft.

HAZNET:

Gepaid:	CAL000060855
TSD EPA ID:	CAD008302903
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.3710
Waste Category:	Paint sludge
Disposal Method:	Recycler
Contact:	CONCEPT CENTER CALIFORNIA INC
Telephone:	(805) 257-4139
Mailing Address:	28258 AVENUE STANFORD
	VALENCIA, CA 91355
County	Los Angeles
Gepaid:	CAL000060855
TSD EPA ID:	CAD050806850
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.2293
Waste Category:	Paint sludge
Disposal Method:	Recycler
Contact:	CONCEPT CENTER CALIFORNIA INC
Telephone:	(805) 257-4139
Mailing Address:	28258 AVENUE STANFORD
	VALENCIA, CA 91355
County	Los Angeles

CONCEPT CENTER CALIFORNIA INC (Continued) **S100627881**

Gepaid: CAL000060855
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2085
Waste Category: Paint sludge
Disposal Method: Recycler
Contact: CONCEPT CENTER CALIFORNIA INC
Telephone: (805) 257-4139
Mailing Address: 28258 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000060855
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2293
Waste Category: Paint sludge
Disposal Method: Recycler
Contact: CONCEPT CENTER CALIFORNIA INC
Telephone: (805) 257-4139
Mailing Address: 28258 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000060855
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4170
Waste Category: Paint sludge
Disposal Method: Recycler
Contact: CONCEPT CENTER CALIFORNIA INC
Telephone: (805) 257-4139
Mailing Address: 28258 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET record(s) in the EDR Site Report.

W121 **AVION TOOL MANUFACTURING** **LOS ANGELES CO. HMS** **S104536027**
ENE **28110 AVE STANFORD #E** **N/A**
> 1 **, CA**
8035 ft.

Site 1 of 10 in cluster W

Relative: **Lower**

Actual: **1054 ft.**

HMS:
Facility Id: 019470-027799
Area: 7A
Facility Type: Not reported
Permit Number: Not reported
Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

W122 **MICROWAVE COMMUNICATIONS** **HAZNET** **S103977546**
ENE **28110 AVE STANFORD** **N/A**
> 1 **SANTA CLARITA, CA 91355**
8035 ft.

Site 2 of 10 in cluster W

Relative: **Lower**

Actual: **1054 ft.**

HAZNET:
Gepaid: CAL000178756
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0425
Waste Category: Waste oil and mixed oil
Disposal Method: Treatment, Tank
Contact: MICROWAVE COMMUNICATIONS
Telephone: (805) 257-1948
Mailing Address: 24807 AVENUE TIBBITTS
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000178756
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.4595
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: MICROWAVE COMMUNICATIONS
Telephone: (805) 257-1948
Mailing Address: 24807 AVENUE TIBBITTS
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000178756
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.7213
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: MICROWAVE COMMUNICATIONS
Telephone: (805) 257-1948
Mailing Address: 24807 AVENUE TIBBITTS
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000178756
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.6755
Waste Category: Waste oil and mixed oil
Disposal Method: Treatment, Tank
Contact: MICROWAVE COMMUNICATIONS
Telephone: (805) 257-1948
Mailing Address: 24807 AVENUE TIBBITTS
VALENCIA, CA 91355
County Los Angeles

X123 | **DIXXIE DIESEL TRUCK STOP #3** | HIST UST | U001567693 / N/A
North | **29471 THE OLD ROAD**
> 1 | **SAUGUS, CA 91350**
8040 ft.

Site 1 of 2 in cluster X

Relative: **Lower**

Actual: **1020 ft.**

UST HIST:

Facility ID:	61324	Owner Name:	OLSEN GOLDEN HIGHWAY
Total Tanks:	5	Region:	STATE
Owner Address:	10636 SEPULVEDA BLVD. MISSION HILLS, CA 91345		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	1
Tank Capacity:	00010000	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	DALE BATY	Telephone:	(818) 888-7532
Facility Type:	Gas Station	Other Type:	Not reported

Facility ID:	61324	Owner Name:	OLSEN GOLDEN HIGHWAY
Total Tanks:	5	Region:	STATE
Owner Address:	10636 SEPULVEDA BLVD. MISSION HILLS, CA 91345		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	2
Tank Capacity:	00010000	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	DALE BATY	Telephone:	(818) 888-7532
Facility Type:	Gas Station	Other Type:	Not reported

Facility ID:	61324	Owner Name:	OLSEN GOLDEN HIGHWAY
Total Tanks:	5	Region:	STATE
Owner Address:	10636 SEPULVEDA BLVD. MISSION HILLS, CA 91345		
Tank Used for:	PRODUCT		
Tank Num:	3	Container Num:	3
Tank Capacity:	00010000	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	DALE BATY	Telephone:	(818) 888-7532
Facility Type:	Gas Station	Other Type:	Not reported

Facility ID:	61324	Owner Name:	OLSEN GOLDEN HIGHWAY
Total Tanks:	5	Region:	STATE
Owner Address:	10636 SEPULVEDA BLVD. MISSION HILLS, CA 91345		
Tank Used for:	PRODUCT		
Tank Num:	4	Container Num:	4
Tank Capacity:	00002000	Year Installed:	Not reported
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	DALE BATY	Telephone:	(818) 888-7532
Facility Type:	Gas Station	Other Type:	Not reported

Facility ID:	61324	Owner Name:	OLSEN GOLDEN HIGHWAY
Total Tanks:	5	Region:	STATE
Owner Address:	10636 SEPULVEDA BLVD. MISSION HILLS, CA 91345		

DIXXIE DIESEL TRUCK STOP #3 (Continued) | U001567693

Tank Used for:	PRODUCT		
Tank Num:	5	Container Num:	5
Tank Capacity:	00010000	Year Installed:	Not reported
Type of Fuel:	06	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	DALE BATY	Telephone:	(818) 888-7532
Facility Type:	Gas Station	Other Type:	Not reported

X124 | **DIXIE DIESEL STATION** | LUST | S102428845
North | **29471 THE OLD ROAD** | **Cortese** | **N/A**
> 1 | **SAUGUS, CA 91350**
8040 ft.

Site 2 of 2 in cluster X

Relative: **Lower**

Actual: **1020 ft.**

State LUST:

Cross Street:	Not reported		
Qty Leaked:	Not reported		
Case Number	I-12830		
Reg Board:	Los Angeles Region		
Chemical:	Diesel		
Lead Agency:	Local Agency		
Local Agency :	19000		
Case Type:	Other ground water affected		
Status:	Case Closed		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	1987-02-03 00:00:00	Prelim Assess:	1987-02-03 00:00:00
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	1930-06-20 00:00:00		
Monitoring:	Not reported		
Close Date:	1993-11-30 00:00:00		
Release Date:	1987-04-06 00:00:00		
Cleanup Fund Id :	Not reported		
Discover Date :	Not reported		
Enforcement Dt :	1965-01-01 00:00:00		
Enf Type:	Informal Enforcement Actions,Including Notices of Violations and Staff Enforcement Letters		
Enter Date :	Not reported		
Funding:	Federal Funds		
Staff Initials:	Not reported		
How Discovered:	Subsurface Monitoring		
How Stopped:	Not reported		
Interim :	Not reported		
Leak Cause:	UNK		
Leak Source:	UNK		
MTBE Date :	Not reported		
Max MTBE GW :	Not reported		
MTBE Tested:	Not Required to be Tested.		
Priority:	Not reported		
Local Case # :	Not reported		
Beneficial:	Not reported		
Staff :	UNK		
GW Qualifier :	Not reported		
Max MTBE Soil :	Not reported		
Soil Qualifier :	Not reported		
Hydr Basin #:	SANTA CLARA RIVER VA		
Operator :	Not reported		
Oversight Prgm:	LUST		
Review Date :	1993-11-30 00:00:00		

DIXIE DIESEL STATION (Continued) **S102428845**

Stop Date : Not reported
Work Suspended :Not reported
Responsible PartyGORTIKOV/HASLEY PA
RP Address: 15165 VENTURA BLVD, #230, SH
Global Id: T0603704004
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: CUYAPAIPE/M
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: W060730002
Waste Disch Assigned Name: 3700028-001GEN

LUST Region 4:
Report Date: 4/6/1987
Lead Agency: Local Agency
Local Agency: 19000
Substance: Diesel
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK

Date Case Last Changed on Database:	11/30/1993
Date Leak Record Entered:	Not reported
Historical Max MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil :	Not reported
County:	Los Angeles
Organization :	Not reported
Regional Board:	04
Owner Contact:	Not reported
Responsible Party:	GORTIKOV/HASLEY PARTNERS, LTD
RP Address:	15165 VENTURA BLVD, #230, SHERMAN OAKS, 91403
Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34.4680232 / -1
Local Agency Staff:	Not reported
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	Not reported
Abatement Method Used at the Site:	Excavate and Dispose
Operator :	Not reported
Water System :	CUYAPAIPE/MT. LAGUNA SYSTEM
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	1452.033932136087145347 1030342
Assigned Name :	3700028-001GEN
W Global ID :	W0607300028
Source of Cleanup Funding:	Federal Funds
Date the Leak was Discovered:	Not reported
How the Leak was Discovered:	Subsurface Monitoring
How the Leak was Stopped:	Not reported

DIXIE DIESEL STATION (Continued) **S102428845**

Cause of Leak:	UNK
Leak Source:	UNK
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	2/3/1987
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	6/20/1930
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	11/30/1993
Enforcement Action Date:	1/1/1965
Date Leak First Reported:	4/6/1987
Enforcement Type:	IEA
Global ID :	T0603704004
Cross Street:	Not reported

Summary : 2215 MG/KG TPH IN SOIL AT 10'. 5 MG/L TPH IN WATER REPORTED 1/29/91 2ND LEAK

OLD CASE #021089-08

CORTESE:
Region: CORTESE
Fac Address 2: 29471 THE OLD ROAD

U125
NE
> 1
8042 ft.

R A H COMPANY HAZNET S103983313
26037 HUNTINGTON DRIVE N/A
VALENCIA, CA 91355

Site 5 of 8 in cluster U

Relative:
Lower

Actual:
1048 ft.

HAZNET:

Gepaid:	CAC001177032
TSD EPA ID:	CAD050806850
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.4025
Waste Category:	Off-specification, aged, or surplus organics
Disposal Method:	Transfer Station
Contact:	BOB WEESNER
Telephone:	(661) 295-5190
Mailing Address:	26037 HUNTINGTON DRIVE
	VALENCIA, CA 91355
County	Los Angeles

Gepaid:	CAC001177032
TSD EPA ID:	CAT000613976
Gen County:	Los Angeles
Tsd County:	Orange
Tons:	1.0215
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Transfer Station
Contact:	BOB WEESNER
Telephone:	(661) 295-5190
Mailing Address:	26037 HUNTINGTON DRIVE
	VALENCIA, CA 91355
County	Los Angeles

R A H COMPANY (Continued) — **S103983313**

Gepaid: CAC001486712
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8340
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: BOB WEESNER
Telephone: (805) 295-5190
Mailing Address: 26037 HUNTINGTON LANE
VALENCIA, CA 91355
County: Los Angeles

U126 — **R A H INDUSTRIES** — RCRIS-SQG 1004677115 / FINDS CAR000093393
NE
> 1
8042 ft.
26037 HUNTINGTON LN
VALENCIA, CA 91355

Relative: Lower
Actual: 1048 ft.

Site 6 of 8 in cluster U

RCRIS:
Owner: R A H INDUSTRIES
(661) 295-5190
EPA ID: CAR000093393
Contact: RICHARD CESPO
(661) 295-5190
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

U127 — **RAH INDUSTRIES** — LOS ANGELES CO. HMS S103945411 / N/A
NE
> 1
8042 ft.
26037 HUNTINGTON LN
, CA

Relative: Lower
Actual: 1048 ft.

Site 7 of 8 in cluster U

HMS:
Facility Id: 019998-028522
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

U128 — **RAH INDUSTRIES** — HAZNET S105726475 / N/A
NE
> 1
8042 ft.
26037 HUNTINGTON LN
VALENCIA, CA 91355

Relative: Lower
Actual: 1048 ft.

Site 8 of 8 in cluster U

HAZNET:
Gepaid: CAR000093393
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.10
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Contact: ERICA CONTRERAS
Telephone: (661) 295-5190
Mailing Address: 26037 HUNTINGTON LN
VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000093393
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.20
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: ERICA CONTRERAS
Telephone: (661) 295-5190
Mailing Address: 26037 HUNTINGTON LN
VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000093393
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 1.32
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: ERICA CONTRERAS
Telephone: (661) 295-5190
Mailing Address: 26037 HUNTINGTON LN
VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000093393
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 1.81
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: ERICA CONTRERAS
Telephone: (661) 295-5190
Mailing Address: 26037 HUNTINGTON LN
VALENCIA, CA 91355
County: Not reported

RAH INDUSTRIES (Continued) — **S105726475**

Gepaid: CAR000093393
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.04
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: ERICA CONTRERAS
Telephone: (661) 295-5190
Mailing Address: 26037 HUNTINGTON LN
VALENCIA, CA 91355
County: Not reported

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129 | **WESTERN FILTER CORP** | **LOS ANGELES CO. HMS** | **U003064190** / **N/A**
NE | **26235 TECHNOLOGY DR**
> 1 | **, CA**
8050 ft.

Relative: Lower
Actual: 1039 ft.

HMS:
Facility Id: 008560-I15446
Area: 7A
Facility Type: I01
Permit Number: 00012391B — Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

Y130 | **APPLIED ENVIRO. TECH.** | **LOS ANGELES CO. HMS** | **S103945376** / **N/A**
ENE | **25709 RYE CANYON RD**
> 1 | **, CA**
8051 ft.

Site 1 of 12 in cluster Y

Relative: Lower
Actual: 1057 ft.

HMS:
Facility Id: 020198-028775
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Y131 | **ALLIED SIGNAL AUTOMOTIVE** | **HAZNET** | **S104580644** / **N/A**
ENE | **25709 RYE CANYON RD, #120B**
> 1 | **VALENCIA, CA 91355**
8051 ft.

Site 2 of 12 in cluster Y

Relative: Lower
Actual: 1057 ft.

HAZNET:
Gepaid: CAL000174271
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.1251
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: ALLIED SIGNAL AUTOMOTIVE INC
Telephone: (000) 000-0000
Mailing Address: 25709 RYE CANYON RD # 120B

ALLIED SIGNAL AUTOMOTIVE (Continued) — **S104580644**

VALENCIA, CA 91355 - 1113
County: Los Angeles

Gepaid: CAL000174271
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.06
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: SCOTT DEARDORF/ENGINEERING
Telephone: (805) 257-0813
Mailing Address: 25709 RYE CANYON RD # 120B
VALENCIA, CA 91355 - 1113
County: Not reported

Y132 | **XMI CORP** | **HAZNET** | **S103996423** / **N/A**
ENE | **25709 RYE CANYON ROAD**
> 1 | **VALENCIA, CA 91355**
8051 ft.

Site 3 of 12 in cluster Y

Relative: Lower
Actual: 1057 ft.

HAZNET:
Gepaid: CAL000167796
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2293
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: ALLEN PLOUFF
Telephone: (818) 703-6761
Mailing Address: 25709 RYE CANYON RD
VALENCIA, CA 91355 - 1113
County: Los Angeles

Gepaid: CAL000167796
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1251
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: ALLEN PLOUFF
Telephone: (818) 703-6761
Mailing Address: 25709 RYE CANYON RD
VALENCIA, CA 91355 - 1113
County: Los Angeles

Gepaid: CAL000167796
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1251
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: ALLEN PLOUFF
Telephone: (818) 703-6761
Mailing Address: 25709 RYE CANYON RD
VALENCIA, CA 91355 - 1113

XMI CORP (Continued) — S103996423

County: Los Angeles

Y133 — **HR TEXTRON** — LOS ANGELES CO. HMS — S104538094 / N/A
ENE, > 1, 8051 ft.
25709 RYE CANYON RD
, CA

Relative: Lower
Actual: 1057 ft.

Site 4 of 12 in cluster Y

HMS:
- Facility Id: 001929-I02004
- Area: 7A
- Facility Type: I02
- Permit Number: 000009573 — Permit Status: Closed
- Facility Status: Closed
- Region: Los Angeles County:

Y134 — **NEWHALL LAND & FARMING CO** — LOS ANGELES CO. HMS — S105193859 / N/A
ENE, > 1, 8051 ft.
25709 RYE CANYON RD
, CA

Relative: Lower
Actual: 1057 ft.

Site 5 of 12 in cluster Y

HMS:
- Facility Id: 001929-021971
- Area: 7A
- Facility Type: I02
- Permit Number: 000106523 — Permit Status: Closed
- Facility Status: Closed
- Region: Los Angeles County:

Z135 — **MOBIL OIL CORP, WEST COAST PIP** — EMI — S105256292 / N/A
East, > 1, 8074 ft.
25500 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 91355

Relative: Lower
Actual: 1081 ft.

Site 1 of 8 in cluster Z

EMISSIONS:

Facility ID :	12261
Air District Code :	SC
SIC Code :	5171
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	19
County ID :	19

Z136 — **MOBIL OIL CORP, NEWHALL STA (E** — EMI — S105938712 / N/A
East, > 1, 8074 ft.
25500 MAGIC MOUNTAIN PARKWAY
VALENCIA, CA 90503

Relative: Lower
Actual: 1081 ft.

Site 2 of 8 in cluster Z

EMISSIONS:

Facility ID :	800094
Air District Code :	SC
SIC Code :	4612
Total Priority Score :	Not reported
Health Risk Assessment :	Not reported
Non-cancer Chronic Haz Index :	Not reported
Non-cancer Acute Haz Index :	Not reported
Air Basin :	SC
Air District Name :	SOUTH COAST AQMD
Community Health Air Pollution Info System :	Not reported
Consolidated Emission Reporting Rule :	Not reported
County Code :	19
County ID :	19

Z137 — **NEWHALL STATION** — AST — A100176432 / N/A
East, > 1, 8074 ft.
25500 MAGIC MOUNTAIN PKWY.
VALENCIA, CA 91321

Relative: Lower
Actual: 1081 ft.

Site 3 of 8 in cluster Z

AST:
- Owner: EXXONMOBIL OIL CORP.
- Total Gallons: 1554000

Z138 — **MOBIL OIL NEWHALL ST.** — FINDS — 1004442609 / 110001200600
East, > 1, 8074 ft.
25500 MAGIC MTN PKWY
VALENCIA, CA 91355

Relative: Lower
Actual: 1081 ft.

Site 4 of 8 in cluster Z

FINDS:
Other Pertinent Environmental Activity Identified at Site:
- Aerometric Information Retrieval System/AIRS Facility Subsystem
- National Emissions Inventory

AA139 — **BUGBOY** — HAZNET — S103647422 / N/A
NE, > 1, 8105 ft.
26027 HUNTINGTON
VALENCIA, CA 91355

Relative: Lower
Actual: 1049 ft.

Site 1 of 8 in cluster AA

HAZNET:
- Gepaid: CAC001370488
- TSD EPA ID: CAD982444481
- Gen County: Los Angeles
- Tsd County: San Bernardino
- Tons: .2085
- Waste Category: Latex waste
- Disposal Method: Transfer Station
- Contact: BUGBOY
- Telephone: (805) 294-1915
- Mailing Address: 26027 HUNTINGTON VALENCIA, CA 91355

BUGBOY (Continued) **S103647422**

County Los Angeles

Y140 **SEMCO INSTRUMENTS INC** **RCRIS-SQG** **1000176839**
ENE **25702 RYE CANYON RD** **FINDS** **CAD982408528**
> 1 **VALENCIA, CA 91355** **HAZNET**
8108 ft.

Site 6 of 12 in cluster Y

Relative: Lower

Actual: 1057 ft.

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD982408528
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD982408528
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.7313
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Contact: SEMCO INSTRUMENTS INC
Telephone: (000) 000-0000
Mailing Address: 25702 RYE CANYON RD
VALENCIA, CA 91355 - 1134
County Los Angeles

Gepaid: CAD982408528
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3325
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Contact: SEMCO INSTRUMENTS INC
Telephone: (000) 000-0000
Mailing Address: 25702 RYE CANYON RD
VALENCIA, CA 91355 - 1134
County Los Angeles

Gepaid: CAD982408528
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2293
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Contact: SEMCO INSTRUMENTS INC
Telephone: (000) 000-0000
Mailing Address: 25702 RYE CANYON RD

SEMCO INSTRUMENTS INC (Continued) **1000176839**

VALENCIA, CA 91355 - 1134
County Los Angeles

Gepaid: CAD982408528
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0100
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: SEMCO INSTRUMENTS INC
Telephone: (000) 000-0000
Mailing Address: 25702 RYE CANYON RD
VALENCIA, CA 91355 - 1134
County Los Angeles

Gepaid: CAD982408528
TSD EPA ID: CAD089446710
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3961
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Contact: SEMCO INSTRUMENTS INC
Telephone: (000) 000-0000
Mailing Address: 25702 RYE CANYON RD
VALENCIA, CA 91355 - 1134
County Los Angeles

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET record(s) in the EDR Site Report.

AB141 **OMS ELECTRONIC INC.** **LOS ANGELES CO. HMS** **S103945591**
NE **28170 AVE CROCKER 107** **N/A**
> 1 **, CA**
8124 ft.

Site 1 of 3 in cluster AB

Relative: Lower

Actual: 1050 ft.

HMS:
Facility Id: 019383-027705
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Y142 **SEMCO INSTRUMENTS INC.** **LOS ANGELES CO. HMS** **S103945375**
ENE **25700 RYE CANYON RD** **N/A**
> 1 **, CA**
8126 ft.

Site 7 of 12 in cluster Y

Relative: Lower

Actual: 1057 ft.

HMS:
Facility Id: 020197-028774
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AB143 **RONS GEN SHEET METAL** **LOS ANGELES CO. HMS** **S103945587**
NE **28150 AVE CROCKER #D** **N/A**
> 1 **, CA**
8134 ft.

Site 2 of 3 in cluster AB

Relative: **Lower**

Actual: **1051 ft.**

HMS:
Facility Id: 019379-027701
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Y144 **H R TEXTRON INC BLDG 11** **RCRIS-SQG** **1000420282**
ENE **25709 W RYE CYN ROAD** **FINDS** **CAT000625152**
> 1 **VALENCIA, CA 91355**
8136 ft.

Site 8 of 12 in cluster Y

Relative: **Lower**

Actual: **1057 ft.**

RCRIS:
Owner: H R TEXTRON INC
(805) 259-4030
EPA ID: CAT000625152
Contact: JEFFREY WHEELER
(805) 253-5272
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

AB145 **POLYCARBON INC** **LOS ANGELES CO. HMS** **S102064547**
NE **28140 AVE STANFORD** **N/A**
> 1 **, CA**
8138 ft.

Site 3 of 3 in cluster AB

Relative: **Lower**

Actual: **1052 ft.**

HMS:
Facility Id: 016440-021736
Area: 7A
Facility Type: I04
Permit Number: 000106710 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

W146 **TEAGUE CUSTOM MARINE INC** **HAZNET** **S104536028**
NE **28115 AVE STANFORD** **LOS ANGELES CO. HMS** **N/A**
> 1 **VALENCIA, CA 91355**
8161 ft.

Site 3 of 10 in cluster W

Relative: **Lower**

Actual: **1053 ft.**

HAZNET:
Gepaid: CAL000244861
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.37
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Contact: SUSAN ARMENDARIZ
Telephone: (661) 295-7000
Mailing Address: 28115 AVE STANFORD
VALENCIA, CA 91355
County Not reported

HMS:
Facility Id: 006691-I06916
Area: 7A
Facility Type: I01
Permit Number: 00009389A Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

W147 **ELEC-TROL INC** **LOS ANGELES CO. HMS** **S102064543**
NE **28115 AVE STANFORD** **N/A**
> 1 **, CA**
8161 ft.

Site 4 of 10 in cluster W

Relative: **Lower**

Actual: **1053 ft.**

HMS:
Facility Id: 006691-006916
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

W148 **H R TEXTRON** **RCRIS-SQG** **1000133693**
NE **28113-28115 AVENUE STANFORD** **FINDS** **CAD981391501**
> 1 **VALENCIA, CA 91355**
8162 ft.

Site 5 of 10 in cluster W

Relative: **Lower**

Actual: **1053 ft.**

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	H R TEXTRON (Continued)		**1000133693**

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD981391501
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory
Resource Conservation and Recovery Act Information system

AA149 **AVIATION INDUSTRY REPAIR INC** HAZNET S105725441
NE **26017 HUNTINGTON LANE UNIT E** N/A
> 1 **VALENCIA, CA 91355**
8171 ft.

Site 2 of 8 in cluster AA

Relative: **Lower**

Actual: **1049 ft.**

HAZNET:
Gepaid: CAL000222852
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.93
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Contact: DON MURRAY
Telephone: (661) 702-1114
Mailing Address: 26017 HUNTINGTON LANE UNIT E
VALENCIA, CA 91355
County Not reported

Gepaid: CAL000222852
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.25
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Recycler
Contact: DON MURRAY
Telephone: (661) 702-1114
Mailing Address: 26017 HUNTINGTON LANE UNIT E
VALENCIA, CA 91355
County Not reported

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number

V150 **RAYMOND SCURRIA** LOS ANGELES CO. HMS S105570364
NNE **28486 WESTINGHOUSE PL** N/A
> 1 **, CA**
8171 ft.

Site 2 of 2 in cluster V

Relative: **Lower**

Actual: **1045 ft.**

HMS:
Facility Id: 027009-037865
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: Permit
Region: Los Angeles County:

AA151 **PACIFIC TECHNICAL PROD. CORP.** LOS ANGELES CO. HMS S103945408
NE **26017 HUNTINGTON LN** N/A
> 1 **, CA**
8171 ft.

Site 3 of 8 in cluster AA

Relative: **Lower**

Actual: **1049 ft.**

HMS:
Facility Id: 019994-028517
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

W152 **SUNVAIR INC** HAZNET S103649211
ENE **28079 AVE STANFORD** N/A
> 1 **VALENCIA, CA 91355**
8174 ft.

Site 6 of 10 in cluster W

Relative: **Lower**

Actual: **1054 ft.**

HAZNET:
Gepaid: CAL000040553
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.6000
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Contact: JOHN WASCHAK
Telephone: (000) 000-0000
Mailing Address: 28079 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000040553
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 1.7500
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: JOHN WASCHAK
Telephone: (000) 000-0000
Mailing Address: 28079 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

SUNVAIR INC (Continued) **S103649211**

Gepaid: CAL000040553
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .3000
Waste Category: Other organic solids
Disposal Method: Not reported
Contact: JOHN WASCHAK
Telephone: (000) 000-0000
Mailing Address: 28079 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000040553
TSD EPA ID: CAD097030993
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .7000
Waste Category: Other organic solids
Disposal Method: Not reported
Contact: JOHN WASCHAK
Telephone: (000) 000-0000
Mailing Address: 28079 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000040553
TSD EPA ID: CAD981696420
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.1892
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Contact: JOHN WASCHAK
Telephone: (000) 000-0000
Mailing Address: 28079 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET record(s) in the EDR Site Report.

W153 **SUNVAIR** **LOS ANGELES CO. HMS** **U003063075**
ENE **28079 AVE STANFORD #A** **N/A**
> 1 **, CA**
8174 ft.

Site 7 of 10 in cluster W

Relative: Lower

Actual: 1054 ft.

HMS:
Facility Id: 007273-I07612
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

W154 **XCELDYNE ENGINEERING, INC** **LOS ANGELES CO. HMS** **S104536026**
ENE **28059 AVE STANFORD** **N/A**
> 1 **, CA**
8188 ft.

Site 8 of 10 in cluster W

Relative: Lower

Actual: 1055 ft.

HMS:
Facility Id: 019467-027796
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

W155 **PRECISION CENTER MANUFACTURING INC** **HAZNET** **S103982408**
ENE **28064 AVENUE STANFORD STE J** **N/A**
> 1 **VALENCIA, CA 91355**
8191 ft.

Site 9 of 10 in cluster W

Relative: Lower

Actual: 1055 ft.

HAZNET:
Gepaid: CAL000140523
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8048
Waste Category: Oil/water separation sludge
Disposal Method: Transfer Station
Contact: PRECISION CTR MANUFACTURING
Telephone: (805) 775-9914
Mailing Address: 28064 AVENUE STANFORD STE J
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000140523
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 4.1074
Waste Category: Oil/water separation sludge
Disposal Method: Transfer Station
Contact: PRECISION CTR MANUFACTURING
Telephone: (805) 775-9914
Mailing Address: 28064 AVENUE STANFORD STE J
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000140523
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.23
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Contact: ARIEL ARIAS-MGR
Telephone: (661) 775-9914
Mailing Address: 28064 AVENUE STANFORD STE J
VALENCIA, CA 91355
County Not reported

PRECISION CENTER MANUFACTURING INC (Continued) S103982408

Gepaid: CAL000140523
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 0.12
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: ARIEL ARIAS-MGR
Telephone: (661) 775-9914
Mailing Address: 28064 AVENUE STANFORD STE J
VALENCIA, CA 91355
County Not reported

Gepaid: CAL000140523
TSD EPA ID: CAT000613976
Gen County: Los Angeles
Tsd County: Orange
Tons: .0667
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: PRECISION CTR MANUFACTURING
Telephone: (805) 775-9914
Mailing Address: 28064 AVENUE STANFORD STE J
VALENCIA, CA 91355
County Los Angeles

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET record(s) in the EDR Site Report.

W156 **TRANSPARENT PRODUCTS INC** LOS ANGELES CO. HMS S102229792
ENE **28064 AVE STANFORD #E** N/A
> 1 **, CA**
8191 ft.

Site 10 of 10 in cluster W

Relative: Lower

HMS:
Facility Id: 017352-023524
Area: 7A
Actual: 1055 ft. Facility Type: I01
Permit Number: 000161444 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

AC157 **ROGERS TOOL & DIE** LOS ANGELES CO. HMS S103945562
ENE **28042 AVE STANFORD #C** N/A
> 1 **, CA**
8201 ft.

Site 1 of 4 in cluster AC

Relative: Lower

HMS:
Facility Id: 019465-027794
Area: 7A
Actual: 1056 ft. Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AC158 **APPLIED COMPANIES** LOS ANGELES CO. HMS S103945559
ENE **28026 AVE STANFORD** N/A
> 1 **, CA**
8219 ft.

Site 2 of 4 in cluster AC

Relative: Lower

HMS:
Facility Id: 019462-027791
Area: 7A
Actual: 1057 ft. Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AC159 **FOXBORO COMPANY THE** RCRIS-SQG 1000164392
ENE **28020 AVE STANFORD** FINDS CAD981394760
> 1 **VALENCIA, CA 91355**
8227 ft.

Site 3 of 4 in cluster AC

Relative: Lower

RCRIS:
Owner: FOXBORO COMPANY THE
(415) 555-1212
Actual: 1057 ft. EPA ID: CAD981394760
Contact: ENVIRONMENTAL MANAGER
(805) 257-4200
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act information system

AC160 **X O TECHNOLOGIES** LOS ANGELES CO. HMS U002281334
ENE **28020 AVE STANFORD** N/A
> 1 **, CA**
8227 ft.

Site 4 of 4 in cluster AC

Relative: Lower

HMS:
Facility Id: 007539-I07929
Area: 7A
Actual: 1057 ft. Facility Type: I01
Permit Number: 000009151 Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

Facility Id: 007539-020103
Area: 7A
Facility Type: I01
Permit Number: 000012241 Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

AA151
NE
> 1
8234 ft.

Relative:
Lower

Actual:
1049 ft.

MICROWAVE COMMUNICATIONS CORP — HAZNET — S103647367
26007 HUNTINGTON LN #11 — N/A
VALENCIA, CA 91355

Site 4 of 8 in cluster AA

HAZNET:
Gepaid: CAL000075102
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2251
Waste Category: Liquids with cyanides > 1000 mg/l
Disposal Method: Recycler
Contact: MICROWAVE COMMUNICATIONS CORP
Telephone: (000) 000-0000
Mailing Address: 28110 AVENUE STANFORD UNIT D
VALENCIA, CA 91355 - 1161
County Los Angeles

Gepaid: CAL000075102
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1251
Waste Category: Liquids with pH <UN-> 2
Disposal Method: Treatment, Incineration
Contact: MICROWAVE COMMUNICATIONS CORP
Telephone: (000) 000-0000
Mailing Address: 28110 AVENUE STANFORD UNIT D
VALENCIA, CA 91355 - 1161
County Los Angeles

Gepaid: CAL000075102
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2251
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Treatment, Tank
Contact: MICROWAVE COMMUNICATIONS CORP
Telephone: (000) 000-0000
Mailing Address: 28110 AVENUE STANFORD UNIT D
VALENCIA, CA 91355 - 1161
County Los Angeles

Gepaid: CAL000075102
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4503
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Contact: MICROWAVE COMMUNICATIONS CORP
Telephone: (000) 000-0000
Mailing Address: 28110 AVENUE STANFORD UNIT D
VALENCIA, CA 91355 - 1161
County Los Angeles

MICROWAVE COMMUNICATIONS CORP (Continued) — S103647367

Gepaid: CAL000075102
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1000
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: MICROWAVE COMMUNICATIONS CORP
Telephone: (000) 000-0000
Mailing Address: 28110 AVENUE STANFORD UNIT D
VALENCIA, CA 91355 - 1161
County Los Angeles

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2 additional CA HAZNET record(s) in the EDR Site Report.

AA162
NE
> 1
8234 ft.

Relative:
Lower

Actual:
1049 ft.

MIKE MANNING — RCRIS-SQG — 1000595957
26007 HUNTINGTON LN — FINDS — CAD983599150
VALENCIA, CA 91355 — HAZNET

Site 5 of 8 in cluster AA

RCRIS:
Owner: SUN AIR PARTS INC
(415) 555-1212
EPA ID: CAD983599150

Contact: MIKE MANNING
(805) 294-0800

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD983599150
TSD EPA ID: CAD093459485
Gen County: Los Angeles
Tsd County: Fresno
Tons: 0.0625
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Contact: SUN AIR PARTS INC
Telephone: (805) 294-0800
Mailing Address: 26007 HUNTINGTON LN
VALENCIA, CA 91355 - 1156
County Los Angeles

AA163 **STEFCO PRECISION INC** LOS ANGELES CO. HMS S103945405
NE **26007 HUNTINGTON LN 3** N/A
> 1 **, CA**
8234 ft.

Site 6 of 8 in cluster AA

Relative: Lower

Actual: 1049 ft.

HMS:
Facility Id: 019993-028515
Area: 7A
Facility Type: Not reported
Permit Number: Not reported
Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AA164 **MOUNTAIN MECHANICAL** LOS ANGELES CO. HMS S103945404
NE **26007 HUNTINGTON LN 6** N/A
> 1 **, CA**
8234 ft.

Site 7 of 8 in cluster AA

Relative: Lower

Actual: 1049 ft.

HMS:
Facility Id: 019992-028514
Area: 7A
Facility Type: Not reported
Permit Number: Not reported
Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AA165 **ELECTRO-DIAGNOSTIC INSTRUMENTS** LOS ANGELES CO. HMS S103945403
NE **26007 HUNTINGTON LN 11** N/A
> 1 **, CA**
8234 ft.

Site 8 of 8 in cluster AA

Relative: Lower

Actual: 1049 ft.

HMS:
Facility Id: 019991-028513
Area: 7A
Facility Type: Not reported
Permit Number: Not reported
Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Z166 CHMIRS S100222819
East **S/B I-5 @ MAGIC MOUNTAIN PARKWAY** N/A
> 1 **VALENCIA, CA**
8241 ft.

Site 5 of 8 in cluster Z

Relative: Lower

Actual: 1090 ft.

CHMIRS:

OES Control Number:	9991725
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	Freeway
Incident Date:	26-MAR-88
Date Completed:	26-MAR-88
Time Completed :	850
Agency Id Number :	19110
Agency Incident Number :	76-17
OES Incident Number :	9991725
Time Notified :	658

(Continued) S100222819

Surrounding Area :	961
Estimated Temperature :	Not reported
Property Management :	S
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	Not reported
Resp Agncy Personel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported
Others Number Of Injuries :	Not reported
Others Number Of Fatalities :	Not reported
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	J EVERETT
Report Date :	26-MAR-88
Comments :	No
Facility Telephone Number :	213 267-2485
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported
True date :	Not reported
Year :	88-92
Agency :	Not reported
BBLS :	Not reported
Cups :	Not reported
CUFT :	Not reported
Gallons :	Not reported
Grams :	Not reported
Pounds :	Not reported
Liters :	Not reported
Ounces :	Not reported
Pints :	Not reported
Quarts :	Not reported
Sheen :	Not reported
Tons :	Not reported
Unknown :	Not reported
Description :	Not reported
Incident date :	Not reported

(Continued) S100222819

Admin Agency :	Not reported
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

Z167 CHMIRS S100222855
East **I-5 N/O MAGIC MTN PRKWY** N/A
> 1 **VALENCIA, CA**
8241 ft.

Site 6 of 8 in cluster Z

Relative: **Lower**

Actual: **1090 ft.**

CHMIRS:

OES Control Number:	9991761
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	099
Incident Date:	27-MAY-88
Date Completed:	27-MAY-88
Time Completed :	720
Agency Id Number :	19110
Agency Incident Number :	76-31
OES Incident Number :	9991761
Time Notified :	535
Surrounding Area :	099
Estimated Temperature :	Not reported
Property Management :	S
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	Not reported
Responding Agency Personel # Of Fatalities :	Not reported
Resp Agncy Personel # Of Decontaminated :	Not reported
Others Number Of Decontaminated :	Not reported
Others Number Of Injuries :	Not reported
Others Number Of Fatalities :	Not reported
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	L MOHR
Report Date :	27-MAY-88
Comments :	Yes
Facility Telephone Number :	213 267-2485
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported

(Continued) S100222855

Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported
True date :	Not reported
Year :	88-92
Agency :	Not reported
BBLS :	Not reported
Cups :	Not reported
CUFT :	Not reported
Gallons :	Not reported
Grams :	Not reported
Pounds :	Not reported
Liters :	Not reported
Ounces :	Not reported
Pints :	Not reported
Quarts :	Not reported
Sheen :	Not reported
Tons :	Not reported
Unknown :	Not reported
Description :	Not reported
Incident date :	Not reported
Admin Agency :	Not reported
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

Z168 CHMIRS S100221563
East **I-5 N/B NO/MAGIC MTN CHP SCALES** N/A
> 1 **SANTA CLARITA, CA 91355**
8242 ft.

Site 7 of 8 in cluster Z

Relative: **Lower**

Actual: **1091 ft.**

CHMIRS:

OES Control Number:	9099549
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	099
Incident Date:	19-SEP-90
Date Completed:	19-SEP-90
Time Completed :	330
Agency Id Number :	19110
Agency Incident Number :	UNKNOWN
OES Incident Number :	9099549
Time Notified :	33
Surrounding Area :	961
Estimated Temperature :	65
Property Management :	S
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	0
Others Number Of Decontaminated :	0
Others Number Of Injuries :	0

(Continued) **S100221563**

Others Number Of Fatalities :	0
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	CAPT. JOHN W. EVERETT
Report Date :	20-SEP-90
Comments :	Yes
Facility Telephone Number :	213 267-2401
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported
True date :	Not reported
Year :	88-92
Agency :	Not reported
BBLS :	Not reported
Cups :	Not reported
CUFT :	Not reported
Gallons :	Not reported
Grams :	Not reported
Pounds :	Not reported
Liters :	Not reported
Ounces :	Not reported
Pints :	Not reported
Quarts :	Not reported
Sheen :	Not reported
Tons :	Not reported
Unknown :	Not reported
Description :	Not reported
Incident date :	Not reported
Admin Agency :	Not reported
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

Z169
East
> 1
8249 ft.

Relative:
Lower

Actual:
1091 ft.

I-5 S/SR 126 CASTAIC INSP. FACILITY
SANTA CLARITA, CA

Site 8 of 8 in cluster Z

CHMIRS **S100218986**
N/A

CHMIRS:

OES Control Number:	8910865
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	099
Incident Date:	06-NOV-89

(Continued) **S100218986**

Date Completed:	06-NOV-89
Time Completed :	1430
Agency Id Number :	66
Agency Incident Number :	302
OES Incident Number :	8910865
Time Notified :	1255
Surrounding Area :	961
Estimated Temperature :	Not reported
Property Management :	S
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	0
Others Number Of Decontaminated :	0
Others Number Of Injuries :	0
Others Number Of Fatalities :	0
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	160585
Company Name :	CHEMICAL TRANS
Reporting Officer Name/ID :	L. ACEVEDO #8721
Report Date :	21-DEC-89
Comments :	Not reported
Facility Telephone Number :	916 327-3310
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported
True date :	Not reported
Year :	88-92
Agency :	Not reported
BBLS :	Not reported
Cups :	Not reported
CUFT :	Not reported
Gallons :	Not reported
Grams :	Not reported
Pounds :	Not reported
Liters :	Not reported
Ounces :	Not reported
Pints :	Not reported

(Continued) S100218986

Quarts : Not reported
Sheen : Not reported
Tons : Not reported
Unknown : Not reported
Description : Not reported
Incident date : Not reported
Admin Agency : Not reported
OES date : Not reported
OES time : Not reported
Amount : Not reported

AD170 **R A H INDUSTRIES** RCRIS-SQG 1004677606
NW **28035 HARRISON PKWY** FINDS CAR000099523
> 1 **VALENCIA, CA 91355** HAZNET
8249 ft.

Site 1 of 2 in cluster AD

Relative: Lower

Actual: 1054 ft.

RCRIS:
Owner: R A H INDUSTRIES INC
(661) 295-5190
EPA ID: CAR000099523

Contact: RICHARD CRESPO
(661) 295-5190

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act information system

HAZNET:
Gepaid: CAR000099523
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.27
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: Richard Crespo
Telephone: (661) 295-5190
Mailing Address: 28035 Harrison Pkwy
Valencia, CA 91355
County Not reported

Gepaid: CAR000099523
TSD EPA ID: Not reported
Gen County: Not reported
Tsd County: Not reported
Tons: 0.69
Waste Category: Waste oil and mixed oil
Disposal Method: Not reported
Contact: Richard Crespo
Telephone: (661) 295-5190
Mailing Address: 28035 Harrison Pkwy
Valencia, CA 91355
County Not reported

R A H INDUSTRIES (Continued) 1004677606

Gepaid: CAR000099523
TSD EPA ID: Not reported
Gen County: Not reported
Tsd County: Not reported
Tons: 0.69
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Contact: Richard Crespo
Telephone: (661) 295-5190
Mailing Address: 28035 Harrison Pkwy
Valencia, CA 91355
County Not reported

AD171 **EMCO** HAZNET S106092383
NW **28045 W HARRISON PKWY** N/A
> 1 **VALENCIA, CA 91355**
8261 ft.

Site 2 of 2 in cluster AD

Relative: Lower

Actual: 1053 ft.

HAZNET:
Gepaid: CAL000229937
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.34
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: MATT HAY
Telephone: (661) 294-9966
Mailing Address: 28045 W HARRISON PKWY
VALENCIA, CA 91355
County Not reported

Y172 **WAYNE CRAWFORD** LOS ANGELES CO. HMS S102064394
ENE **25572 AVE STANFORD** N/A
> 1 **, CA**
8269 ft.

Site 9 of 12 in cluster Y

Relative: Lower

Actual: 1058 ft.

HMS:
Facility Id: 000423-021063
Area: 7A
Facility Type: I02
Permit Number: 000073101 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

Y173 **MINNIE POPE** LOS ANGELES CO. HMS U003056862
ENE **25572 AVE STANFORD** N/A
> 1 **, CA**
8269 ft.

Site 10 of 12 in cluster Y

Relative: Lower

Actual: 1058 ft.

HMS:
Facility Id: 000423-I00425
Area: 7A
Facility Type: I02

MINNIE POPE (Continued) U003056862

Permit Number: 000012521 Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

Y174 **M W SAUSSE & CO, INC** RCRIS-SQG 1000131056
ENE **25590 W AVE STANFORD** FINDS CAD981461999
> 1 **VALENCIA, CA 91355** HAZNET
8269 ft.

Site 11 of 12 in cluster Y

Relative:
Lower

Actual:
1058 ft.

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD981461999

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD981461999
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2350
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: M W SAUSSE' & CO INC
Telephone: (000) 000-0000
Mailing Address: 25590 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAD981461999
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2000
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: M W SAUSSE' & CO INC
Telephone: (000) 000-0000
Mailing Address: 25590 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

M W SAUSSE & CO, INC (Continued) 1000131056

Gepaid: CAD981461999
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 0.2
Waste Category: Unspecified oil-containing waste
Disposal Method: Transfer Station
Contact: RANDY A. FROEMMING
Telephone: (661) 257-3311
Mailing Address: 25590 AVENUE STANFORD
VALENCIA, CA 91355
County Not reported

Gepaid: CAD981461999
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.67
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Contact: RANDY A. FROEMMING
Telephone: (661) 257-3311
Mailing Address: 25590 AVENUE STANFORD
VALENCIA, CA 91355
County Not reported

Gepaid: CAD981461999
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.8785
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Contact: M W SAUSSE' & CO INC
Telephone: (000) 000-0000
Mailing Address: 25590 AVENUE STANFORD
VALENCIA, CA 91355
County Los Angeles

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET record(s) in the EDR Site Report.

Y175 **H R TEXTRON INC BLDG 10** RCRIS-SQG 1000420283
ENE **25572 AVE STANFORD** FINDS CAT000625251
> 1 **VALENCIA, CA 91355**
8269 ft.

Site 12 of 12 in cluster Y

Relative:
Lower

Actual:
1058 ft.

H R TEXTRON INC BLDG 10 (Continued) **1000420283**

RCRIS:
Owner: H R TEXTRON INC
(805) 259-4030
EPA ID: CAT000625251
Contact: JEFFREY WHEELER
(805) 253-5272
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

AE176 **PARAGON-PRECISION PRODUCTS** **HAZNET** **S103647538**
NE **26150 W TECHNOLOGY DRIVE** **N/A**
> 1 **VALENCIA, CA 91355**
8296 ft.

Site 1 of 5 in cluster AE

Relative:
Lower

Actual:
1046 ft.

HAZNET:
Gepaid: CAL000039374
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 8.4442
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: KLEINERT INDUSTRIES
Telephone: (000) 000-0000
Mailing Address: 26150 TECHNOLOGY DR # W
VALENCIA, CA 91355 - 1146
County Los Angeles

Gepaid: CAL000039374
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 4.9414
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Contact: KLEINERT INDUSTRIES
Telephone: (000) 000-0000
Mailing Address: 26150 TECHNOLOGY DR # W
VALENCIA, CA 91355 - 1146
County Los Angeles

Gepaid: CAL000039374
TSD EPA ID: CAT000613976
Gen County: Los Angeles
Tsd County: Orange
Tons: .5629
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Contact: KLEINERT INDUSTRIES
Telephone: (000) 000-0000
Mailing Address: 26150 TECHNOLOGY DR # W

PARAGON-PRECISION PRODUCTS (Continued) **S103647538**

VALENCIA, CA 91355 - 1146
County Los Angeles

Gepaid: CAL000039374
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .5794
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: KLEINERT INDUSTRIES
Telephone: (000) 000-0000
Mailing Address: 26150 TECHNOLOGY DR # W
VALENCIA, CA 91355 - 1146
County Los Angeles

Gepaid: CAL000039374
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0625
Waste Category: Organic liquids with metals Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Transfer Station
Contact: KLEINERT INDUSTRIES
Telephone: (000) 000-0000
Mailing Address: 26150 TECHNOLOGY DR # W
VALENCIA, CA 91355 - 1146
County Los Angeles

Click this hyperlink while viewing on your computer to access
28 additional CA HAZNET record(s) in the EDR Site Report.

AE177 **STELLEX PARAGON PRECISION** **FINDS** **1001959816**
NE **26150 W TECHNOLOGY DR** **HAZNET** **CAR000064774**
> 1 **VALENCIA, CA 91355** **RCRIS-LQG**
8296 ft.

Site 2 of 5 in cluster AE

Relative:
Lower

Actual:
1046 ft.

RCRIS:
Owner: STELLEX
(818) 710-7707
EPA ID: CAR000064774
Contact: SCOTT MC INTOSH
(661) 257-2557
Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	3477.30	D002	6025.90
D018	3477.30	D039	4838.50
D040	3477.30		

STELLEX PARAGON PRECISION (Continued) **1001959816**

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAR000064774
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.91
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: RUSSELL OVERHOLT
Telephone: (661) 257-2557
Mailing Address: 26150 W TECHNOLOGY DR
VALENCIA, CA 91355
County Not reported

Gepaid: CAR000064774
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 2.96
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: RUSSELL OVERHOLT
Telephone: (661) 257-2557
Mailing Address: 26150 W TECHNOLOGY DR
VALENCIA, CA 91355
County Not reported

Gepaid: CAR000064774
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 0.15
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Contact: RUSSELL OVERHOLT
Telephone: (661) 257-2557
Mailing Address: 26150 W TECHNOLOGY DR
VALENCIA, CA 91355
County Not reported

Gepaid: CAR000064774
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.36
Waste Category: Unspecified aqueous solution
Disposal Method: Not reported
Contact: RUSSELL OVERHOLT
Telephone: (661) 257-2557
Mailing Address: 26150 W TECHNOLOGY DR
VALENCIA, CA 91355
County Not reported

STELLEX PARAGON PRECISION (Continued) **1001959816**

Gepaid: CAR000064774
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.68
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: RUSSELL OVERHOLT
Telephone: (661) 257-2557
Mailing Address: 26150 W TECHNOLOGY DR
VALENCIA, CA 91355
County Not reported

Click this hyperlink while viewing on your computer to access
23 additional CA HAZNET record(s) in the EDR Site Report.

AE178 **STELLEX (PARAGON PRECISION)** **LOS ANGELES CO. HMS** **S105512329**
NE **26150 TECHNOLOGY DR** **N/A**
> 1 **, CA**
8296 ft.

Site 3 of 5 in cluster AE

Relative:
Lower

Actual:
1046 ft.

HMS:
Facility Id: 016282-021391
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AE179 **COGENT LIGHT TECHNOLOGIES INC** **HAZNET** **S103958041**
NE **26145 W TECHNOLOGY DR** **N/A**
> 1 **SANTA CLARITA, CA 91355**
8306 ft.

Site 4 of 5 in cluster AE

Relative:
Lower

Actual:
1046 ft.

HAZNET:
Gepaid: CAL000159482
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1251
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Disposal, Other
Contact: COGENT LIGHT TECHNOLOGIES INC
Telephone: (661) 294-2900
Mailing Address: 26145 TECHNOLOGY DR
VALENCIA, CA 91355 - 1138
County Los Angeles

COGENT LIGHT TECHNOLOGIES INC (Continued) **S103958041**

Gepaid: CAL000159482
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1251
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Disposal, Other
Contact: COGENT LIGHT TECHNOLOGIES INC
Telephone: (661) 294-2900
Mailing Address: 26145 TECHNOLOGY DR
VALENCIA, CA 91355 - 1138
County Los Angeles

Gepaid: CAL000159482
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 1.25
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: WAYNE SMITH VPO
Telephone: (661) 294-2900
Mailing Address: 26145 TECHNOLOGY DR
VALENCIA, CA 91355 - 1138
County Not reported

Gepaid: CAL000159482
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2502
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Incineration
Contact: COGENT LIGHT TECHNOLOGIES INC
Telephone: (661) 294-2900
Mailing Address: 26145 TECHNOLOGY DR
VALENCIA, CA 91355 - 1138
County Los Angeles

Gepaid: CAL000159482
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0130
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Disposal, Land Fill
Contact: COGENT LIGHT TECHNOLOGIES INC
Telephone: (661) 294-2900
Mailing Address: 26145 TECHNOLOGY DR
VALENCIA, CA 91355 - 1138
County Los Angeles

AF180 **WALT DISNEY PICTURES & TELEVISION** **HAZNET** **S104581097**
NNW **28150 W HARRISON PARKWAY** **N/A**
> 1 **VALENCIA, CA 91355**
8312 ft.

Site 1 of 2 in cluster AF

Relative:
Lower

Actual:
1046 ft.

HAZNET:
Gepaid: CAL000180976
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.2085
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Contact: WALT DISNEY PICTURES & TV
Telephone: (000) 000-0000
Mailing Address: 500 S. BUENA VISTA ST.
BURBANK, CA 91521 - 2663
County Los Angeles

Gepaid: CAL000180976
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.9875
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: WALT DISNEY PICTURES & TV
Telephone: (000) 000-0000
Mailing Address: 500 S. BUENA VISTA ST.
BURBANK, CA 91521 - 2663
County Los Angeles

Gepaid: CAL000180976
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.86
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Contact: DEBBIE GONZALEZ ENVIRONMENTAL
Telephone: (818) 553-4061
Mailing Address: 500 S. BUENA VISTA ST.
BURBANK, CA 91521 - 6015
County Not reported

Gepaid: CAL000180976
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6255
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Contact: WALT DISNEY PICTURES & TV
Telephone: (000) 000-0000
Mailing Address: 500 S. BUENA VISTA ST.
BURBANK, CA 91521 - 2663
County Los Angeles

WALT DISNEY PICTURES & TELEVISION (Continued) **S104581097**

Gepaid: CAL000180976
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3000
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: WALT DISNEY PICTURES & TV
Telephone: (000) 000-0000
Mailing Address: 500 S. BUENA VISTA ST.
BURBANK, CA 91521 - 2663
County Los Angeles

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET record(s) in the EDR Site Report.

AF181 **REGENT AEROSPACE INC** **HAZNET** **S105725099**
NNW **28110 HARRISON PKWY** **N/A**
> 1 **VALENCIA, CA 91355**
8313 ft.

Site 2 of 2 in cluster AF

Relative:
Lower

Actual:
1042 ft.

HAZNET:
Gepaid: CAL000220147
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.02
Waste Category: Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method: Recycler
Contact: MIKE VARGAS
Telephone: (661) 257-3000
Mailing Address: 28110 HARRISON PKWY
VALENCIA, CA 91355
County Not reported

Gepaid: CAL000220147
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.24
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Treatment, Tank
Contact: MIKE VARGAS
Telephone: (661) 257-3000
Mailing Address: 28110 HARRISON PKWY
VALENCIA, CA 91355
County Not reported

Gepaid: CAL000220147
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.06
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Contact: MIKE VARGAS
Telephone: (661) 257-3000
Mailing Address: 28110 HARRISON PKWY

REGENT AEROSPACE INC (Continued) **S105725099**

VALENCIA, CA 91355
County Not reported

Gepaid: CAL000220147
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.91
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: MIKE VARGAS
Telephone: (661) 257-3000
Mailing Address: 28110 HARRISON PKWY
VALENCIA, CA 91355
County Not reported

Gepaid: CAL000220147
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Sacramento
Tons: 1.17
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Contact: MIKE VARGAS
Telephone: (661) 257-3000
Mailing Address: 28110 HARRISON PKWY
VALENCIA, CA 91355
County Not reported

Click this hyperlink while viewing on your computer to access
4 additional CA HAZNET record(s) in the EDR Site Report.

AE182 **AIR FRAME MFG. & SUPPLY CO.** **LOS ANGELES CO. HMS** **S103945417**
NE **26135 TECHNOLOGY DR** **N/A**
> 1 **, CA**
8324 ft.

Site 5 of 5 in cluster AE

Relative:
Lower

Actual:
1047 ft.

HMS:
Facility Id: 020343-028947
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AG183 **GRUBER SYSTEMS, INC.** **FINDS** **1000162623**
ENE **25636 AVE STANFORD** **RCRIS-LQG** **91355GRBRS25**
> 1 **VALENCIA, CA 91355** **TRIS**
8334 ft. **CERC-NFRAP**
LOS ANGELES CO. HMS

Site 1 of 2 in cluster AG

Relative:
Lower

Actual:
1059 ft.

CERCLIS-NFRAP Classification Data:
Site Incident Category: Not reported
Non NPL Code: NFRAP
Ownership Status: Unknown
CERCLIS-NFRAP Assessment History:
Assessment: DISCOVERY

Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Completed: 08/01/1980

GRUBER SYSTEMS, INC. (Continued) **1000162623**

Assessment: PRELIMINARY ASSESSMENT Completed: 05/01/1985
Assessment: ARCHIVE SITE Completed: 05/01/1985

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD000053926
Contact: Not reported
Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	26290.00	F003	9240.00

Violation Status: Violations exist

Regulation Violated: 262.10-12.A
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/10/1993
Actual Date Achieved Compliance: 11/10/1998

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19981110

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
National Emissions Inventory
Resource Conservation and Recovery Act Information system
Toxics Release Inventory

HMS:
Facility Id: 002597-I02683
Area: 7A
Facility Type: I01
Permit Number: 000005599 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

AH184 **YOGI'S AND SONS** **LOS ANGELES CO. HMS** **S102064426**
NE **26074 AVE HALL #14** **N/A**
> 1 **, CA**
8486 ft.

Site 1 of 4 in cluster AH

Relative: **Lower**

Actual: **1048 ft.**

HMS:
Facility Id: 009181-008836
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AH185 **XENOTRONIX INC** **RCRIS-SQG** **1000343101**
NE **26074 AVENUE HALL UNIT 10** **FINDS** **CAD982491243**
> 1 **VALENCIA, CA 91355** **HAZNET**
8486 ft.

Site 2 of 4 in cluster AH

Relative: **Lower**

Actual: **1048 ft.**

RCRIS:
Owner: MICHAEL GEERY SAUNDER MGMNT CORP
(415) 555-1212
EPA ID: CAD982491243
Contact: ENVIRONMENTAL MANAGER
(805) 257-4793
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD982491243
TSD EPA ID: CAD980883177
Gen County: Los Angeles
Tsd County: Kern
Tons: .0625
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 26074 AVENUE HALL UNIT 10
VALENCIA, CA 91355
County Los Angeles

AH186 **CAPTIVE AUDIENCE** **HAZNET** **S104571239**
NE **26074 AVE HALL STE 1** **N/A**
> 1 **VALENCIA, CA 91355**
8486 ft.

Site 3 of 4 in cluster AH

Relative: **Lower**

Actual: **1048 ft.**

HAZNET:
Gepaid: CAL000205534
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 0.1
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Contact: MARY KIM/SUPERVISOR
Telephone: (818) 557-2444
Mailing Address: 4200 W VANOWEN PL
BURBANK, CA 91505
County Not reported

CAPTIVE AUDIENCE (Continued) — **S104571239**

Gepaid: CAL000205534
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.06
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: MARY KIM/SUPERVISOR
Telephone: (818) 557-2444
Mailing Address: 4200 W VANOWEN PL
BURBANK, CA 91505
County Not reported

Gepaid: CAL000205534
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.16
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: MARY KIM/SUPERVISOR
Telephone: (818) 557-2444
Mailing Address: 4200 W VANOWEN PL
BURBANK, CA 91505
County Not reported

Gepaid: CAC002176705
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.834
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: CAPTIVE AUDIENCE
Telephone: (805) 294-9500
Mailing Address: 26074 AVE HALL STE 1
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAC002176705
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.04
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Treatment, Incineration
Contact: CAPTIVE AUDIENCE
Telephone: (805) 294-9500
Mailing Address: 26074 AVE HALL STE 1
VALENCIA, CA 91355
County Los Angeles

AH187 — **YOGIS AND SONS** — LOS ANGELES CO. HMS — U003064570
NE — 26074 AVE HALL #14 — N/A
> 1 — , CA
8486 ft.

Site 4 of 4 in cluster AH

Relative: Lower
Actual: 1048 ft.

HMS:
Facility Id: 009181-I08836
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AG188 — **TESCO PRODUCTS** — LOS ANGELES CO. HMS — S103945369
ENE — 25601 AVE STANFORD — N/A
> 1 — , CA
8491 ft.

Site 2 of 2 in cluster AG

Relative: Lower
Actual: 1061 ft.

HMS:
Facility Id: 019461-027790
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AI189 — **DEL WEST ENGINEERING** — FINDS — 1001459707
NW — 28128 W LIVINGSTON AVE — HAZNET — CAR000048694
> 1 — VALENCIA, CA 91355 — RCRIS-LQG
8510 ft.

Site 1 of 2 in cluster AI

Relative: Lower
Actual: 1063 ft.

RCRIS:
Owner: DEL WEST ENGINEERING
(805) 295-5700
EPA ID: CAR000048694
Contact: BEN MC CABE
(805) 295-5700
Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAR000048694
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 5.00
Waste Category: Unspecified oil-containing waste
Disposal Method: Not reported
Contact: R J SOUKUP/FACILITIES MGR
Telephone: (661) 295-5700
Mailing Address: 28128 W LIVINGSTON AVE

DEL WEST ENGINEERING (Continued) **1001459707**

VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000048694
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 4.17
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: R J SOUKUP/FACILITIES MGR
Telephone: (661) 295-5700
Mailing Address: 28128 W LIVINGSTON AVE
VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000048694
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.01
Waste Category: Liquids with pH <UN-> 2
Disposal Method: Recycler
Contact: R J SOUKUP/FACILITIES MGR
Telephone: (661) 295-5700
Mailing Address: 28128 W LIVINGSTON AVE
VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000048694
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 7.50
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Contact: R J SOUKUP/FACILITIES MGR
Telephone: (661) 295-5700
Mailing Address: 28128 W LIVINGSTON AVE
VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000048694
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: 14.63
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: R J SOUKUP/FACILITIES MGR
Telephone: (661) 295-5700
Mailing Address: 28128 W LIVINGSTON AVE
VALENCIA, CA 91355
County: Not reported

Click this hyperlink while viewing on your computer to access
41 additional CA HAZNET record(s) in the EDR Site Report.

AI190 **DEL WEST ENGINEERING** **LOS ANGELES CO. HMS** **1001472911**
NW **28128 W LIVINGSTON AVE** **N/A**
> 1 **, CA**
8511 ft.

Site 2 of 2 in cluster AI

Relative:
Lower

Actual:
1063 ft.

HMS:
Facility Id: 017610-024096
Area: 7
Facility Type: I09
Permit Number: 000189775 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

AJ191 **STANDARD OIL CO. OF CALIF.** **LUST** **S104891066**
East **27541 TOURNEY RD N** **N/A**
> 1 **VALENCIA, CA 91355**
8565 ft.

Site 1 of 2 in cluster AJ

Relative:
Lower

Actual:
1106 ft.

State LUST:
Cross Street: Not reported
Qty Leaked: Not reported
Case Number R-09032
Reg Board: Los Angeles Region
Chemical: Gasoline
Lead Agency: Regional Board
Local Agency : 19000
Case Type: Soil only
Status: Case Closed
Abate Method: Other Means
Review Date: 2001-01-30 00:00:00 Confirm Leak: 2001-01-30 00:00:00
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: 2001-09-21 00:00:00 Remed Plan: 2001-09-21 00:00:00
Remed Action: Not reported
Monitoring: Not reported
Close Date: 2003-05-27 00:00:00
Release Date: 2001-01-30 00:00:00
Cleanup Fund Id : Not reported
Discover Date : Not reported
Enforcement Dt : Not reported
Enf Type: CLOS
Enter Date : Not reported
Funding: Not reported
Staff Initials: Not reported
How Discovered: Subsurface Monitoring
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : 2003-02-26 00:0
Max MTBE GW : 0 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : WXT
GW Qualifier : ND
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA

STANDARD OIL CO. OF CALIF. (Continued) **S104891066**

Operator : CHEVRON
Oversight Prgm: LUST
Review Date : 2002-07-15 00:00:00
Stop Date : Not reported
Work Suspended :Not reported
Responsible PartyY. M. TUAN
RP Address: P.O. BOX 2833
Global Id: T0603791338
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 1/30/2001
Lead Agency: Regional Board
Local Agency: 19000
Substance: Gasoline
Case Type: Soil
Status: Case Closed
Region: 4
Staff: WXT
Date Case Last Changed on Database: 7/15/2002
Date Leak Record Entered: Not reported
Historical Max MTBE Date: 2/26/2003
GW Qualifier: ND
Soil Qualifier: Not reported
Hist Max MTBE Conc In Groundwater: 0
Hist Max MTBE Conc In Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: Y. M. TUAN
RP Address: P.O. BOX 2833
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34.409697 / -1
Local Agency Staff: Not reported
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : Not reported
Abatement Method Used at the Site: OT
Operator : CHEVRON
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 4080.270247256448852766071963 4
Assigned Name : Not reported
W Global ID : Not reported
Source of Cleanup Funding: Not reported

STANDARD OIL CO. OF CALIF. (Continued) **S104891066**

Date the Leak was Discovered: Not reported
How the Leak was Discovered: Subsurface Monitoring
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: Not reported
Date Confirmation Leak Began: 1/30/2001
Preliminary Site Assessment Workplan Submitted: 2/12/2001
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: 4/10/2001
Remediation Plan Submitted: 9/21/2001
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 5/27/2003
Enforcement Action Date: Not reported
Date Leak First Reported: 1/30/2001
Enforcement Type: CLOS
Global ID : T0603791338
Cross Street: Not reported
Summary : 4/10/01 SITE ASSESSMENT RPT, SUBSURFACE ASSESSMENT & REMED. EXCAVATION WP

AJ192 **STANDARD OIL CO OF CAL** **LOS ANGELES CO. HMS** **S102064506**
East **27541 N TOURNEY RD** **N/A**
> 1 **, CA**
8565 ft.

Site 2 of 2 in cluster AJ

Relative:
Lower

Actual:
1106 ft.

HMS:
Facility Id: 009235-009032
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: Removed
Region: Los Angeles County:

AK193 **K-SERA** **LOS ANGELES CO. HMS** **S102064400**
ENE **25647 RYE CANYON RD** **N/A**
> 1 **, CA**
8589 ft.

Site 1 of 11 in cluster AK

Relative:
Lower

Actual:
1059 ft.

HMS:
Facility Id: 016269-021366
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

194 **EBENSTEINER CASTAIC SHOP** RCRIS-SQG 1000594595
North **30305 THE OLD ROAD** FINDS CAD983584376
> 1 **CASTAIC, CA 91384**
8597 ft.

Relative: **Lower**

Actual: **1018 ft.**

RCRIS:
Owner: PAUL EBENSTEINER
(415) 555-1212
EPA ID: CAD983584376
Contact: ROBERT CLEM
(805) 257-0262
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

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195 **DENNYS RESTAURANT** LOS ANGELES CO. HMS S105570362
East **27541 WAYNE MILLS PL** N/A
> 1 **, CA**
8686 ft.

Relative: **Lower**

Actual: **1106 ft.**

HMS:
Facility Id: 026963-037754
Area: 7A
Facility Type: I01
Permit Number: 000367091 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

AL196 **1X FORREST MACHINING INC** HAZNET S103947130
ENE **25562 AVE STANFORD** N/A
> 1 **VALENCIA, CA 91355**
8698 ft.

Site 1 of 12 in cluster AL

Relative: **Lower**

Actual: **1062 ft.**

HAZNET:
Gepaid: CAC000584024
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 9.5910
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: MR FORREST
Telephone: (000) 000-0000
Mailing Address: VALENCIA, CA 91355
County Los Angeles

1X FORREST MACHINING INC (Continued) S103947130

Gepaid: CAC000584024
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 5.8380
Waste Category: Oil/water separation sludge
Disposal Method: Recycler
Contact: MR FORREST
Telephone: (000) 000-0000
Mailing Address: VALENCIA, CA 91355
County Los Angeles

Gepaid: CAC000584024
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 9.5910
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: MR FORREST
Telephone: (000) 000-0000
Mailing Address: VALENCIA, CA 91355
County Los Angeles

Gepaid: CAC000584024
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 6.2550
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: MR FORREST
Telephone: (000) 000-0000
Mailing Address: VALENCIA, CA 91355
County Los Angeles

Gepaid: CAC000584024
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 5.8380
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: MR FORREST
Telephone: (000) 000-0000
Mailing Address: VALENCIA, CA 91355
County Los Angeles

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET record(s) in the EDR Site Report.

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

AL197
ENE
> 1
8698 ft.

Relative:
Lower

Actual:
1062 ft.

FORREST MACHINING INC — **LOS ANGELES CO. HMS** — **S104536020** / **N/A**
25562 AVE STANFORD
, CA

Site 2 of 12 in cluster AL

HMS:
Facility Id: 015405-016677
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Facility Id: 015405-I16677
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AL198
ENE
> 1
8722 ft.

Relative:
Lower

Actual:
1062 ft.

SAUGUS COMMUNITY DUMP — **LOS ANGELES CO. HMS** — **U003057578** / **N/A**
SAUGUS
, CA

Site 3 of 12 in cluster AL

HMS:
Facility Id: 001119-I01176
Area: 7
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AK199
ENE
> 1
8790 ft.

Relative:
Lower

Actual:
1059 ft.

VALENCIA AUTO — **FINDS** — **1004443135** / **110017210276**
25625 W. RYE CANYON RD.
VALENCIA, CA 91355

Site 2 of 11 in cluster AK

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

AK200
ENE
> 1
8790 ft.

Relative:
Lower

Actual:
1059 ft.

SCE - VALENCIA SERVICE CENTER — **UST** — **U003776077** / **N/A**
25625 RYE CANYON RD
VALENCIA, CA 91355

Site 3 of 11 in cluster AK

State UST:
Facility ID: 005207
Region: STATE
Local Agency: 19000

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

AK201
ENE
> 1
8790 ft.

Relative:
Lower

Actual:
1059 ft.

SO CAL EDISON VALENCIA SERVICE CENTER — **HAZNET** — **S100945456** / **N/A**
25625 RYE CANYON RD
VALENCIA, CA 91355

Site 4 of 11 in cluster AK

HAZNET:
Gepaid: CAD981681794
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0250
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: (626) 302-1212
Mailing Address: ENVT'L AFFAIRS RM 405 2244 WALNUT GRV AV ROSEMEAD, CA 91770 - 0800
County Los Angeles

Gepaid: CAD981681794
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: .0500
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: (626) 302-1212
Mailing Address: ENVT'L AFFAIRS RM 405 2244 WALNUT GRV AV ROSEMEAD, CA 91770 - 0800
County Los Angeles

Gepaid: CAD981681794
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: 4.0000
Waste Category: Unspecified oil-containing waste
Disposal Method: Disposal, Land Fill
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: (626) 302-1212
Mailing Address: ENVT'L AFFAIRS RM 405 2244 WALNUT GRV AV ROSEMEAD, CA 91770 - 0800
County Los Angeles

Gepaid: CAD981681794
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: 1.3250
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: (626) 302-1212
Mailing Address: ENVT'L AFFAIRS RM 405 2244 WALNUT GRV AV ROSEMEAD, CA 91770 - 0800
County Los Angeles

SO CAL EDISON VALENCIA SERVICE CENTER (Continued) **S100945456**

Gepaid: CAD981681794
TSD EPA ID: CAT000646117
Gen County: Los Angeles
Tsd County: Kings
Tons: .3000
Waste Category: Other organic solids
Disposal Method: Not reported
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: (626) 302-1212
Mailing Address: ENVT'L AFFAIRS RM 405 2244 WALNUT GRV AV
ROSEMEAD, CA 91770 - 0800
County Los Angeles

Click this hyperlink while viewing on your computer to access
49 additional CA HAZNET record(s) in the EDR Site Report.

AK202 **SOUTHERN CALIFORNIA EDISON CO** **LOS ANGELES CO. HMS** **U003061130**
ENE **25625 RYE CANYON RD** **N/A**
> 1 **, CA**
8790 ft.

Site 5 of 11 in cluster AK

Relative:
Lower

HMS:
Facility Id: 005018-I05207
Area: 7A
Actual: Facility Type: I01
1059 ft. Permit Number: 000000596 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

AK203 **SOUTHERN CA EDISON CO** **LUST** **S102437783**
ENE **25625 RYE CANYON RD W** **Cortese** **N/A**
> 1 **VALENCIA, CA 91355**
8790 ft.

Site 6 of 11 in cluster AK

Relative:
Lower

State LUST:
Cross Street: Not reported
Actual: Qty Leaked: Not reported
1059 ft. Case Number R-05207
Reg Board: Los Angeles Region
Chemical: 1
Lead Agency: Local Agency
Local Agency : 19000
Case Type: Soil only
Status: Leak being confirmed
Review Date: 1985-03-14 00:00:00 Confirm Leak: 1985-03-14 00:00:00
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported
Monitoring: Not reported
Close Date: Not reported
Release Date: 1985-03-14 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1985-03-14 00:00:00
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1986-12-31 00:00:00

SOUTHERN CA EDISON CO (Continued) **S102437783**

Funding: Not reported
Staff Initials: Not reported
How Discovered: Tank Test
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : SUYAMA,
Oversight Prgm: LUST
Review Date : 1985-04-09 00:00:00
Stop Date : Not reported
Work Suspended Not reported
Responsible PartySOUTHERN CALIFORNI
RP Address: P.O.BOX 800, ROSEMEAD, CA 91
Global Id: T0603704672
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 3/14/1985
Lead Agency: Local Agency
Local Agency: 19000
Substance: 1
Case Type: Soil
Status: Leak being confirmed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 4/9/1985
Date Leak Record Entered: 12/31/1986
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: SOUTHERN CALIFORNIA EDISON
RP Address: P.O.BOX 800, ROSEMEAD, CA 91770

SOUTHERN CA EDISON CO (Continued) — **S102437783**

Significant Interim Remedial Action Taken:	Not reported
Program :	LUST
Lat / Long :	34.4337326 / -1
Local Agency Staff:	Not reported
Beneficial Use :	Not reported
Priority :	Not reported
Cleanup Fund Id :	Not reported
Suspended :	Not reported
Local Case No :	Not reported
Substance Quantity :	Not reported
Abatement Method Used at the Site:	Not reported
Operator :	SUYAMA, WENDELL
Water System :	Not reported
Well Name :	Not reported
Approx. Dist To Production Well (ft) :	3645.185029063514145880641462 4
Assigned Name :	Not reported
W Global ID :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	3/14/1985
How the Leak was Discovered:	Tank Test
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	3/14/1985
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	Not reported
Enforcement Action Date:	Not reported
Date Leak First Reported:	3/14/1985
Enforcement Type:	Not reported
Global ID :	T0603704672
Cross Street:	Not reported
Summary :	

CORTESE:
Region: CORTESE
Fac Address 2: 25625 RYE CANYON RD W

AK204 — **SCE - VALENCIA SERVICE CENTER** — **LOS ANGELES CO. HMS** — **S102064399** — **N/A**
ENE
> 1
8790 ft.
25625 RYE CANYON RD
, CA

Relative: Lower

Actual: 1059 ft.

Site 7 of 11 in cluster AK

HMS:
Facility Id: 005018-005207
Area: 7A
Facility Type: T0
Permit Number: 00000520T
Facility Status: Permit
Region: Los Angeles County:
Permit Status: Permit

AK205 — **SAN FERNANDO DIST. OFFICE** — **HIST UST** — **U001567872** — **N/A**
ENE
> 1
8790 ft.
25625 RYE CANYON RD
VALENCIA, CA 91355

Relative: Lower

Actual: 1059 ft.

Site 8 of 11 in cluster AK

UST HIST:

Facility ID:	22256	Owner Name:	SOUTHERN CALIFORNIA EDISON CO.
Total Tanks:	3	Region:	STATE
Owner Address:	2244 WALNUT GROVE AVENUE ROSEMEAD, CA 91770		
Tank Used for:	PRODUCT		
Tank Num:	1	Container Num:	329
Tank Capacity:	00000000	Year Installed:	1984
Type of Fuel:	UNLEADED	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	W S MATNEY, DIST. MGR	Telephone:	(818) 572-1801
Facility Type:	Other	Other Type:	ELECTRIC UTILITY
Facility ID:	22256	Owner Name:	SOUTHERN CALIFORNIA EDISON CO.
Total Tanks:	3	Region:	STATE
Owner Address:	2244 WALNUT GROVE AVENUE ROSEMEAD, CA 91770		
Tank Used for:	PRODUCT		
Tank Num:	2	Container Num:	330
Tank Capacity:	00000000	Year Installed:	1975
Type of Fuel:	DIESEL	Tank Construction:	Not Reported
Leak Detection:	Stock Inventor		
Contact Name:	W S MATNEY, DIST. MGR	Telephone:	(818) 572-1801
Facility Type:	Other	Other Type:	ELECTRIC UTILITY
Facility ID:	22256	Owner Name:	SOUTHERN CALIFORNIA EDISON CO.
Total Tanks:	3	Region:	STATE
Owner Address:	2244 WALNUT GROVE AVENUE ROSEMEAD, CA 91770		
Tank Used for:	WASTE		
Tank Num:	3	Container Num:	331
Tank Capacity:	00000000	Year Installed:	1975
Type of Fuel:	WASTE OIL	Tank Construction:	Not Reported
Leak Detection:	Visual		
Contact Name:	W S MATNEY, DIST. MGR	Telephone:	(818) 572-1801
Facility Type:	Other	Other Type:	ELECTRIC UTILITY

AL206 — **PETER LEIGHTI MFG** — **RCRIS-SQG** — **1000686593**
ENE — **FINDS** — **CAD983639261**
> 1
8802 ft.
25520 W AVE STANFORD NO 305
VALENCIA, CA 91355

Relative: Lower

Actual: 1063 ft.

Site 4 of 12 in cluster AL

PETER LEIGHTI MFG (Continued) — **1000686593**

RCRIS:
Owner: PETER LIEGHTI (805) 257-3318
EPA ID: CAD983639261
Contact: PETER LIEGHTI (805) 257-3316
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

AL207 — **FORREST MACHINING INC** — **LOS ANGELES CO. HMS** — **S103945359**
ENE / > 1 / 8811 ft. — **25544 AVE STANFORD** — **N/A**
Relative: Lower — **, CA**
Actual: 1063 ft.

Site 5 of 12 in cluster AL

HMS:
Facility Id: 018953-027209
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AK208 — **METAL PRO INDUSTRIES** — **HAZNET** — **S103647004**
ENE / > 1 / 8826 ft. — **25620 RYE CANYON RD** — **N/A**
Relative: Lower — **SANTA CLARITA, CA 91355**
Actual: 1059 ft.

Site 9 of 11 in cluster AK

HAZNET:
Gepaid: CAC001137912
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2293
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: ROBERT SEABERG
Telephone: (000) 000-0000
Mailing Address: 25620 RYE CANYON RD
SANTA CLARITA, CA 91355
County Los Angeles

AK209 — **T V FANFARE PUBLICATIONS** — **RCRIS-SQG** — **1004676132**
ENE / > 1 / 8826 ft. — **25620 RYE CANYON RD** — **FINDS** — **CAR000081257**
Relative: Lower — **VALENCIA, CA 91355**
Actual: 1059 ft.

Site 10 of 11 in cluster AK

RCRIS:
Owner: TV FANFARE PUBLICATIONS (661) 257-4000
EPA ID: CAR000081257
Contact: TOM SAWYER (661) 257-4000
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

AK210 — **FANFAIR MEDIA WORKS INC** — **HAZNET** — **S105726068**
ENE / > 1 / 8826 ft. — **25620 RYE CANYON RD** — **N/A**
Relative: Lower — **VALENCIA, CA 91355**
Actual: 1059 ft.

Site 11 of 11 in cluster AK

HAZNET:
Gepaid: CAL000239836
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 0.84
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: DANA CURNES / XTN-449
Telephone: (661) 257-4000
Mailing Address: 25300 RYE CANYON RD
VALENCIA, CA 91355
County Not reported

Gepaid: CAL000239836
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 2.52
Waste Category: Empty containers less than 30 gallons
Disposal Method: Not reported
Contact: DANA CURNES / XTN-449
Telephone: (661) 257-4000
Mailing Address: 25300 RYE CANYON RD
VALENCIA, CA 91355
County Not reported

FANFAIR MEDIA WORKS INC (Continued) — **S105726068**

Gepaid: CAL000239836
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 2.52
Waste Category: Empty containers less than 30 gallons
Disposal Method: Transfer Station
Contact: DANA CURNES / XTN-449
Telephone: (661) 257-4000
Mailing Address: 25300 RYE CANYON RD
VALENCIA, CA 91355
County: Not reported

Gepaid: CAL000239836
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.1
Waste Category: Other organic solids
Disposal Method: Not reported
Contact: DANA CURNES / XTN-449
Telephone: (661) 257-4000
Mailing Address: 25300 RYE CANYON RD
VALENCIA, CA 91355
County: Not reported

Gepaid: CAL000239836
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Orange
Tons: 2.1
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: DANA CURNES / XTN-449
Telephone: (661) 257-4000
Mailing Address: 25300 RYE CANYON RD
VALENCIA, CA 91355
County: Not reported

AL211 — **INTEGRAL PARTS MACHINING CO.** — LOS ANGELES CO. HMS — S103945357 — N/A
ENE
> 1
8890 ft.
25530 AVE STANFORD 206
, CA

Relative: Lower
Actual: 1063 ft.

Site 6 of 12 in cluster AL

HMS:
Facility Id: 019456-027785
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AL212 — **LUSTRO PLASTICS CO** — RCRIS-SQG — 1000419887
ENE — **25525 AVE STANFORD** — FINDS — CAD066633421
> 1 — **VALENCIA, CA 91355** — LOS ANGELES CO. HMS
8932 ft.

Relative: Lower
Actual: 1063 ft.

Site 7 of 12 in cluster AL

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD066633421
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HMS:
Facility Id: 007579-I07976
Area: 7A
Facility Type: I01
Permit Number: 00010703B — Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

Facility Id: 007579-007976
Area: 7A
Facility Type: T0
Permit Number: 00004651T — Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

AL213 — **AEROSPACE DYNAMICS INTL INC** — LOS ANGELES CO. HMS — U002281359 — N/A
ENE
> 1
8932 ft.
25525 AVE STANFORD
, CA

Relative: Lower
Actual: 1063 ft.

Site 8 of 12 in cluster AL

HMS:
Facility Id: 007579-022967
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AM214 — **U S HORIZON MFG, INC** — LOS ANGELES CO. HMS — U003064917 — N/A
ENE
> 1
8936 ft.
25620 RYE CANYON RD B
, CA

Relative: Lower
Actual: 1060 ft.

Site 1 of 4 in cluster AM

HMS:
Facility Id: 015596-I16865
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported

U S HORIZON MFG, INC (Continued) — U003064917

Facility Status: OPEN
Region: Los Angeles County:

AM215 — **SOUTHERN CALIFORNIA EDISON** — CA FID UST — 1000409116 / N/A
ENE
> 1
8941 ft.
25625 W RYE CANYON
SANTA CLARITA, CA

Relative: Lower
Actual: 1060 ft.

Site 2 of 4 in cluster AM

FID:

Facility ID:	19024026	Regulate ID:	00022256
Reg By:	Active Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Active	Facility Tel:	(818) 000-0000
Mail To:	Not reported BOX SANTA CLARITA, CA		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

AL216 — **MESCHKAT PRECISION** — LOS ANGELES CO. HMS — S103945352 / N/A
ENE
> 1
8948 ft.
25520 AVE STANFORD 310
, CA

Relative: Lower
Actual: 1063 ft.

Site 9 of 12 in cluster AL

HMS:

Facility Id:	019451-027779		
Area:	7A		
Facility Type:	Not reported		
Permit Number:	Not reported	Permit Status:	Not reported
Facility Status:	OPEN		
Region:	Los Angeles County:		

AL217 — **A & M ELECTONICS** — HAZNET — S103646899 / N/A
ENE
> 1
8948 ft.
25520 AVE STANFORD
VALENCIA, CA 91355

Relative: Lower
Actual: 1063 ft.

Site 10 of 12 in cluster AL

HAZNET:

Gepaid:	CAD981371099
TSD EPA ID:	CAL000024110
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.2750
Waste Category:	Other inorganic solid waste
Disposal Method:	Recycler
Contact:	RON SIMPSON PRES
Telephone:	(805) 722-9113
Mailing Address:	25520 AVENUE STANFORD STE 311 VALENCIA, CA 91355 - 1132
County	Los Angeles

A & M ELECTONICS (Continued) — S103646899

Gepaid:	CAD981371099
TSD EPA ID:	CAD008364432
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.0000
Waste Category:	Liquids with pH <UN-> 2
Disposal Method:	Not reported
Contact:	RON SIMPSON PRES
Telephone:	(805) 722-9113
Mailing Address:	25520 AVENUE STANFORD STE 311 VALENCIA, CA 91355 - 1132
County	Los Angeles

Gepaid:	CAD981371099
TSD EPA ID:	CAD008364432
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.2293
Waste Category:	Unspecified solvent mixture Waste
Disposal Method:	Treatment, Tank
Contact:	RON SIMPSON PRES
Telephone:	(805) 722-9113
Mailing Address:	25520 AVENUE STANFORD STE 311 VALENCIA, CA 91355 - 1132
County	Los Angeles

Gepaid:	CAD981371099
TSD EPA ID:	CAD008364432
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.2251
Waste Category:	Unspecified solvent mixture Waste
Disposal Method:	Recycler
Contact:	RON SIMPSON PRES
Telephone:	(805) 722-9113
Mailing Address:	25520 AVENUE STANFORD STE 311 VALENCIA, CA 91355 - 1132
County	Los Angeles

Gepaid:	CAD981371099
TSD EPA ID:	Not reported
Gen County:	Los Angeles
Tsd County:	Santa Clara
Tons:	0.9
Waste Category:	Other inorganic solid waste
Disposal Method:	Recycler
Contact:	RON SIMPSON PRES
Telephone:	(805) 257-3680
Mailing Address:	25520 AVENUE STANFORD STE 311 VALENCIA, CA 91355 - 1132
County	Not reported

Click this hyperlink while viewing on your computer to access
6 additional CA HAZNET record(s) in the EDR Site Report.

AL218 **SANTA CLARITA BEARING** **LOS ANGELES CO. HMS** **S103945353**
ENE **25520 AVE STANFORD 307** **N/A**
> 1 **, CA**
8948 ft.

Site 11 of 12 in cluster AL

Relative: **Lower**

HMS:
Facility Id: 019452-027780
Area: 7A
Actual: **1063 ft.** Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AN219 **ENVIROTECH EQUIPMENT CO.** **LOS ANGELES CO. HMS** **S103945580**
NE **28130 AVE CROCKER #D** **N/A**
> 1 **, CA**
8957 ft.

Site 1 of 7 in cluster AN

Relative: **Lower**

HMS:
Facility Id: 019373-027695
Area: 7A
Actual: **1057 ft.** Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AL220 **QUALITY MELAMINE CORP** **LOS ANGELES CO. HMS** **U003062579**
ENE **25519 AVE STANFORD** **N/A**
> 1 **, CA**
8960 ft.

Site 12 of 12 in cluster AL

Relative: **Lower**

HMS:
Facility Id: 006718-I06943
Area: 7A
Actual: **1063 ft.** Facility Type: I01
Permit Number: 000010225 Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

AN221 **ALL MOBILE LUBE PLUS INC** **HAZNET** **S104578379**
NE **28170 AVENUE CROCKER** **N/A**
> 1 **VALENCIA, CA 91355**
8987 ft.

Site 2 of 7 in cluster AN

Relative: **Lower**

HAZNET:
Gepaid: CAL000120151
Actual: **1057 ft.** TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6880
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: ALL MOBILE LUBE PLUS INC
Telephone: (000) 000-0000
Mailing Address: 275 E HILLCREST DRIVE STE 165
THOUSAND OAKS, CA 91360 - 2209

ALL MOBILE LUBE PLUS INC (Continued) **S104578379**

County: Los Angeles
Gepaid: CAL000120151
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .9174
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: ALL MOBILE LUBE PLUS INC
Telephone: (000) 000-0000
Mailing Address: 275 E HILLCREST DRIVE STE 165
THOUSAND OAKS, CA 91360 - 2209

County: Los Angeles
Gepaid: CAL000120151
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6672
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: ALL MOBILE LUBE PLUS INC
Telephone: (000) 000-0000
Mailing Address: 275 E HILLCREST DRIVE STE 165
THOUSAND OAKS, CA 91360 - 2209

County: Los Angeles
Gepaid: CAL000120151
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.9174
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: ALL MOBILE LUBE PLUS INC
Telephone: (000) 000-0000
Mailing Address: 275 E HILLCREST DRIVE STE 165
THOUSAND OAKS, CA 91360 - 2209

County: Los Angeles
Gepaid: CAL000120151
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.3135
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: ALL MOBILE LUBE PLUS INC
Telephone: (000) 000-0000
Mailing Address: 275 E HILLCREST DRIVE STE 165
THOUSAND OAKS, CA 91360 - 2209

County: Los Angeles

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET record(s) in the EDR Site Report.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
AN222 **NE** **> 1** **8987 ft.** **Relative:** **Lower** **Actual:** **1057 ft.**	**28170 AVENUE CROCKER** **28170 AVENUE CROCKER** **VALENCIA, CA 91355** **Site 3 of 7 in cluster AN** Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.	**ERNS**	**92258391** **N/A**
AN223 **NE** **> 1** **8989 ft.** **Relative:** **Lower** **Actual:** **1057 ft.**	**ATTRACTION SERVICES** **28165 AVENUE CROCKER** **VALENCIA, CA 91355** **Site 4 of 7 in cluster AN**	**HAZNET**	**S103649290** **N/A**

HAZNET:

Gepaid:	CAC001244160
TSD EPA ID:	CAT080013352
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	2.7522
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Contact:	CORPORATION/RON GRIFFIN/PRES
Telephone:	(000) 000-0000
Mailing Address:	28165 AVENUE CROCKER VALENCIA, CA 91355
County	Los Angeles

Gepaid:	CAC001244160
TSD EPA ID:	CAD000088252
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.1876
Waste Category:	Liquids with pH <UN-> 2
Disposal Method:	Transfer Station
Contact:	CORPORATION/RON GRIFFIN/PRES
Telephone:	(000) 000-0000
Mailing Address:	28165 AVENUE CROCKER VALENCIA, CA 91355
County	Los Angeles

Gepaid:	CAC001244160
TSD EPA ID:	CAD000088252
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.2000
Waste Category:	Laboratory waste chemicals
Disposal Method:	Transfer Station
Contact:	CORPORATION/RON GRIFFIN/PRES
Telephone:	(000) 000-0000
Mailing Address:	28165 AVENUE CROCKER VALENCIA, CA 91355
County	Los Angeles

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	ATTRACTION SERVICES (Continued)		**S103649290**

Gepaid:	CAC001244160
TSD EPA ID:	CAD000088252
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.2293
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Transfer Station
Contact:	CORPORATION/RON GRIFFIN/PRES
Telephone:	(000) 000-0000
Mailing Address:	28165 AVENUE CROCKER VALENCIA, CA 91355
County	Los Angeles

Gepaid:	CAC001244160
TSD EPA ID:	CAT080033681
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	.0200
Waste Category:	Other organic solids
Disposal Method:	Recycler
Contact:	CORPORATION/RON GRIFFIN/PRES
Telephone:	(000) 000-0000
Mailing Address:	28165 AVENUE CROCKER VALENCIA, CA 91355
County	Los Angeles

Click this hyperlink while viewing on your computer to access 17 additional CA HAZNET record(s) in the EDR Site Report.

AN224 **NE** **> 1** **8989 ft.** **Relative:** **Lower** **Actual:** **1057 ft.**	**T Z PRODUCTIONS** **28165 AVENUE CROCKER** **VALENCIA, CA 91355** **Site 5 of 7 in cluster AN**	**RCRIS-SQG** **FINDS** **HAZNET**	**1000472833** **CAD982433500**

RCRIS:

Owner:	VALENCIA STUDIOS (415) 555-1212
EPA ID:	CAD982433500
Contact:	ENVIRONMENTAL MANAGER (805) 257-6780
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

T Z PRODUCTIONS (Continued) **1000472833**

HAZNET:
Gepaid: CAD982433500
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2584
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: VALENCIA STUDIOS
Telephone: (415) 555-1212
Mailing Address: 8125 LANKERSHIM BLVD
NORTH HOLLYWOOD, CA 91605
County Los Angeles

Gepaid: CAD982433500
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.09
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: UNDELIVERABLE SURVEY 11-30-94
Telephone: (415) 555-1212
Mailing Address: 8125 LANKERSHIM BLVD
NORTH HOLLYWOOD, CA 91605
County Not reported

Gepaid: CAC002555233
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.22
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Transfer Station
Contact: JULIE KRASNOFF
Telephone: (310) 456-7210
Mailing Address: PO BOX 851
MALIBU, CA 90265
County Not reported

Gepaid: CAC002555233
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.28
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Treatment, Tank
Contact: JULIE KRASNOFF
Telephone: (310) 456-7210
Mailing Address: PO BOX 851
MALIBU, CA 90265
County Not reported

T Z PRODUCTIONS (Continued) **1000472833**

Gepaid: CAC002555233
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.29
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: JULIE KRASNOFF
Telephone: (310) 456-7210
Mailing Address: PO BOX 851
MALIBU, CA 90265
County Not reported

AO225 **AERO ENGINEERING** **HAZNET** **S100928998**
NE **28217 AVENUE CROCKER** **N/A**
> 1 **VALENCIA, CA 91355**
8996 ft.

Site 1 of 2 in cluster AO

Relative: Lower

Actual: 1056 ft.

HAZNET:
Gepaid: CAL000112579
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1876
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: AERO ENGINEERING & MFG CO
Telephone: (805) 295-0875
Mailing Address: 28217 AVENUE CROCKER
VALENCIA, CA 91355 - 1249
County Los Angeles

Gepaid: CAL000112579
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1876
Waste Category: Unspecified oil-containing waste
Disposal Method: Not reported
Contact: AERO ENGINEERING & MFG CO
Telephone: (805) 295-0875
Mailing Address: 28217 AVENUE CROCKER
VALENCIA, CA 91355 - 1249
County Los Angeles

Gepaid: CAL000112579
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2293
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: AERO ENGINEERING & MFG CO
Telephone: (805) 295-0875
Mailing Address: 28217 AVENUE CROCKER
VALENCIA, CA 91355 - 1249
County Los Angeles

AERO ENGINEERING (Continued) **S100928998**

Gepaid: CAL000112579
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1251
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: AERO ENGINEERING & MFG CO
Telephone: (805) 295-0875
Mailing Address: 28217 AVENUE CROCKER
VALENCIA, CA 91355 - 1249
County Los Angeles

Gepaid: CAL000112579
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0625
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: AERO ENGINEERING & MFG CO
Telephone: (805) 295-0875
Mailing Address: 28217 AVENUE CROCKER
VALENCIA, CA 91355 - 1249
County Los Angeles

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET record(s) in the EDR Site Report.

AO226 **SOLID CONCEPTS INC** HAZNET S102820218
NE **28231 AVENUE CROCKER** N/A
> 1 **VALENCIA, CA 91355**
8997 ft.

Site 2 of 2 in cluster AO

Relative:
Lower

Actual:
1056 ft.

HAZNET:
Gepaid: CAL000116039
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2293
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: SOLID CONCEPTS INC
Telephone: (000) 000-0000
Mailing Address: 28231 AVENUE CROCKER STE 10
VALENCIA, CA 91355 - 1276
County Los Angeles

Gepaid: CAL000116039
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6880
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Contact: SOLID CONCEPTS INC
Telephone: (000) 000-0000
Mailing Address: 28231 AVENUE CROCKER STE 10

SOLID CONCEPTS INC (Continued) **S102820218**

VALENCIA, CA 91355 - 1276
County Los Angeles

Gepaid: CAL000116039
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4500
Waste Category: Other organic solids
Disposal Method: Treatment, Incineration
Contact: SOLID CONCEPTS INC
Telephone: (000) 000-0000
Mailing Address: 28231 AVENUE CROCKER STE 10
VALENCIA, CA 91355 - 1276
County Los Angeles

Gepaid: CAL000116039
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6025
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Contact: SOLID CONCEPTS INC
Telephone: (000) 000-0000
Mailing Address: 28231 AVENUE CROCKER STE 10
VALENCIA, CA 91355 - 1276
County Los Angeles

Gepaid: CAL000116039
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2125
Waste Category: Other organic solids
Disposal Method: Not reported
Contact: SOLID CONCEPTS INC
Telephone: (000) 000-0000
Mailing Address: 28231 AVENUE CROCKER STE 10
VALENCIA, CA 91355 - 1276
County Los Angeles

Click this hyperlink while viewing on your computer to access
40 additional CA HAZNET record(s) in the EDR Site Report.

AP227 **CASTAIC BOAT AND MARINE** RCRIS-SQG 1000596100
North **30517 THE OLD RD** FINDS CAD983600636
> 1 **CASTAIC, CA 91310** HAZNET
9010 ft. CA WDS

Site 1 of 8 in cluster AP

Relative:
Lower

Actual:
1021 ft.

CASTAIC BOAT AND MARINE (Continued) **1000596100**

RCRIS:
Owner: JOHN W TRITTLER
(805) 257-4296
EPA ID: CAD983600636
Contact: DANIEL LANCASTER
(805) 257-4415
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD983600636
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8001
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: JOHN W TRITTLER
Telephone: (000) 000-0000
Mailing Address: 30517 THE OLD RD
CASTAIC, CA 91384
County Los Angeles

Gepaid: CAD983600636
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.55
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: BRIAN RONEY - GEN MGR
Telephone: (661) 257-4140
Mailing Address: 30517 THE OLD RD
CASTAIC, CA 91384
County Not reported

Gepaid: CAD983600636
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.4845
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: JOHN W TRITTLER
Telephone: (000) 000-0000
Mailing Address: 30517 THE OLD RD
CASTAIC, CA 91384
County Los Angeles

CASTAIC BOAT AND MARINE (Continued) **1000596100**

Gepaid: CAD983600636
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 3.6696
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: JOHN W TRITTLER
Telephone: (000) 000-0000
Mailing Address: 30517 THE OLD RD
CASTAIC, CA 91384
County Los Angeles

Gepaid: CAD983600636
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.5459
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: JOHN W TRITTLER
Telephone: (000) 000-0000
Mailing Address: 30517 THE OLD RD
CASTAIC, CA 91384
County Los Angeles

WDS:
Facility ID: 4 19I018911
Facility Contact John Trittler Facility Telephone (661) 257-4140
SIC Code: 3732 SIC Code 2: Not reported
Agency Name: CASTAIC BOAT & MARINE LLC
Agency Address: 30517 The Old Rd
Castaic
Agency Contact: John Trittler Agency Phone: (661) 257-4140
Design Flow: 0 Million Gal/Day Baseline Flow: 0 Million Gal/Day
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Private
Waste Type: Not reported
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
AN228 NE > 1 9008 ft. Relative: Lower Actual: 1058 ft.	**ADVANCED TECH MACHININGS** **28210 AVE CROCKER NO 304** **VALENCIA, CA 91355** **Site 6 of 7 in cluster AN**	RCRIS-SQG FINDS HAZNET	1000818219 CAD983635822

RCRIS:
- Owner: ADVANCED TECH MACHININGS (805) 257-2313
- EPA ID: CAD983635822
- Contact: JOE HOWTON (805) 257-2313
- Classification: Small Quantity Generator
- TSDF Activities: Not reported
- Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
- Gepaid: CAD983635822
- TSD EPA ID: CAT000613976
- Gen County: Los Angeles
- Tsd County: Orange
- Tons: .1042
- Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
- Disposal Method: Transfer Station
- Contact: JOE/VICKIE HOWTON
- Telephone: (805) 257-2313
- Mailing Address: 28210 AVE CROCKER #301, VALENCIA, CA 91355 - 3419
- County: Los Angeles

- Gepaid: CAD983635822
- TSD EPA ID: CAT080013352
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: 2.6062
- Waste Category: Oil/water separation sludge
- Disposal Method: Recycler
- Contact: JOE/VICKIE HOWTON
- Telephone: (805) 257-2313
- Mailing Address: 28210 AVE CROCKER #301, VALENCIA, CA 91355 - 3419
- County: Los Angeles

- Gepaid: CAC002249153
- TSD EPA ID: CAT080013352
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: .3336
- Waste Category: Unspecified oil-containing waste
- Disposal Method: Recycler
- Contact: ITAIRY USA, INC
- Telephone: (818) 887-0707
- Mailing Address: 8040 REMMET AVE, CANOGA PARK, CA 91304
- County: Los Angeles

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	ADVANCED TECH MACHININGS (Continued)		1000818219

- Gepaid: CAD983635822
- TSD EPA ID: Not reported
- Gen County: Los Angeles
- Tsd County: Orange
- Tons: 0.3
- Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
- Disposal Method: Transfer Station
- Contact: VICKIE HOWTON/PRES
- Telephone: (805) 257-2313
- Mailing Address: 28210 AVE CROCKER #301, VALENCIA, CA 91355 - 3419
- County: Not reported

- Gepaid: CAD983635822
- TSD EPA ID: CAD099452708
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: 0.4253
- Waste Category: Waste oil and mixed oil
- Disposal Method: Transfer Station
- Contact: JOE/VICKIE HOWTON
- Telephone: (805) 257-2313
- Mailing Address: 28210 AVE CROCKER #301, VALENCIA, CA 91355 - 3419
- County: Los Angeles

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET record(s) in the EDR Site Report.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
AM229 ENE > 1 9011 ft. Relative: Lower Actual: 1061 ft.	**JUPITER EXPLORATION INC.** **25600 RYE CANYON RD** **, CA** **Site 3 of 4 in cluster AM**	LOS ANGELES CO. HMS	S103945368 N/A

HMS:
- Facility Id: 020194-028771
- Area: 7A
- Facility Type: Not reported
- Permit Number: Not reported — Permit Status: Not reported
- Facility Status: OPEN
- Region: Los Angeles County:

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
AP230 North > 1 9035 ft. Relative: Lower Actual: 1022 ft.	**CRYSTAL CORPORATION** **30529 THE OLD ROAD** **CASTAIC, CA 91384** **Site 2 of 8 in cluster AP**	HAZNET	1001615078 N/A

HAZNET:
- Gepaid: CAC000729712
- TSD EPA ID: CAD000088252
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: .6000
- Waste Category: Other organic solids
- Disposal Method: Transfer Station
- Contact: DENNIS L FORD

CRYSTAL CORPORATION (Continued) — **1001615078**

Telephone: (000) 000-0000
Mailing Address: 30529 THE OLD ROAD
CASTAIC, CA 91384
County: Los Angeles

AP231 — **FINDS** — **1004443853**, **110002142397**
North
> 1
9035 ft.
CRYSTAL CORPORATION
30529 THE OLD RD.
CASTAIC, CA 91384

Relative: Lower
Actual: 1022 ft.

Site 3 of 8 in cluster AP

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Toxics Release Inventory

AP232 — **CA WDS** — **S106102841**, **N/A**
North
> 1
9035 ft.
MURCO WALL PROD INC
30529 THE OLD RD
CASTAIC, CA 91384

Relative: Lower
Actual: 1022 ft.

Site 4 of 8 in cluster AP

WDS:
Facility ID: 4 19I011819
Facility Contact: BOB LEDESMA — Facility Telephone: (661) 257-4296
SIC Code: 0 — SIC Code 2: Not reported
Agency Name: MURCO WALL PROD INC
Agency Address: 300 NE 21st St
Fort Worth
Agency Contact: JOAN BENTON — Agency Phone: (817) 626-1987
Design Flow: 0 Million Gal/Day — Baseline Flow: 0 Million Gal/Day
Facility Type: Industrial - Facility that treats and/or disposes of liquid or semisolid wastes from any servicing, producing, manufacturing or processing operation of whatever nature, including mining, gravel washing, geothermal operations, air conditioning, ship building and repairing, oil production, storage and disposal operations, water pumping.
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Private
Waste Type: Not reported
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not: All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

AQ233 — **HAZNET** — **S103971509**, **N/A**
NE
> 1
9044 ft.
AG
28343 AVENUE CROCKER
VALENCIA, CA 91355

Relative: Lower
Actual: 1056 ft.

Site 1 of 3 in cluster AQ

HAZNET:
Gepaid: CAC001265808
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.5011
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: JAG
Telephone: (000) 000-0000
Mailing Address: 28343 AVENUE CROCKER
VALENCIA, CA 91355 - 3400
County: Los Angeles

Gepaid: CAC002293049
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.6533
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: PARAMONT PICTURES INC
Telephone: (805) 294-5500
Mailing Address: 5555 MELROSE AVE
HOLLYWOOD, CA 90038
County: Los Angeles

Gepaid: CAC002293049
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1250
Waste Category: Other organic solids
Disposal Method: Not reported
Contact: PARAMONT PICTURES INC
Telephone: (805) 294-5500
Mailing Address: 5555 MELROSE AVE
HOLLYWOOD, CA 90038
County: Los Angeles

Gepaid: CAC001265808
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.5263
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: JAG
Telephone: (000) 000-0000
Mailing Address: 28343 AVENUE CROCKER
VALENCIA, CA 91355 - 3400
County: Los Angeles

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	AG (Continued)		**S103971509**
	Gepaid: CAC001265808 TSD EPA ID: CAD008252405 Gen County: Los Angeles Tsd County: Los Angeles Tons: 1.8676 Waste Category: Unspecified organic liquid mixture Disposal Method: Recycler Contact: JAG Telephone: (000) 000-0000 Mailing Address: 28343 AVENUE CROCKER VALENCIA, CA 91355 - 3400 County Los Angeles		
	Click this hyperlink while viewing on your computer to access 5 additional CA HAZNET record(s) in the EDR Site Report.		
AQ234 **NE** **> 1** **9044 ft.** **Relative:** **Lower** **Actual:** **1056 ft.**	**SABAN ENTERTAINMENT** **28343 AVENUE CROCKER** **VALENCIA, CA 91355** **Site 2 of 3 in cluster AQ** HAZNET: Gepaid: CAL000137461 TSD EPA ID: CAD008252405 Gen County: Los Angeles Tsd County: Los Angeles Tons: .2919 Waste Category: Unspecified organic liquid mixture Disposal Method: Recycler Contact: SABAN ENTERTAINMENT Telephone: (000) 000-0000 Mailing Address: 28343 AVENUE CROCKER VALENCIA, CA 91355 - 3400 County Los Angeles Gepaid: CAL000137461 TSD EPA ID: CAD008252405 Gen County: Los Angeles Tsd County: Los Angeles Tons: .4170 Waste Category: Unspecified organic liquid mixture Disposal Method: Treatment, Incineration Contact: SABAN ENTERTAINMENT Telephone: (000) 000-0000 Mailing Address: 28343 AVENUE CROCKER VALENCIA, CA 91355 - 3400 County Los Angeles	**HAZNET**	**S100934213** **N/A**

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
AN235 **NE** **> 1** **9053 ft.** **Relative:** **Lower** **Actual:** **1058 ft.**	**INGERSOLL DRESSER RAND CO** **28343 AVE CROCKER** **, CA** **Site 7 of 7 in cluster AN** HMS: Facility Id: 007811-I08264 Area: 7A Facility Type: I01 Permit Number: 000011859 Permit Status: Closed Facility Status: Closed Region: Los Angeles County:	**LOS ANGELES CO. HMS**	**U003063555** **N/A**
AQ236 **NE** **> 1** **9060 ft.** **Relative:** **Lower** **Actual:** **1056 ft.**	**DYER GRINDING** **28220 AVE CROCKER NO 409** **VALENCIA, CA 91355** **Site 3 of 3 in cluster AQ** RCRIS: Owner: FRANK DYER (805) 295-0802 EPA ID: CAD983629676 Contact: FRANK DYER (805) 295-0802 Classification: Small Quantity Generator TSDF Activities: Not reported Violation Status: No violations found FINDS: Other Pertinent Environmental Activity Identified at Site: Resource Conservation and Recovery Act Information system HAZNET: Gepaid: CAL000072394 TSD EPA ID: CAD982444481 Gen County: Ventura Tsd County: San Bernardino Tons: 0.2293 Waste Category: Unspecified oil-containing waste Disposal Method: Recycler Contact: FRANK DYER Telephone: (000) 000-0000 Mailing Address: 28220 CROCKER AVE VALENCIA, CA 91355 County Ventura Gepaid: CAL000072394 TSD EPA ID: Not reported Gen County: Los Angeles Tsd County: San Bernardino Tons: 0.45 Waste Category: Unspecified oil-containing waste Disposal Method: Transfer Station Contact: FRANK DYER OWNER Telephone: (661) 295-0802 Mailing Address: 28220 CROCKER AVE STE 409 VALENCIA, CA 91355 County Not reported	**RCRIS-SQG** **FINDS** **HAZNET** **LOS ANGELES CO. HMS**	**1000686001** **CAD983629676**

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	DYER GRINDING (Continued)		**1000686001**
	HMS: Facility Id: 019391-027714 Area: 7A Facility Type: Not reported Permit Number: Not reported Permit Status: Not reported Facility Status: OPEN Region: Los Angeles County:		
237 **NE** **> 1** **9077 ft.** **Relative:** **Lower** **Actual:** **1055 ft.**	**1X W & K MANAGEMENT CO** **28220 AVE CROCKER** **SANTA CLARITA, CA 91355** HAZNET: Gepaid: CAC000683192 TSD EPA ID: CAD008252405 Gen County: Los Angeles Tsd County: Los Angeles Tons: .0625 Waste Category: Unspecified solvent mixture Waste Disposal Method: Recycler Contact: CROCKER AVE INDUSTRIAL Telephone: (000) 000-0000 Mailing Address: CALABASAS, CA 91302 County Los Angeles	**HAZNET**	**S103947856** **N/A**
AM238 **ENE** **> 1** **9120 ft.** **Relative:** **Lower** **Actual:** **1061 ft.**	**ZIERHUT DESIGN ASSOCIATES** **25570 RYE CYN RD SUITE F** **VALENCIA, CA 91355** **Site 4 of 4 in cluster AM** RCRIS: Owner: NOT REQUIRED (415) 555-1212 EPA ID: CAD982413601 Contact: Not reported Classification: Small Quantity Generator TSDF Activities: Not reported Violation Status: No violations found FINDS: Other Pertinent Environmental Activity Identified at Site: Resource Conservation and Recovery Act Information system	**RCRIS-SQG** **FINDS**	**1000358086** **CAD982413601**
AR239 **NE** **> 1** **9170 ft.** **Relative:** **Lower** **Actual:** **1076 ft.**	**BREWER INT** **28130 AVE CROCKER NO 306** **VALENCIA, CA 91355** **Site 1 of 7 in cluster AR**	**RCRIS-SQG** **FINDS**	**1000686325** **CAD983635905**

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	BREWER INT (Continued)		**1000686325**
	RCRIS: Owner: SCOTT BREWER (805) 257-3042 EPA ID: CAD983635905 Contact: SCOTT BREWER (805) 257-3042 Classification: Small Quantity Generator TSDF Activities: Not reported Violation Status: No violations found FINDS: Other Pertinent Environmental Activity Identified at Site: Resource Conservation and Recovery Act Information system		
AR240 **NE** **> 1** **9170 ft.** **Relative:** **Lower** **Actual:** **1076 ft.**	**WEST COAST X RAY** **28150 AVE CROCKER 215** **VALENCIA, CA 91355** **Site 2 of 7 in cluster AR** RCRIS: Owner: DAVID WELSH (805) 295-5728 EPA ID: CAD983615246 Contact: DAVID WELSH (805) 295-5728 Classification: Small Quantity Generator TSDF Activities: Not reported Violation Status: No violations found FINDS: Other Pertinent Environmental Activity Identified at Site: Resource Conservation and Recovery Act Information system HAZNET: Gepaid: CAD983615246 TSD EPA ID: CAD981402522 Gen County: Los Angeles Tsd County: Kern Tons: .0833 Waste Category: Photochemicals/photoprocessing waste Disposal Method: Recycler Contact: DAVID WELSH Telephone: (805) 269-9729 Mailing Address: 25852 MCBEAN PARKWAY #811 VALENCIA, CA 91355 - 4645 County Los Angeles	**RCRIS-SQG** **FINDS** **HAZNET**	**1000597510** **CAD983615246**

AR241
NE
> 1
9170 ft.

JIM GRUBBS
28130 AVE CROCKER 331
VALENCIA, CA 91355

RCRIS-SQG **1000686548**
FINDS **CAD983638693**
HAZNET

Site 3 of 7 in cluster AR

Relative:
Lower

Actual:
1076 ft.

RCRIS:
Owner: JIM GRUBBS
(805) 257-0101
EPA ID: CAD983638693

Contact: JIM GRUBBS
(805) 257-0101

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD983638693
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2752
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Treatment, Tank
Contact: JIM GRUBBS
Telephone: (805) 257-0101
Mailing Address: 28130 AVENUE CROCKER STE 331
VALENCIA, CA 91355 - 4629
County Los Angeles

Gepaid: CAD983638693
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .9838
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: JIM GRUBBS
Telephone: (805) 257-0101
Mailing Address: 28130 AVENUE CROCKER STE 331
VALENCIA, CA 91355 - 4629
County Los Angeles

Gepaid: CAD983638693
TSD EPA ID: CAD093459485
Gen County: Los Angeles
Tsd County: Fresno
Tons: 1.1466
Waste Category: Organic liquids with metals Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Transfer Station
Contact: JIM GRUBBS
Telephone: (805) 257-0101

JIM GRUBBS (Continued) **1000686548**

Mailing Address: 28130 AVENUE CROCKER STE 331
VALENCIA, CA 91355 - 4629
County Los Angeles

Gepaid: CAD983638693
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.2933
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: JIM GRUBBS
Telephone: (805) 257-0101
Mailing Address: 28130 AVENUE CROCKER STE 331
VALENCIA, CA 91355 - 4629
County Los Angeles

Gepaid: CAD983638693
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 3.08
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: JAMES GRUBBS
Telephone: (805) 257-0101
Mailing Address: 28130 AVENUE CROCKER STE 331
VALENCIA, CA 91355 - 4629
County Not reported

Click this hyperlink while viewing on your computer to access
2 additional CA HAZNET record(s) in the EDR Site Report.

AR242
NE
> 1
9170 ft.

WESTERN LASER GRAPHICS INC
28177 AVE CROCKER
VALENCIA, CA 91355

RCRIS-SQG **1000596756**
FINDS **CAD983607367**
HAZNET

Site 4 of 7 in cluster AR

Relative:
Lower

Actual:
1076 ft.

RCRIS:
Owner: WESTERN LASER GRAPHICS INC
(805) 295-8797
EPA ID: CAD983607367

Contact: RON PHILIBERT
(805) 295-8797

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

WESTERN LASER GRAPHICS INC (Continued) **1000596756**

HAZNET:
Gepaid: CAD983607367
TSD EPA ID: CAD981402522
Gen County: Los Angeles
Tsd County: Kern
Tons: .1945
Waste Category: Metal sludge - Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Recycler
Contact: DONNA LOFTIN
Telephone: (805) 251-3878
Mailing Address: 28177 AVENUE CROCKER
VALENCIA, CA 91355 - 3440
County Los Angeles

Gepaid: CAD983607367
TSD EPA ID: CAD981402522
Gen County: Los Angeles
Tsd County: Kern
Tons: .0330
Waste Category:
Disposal Method: Recycler
Contact: DONNA LOFTIN
Telephone: (805) 251-3878
Mailing Address: 28177 AVENUE CROCKER
VALENCIA, CA 91355 - 3440
County Los Angeles

Gepaid: CAD983607367
TSD EPA ID: CAD981402522
Gen County: Los Angeles
Tsd County: Kern
Tons: .3961
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Contact: DONNA LOFTIN
Telephone: (805) 251-3878
Mailing Address: 28177 AVENUE CROCKER
VALENCIA, CA 91355 - 3440
County Los Angeles

Gepaid: CAD983607367
TSD EPA ID: CAT000613976
Gen County: Los Angeles
Tsd County: Orange
Tons: .3103
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Transfer Station
Contact: DONNA LOFTIN
Telephone: (805) 251-3878
Mailing Address: 28177 AVENUE CROCKER
VALENCIA, CA 91355 - 3440
County Los Angeles

WESTERN LASER GRAPHICS INC (Continued) **1000596756**

Gepaid: CAD983607367
TSD EPA ID: CAT000613976
Gen County: Los Angeles
Tsd County: Orange
Tons: .1251
Waste Category: Photochemicals/photoprocessing waste
Disposal Method: Recycler
Contact: DONNA LOFTIN
Telephone: (805) 251-3878
Mailing Address: 28177 AVENUE CROCKER
VALENCIA, CA 91355 - 3440
County Los Angeles

Click this hyperlink while viewing on your computer to access
29 additional CA HAZNET record(s) in the EDR Site Report.

AS243 **ROBERT BILLECI** **HAZNET** **S103646894**
ENE **25510 AVENUE STANFORD STE 105** **N/A**
> 1 **VALENCIA, CA 91355**
9184 ft.

Site 1 of 9 in cluster AS

Relative: Lower

Actual: 1066 ft.

HAZNET:
Gepaid: CAC000742640
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0417
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: ROBERT BILLECI
Telephone: (000) 000-0000
Mailing Address: 25510 AVENUE STANFORD STE 105
VALENCIA, CA 91355
County Los Angeles

AS244 **STOLL MOLDS CORP.** **LOS ANGELES CO. HMS** **S104536017**
ENE **25510 AVE STANFORD 108** **N/A**
> 1 **, CA**
9184 ft.

Site 2 of 9 in cluster AS

Relative: Lower

Actual: 1066 ft.

HMS:
Facility Id: 019446-027774
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
AS245 ENE > 1 9184 ft. Relative: Lower Actual: 1066 ft.	CYGNUS APPLICATION SOLUTION 25510 AVE STANFORD 109 , CA Site 3 of 9 in cluster AS HMS: Facility Id: 019447-027775 Area: 7A Facility Type: Not reported Permit Number: Not reported — Permit Status: Not reported Facility Status: OPEN Region: Los Angeles County:	LOS ANGELES CO. HMS	S104536018 N/A
AS246 ENE > 1 9184 ft. Relative: Lower Actual: 1066 ft.	RIVERSTAR ENTERTAINMENT COMP 25510 AVE STANFORD 101 , CA Site 4 of 9 in cluster AS HMS: Facility Id: 019443-027771 Area: 7A Facility Type: Not reported Permit Number: Not reported — Permit Status: Not reported Facility Status: OPEN Region: Los Angeles County:	LOS ANGELES CO. HMS	S104536015 N/A
AS247 ENE > 1 9184 ft. Relative: Lower Actual: 1066 ft.	TROLL TOUCH 25510 AVE STANFORD 106 , CA Site 5 of 9 in cluster AS HMS: Facility Id: 019445-027773 Area: 7A Facility Type: Not reported Permit Number: Not reported — Permit Status: Not reported Facility Status: OPEN Region: Los Angeles County:	LOS ANGELES CO. HMS	S104536016 N/A
AS248 ENE > 1 9184 ft. Relative: Lower Actual: 1066 ft.	CAUNE & CAUNE 25510 AVE STANFORD 104 , CA Site 6 of 9 in cluster AS HMS: Facility Id: 019444-027772 Area: 7A Facility Type: Not reported Permit Number: Not reported — Permit Status: Not reported Facility Status: OPEN Region: Los Angeles County:	LOS ANGELES CO. HMS	S103945345 N/A

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
AS249 ENE > 1 9209 ft. Relative: Lower Actual: 1065 ft.	OASIS 25555 AVE STANFORD , CA Site 7 of 9 in cluster AS HMS: Facility Id: 006304-023481 Area: 7A Facility Type: I01 Permit Number: 000014360 — Permit Status: Permit Facility Status: Permit Region: Los Angeles County:	LOS ANGELES CO. HMS	S105053517 N/A
AS250 ENE > 1 9209 ft. Relative: Lower Actual: 1065 ft.	OASIS WEST 25555 STANFORD AVE. VALENCIA, CA 91355 Site 8 of 9 in cluster AS FINDS: Other Pertinent Environmental Activity Identified at Site: Toxics Release Inventory	FINDS	1004441913 110000477038
AS251 ENE > 1 9209 ft. Relative: Lower Actual: 1065 ft.	OASIS CORP 25555 AVE STANFORD VALENCIA, CA 91355 Site 9 of 9 in cluster AS HAZNET: Gepaid: CAC002135873 TSD EPA ID: CAD099452708 Gen County: Los Angeles Tsd County: Los Angeles Tons: 0.417 Waste Category: Waste oil and mixed oil Disposal Method: Recycler Contact: OASIS CORP Telephone: (000) 000-0000 Mailing Address: 265 NORTH HAMILTON RD COLUMBUS, OH 43213 County Los Angeles	HAZNET	S104570366 N/A
AP252 North > 1 9220 ft. Relative: Lower Actual: 1023 ft.	COUNTY OF LOS ANGELES - NEWHALL MOOSE LO 30617 THE OLD NEWHALL, CA 91321 Site 5 of 8 in cluster AP SLIC Region 4: Facility Status: Closure Region: 4 SLIC 0073 Staff: Jenny Au Substance: Not reported	CA SLIC	S106386918 N/A

AP253
North
> 1
9220 ft.

Relative:
Lower

Actual:
1023 ft.

COUNTY OF LOS ANGELES - NEWHALL MOOSE LO — CA SLIC — S106485438
30617 THE OLD RD — N/A
NEWHALL, CA 91321

Site 6 of 8 in cluster AP

CA STATE SLIC :
Global Id : SLT4304139
Region : STATE
Assigned Name : SLICSITE
Lead Agency Contact : JENNY AU
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 0073
Responsible Party : Not reported
Recent Dtw : Not reported
Substance Released : Not reported

AT254
ENE
> 1
9238 ft.

Relative:
Lower

Actual:
1062 ft.

AEROSPACE DYNAMICS INTERNATIONAL, INC. — CA SLIC — S106387172
25575 RYE CANYON — N/A
VALENCIA, CA 91355

Site 1 of 9 in cluster AT

SLIC Region 4:
Facility Status: Closure
Region: 4
SLIC 0969B
Staff: PR
Substance: TPH, Acetone

AT255
ENE
> 1
9241 ft.

Relative:
Lower

Actual:
1062 ft.

KLAL ENGINEERING INC — HAZNET — U003063288
25575 RYE CANYON RD — CA SLIC — N/A
VALENCIA, CA 91355 — LOS ANGELES CO. HMS

Site 2 of 9 in cluster AT

HAZNET:
Gepaid: CAL000047377
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1668
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Contact: KLAL ENGINEERING INC
Telephone: (661) 257-1194
Mailing Address: 27725 AVE SCOTT
VALENCIA, CA 91355 - 1108
County Los Angeles

Gepaid: CAL000047377
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1958
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: KLAL ENGINEERING INC
Telephone: (661) 257-1194
Mailing Address: 27725 AVE SCOTT
VALENCIA, CA 91355 - 1108

KLAL ENGINEERING INC (Continued) — U003063288

County Los Angeles

Gepaid: CAL000047377
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1500
Waste Category: Waste oil and mixed oil
Disposal Method: Transfer Station
Contact: KLAL ENGINEERING INC
Telephone: (661) 257-1194
Mailing Address: 27725 AVE SCOTT
VALENCIA, CA 91355 - 1108
County Los Angeles

Gepaid: CAL000047377
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.125
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: KLAL ENGINEERING INC
Telephone: (661) 257-1194
Mailing Address: 27725 AVE SCOTT
VALENCIA, CA 91355 - 1108
County Los Angeles

CA STATE SLIC :
Global Id : SL0603702992
Region : STATE
Assigned Name : SLICSITE
Lead Agency Contact : PETER RAFTERY
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 0969B
Responsible Party : Not reported
Recent Dtw : Not reported
Substance Released : Not reported

HMS:
Facility Id: 007527-024232
Area: 7A
Facility Type: I01
Permit Number: 000184273 Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

Facility Id: 007527-I07915
Area: 7A
Facility Type: I01
Permit Number: 000012453 Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

AT256 **AEROSPACE DYNAMICS** **LOS ANGELES CO. HMS** **S105053519**
ENE **25575 RYE CANYON RD** **N/A**
> 1 **, CA**
9241 ft.

Site 3 of 9 in cluster AT

Relative: Lower

Actual: 1062 ft.

HMS:
Facility Id: 007527-025431
Area: 7A
Facility Type: I01
Permit Number: 000212386 Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

AT257 **AEROSPACE DYNAMICS INTER. INC** **LA Co. Site Mitigation** **S105254751**
ENE **25575 RYE CANYON RD** **N/A**
> 1 **, CA 91355**
9241 ft.

Site 4 of 9 in cluster AT

Relative: Lower

Actual: 1062 ft.

Site Mitigation Log:
Case Number: 01S518
Abatement Date: 05/22/02
Thomas Guide Page Numbers: 4550C1

AP258 **EBENSTEINER CO** **RCRIS-SQG** **1000904896**
North **30629 THE OLD ROAD** **FINDS** **CA0000181222**
> 1 **CASTAIC, CA 91384** **HAZNET**
9245 ft. **LOS ANGELES CO. HMS**

Site 7 of 8 in cluster AP

Relative: Lower

Actual: 1023 ft.

RCRIS:
Owner: PAUL EBENSTEINER
(818) 706-0608
EPA ID: CA0000181222
Contact: ROBERT CLEM
(805) 257-0262
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CA0000181222
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3600
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Contact: PAUL EBENSTEINER
Telephone: (818) 706-0608
Mailing Address: 30629 THE OLD RD
CASTAIC, CA 91384 - 3708
County Los Angeles

EBENSTEINER CO (Continued) **1000904896**

Gepaid: CA0000181222
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3500
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Contact: PAUL EBENSTEINER
Telephone: (818) 706-0608
Mailing Address: 30629 THE OLD RD
CASTAIC, CA 91384 - 3708
County Los Angeles

Gepaid: CA0000181222
TSD EPA ID: CAT030033681
Gen County: Los Angeles
Tsd County: 0
Tons: 2.0000
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Contact: PAUL EBENSTEINER
Telephone: (818) 706-0608
Mailing Address: 30629 THE OLD RD
CASTAIC, CA 91384 - 3708
County Los Angeles

Gepaid: CA0000181222
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0425
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: PAUL EBENSTEINER
Telephone: (818) 706-0608
Mailing Address: 30629 THE OLD RD
CASTAIC, CA 91384 - 3708
County Los Angeles

HMS:
Facility Id: 018945-027194
Area: 7
Facility Type: I09
Permit Number: 000275547 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

AR259 **ATTRACTION SERVICES** **HAZNET** **S103951250**
NE **28145 CROCKER AVE** **N/A**
> 1 **VALENCIA, CA 91355**
9246 ft.

Site 5 of 7 in cluster AR

Relative: Lower

Actual: 1081 ft.

ATTRACTION SERVICES (Continued) — **S103951250**

HAZNET:
- Gepaid: CAC001253864
- TSD EPA ID: CAT080013352
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: .4587
- Waste Category: Unspecified organic liquid mixture
- Disposal Method: Recycler
- Contact: CORPORATION
- Telephone: (000) 000-0000
- Mailing Address: 28145 CROCKER AVE, VALENCIA, CA 91355
- County: Los Angeles

- Gepaid: CAC001170832
- TSD EPA ID: CAT080013352
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: .3127
- Waste Category: Unspecified oil-containing waste
- Disposal Method: Recycler
- Contact: CORPORATION
- Telephone: (000) 000-0000
- Mailing Address: 28145 CROCKER AVE, VALENCIA, CA 91355
- County: Los Angeles

AR260 | **SHOTMAKER COMPANY, THE** | HAZNET | **S103987866**
NE | **28145 CROCKER AVENUE** | **N/A**
> 1 | **VALENCIA, CA 91355**
9246 ft.

Relative: Lower

Actual: 1081 ft.

Site 6 of 7 in cluster AR

HAZNET:
- Gepaid: CAL912125048
- TSD EPA ID: CAT000613893
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: .0750
- Waste Category: Aqueous solution with less than 10% total organic residues
- Disposal Method: Transfer Station
- Contact: STAN KRASNOFF
- Telephone: (213) 456-7210
- Mailing Address: 10909 VANOWEN ST, NORTH HOLLYWOOD, CA 91605 - 6408
- County: Los Angeles

- Gepaid: CAL912125048
- TSD EPA ID: CAT000613893
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: 0.225
- Waste Category: Aqueous solution with less than 10% total organic residues
- Disposal Method: Transfer Station
- Contact: STAN KRASNOFF
- Telephone: (213) 456-7210
- Mailing Address: 10909 VANOWEN ST, NORTH HOLLYWOOD, CA 91605 - 6408
- County: Los Angeles

SHOTMAKER COMPANY, THE (Continued) — **S103987866**

- Gepaid: CAL912125048
- TSD EPA ID: CAT000613893
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: .1251
- Waste Category: Aqueous solution with less than 10% total organic residues
- Disposal Method: Transfer Station
- Contact: STAN KRASNOFF
- Telephone: (213) 456-7210
- Mailing Address: 10909 VANOWEN ST, NORTH HOLLYWOOD, CA 91605 - 6408
- County: Los Angeles

AR261 | **SHOT MAKER THE** | RCRIS-SQG | **1000818218**
NE | **28145 CROCKER AVE** | FINDS | **CAD983635814**
> 1 | **VALENCIA, CA 91355** | HAZNET
9246 ft.

Site 7 of 7 in cluster AR

Relative: Lower

Actual: 1081 ft.

RCRIS:
- Owner: SHOTMAKER CORP, (805) 257-1444
- EPA ID: CAD983635814
- Contact: LYLE E CHRISTENSEN, (805) 257-1449
- Classification: Small Quantity Generator
- TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
- Gepaid: CAD983635814
- TSD EPA ID: CAL000113451
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: .6255
- Waste Category: Unspecified organic liquid mixture
- Disposal Method: Transfer Station
- Contact: CORPORATION - PUBLIC
- Telephone: (000) 000-0000
- Mailing Address: 28145 AVENUE CROCKER, VALENCIA, CA 91355
- County: Los Angeles

- Gepaid: CAD983635814
- TSD EPA ID: CAL000113451
- Gen County: Los Angeles
- Tsd County: Los Angeles
- Tons: .9382
- Waste Category: Unspecified organic liquid mixture
- Disposal Method: Transfer Station
- Contact: CORPORATION - PUBLIC
- Telephone: (000) 000-0000
- Mailing Address: 28145 AVENUE CROCKER

SHOT MAKER THE (Continued) **1000818218**

VALENCIA, CA 91355
County Los Angeles

Gepaid: CAD983635814
TSD EPA ID: CAL000113451
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2919
Waste Category: Unspecified organic liquid mixture
Disposal Method: Transfer Station
Contact: CORPORATION - PUBLIC
Telephone: (000) 000-0000
Mailing Address: 28145 AVENUE CROCKER
VALENCIA, CA 91355
County Los Angeles

AP262 **CHMIRS S100279769**
North **N/B I-5, CASTAIC INSP FACILITY** **N/A**
> 1 **SANTA CLARITA, CA**
9247 ft.

Site 8 of 8 in cluster AP

Relative: Lower

Actual: 1039 ft.

CHMIRS:

OES Control Number:	9010073
Chemical Name:	Not reported
Extent of Release:	Not reported
Property Use:	099
Incident Date:	09-FEB-90
Date Completed:	09-FEB-90
Time Completed :	645
Agency Id Number :	66
Agency Incident Number :	90-027
OES Incident Number :	9010073
Time Notified :	15
Surrounding Area :	099
Estimated Temperature :	Not reported
Property Management :	S
More Than Two Substances Involved? :	Not reported
Special Studies 1 :	Not reported
Special Studies 2 :	Not reported
Special Studies 3 :	Not reported
Special Studies 4 :	Not reported
Special Studies 5 :	Not reported
Special Studies 6 :	Not reported
Responding Agency Personel # Of Injuries :	0
Responding Agency Personel # Of Fatalities :	0
Resp Agncy Personel # Of Decontaminated :	0
Others Number Of Decontaminated :	0
Others Number Of Injuries :	0
Others Number Of Fatalities :	0
Vehicle Make/year :	Not reported
Vehicle License Number :	Not reported
Vehicle State :	Not reported
Vehicle Id Number :	Not reported
CA/DOT/PUC/ICC Number :	Not reported
Company Name :	Not reported
Reporting Officer Name/ID :	L. ACEVEDO #8721
Report Date :	20-MAR-90
Comments :	Not reported

(Continued) **S100279769**

Facility Telephone Number :	916 327-3310
Waterway Involved :	Not reported
Waterway :	Not reported
Spill Site :	Not reported
Cleanup By :	Not reported
Containment :	Not reported
What Happened :	Not reported
Type :	Not reported
Other :	Not reported
Chemical 1 :	Not Reported
Chemical 2 :	Not Reported
Chemical 3 :	Not Reported
Date/Time :	Not reported
Evacuations :	Not reported
True date :	Not reported
Year :	88-92
Agency :	Not reported
BBLS :	Not reported
Cups :	Not reported
CUFT :	Not reported
Gallons :	Not reported
Grams :	Not reported
Pounds :	Not reported
Liters :	Not reported
Ounces :	Not reported
Pints :	Not reported
Quarts :	Not reported
Sheen :	Not reported
Tons :	Not reported
Unknown :	Not reported
Description :	Not reported
Incident date :	Not reported
Admin Agency :	Not reported
OES date :	Not reported
OES time :	Not reported
Amount :	Not reported

AU263 **THE PRINT HOUSE** **RCRIS-SQG 1000594893**
NE **28170 AVE CROCKER SUITE 200** **FINDS CAD983587775**
> 1 **VALENCIA, CA 91355**
9248 ft.

Site 1 of 4 in cluster AU

Relative: Lower

Actual: 1167 ft.

RCRIS:
Owner: MORSE JACQUELINE
(415) 555-1212
EPA ID: CAD983587775
Contact: JACQUELINE MORSE
(805) 257-0525
Classification: Small Quantity Generator
TSDF Activities: Not reported

THE PRINT HOUSE (Continued) — **1000594893**

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

AU264 — **MS SHIRT** — RCRIS-SQG 1000686119 / FINDS CAD983633447
NE — 28170 CROCKER AVE NO 102
> 1 — VALENCIA, CA 91355
9248 ft.

Site 2 of 4 in cluster AU

Relative: Lower

Actual: 1167 ft.

RCRIS:
Owner: MATTHEW MINGOIA
(805) 257-3110
EPA ID: CAD983633447
Contact: MATTHEW MINGOIA
(805) 257-3110
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

AT265 — **AVG INC** — HAZNET S103646953 / LOS ANGELES CO. HMS N/A
ENE — 25571 RYE CANYON RD
> 1 — VALENCIA, CA 91355
9280 ft.

Site 5 of 9 in cluster AT

Relative: Lower

Actual: 1062 ft.

HAZNET:
Gepaid: CAD982511834
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2293
Waste Category: Organic monomer waste (includes unreacted resins)
Disposal Method: Transfer Station
Contact: AVG INC
Telephone: (805) 257-2150
Mailing Address: 9144 DEERING AVENUE
CHATSWORTH, CA 91311
County Los Angeles

Gepaid: CAD982511834
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.5284
Waste Category: Empty containers less than 30 gallons
Disposal Method: Transfer Station
Contact: AVG INC
Telephone: (805) 257-2150
Mailing Address: 9144 DEERING AVENUE

AVG INC (Continued) — **S103646953**

CHATSWORTH, CA 91311
County Los Angeles

HMS:
Facility Id: 008164-020433
Area: 7A
Facility Type: I09
Permit Number: 000084882 — Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

AT266 — **KLM LABORATORIES INC** — LOS ANGELES CO. HMS U003063228
ENE — 25570 RYE CANYON RD C — N/A
> 1 — , CA
9280 ft.

Site 6 of 9 in cluster AT

Relative: Lower

Actual: 1062 ft.

HMS:
Facility Id: 007463-I07839
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AT267 — **P S I** — LOS ANGELES CO. HMS S103945364
ENE — 25570 RYE CANYON RD E — N/A
> 1 — , CA
9280 ft.

Site 7 of 9 in cluster AT

Relative: Lower

Actual: 1062 ft.

HMS:
Facility Id: 020191-028767
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AT268 — **LANDMARK ROBOSHOP INC** — RCRIS-SQG 1000190461 / FINDS CAD982511834
ENE — 25571 RYE CANYON RD — LOS ANGELES CO. HMS
> 1 — VALENCIA, CA 91355
9280 ft.

Site 8 of 9 in cluster AT

Relative: Lower

Actual: 1062 ft.

RCRIS:
Owner: LANDMARK ENTERTAINMENT
(415) 555-1212
EPA ID: CAD982511834
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported

LANDMARK ROBOSHOP INC (Continued) — **1000190461**

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HMS:
Facility Id: 008164-I08683
Area: 7A
Facility Type: I01
Permit Number: 000012175 — Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

Facility Id: 001508-001582
Area: 1J
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AT269 — **AEROSPACE DYNAMICS INTL** — **LOS ANGELES CO. HMS** — **S105193858**
ENE — **25571 RYE CANYON RD** — **N/A**
> 1 — **, CA**
9280 ft.

Site 9 of 9 in cluster AT

Relative: Lower
Actual: 1062 ft.

HMS:
Facility Id: 008164-036602
Area: 7A
Facility Type: I09
Permit Number: 000327748 — Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

AU270 — **REGENCY ALUMINUM PRODUCTS, INC** — **LOS ANGELES CO. HMS** — **S102064542**
NE — **28106 AVE CROCKER** — **N/A**
> 1 — **, CA**
9292 ft.

Site 3 of 4 in cluster AU

Relative: Lower
Actual: 1134 ft.

HMS:
Facility Id: 008567-021604
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AU271 — **3D SYSTEMS** — **LOS ANGELES CO. HMS** — **U003064198**
NE — **28106 AVE CROCKER** — **N/A**
> 1 — **, CA**
9292 ft.

Site 4 of 4 in cluster AU

Relative: Lower
Actual: 1134 ft.

HMS:
Facility Id: 008567-I15499
Area: 7A
Facility Type: I01
Permit Number: 00010526A — Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

AV272 — **LAIDLAW WASTE SYSTEMS INC** — **LOS ANGELES CO. HMS** — **S102064584**
West — **29201 W HENRY MAYO DR** — **N/A**
> 1 — **, CA**
9426 ft.

Site 1 of 3 in cluster AV

Relative: Lower
Actual: 1034 ft.

HMS:
Facility Id: 005897-006111
Area: 7
Facility Type: T0
Permit Number: 00005841T — Permit Status: Closed
Facility Status: Permit
Region: Los Angeles County:

AV273 — **UNIVERSAL BY-PRODUCTS-VALENCIA** — **WMUDS/SWAT** — **S103441396**
West — **29201 SAUGUS-VENTURA ROAD** — **N/A**
> 1 — **VALENCIA, CA**
9426 ft.

Site 2 of 3 in cluster AV

Relative: Lower
Actual: 1034 ft.

WMUDS:

Region:	4
Date of Last Facility Edit:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System ID:	4 190133NUR
Solid Waste Information ID:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Facility Name:	Not reported
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act Program:	False
Department of Defense:	False
Open to Public:	False
Number of WMUDS at Facility:	1
Facility Telephone:	Not reported
Primary Standard Industrial Classification:	Not reported
Secondary Standard Industrial Classification:	Not reported
Solid Waste Assessment Test Program Name:	UNIVERSAL BY-PRODUCTS
NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Sub Chapter 15:	False
Reg. Board Project Officer:	LT
Section Range:	Not reported

UNIVERSAL BY-PRODUCTS-VALENCIA (Continued) — **S103441396**

RCRA Facility: Not reported
Waste Discharge Requirements: Not reported
Base Meridian: Not reported
Waste List: False
Facility Description: Not reported
Self-Monitoring Rept. Frequency: Not reported
Threat to Water Quality: Not reported
Agency: UNIVERSAL BY-PRODUCTS
Address: Not reported
Department: Not reported
Contact: Not reported
Telephone: Not reported
Landowner: Not reported
Address: CA
Telephone: Not reported
Contact: Not reported

AV274 — **CHIQUITA CANYON LANDFILL** — LOS ANGELES CO. HMS — 1001865073 / N/A
West > 1 9426 ft.
29201 W HENRY MAYO DR
, CA

Relative: Lower
Actual: 1034 ft.

Site 3 of 3 in cluster AV

HMS:
Facility Id: 005897-I06111
Area: 7
Facility Type: I08
Permit Number: 00008047C — Permit Status: Closed
Facility Status: Permit
Region: Los Angeles County:

Facility Id: 005897-037921
Area: 7
Facility Type: I09
Permit Number: 000366573 — Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

Facility Id: 005897-037920
Area: 7
Facility Type: T0
Permit Number: 000357253 — Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

AW275 — **RANCH HOUSE INN** — LOS ANGELES CO. HMS — U003061931 / N/A
East > 1 9442 ft.
27413 N TOURNEY RD
, CA

Relative: Lower
Actual: 1115 ft.

Site 1 of 3 in cluster AW

HMS:
Facility Id: 005955-I06169
Area: 7A
Facility Type: I01
Permit Number: 00008465B — Permit Status: Closed
Facility Status: Permit
Region: Los Angeles County:

AW276 — **BEST WESTERN RANCH HOUSE INN** — LOS ANGELES CO. HMS — S102064497 / N/A
East > 1 9442 ft.
27413 N TOURNEY RD
, CA

Relative: Lower
Actual: 1115 ft.

Site 2 of 3 in cluster AW

HMS:
Facility Id: 005955-021192
Area: 7A
Facility Type: I01
Permit Number: 000098163 — Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

AW277 — **RANCH HOUSE INN** — HAZNET — S103648689 / N/A
East > 1 9442 ft.
27413 NORTH TOURNEY ROAD
VALENCIA, CA 00000

Relative: Lower
Actual: 1115 ft.

Site 3 of 3 in cluster AW

HAZNET:
Gepaid: CAC000718512
TSD EPA ID: CAD982482390
Gen County: Los Angeles
Tsd County: Santa Cruz
Tons: 3.3712
Waste Category: Asbestos-containing waste
Disposal Method: Disposal, Land Fill
Contact: UNIDEN PROPERTIES
Telephone: (000) 000-0000
Mailing Address: 27413 NORTH TOURNEY ROAD
VALENCIA, CA 00000
County: Los Angeles

AX278 — **28238 CROCKER AVENUE** — ERNS — 90167171 / N/A
NE > 1 9458 ft.
28238 CROCKER AVENUE
SANTA CLARITA, CA 91355

Relative: Lower
Actual: 1059 ft.

Site 1 of 6 in cluster AX

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

AX279 — **KEEBLER BAKING** — HAZNET — S105036440 / N/A
NE > 1 9458 ft.
28238 AVE. CROCKER
VALENCIA, CA 91355

Relative: Lower
Actual: 1059 ft.

Site 2 of 6 in cluster AX

HAZNET:
Gepaid: CAC000978568
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.2510
Waste Category: Tank bottom waste
Disposal Method: Recycler
Contact: KEEBLER BAKING
Telephone: (708) 833-2900

KEEBLER BAKING (Continued) — **S105036440**

Mailing Address: 1 HOLLOW TREE LANE
ELMHURST, IL 60126
County: Los Angeles

AX280 | **I W INDUSTRIES INC** | RCRIS-SQG 1004676103
NE | **28238 AVENUE CROCKER** | FINDS CAR000080879
> 1 | **VALENCIA, CA 91355** | HAZNET
9458 ft. | | CA WDS

Site 3 of 6 in cluster AX

Relative: Lower

Actual: 1059 ft.

RCRIS:
Owner: I W INDUSTRIES INC
(516) 293-9494
EPA ID: CAR000080879
Contact: DAVID SHERWIM
(661) 257-6806
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAR000080879
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.45
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Contact: MIKE HOLLEY PLANT MANAGER
Telephone: (661) 257-6806
Mailing Address: 28238 AVENUE CROCKER
VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000080879
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.75
Waste Category: Unspecified aqueous solution
Disposal Method: Disposal, Other
Contact: MIKE HOLLEY PLANT MANAGER
Telephone: (661) 257-6806
Mailing Address: 28238 AVENUE CROCKER
VALENCIA, CA 91355
County: Not reported

I W INDUSTRIES INC (Continued) — **1004676103**

Gepaid: CAR000080879
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 7.60
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: MIKE HOLLEY PLANT MANAGER
Telephone: (661) 257-6806
Mailing Address: 28238 AVENUE CROCKER
VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000080879
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 5.00
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Land Fill
Contact: MIKE HOLLEY PLANT MANAGER
Telephone: (661) 257-6806
Mailing Address: 28238 AVENUE CROCKER
VALENCIA, CA 91355
County: Not reported

Gepaid: CAR000080879
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.68
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: MIKE HOLLEY PLANT MANAGER
Telephone: (661) 257-6806
Mailing Address: 28238 AVENUE CROCKER
VALENCIA, CA 91355
County: Not reported

Click this hyperlink while viewing on your computer to access
5 additional CA HAZNET record(s) in the EDR Site Report.

WDS:
Facility ID: 4 19I016111
Facility Contact: David Sherwin — Facility Telephone: (661) 257-6806
SIC Code: 0 — SIC Code 2: Not reported
Agency Name: I W INDUSTRIES
Agency Address: Not reported
Agency Contact: Not reported — Agency Phone: Not reported
Design Flow: 0 Million Gal/Day — Baseline Flow: 0 Million Gal/Day
Facility Type: Other - Does not fall into the category of Municipal/Domestic, Industrial, Agricultural or Solid Waste (Class I, II or III)
Facility Status: Active - Any facility with a continuous or seasonal discharge that is under Waste Discharge Requirements.
Agency Type: Private
Waste Type: Not reported
Threat to Water: Minor Threat to Water Quality. A violation of a regional board order should cause a relatively minor impairment of beneficial uses compared to a major or minor threat. Not:

I W INDUSTRIES INC (Continued) 1004676103

All nurds without a TTWQ will be considered a minor threat to water quality unless coded at a higher Level. A Zero (0) may be used to code those NURDS that are found to represent no threat to water quality.
Complexity: Category C - Facilities having no waste treatment systems, such as cooling water dischargers or thosewho must comply through best management practices, facilities with passive waste treatment and disposal systems, such as septic systems with subsurface disposal, or dischargers having waste storage systems with land disposal such as dairy waste ponds.
Reclamation: Not reported
POTW: Not reported
NPDES Number: CAS000001 The 1st 2 characters designate the state. The remaining 7 are assigned by the Regional Board
Subregion: 4

AX281 **PARAMOUNT DESIGNS** LOS ANGELES CO. HMS S104913323
NE **28238 AVE CROCKER** N/A
> 1 **, CA**
9458 ft.

Site 4 of 6 in cluster AX

Relative: Lower

Actual: 1059 ft.

HMS:
Facility Id: 009936-036687
Area: 7A
Facility Type: I09
Permit Number: 000325455 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

Facility Id: 026428-036036
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

AX282 **KEEBLER COMPANY** HIST UST U001567864
NE **28238 CROCKER AVENUE** N/A
> 1 **VALENCIA, CA 91355**
9458 ft.

Site 5 of 6 in cluster AX

Relative: Lower

Actual: 1059 ft.

UST HIST:
Facility ID: 67079 Owner Name: KEEBLER COMPANY
Total Tanks: 1 Region: STATE
Owner Address: ONE HOLLOW TREE LANE
ELMHURST, OH 60126
Tank Used for: WASTE
Tank Num: 1 Container Num: 1
Tank Capacity: 00010000 Year Installed: 1985
Type of Fuel: 4 Tank Construction: X centimeters
Leak Detection: Sensor Instrument
Contact Name: BOYD WESTOVER Telephone: (805) 257-2296
Facility Type: Other Other Type: INDUSTRIAL

AX283 **KEEBLER DISTRIBUTION** LOS ANGELES CO. HMS U002283079
NE **28238 AVE CROCKER** N/A
> 1 **, CA**
9458 ft.

Site 6 of 6 in cluster AX

Relative: Lower

Actual: 1059 ft.

HMS:
Facility Id: 009936-009783
Area: 7A
Facility Type: T0
Permit Number: 00001082T Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

Facility Id: 009936-I09783
Area: 7A
Facility Type: I01
Permit Number: 000147167 Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

AY284 **BUTLER IND, INC** RCRIS-SQG 1000280921
ENE **25540 RYE C CANYON RD** FINDS CAD097474613
> 1 **VALENCIA, CA 91355**
9573 ft.

Site 1 of 4 in cluster AY

Relative: Lower

Actual: 1064 ft.

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD097474613
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

AY285 **GRAN CLASSIC COACH** LOS ANGELES CO. HMS S102064389
ENE **25540 RYE CANYON RD** N/A
> 1 **, CA**
9573 ft.

Site 2 of 4 in cluster AY

Relative: Lower

Actual: 1064 ft.

HMS:
Facility Id: 014567-015183
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: Removed
Region: Los Angeles County:

Facility Id: 014567-022968
Area: 7A
Facility Type: I09
Permit Number: 000327242 Permit Status: Permit

GRAN CLASSIC COACH (Continued) **S102064389**

Facility Status: Permit
Region: Los Angeles County:

AY286
ENE
> 1
9573 ft.

Relative:
Lower

Actual:
1064 ft.

AEROSPACE DYNAMICS INTERN INC **HAZNET** **S103646912**
25540 RYE CANYON ROAD **N/A**
VALENCIA, CA 91355

Site 3 of 4 in cluster AY

HAZNET:

Gepaid: CAL000031967
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 13.7610
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: MARVIN ENGINEERING COMPANY
Telephone: (000) 000-0000
Mailing Address: 25540 RYE CANYON RD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000031967
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8338
Waste Category: Laboratory waste chemicals
Disposal Method: Transfer Station
Contact: MARVIN ENGINEERING COMPANY
Telephone: (000) 000-0000
Mailing Address: 25540 RYE CANYON RD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000031967
TSD EPA ID: CAD000088252
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0025
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Transfer Station
Contact: MARVIN ENGINEERING COMPANY
Telephone: (000) 000-0000
Mailing Address: 25540 RYE CANYON RD
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000031967
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6463
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: MARVIN ENGINEERING COMPANY
Telephone: (000) 000-0000
Mailing Address: 25540 RYE CANYON RD
VALENCIA, CA 91355

AEROSPACE DYNAMICS INTERN INC (Continued) **S103646912**

County Los Angeles

Gepaid: CAL000031967
TSD EPA ID: CAT080022148
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .6000
Waste Category: Other organic solids
Disposal Method: Transfer Station
Contact: MARVIN ENGINEERING COMPANY
Telephone: (000) 000-0000
Mailing Address: 25540 RYE CANYON RD
VALENCIA, CA 91355
County Los Angeles

Click this hyperlink while viewing on your computer to access
52 additional CA HAZNET record(s) in the EDR Site Report.

AY287
ENE
> 1
9573 ft.

Relative:
Lower

Actual:
1064 ft.

ADI FACILITY INC. **LUST** **S102423700**
25540 RYE CANYON RD **Cortese** **N/A**
VALENCIA, CA 91355 **CA SLIC**

Site 4 of 4 in cluster AY

State LUST:

Cross Street: BEALE CT
Qty Leaked: Not reported
Case Number I-15183
Reg Board: Los Angeles Region
Chemical: Water & Oil Mix
Lead Agency: Regional Board
Local Agency : 19000
Case Type: Other ground water affected
Status: Case Closed
Review Date: Not reported — Confirm Leak: Not reported
Workplan: Not reported — Prelim Assess: Not reported
Pollution Char: 1990-03-12 00:00:00 — Remed Plan: 1990-03-12 00:00:00
Remed Action: Not reported
Monitoring: Not reported
Close Date: 1996-09-18 00:00:00
Release Date: 1990-04-19 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1990-03-26 00:00:00
Enforcement Dt : Not reported
Enf Type: Not reported
Enter Date : 1990-06-12 00:00:00
Funding: Federal Funds
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Not Required to be Tested.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported

ADI FACILITY INC. (Continued) **S102423700**

Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : WOOTEN,
Oversight Prgm: LUST
Review Date : 2000-03-22 00:00:00
Stop Date : 1990-03-26
Work Suspended :Not reported
Responsible PartyADI FACILITY INC.
RP Address: 1313 TIERRA REJADA, SIMI VAL
Global Id: T0603704271
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 4/19/1990
Lead Agency: Regional Board
Local Agency: 19000
Substance: Water & Oil Mix
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 3/22/2000
Date Leak Record Entered: 6/12/1990
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc In Groundwater: Not reported
Hist Max MTBE Conc In Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: ADI FACILITY INC.
RP Address: 1313 TIERRA REJADA, SIMI VALLEY CA 93065
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34.4356226 / -1
Local Agency Staff: Not reported
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : Not reported
Abatement Method Used at the Site: Not reported
Operator : WOOTEN, STEPHEN
Water System : Not reported

ADI FACILITY INC. (Continued) **S102423700**

Well Name : Not reported
Approx. Dist To Production Well (ft) : 2315.2145648357475854767894682
Assigned Name : Not reported
W Global ID : Not reported
Source of Cleanup Funding: Federal Funds
Date the Leak was Discovered: 3/26/1990
How the Leak was Discovered: Tank Closure
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: 3/26/1990
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: 3/12/1990
Remedial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 9/18/1996
Enforcement Action Date: Not reported
Date Leak First Reported: 4/19/1990
Enforcement Type: Not reported
Global ID : T0603704271
Cross Street: BEALE CT
Summary :

CORTESE:
Region: CORTESE
Fac Address 2: 25540 RYE CANYON RD

CA STATE SLIC :
Global Id : SL204DA2384
Region : STATE
Assigned Name : SLICSITE
Lead Agency Contact : PETER RAFTERY
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 0969
Responsible Party : Forrest Machining
Recent Dtw : Not reported
Substance Released : Not reported

SLIC Region 4:
Facility Status: Closure
Region: 4
SLIC 0969
Staff: PR
Substance: TPH

AZ288 **PROPOSED SCHOOL BUS STOP** **CA SLIC S103878798**
NW **28300 LIVINGSTON** **N/A**
> 1 **CASTAIC, CA 91384**
9725 ft.

Site 1 of 4 in cluster AZ

Relative:
Lower

Actual:
1102 ft.

SLIC Region 4:
Facility Status: Closure
Region: 4
SLIC 0834
Staff: Jenny Au
Substance: TPH

AZ289
NW
> 1
9725 ft.

Relative:
Lower

Actual:
1102 ft.

PROPOSED SCHOOL BUS STOP
28300 LIVINGSTON AVE
CASTAIC, CA 91384

CA SLIC **S106485857**
N/A

Site 2 of 4 in cluster AZ

CA STATE SLIC :
Global Id : SLT43640638
Region : STATE
Assigned Name : SLICSITE
Lead Agency Contact : JENNY AU
Lead Agency : LOS ANGELES RWQCB (REGION 4)
Lead Agency Case Number : 0834
Responsible Party : Not reported
Recent Dtw : Not reported
Substance Released : Not reported

AZ290
NW
> 1
9755 ft.

Relative:
Lower

Actual:
1103 ft.

PHARMAVITE LLC
28305 W LIVINGSTON AVE
VALENCIA, CA 91355

FINDS **1001815586**
HAZNET **CAR000057190**
RCRIS-LQG

Site 3 of 4 in cluster AZ

RCRIS:
Owner: OTSUKA AMERICA INC
(415) 986-5300
EPA ID: CAR000057190

Contact: TIM COFFMAN
(818) 837-3633

Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAR000057190
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.08
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Recycler
Contact: TIM COFFMAN MGR REG COMPLIANCE
Telephone: (818) 221-6200
Mailing Address: PO BOX 9606
MISSION HILLS, CA 91346
County Not reported

PHARMAVITE LLC (Continued) **1001815586**

Gepaid: CAR000057190
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 107.84
Waste Category: Baghouse waste
Disposal Method: Disposal, Land Fill
Contact: TIM COFFMAN MGR REG COMPLIANCE
Telephone: (818) 221-6200
Mailing Address: PO BOX 9606
MISSION HILLS, CA 91346
County Not reported

Gepaid: CAR000057190
TSD EPA ID: NVT330010000
Gen County: Los Angeles
Tsd County: 99
Tons: 17.6988
Waste Category: Baghouse waste
Disposal Method: Disposal, Land Fill
Contact: OTSUKA AMERICA INC
Telephone: (000) 000-0000
Mailing Address: 15451 SAN FERNANDO MISSION BLV
MISSION HILLS, CA 91345
County Los Angeles

Gepaid: CAR000057190
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: 99
Tons: 143.69
Waste Category: Baghouse waste
Disposal Method: Disposal, Land Fill
Contact: TIM COFFMAN MGR REG COMPLIANCE
Telephone: (818) 221-6200
Mailing Address: PO BOX 9606
MISSION HILLS, CA 91346
County Not reported

Gepaid: CAR000057190
TSD EPA ID: NVT330010000
Gen County: Los Angeles
Tsd County: 99
Tons: 18.5416
Waste Category: Baghouse waste
Disposal Method: Not reported
Contact: OTSUKA AMERICA INC
Telephone: (000) 000-0000
Mailing Address: 15451 SAN FERNANDO MISSION BLV
MISSION HILLS, CA 91345
County Los Angeles

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET record(s) in the EDR Site Report.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
AZ291 NW > 1 9793 ft. Relative: Lower Actual: 1106 ft.	PHARMAVITE CORP 28310 W LIVINGSTON AVE VALENCIA, CA 91355	HAZNET LOS ANGELES CO. HMS	1001959798 N/A

Site 4 of 4 in cluster AZ

HAZNET:

Gepaid:	CAR000064444
TSD EPA ID:	Not reported
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	0.62
Waste Category:	Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method:	Recycler
Contact:	TIM COFFMAN MGR REG COMPLIANCE
Telephone:	(818) 221-6200
Mailing Address:	PO BOX 9606 MISSION HILLS, CA 91346
County	Not reported

Gepaid:	CAR000064444
TSD EPA ID:	Not reported
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	0.54
Waste Category:	Unspecified solvent mixture Waste
Disposal Method:	Recycler
Contact:	TIM COFFMAN MGR REG COMPLIANCE
Telephone:	(818) 221-6200
Mailing Address:	PO BOX 9606 MISSION HILLS, CA 91346
County	Not reported

Gepaid:	CAR000064444
TSD EPA ID:	Not reported
Gen County:	Los Angeles
Tsd County:	San Bernardino
Tons:	0.03
Waste Category:	Other organic solids
Disposal Method:	Not reported
Contact:	TIM COFFMAN MGR REG COMPLIANCE
Telephone:	(818) 221-6200
Mailing Address:	PO BOX 9606 MISSION HILLS, CA 91346
County	Not reported

Gepaid:	CAR000064444
TSD EPA ID:	Not reported
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	12.50
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Recycler
Contact:	TIM COFFMAN MGR REG COMPLIANCE
Telephone:	(818) 221-6200
Mailing Address:	PO BOX 9606 MISSION HILLS, CA 91346
County	Not reported

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	PHARMAVITE CORP (Continued)		1001959798

Gepaid:	CAR000064444
TSD EPA ID:	Not reported
Gen County:	Los Angeles
Tsd County:	99
Tons:	8.42
Waste Category:	Baghouse waste
Disposal Method:	Disposal, Land Fill
Contact:	TIM COFFMAN MGR REG COMPLIANCE
Telephone:	(818) 221-6200
Mailing Address:	PO BOX 9606 MISSION HILLS, CA 91346
County	Not reported

Click this hyperlink while viewing on your computer to access
9 additional CA HAZNET record(s) in the EDR Site Report.

HMS:

Facility Id:	020797-037829		
Area:	7		
Facility Type:	I01		
Permit Number:	000016215	Permit Status:	Permit
Facility Status:	Permit		
Region:	Los Angeles County:		

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
BA292 ENE > 1 9915 ft. Relative: Lower Actual: 1071 ft.	BRIMAR INC. 25358 AVE STANFORD , CA	LOS ANGELES CO. HMS	S104536014 N/A

Site 1 of 4 in cluster BA

HMS:

Facility Id:	019441-027769		
Area:	7A		
Facility Type:	Not reported		
Permit Number:	Not reported	Permit Status:	Not reported
Facility Status:	OPEN		
Region:	Los Angeles County:		

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
BA293 ENE > 1 9915 ft. Relative: Lower Actual: 1071 ft.	CINTEL INC 25358 AVE STANFORD VALENCIA, CA 91355	HAZNET LOS ANGELES CO. HMS	S103956424 N/A

Site 2 of 4 in cluster BA

HAZNET:

Gepaid:	CAC001332000
TSD EPA ID:	WAD991281767
Gen County:	Los Angeles
Tsd County:	99
Tons:	.0075
Waste Category:	Off-specification, aged, or surplus organics
Disposal Method:	Treatment, Incineration
Contact:	CINTEL INC
Telephone:	(805) 294-2310
Mailing Address:	25358 AVE STANFORD VALENCIA, CA 91355
County	Los Angeles

CINTEL INC (Continued) — **S103956424**

Gepaid: CAC001332000
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1251
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Contact: CINTEL INC
Telephone: (805) 294-2310
Mailing Address: 25358 AVE STANFORD
VALENCIA, CA 91355
County: Los Angeles

Gepaid: CAC001332000
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0050
Waste Category: Off-specification, aged, or surplus inorganics
Disposal Method: Not reported
Contact: CINTEL INC
Telephone: (805) 294-2310
Mailing Address: 25358 AVE STANFORD
VALENCIA, CA 91355
County: Los Angeles

HMS:
Facility Id: 019442-027770
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

BB294 North / > 1 / 9934 ft. / Relative: Lower / Actual: 1037 ft.
TEXACO INC-REG COMPLIANCE — LOS ANGELES CO. HMS — U003056783 / N/A
29300 N THE OLD RD
, CA

Site 1 of 2 in cluster BB

HMS:
Facility Id: 000349-I04677
Area: 7
Facility Type: I02
Permit Number: 000005320 — Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

BB295 North / > 1 / 9934 ft. / Relative: Lower / Actual: 1037 ft.
PETER J PITCHESS HONOR RANCHO — LOS ANGELES CO. HMS — U003056782 / N/A
29300 N THE OLD RD
, CA

Site 2 of 2 in cluster BB

HMS:
Facility Id: 000349-I00351
Area: 7
Facility Type: I02
Permit Number: 000003573 — Permit Status: Permit

PETER J PITCHESS HONOR RANCHO (Continued) — **U003056782**

Facility Status: Permit
Region: Los Angeles County:

Facility Id: 008963-000351
Area: 7
Facility Type: T0
Permit Number: 00004643T — Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

BC296 ENE / > 1 / 9959 ft. / Relative: Lower / Actual: 1068 ft.
WINDMILL CHRISTMAS TREE FARM — LOS ANGELES CO. HMS — S103945343 / N/A
25500 RYE CANYON RD
, CA

Site 1 of 3 in cluster BC

HMS:
Facility Id: 019654-027963
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

BD297 NE / > 1 / 9972 ft. / Relative: Lower / Actual: 1095 ft.
3D SYSTEMS INC — HAZNET, LOS ANGELES CO. HMS — U003064213 / N/A
26081 AVENUE HALL
VALENCIA, CA 91355

Site 1 of 2 in cluster BD

HAZNET:
Gepaid: CAL000015866
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.3500
Waste Category: Off-specification, aged, or surplus organics
Disposal Method: Recycler
Contact: 3D SYSTEMS INC
Telephone: (000) 000-0000
Mailing Address: 26081 AVENUE HALL
VALENCIA, CA 91355 - 1274
County: Los Angeles

Gepaid: CAL000015866
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .9000
Waste Category:
Disposal Method: Recycler
Contact: 3D SYSTEMS INC
Telephone: (000) 000-0000
Mailing Address: 26081 AVENUE HALL
VALENCIA, CA 91355 - 1274
County: Los Angeles

3D SYSTEMS INC (Continued) — **U003064213**

Gepaid: CAL000015866
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.1250
Waste Category: Unspecified organic liquid mixture
Disposal Method: Treatment, Incineration
Contact: 3D SYSTEMS INC
Telephone: (000) 000-0000
Mailing Address: 26081 AVENUE HALL
VALENCIA, CA 91355 - 1274
County Los Angeles

Gepaid: CAL000015866
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.5875
Waste Category: Other organic solids
Disposal Method: Treatment, Incineration
Contact: 3D SYSTEMS INC
Telephone: (000) 000-0000
Mailing Address: 26081 AVENUE HALL
VALENCIA, CA 91355 - 1274
County Los Angeles

Gepaid: CAL000015866
TSD EPA ID: CAD044429835
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.3250
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: 3D SYSTEMS INC
Telephone: (000) 000-0000
Mailing Address: 26081 AVENUE HALL
VALENCIA, CA 91355 - 1274
County Los Angeles

Click this hyperlink while viewing on your computer to access
42 additional CA HAZNET record(s) in the EDR Site Report.

HMS:
Facility Id: 008580-I15530
Area: 7A
Facility Type: I01
Permit Number: 000010905 Permit Status: Closed
Facility Status: Permit
Region: Los Angeles County:

BD298 **3 D SYSTEMS INC** — **FINDS 1001959932**
NE **26081 AVENUE HALL** — **HAZNET CAR000066415**
> 1 **VALENCIA, CA 91355** — **RCRIS-LQG**
9974 ft.

Site 2 of 2 in cluster BD

Relative: Lower
Actual: 1095 ft.

RCRIS:
Owner: 3 D SYSTEMS INC
(661) 295-5600
EPA ID: CAR000066415
Contact: SHAWN LOCKHARD
(661) 295-5600
Classification: Large Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAR000066415
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.63
Waste Category: Unspecified aqueous solution
Disposal Method: Not reported
Contact: MANAGER ENVIRONMENTAL
Telephone: --
Mailing Address: 26081 AVENUE HALL
VALENCIA, CA 91355
County Not reported

Gepaid: CAR000066415
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.16
Waste Category: Unspecified aqueous solution
Disposal Method: Disposal, Other
Contact: MANAGER ENVIRONMENTAL
Telephone: --
Mailing Address: 26081 AVENUE HALL
VALENCIA, CA 91355
County Not reported

Gepaid: CAR000066415
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.13
Waste Category: Unspecified aqueous solution
Disposal Method: Recycler
Contact: MANAGER ENVIRONMENTAL
Telephone: --
Mailing Address: 26081 AVENUE HALL
VALENCIA, CA 91355
County Not reported

3 D SYSTEMS INC (Continued) **1001959932**

Gepaid: CAR000066415
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.28
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Contact: MANAGER ENVIRONMENTAL
Telephone: –
Mailing Address: 26081 AVENUE HALL
VALENCIA, CA 91355
County Not reported

Gepaid: CAR000066415
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.27
Waste Category: Other inorganic solid waste
Disposal Method: Disposal, Other
Contact: MANAGER ENVIRONMENTAL
Telephone: –
Mailing Address: 26081 AVENUE HALL
VALENCIA, CA 91355
County Not reported

Click this hyperlink while viewing on your computer to access
20 additional CA HAZNET record(s) in the EDR Site Report.

BA299 **PACIFIC AERODYNE** **HAZNET S103980483**
ENE **25334 AVE STANFORD** **LOS ANGELES CO. HMS N/A**
> 1 **VALENCIA, CA 91355**
10052 ft.

Site 3 of 4 in cluster BA

Relative: **Lower**

Actual: **1072 ft.**

HAZNET:
Gepaid: CAL000175100
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8340
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: PACIFIC AERODYNE
Telephone: (000) 000-0000
Mailing Address: 25334 AVENUE STANFORD
VALENCIA, CA 91355 - 1214
County Los Angeles

Gepaid: CAL000209508
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.68
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: COLIN SEOW-OWNER
Telephone: (661) 295-8538
Mailing Address: 25334 AVENUE STANFORD

PACIFIC AERODYNE (Continued) **S103980483**

VALENCIA, CA 91335
County Not reported

Gepaid: CAL000209508
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.1467
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: COLIN SEOW
Telephone: (661) 295-8538
Mailing Address: 25334 AVENUE STANFORD
VALENCIA, CA 91335
County Los Angeles

Gepaid: CAL000209508
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 2.1475
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: COLIN SEOW
Telephone: (661) 295-8538
Mailing Address: 25334 AVENUE STANFORD
VALENCIA, CA 91335
County Los Angeles

HMS:
Facility Id: 019434-027761
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

BA300 **LONG MOLDED PRODUCTS** **LOS ANGELES CO. HMS U003063282**
ENE **25322 AVE STANFORD** **N/A**
> 1 **, CA**
10129 ft.

Site 4 of 4 in cluster BA

Relative: **Lower**

Actual: **1073 ft.**

HMS:
Facility Id: 007523-I07911
Area: 7A
Facility Type: I01
Permit Number: 00010644J Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

BE301 **MIKAILIAN MEAT PRODUCTS** **LOS ANGELES CO. HMS** **U003063100**
ENE **25310 AVE STANFORD** **N/A**
> 1 **, CA**
10205 ft.

Site 1 of 3 in cluster BE

Relative:
Lower

Actual:
1076 ft.

HMS:
Facility Id: 007308-I07648
Area: 7A
Facility Type: I01
Permit Number: 000009668 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

BE302 **A&A POWDER COATING** **LOS ANGELES CO. HMS** **S104536011**
ENE **25311 AVE STANFORD** **N/A**
> 1 **, CA**
10205 ft.

Site 2 of 3 in cluster BE

Relative:
Lower

Actual:
1076 ft.

HMS:
Facility Id: 019431-027758
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

BC303 **CAPTIVE AIR** **RCRIS-SQG** **1000597956**
ENE **25461 W RYE CANYON RD** **FINDS** **CAD983619917**
> 1 **VALENCIA, CA 91355** **HAZNET**
10222 ft. **LOS ANGELES CO. HMS**

Site 2 of 3 in cluster BC

Relative:
Lower

Actual:
1070 ft.

RCRIS:
Owner: CAPTIVE AIR
(805) 295-5722
EPA ID: CAD983619917
Contact: DICK WORTH
(805) 295-5722
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD983619917
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1550
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: CAPTIVE AIR
Telephone: (818) 347-3166
Mailing Address: 25461 RYE CANYON RD

CAPTIVE AIR (Continued) **1000597956**

VALENCIA, CA 91355 - 1206
County: Los Angeles

Gepaid: CAD983619917
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0270
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Not reported
Contact: CAPTIVE AIR
Telephone: (818) 347-3166
Mailing Address: 25461 RYE CANYON RD
VALENCIA, CA 91355 - 1206
County: Los Angeles

Gepaid: CAD983619917
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2160
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: CAPTIVE AIR
Telephone: (818) 347-3166
Mailing Address: 25461 RYE CANYON RD
VALENCIA, CA 91355 - 1206
County: Los Angeles

Gepaid: CAD983619917
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0000
Waste Category:
Disposal Method: Transfer Station
Contact: CAPTIVE AIR
Telephone: (818) 347-3166
Mailing Address: 25461 RYE CANYON RD
VALENCIA, CA 91355 - 1206
County: Los Angeles

Gepaid: CAD983619917
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3285
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: CAPTIVE AIR
Telephone: (818) 347-3166
Mailing Address: 25461 RYE CANYON RD
VALENCIA, CA 91355 - 1206
County: Los Angeles

Click this hyperlink while viewing on your computer to access
18 additional CA HAZNET record(s) in the EDR Site Report.

HMS:
Facility Id: 020184-028755

CAPTIVE AIR (Continued) — **1000597956**

Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

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304 — **OBERG CONTRACTING INC** — **HAZNET** — **S104570072**
NNW — **27770 LIVE OAK RD** — **N/A**
> 1 — **CASTAIC, CA 91384**
10225 ft.

Relative: Lower

Actual: 1032 ft.

HAZNET:
Gepaid: CAC002129376
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .6880
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: OBERG CONTRACTING INC
Telephone: (805) 294-3628
Mailing Address: PO BOX 929
SIMI VALLEY, CA 93062
County: Los Angeles

Gepaid: CAC002129376
TSD EPA ID: CAT080013352
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.5838
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: OBERG CONTRACTING INC
Telephone: (805) 294-3628
Mailing Address: PO BOX 929
SIMI VALLEY, CA 93062
County: Los Angeles

BC305 — **DAILY TIRE RETREAD** — **LOS ANGELES CO. HMS** — **S104913313**
ENE — **25457 RYE CANYON RD** — **N/A**
> 1 — **, CA**
10240 ft.

Site 3 of 3 in cluster BC

Relative: Lower

Actual: 1070 ft.

HMS:
Facility Id: 020183-028754
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

BE306 — **LEIGHTON AND ASSOCIATES** — **LOS ANGELES CO. HMS** — **S102064375**
ENE — **25301 AVE STANFORD** — **N/A**
> 1 — **, CA**
10260 ft.

Site 3 of 3 in cluster BE

Relative: Lower

Actual: 1074 ft.

HMS:
Facility Id: 014581-015205
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

BF307 — **CINETECH, INC.** — **FINDS** — **1000360681**
East — **27200 TOURNEY ROAD** — **RCRIS-LQG** — **CAD980886949**
> 1 — **SANTA CLARITA, CA 91355** — **LOS ANGELES CO. HMS**
10280 ft.

Site 1 of 5 in cluster BF

Relative: Higher

Actual: 1202 ft.

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD980886949
Contact: Not reported
Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	200.00	F001	14729.50

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HMS:
Facility Id: 007408-029320
Area: 7A
Facility Type: I02
Permit Number: 000015365 — Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

BF308 — **ARDEN REALTY, UNIT#201** — **LOS ANGELES CO. HMS** — **S103817819**
East — **27200 N TOURNEY RD** — **N/A**
> 1 — **, CA**
10280 ft.

Site 2 of 5 in cluster BF

Relative: Higher

Actual: 1202 ft.

HMS:
Facility Id: 007408-026889
Area: 7A
Facility Type: I01
Permit Number: 000266260 — Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
BF309 **East** **> 1** **10280 ft.** **Relative:** **Higher** **Actual:** **1202 ft.**	**BAXTER HEALTHCARE CORP** **27200 N TOURNEY RD** **, CA** **Site 3 of 5 in cluster BF** HMS: Facility Id: 007408-I07773 Area: 7A Facility Type: I01 Permit Number: 000010481 Permit Status: Closed Facility Status: Closed Region: Los Angeles County;	**LOS ANGELES CO. HMS**	**S104538497** **N/A**
BF310 **East** **> 1** **10280 ft.** **Relative:** **Higher** **Actual:** **1202 ft.**	**ALLEGIANCE HEALTHCARE CORPORATION** **27200 N TOURNEY RD** **VALENCIA, CA 91355** **Site 4 of 5 in cluster BF** HAZNET: Gepaid: CAD980886949 TSD EPA ID: CAD028409019 Gen County: Los Angeles Tsd County: Los Angeles Tons: .1000 Waste Category: Unspecified solvent mixture Waste Disposal Method: Transfer Station Contact: ALLEGIANCE HEALTHCARE CORP Telephone: (708) 948-2000 Mailing Address: 1500 S WAUKEGAN RD BLDG K WAUKEGAN, IL 60085 - 6728 County Los Angeles Gepaid: CAD980886949 TSD EPA ID: CAD009452657 Gen County: Los Angeles Tsd County: San Mateo Tons: 4.2286 Waste Category: Liquids with halogenated organic compounds > 1000 mg/l Disposal Method: Recycler Contact: ALLEGIANCE HEALTHCARE CORP Telephone: (708) 948-2000 Mailing Address: 1500 S WAUKEGAN RD BLDG K WAUKEGAN, IL 60085 - 6728 County Los Angeles Gepaid: CAD980886949 TSD EPA ID: CAD009452657 Gen County: Los Angeles Tsd County: San Mateo Tons: .4586 Waste Category: Liquids with halogenated organic compounds > 1000 mg/l Disposal Method: Not reported Contact: ALLEGIANCE HEALTHCARE CORP Telephone: (708) 948-2000 Mailing Address: 1500 S WAUKEGAN RD BLDG K WAUKEGAN, IL 60085 - 6728 County Los Angeles	**HAZNET**	**S103648499** **N/A**

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	ALLEGIANCE HEALTHCARE CORPORATION (Continued)		**S103648499**
	Gepaid: CAD980886949 TSD EPA ID: CAD008302903 Gen County: Los Angeles Tsd County: Los Angeles Tons: .0417 Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.) Disposal Method: Recycler Contact: ALLEGIANCE HEALTHCARE CORP Telephone: (708) 948-2000 Mailing Address: 1500 S WAUKEGAN RD BLDG K WAUKEGAN, IL 60085 - 6728 County Los Angeles Gepaid: CAD980886949 TSD EPA ID: AZD982441263 Gen County: Los Angeles Tsd County: 99 Tons: 16.0000 Waste Category: Organic solids with halogens Disposal Method: Not reported Contact: ALLEGIANCE HEALTHCARE CORP Telephone: (708) 948-2000 Mailing Address: 1500 S WAUKEGAN RD BLDG K WAUKEGAN, IL 60085 - 6728 County Los Angeles Click this hyperlink while viewing on your computer to access 17 additional CA HAZNET record(s) in the EDR Site Report.		
311 **NNW** **> 1** **10295 ft.** **Relative:** **Lower** **Actual:** **1038 ft.**	**29225 QUINCY ST** **29225 QUINCY ST** **NEWHALL, CA** Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.	**ERNS**	**8714693** **N/A**
BG312 **ENE** **> 1** **10295 ft.** **Relative:** **Lower** **Actual:** **1070 ft.**	**BLOOMERS METAL STAMPINGS INC** **25445 RYE CANYON RD** **VALENCIA, CA 91355** **Site 1 of 30 in cluster BG**	**RCRIS-SQG** **FINDS** **HAZNET** **LOS ANGELES CO. HMS**	**1000334645** **CAD981628407**

BLOOMERS METAL STAMPINGS INC (Continued) **1000334645**

RCRIS:
Owner: WILLIAM C BLOOMER PRES
(415) 555-1212
EPA ID: CAD981628407
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAD981628407
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .7714
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 25445 RYE CANYON RD
VALENCIA, CA 91355 - 1206
County Los Angeles

Gepaid: CAD981628407
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.53
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: --
Telephone: Not reported
Mailing Address: 28615 BRAXTON AVE
VALENCIA, CA 91355
County Not reported

Gepaid: CAD981628407
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.12
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Not reported
Contact: --
Telephone: Not reported
Mailing Address: 28615 BRAXTON AVE
VALENCIA, CA 91355
County Not reported

BLOOMERS METAL STAMPINGS INC (Continued) **1000334645**

Gepaid: CAD981628407
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.0712
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 25445 RYE CANYON RD
VALENCIA, CA 91355 - 1206
County Los Angeles

Gepaid: CAD981628407
TSD EPA ID: CAD093459485
Gen County: Los Angeles
Tsd County: Fresno
Tons: .0625
Waste Category: Organic liquids with metals Alkaline solution (pH <UN-> 12.5) with metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc)
Disposal Method: Transfer Station
Contact: Not reported
Telephone: (000) 000-0000
Mailing Address: 25445 RYE CANYON RD
VALENCIA, CA 91355 - 1206
County Los Angeles

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET record(s) in the EDR Site Report.

HMS:
Facility Id: 018521-026037
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

BF313 **GOODYEAR INDUSTRIAL PRODUCTS** **LOS ANGELES CO. HMS** **S103945512**
East **27201 N TOURNEY RD** **N/A**
> 1 **, CA**
10298 ft.

Site 5 of 5 in cluster BF

Relative: Higher

Actual: 1205 ft.

HMS:
Facility Id: 020345-028955
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
314 NE > 1 10311 ft. Relative: Lower Actual: 1120 ft.	**MAZZEO PAINTING CO INC** **26074 AVENUE HALL UNIT 16** **VALENCIA, CA 91355**	**RCRIS-SQG** **FINDS** **HAZNET**	**1000905229** **CA0000372292**

RCRIS:
Owner: MAZZEO PAINTING CO INC
(805) 257-5896
EPA ID: CA0000372292
Contact: PAUL MAZZEO
(805) 257-5896
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:

Gepaid:	CA0000372292
TSD EPA ID:	CAD009452657
Gen County:	Los Angeles
Tsd County:	San Mateo
Tons:	.1251
Waste Category:	Unspecified solvent mixture Waste
Disposal Method:	Recycler
Contact:	MAZZEO PAINTING CO INC
Telephone:	(000) 000-0000
Mailing Address:	26074 AVENUE HALL STE 16 VALENCIA, CA 91355
County	Los Angeles

BG315 **ENE** **> 1** **10320 ft.** **Relative:** **Lower** **Actual:** **1071 ft.**	**FRASER INDUSTRIES** **25439 W. RYE CANYON RD** **VALENCIA, CA 91355**	**HAZNET** **LOS ANGELES CO. HMS**	**S103965019** **N/A**

Site 2 of 30 in cluster BG

HAZNET:

Gepaid:	CAL000180970
TSD EPA ID:	Not reported
Gen County:	Los Angeles
Tsd County:	Orange
Tons:	0.05
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Transfer Station
Contact:	IVY SUSAN OR AL HIRTH
Telephone:	(661) 294-0641
Mailing Address:	25439 W RYE CANYON RD VALENCIA, CA 91355
County	Not reported

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	FRASER INDUSTRIES (Continued)		**S103965019**

Gepaid:	CAL000180970
TSD EPA ID:	CAD003963592
Gen County:	Los Angeles
Tsd County:	Santa Clara
Tons:	.0834
Waste Category:	Photochemicals/photoprocessing waste
Disposal Method:	Recycler
Contact:	ALBERT HIRTH
Telephone:	(000) 000-0000
Mailing Address:	25439 W RYE CANYON RD VALENCIA, CA 91355
County	Los Angeles

Gepaid:	CAL000180970
TSD EPA ID:	CAD099452708
Gen County:	Los Angeles
Tsd County:	Los Angeles
Tons:	0.688
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Contact:	ALBERT HIRTH
Telephone:	(000) 000-0000
Mailing Address:	25439 W RYE CANYON RD VALENCIA, CA 91355
County	Los Angeles

Gepaid:	CAL000138182
TSD EPA ID:	Not reported
Gen County:	Los Angeles
Tsd County:	Orange
Tons:	0.06
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Transfer Station
Contact:	ALBERT HIRTH
Telephone:	–
Mailing Address:	25439 W RYE CANYON RD VALENCIA, CA 91355
County	Not reported

Gepaid:	CAL000138182
TSD EPA ID:	CAT000613976
Gen County:	Los Angeles
Tsd County:	Orange
Tons:	.0333
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Transfer Station
Contact:	E.Z. HARTCO REALTY
Telephone:	(000) 000-0000
Mailing Address:	25439 W RYE CANYON RD VALENCIA, CA 91355
County	Los Angeles

HMS:

Facility Id:	020182-028753		
Area:	7A		
Facility Type:	Not reported		
Permit Number:	Not reported	Permit Status:	Not reported
Facility Status:	OPEN		
Region:	Los Angeles County:		

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

BG316 **CALYPSO DIV OF PDH INC** **LOS ANGELES CO. HMS** **U003058827**
ENE **25439 RYE CANYON RD** **N/A**
> 1 **, CA**
10320 ft.

Site 3 of 30 in cluster BG

Relative: Lower

HMS:
Facility Id: 002478-I02562
Area: 7A
Actual: 1071 ft. Facility Type: I09
Permit Number: 000098485 Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

BG317 **GLACIER GOURMET INC.** **LOS ANGELES CO. HMS** **S103945337**
ENE **25437 RYE CANYON RD** **N/A**
> 1 **, CA**
10328 ft.

Site 4 of 30 in cluster BG

Relative: Lower

HMS:
Facility Id: 020181-028752
Area: 7A
Actual: 1071 ft. Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

BG318 **S H M** **RCRIS-SQG** **1000686417**
ENE **25433 RYE CANYON RD** **FINDS** **CAD983637257**
> 1 **VALENCIA, CA 91355**
10347 ft.

Site 5 of 30 in cluster BG

Relative: Lower

RCRIS:
Owner: JACK LATRAGNA
(805) 294-1037
Actual: 1071 ft. EPA ID: CAD983637257
Contact: JACK LATRAGNA
(805) 294-1037
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Map ID / Direction / Distance / Distance (ft.) / Elevation | Site | Database(s) | EDR ID Number / EPA ID Number

BG319 **WADDAN SYSTEMS** **LOS ANGELES CO. HMS** **U003064158**
ENE **25429 RYE CANYON RD** **N/A**
> 1 **, CA**
10365 ft.

Site 6 of 30 in cluster BG

Relative: Lower

HMS:
Facility Id: 008524-I15329
Area: 7A
Actual: 1071 ft. Facility Type: I02
Permit Number: 000122538 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

BH320 **UNIDEN VALENCIA INC** **LOS ANGELES CO. HMS** **U002280372**
East **27330 N TOURNEY RD** **N/A**
> 1 **, CA**
10406 ft.

Site 1 of 4 in cluster BH

Relative: Lower

HMS:
Facility Id: 005862-006076
Area: 7A
Actual: 1115 ft. Facility Type: T0
Permit Number: 00000288T Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

Facility Id: 005862-I06076
Area: 7A
Facility Type: I01
Permit Number: 00009421C Permit Status: Closed
Facility Status: Closed
Region: Los Angeles County:

BH321 **VALENCIA COUNTRY CLUB** **RCRIS-SQG** **1000596300**
East **27330 N TOURNEY RD** **FINDS** **CAD983602665**
> 1 **VALENCIA, CA 91355** **HAZNET**
10406 ft.

Site 2 of 4 in cluster BH

Relative: Lower

RCRIS:
Owner: UNIDEN CORPORATION OF AMERICA
(805) 254-4402
Actual: 1115 ft. EPA ID: CAD983602665
Contact: JESUS REYES
(805) 254-6204
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

VALENCIA COUNTRY CLUB (Continued) 1000596300

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

HAZNET:
Gepaid: CAL000062998
TSD EPA ID: CAD980883177
Gen County: Los Angeles
Tsd County: Kern
Tons: .0625
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: UNIDEN VALENCIA INC
Telephone: (000) 000-0000
Mailing Address: 27330 TOURNEY RD # N
VALENCIA, CA 91355 - 1806
County Los Angeles

BH322 **UNIDEN VALENCIA INC.** LUST S101298323
East **27330 TOURNEY RD** Cortese N/A
> 1 **VALENCIA, CA 91355**
10406 ft.

Site 3 of 4 in cluster BH

Relative: Lower

Actual: 1115 ft.

State LUST:
Cross Street: Not reported
Qty Leaked: Not reported
Case Number R-06076
Reg Board: Los Angeles Region
Chemical: 1
Lead Agency: Regional Board
Local Agency : 19000
Case Type: Soil only
Status: Case Closed
Review Date: Not reported
Workplan: 1991-09-19 00:00:00
Pollution Char: 2002-01-23 00:00:00
Remed Action: Not reported
Monitoring: Not reported
Close Date: 2003-05-15 00:00:00
Release Date: 1991-05-22 00:00:00
Cleanup Fund Id : Not reported
Discover Date : Not reported
Enforcement Dt : Not reported
Enf Type: CLOS
Enter Date : 1991-08-23 00:00:00
Funding: Not reported
Staff Initials: Not reported
How Discovered: Not reported
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : 2003-03-21 00:0
Max MTBE GW : 0 Parts per Billion
MTBE Tested: MTBE Detected. Site tested for MTBE & MTBE detected
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Confirm Leak: Not reported
Prelim Assess: 1991-09-19 00:00:00
Remed Plan: 2002-01-23 00:00:00

UNIDEN VALENCIA INC. (Continued) S101298323

Staff : TCS
GW Qualifier : ND
Max MTBE Soil : 0 Parts per Million
Soil Qualifier : ND
Hydr Basin #: SANTA CLARA RIVER VA
Operator : MILLS, W
Oversight Prgm: LUST
Review Date : 2002-09-05 00:00:00
Stop Date : Not reported
Work Suspended : Not reported
Responsible Party: MR. WALLEY JENSKY
RP Address: 4840 MARKET ST. , STE B
Global Id: T0603704715
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0
Mtbe Fuel: 0
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 5/22/1991
Lead Agency: Regional Board
Local Agency: 19000
Substance: 1
Case Type: Soil
Status: Case Closed
Region: 4
Staff: TCS
Date Case Last Changed on Database: 9/5/2002
Date Leak Record Entered: 8/23/1991
Historical Max MTBE Date: 3/21/2003
GW Qualifier: ND
Soil Qualifier: ND
Hist Max MTBE Conc in Groundwater: 0
Hist Max MTBE Conc in Soil : 0
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: MR. WALLEY JENSKY
RP Address: 4840 MARKET ST. , STE B
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34.4195752 / -1
Local Agency Staff: Not reported
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : Not reported
Abatement Method Used at the Site: Not reported
Operator : MILLS, WAYNE
Water System : Not reported

UNIDEN VALENCIA INC. (Continued) — **S101298323**

Well Name :	Not reported
Approx. Dist To Production Well (ft) :	2041.9130878718094467651679776
Assigned Name :	Not reported
W Global ID :	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	Not reported
How the Leak was Discovered:	Not reported
How the Leak was Stopped:	Not reported
Cause of Leak:	UNK
Leak Source:	UNK
Date The Leak was Stopped:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	9/19/1991
Pollution Characterization Began:	1/23/2002
Remediation Plan Submitted:	1/23/2002
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	5/15/2003
Enforcement Action Date:	Not reported
Date Leak First Reported:	5/22/1991
Enforcement Type:	CLOS
Global ID :	T0603704715
Cross Street:	Not reported
Summary :	

CORTESE:
Region: CORTESE
Fac Address 2: 27330 TOURNEY RD

BH323 — **UNIDEN VALENCIA INC** — **UST** — **U003776122**
East — **27330 TOURNEY RD** — **N/A**
> 1 — **VALENCIA, CA 91355**
10406 ft.

Site 4 of 4 in cluster BH

Relative: Lower

State UST:
Facility ID: 006076
Region: STATE
Actual: 1115 ft. Local Agency: 19000

BG324 — **MASTEY DE PARIS INC** — **LOS ANGELES CO. HMS** — **S104538092**
ENE — **25413 RYE CANYON RD** — **N/A**
> 1 — **, CA**
10435 ft.

Site 7 of 30 in cluster BG

Relative: Lower

HMS:
Facility Id: 007373-I07730
Area: 7A
Actual: 1072 ft. Facility Type: I02
Permit Number: 000009951 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

BG325 — **AUTO WORLD BODY SHOP** — **HAZNET** — **S103649043**
ENE — **27967 BEALE COURT** — **N/A**
> 1 — **VALENCIA, CA 91355**
10472 ft.

Site 8 of 30 in cluster BG

Relative: Lower

HAZNET:
Gepaid: CAL000040011
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2293
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: MOREAU LARRY
Telephone: (000) 000-0000
Mailing Address: 27967 BEALE CT
VALENCIA, CA 91355
County Los Angeles

Actual: 1072 ft.

Gepaid: CAL000040011
TSD EPA ID: CAD099452708
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4170
Waste Category: Unspecified oil-containing waste
Disposal Method: Recycler
Contact: MOREAU LARRY
Telephone: (000) 000-0000
Mailing Address: 27967 BEALE CT
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000040011
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3544
Waste Category: Aqueous solution with 10% or more total organic residues
Disposal Method: Recycler
Contact: MOREAU LARRY
Telephone: (000) 000-0000
Mailing Address: 27967 BEALE CT
VALENCIA, CA 91355
County Los Angeles

Gepaid: CAL000040011
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.21
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: LARYY MOREAU
Telephone: --
Mailing Address: 27967 BEALE CT
VALENCIA, CA 91355
County Not reported

AUTO WORLD BODY SHOP (Continued) **S103649043**

Gepaid: CAL000040011
TSD EPA ID: CAD008252405
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .4795
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: MOREAU LARRY
Telephone: (000) 000-0000
Mailing Address: 27967 BEALE CT
VALENCIA, CA 91355
County: Los Angeles

BG326 **AUTO WORLD COLLISION CENTER** **LOS ANGELES CO. HMS** **S104536084**
ENE **27967 BEALE CT** **N/A**
> 1 **, CA**
10472 ft.

Site 9 of 30 in cluster BG

Relative: Lower

Actual: 1072 ft.

HMS:
Facility Id: 019813-028284
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

BG327 **AUTO WORLD COLLISION CENTER** **HAZNET** **S104578983**
ENE **27967 BEALE CT** **N/A**
> 1 **VALENCIA, CA 91355**
10472 ft.

Site 10 of 30 in cluster BG

Relative: Lower

Actual: 1072 ft.

HAZNET:
Gepaid: CAL000139941
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.1334
Waste Category: Paint sludge
Disposal Method: Recycler
Contact: J SOLIS/M STARRANTINO/R SOLIS
Telephone: (805) 294-9070
Mailing Address: 27967 BEALE CT
VALENCIA, CA 91355
County: Los Angeles

Gepaid: CAL000139941
TSD EPA ID: CAT000613893
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 0.1125
Waste Category: Oxygenated solvents (acetone, butanol, ethyl acetate, etc.)
Disposal Method: Transfer Station
Contact: J SOLIS/M STARRANTINO/R SOLIS
Telephone: (805) 294-9070
Mailing Address: 27967 BEALE CT
VALENCIA, CA 91355

AUTO WORLD COLLISION CENTER (Continued) **S104578983**

County: Los Angeles

Gepaid: CAL000139941
TSD EPA ID: Not reported
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: 1.64
Waste Category: Unspecified solvent mixture Waste
Disposal Method: Recycler
Contact: M STARRANTINO/PRESIDENT
Telephone: (805) 294-9070
Mailing Address: 27967 BEALE CT
VALENCIA, CA 91355
County: Not reported

Gepaid: CAL000139941
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2293
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: J SOLIS/M STARRANTINO/R SOLIS
Telephone: (805) 294-9070
Mailing Address: 27967 BEALE CT
VALENCIA, CA 91355
County: Los Angeles

Gepaid: CAL000139941
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .9710
Waste Category: Paint sludge
Disposal Method: Recycler
Contact: J SOLIS/M STARRANTINO/R SOLIS
Telephone: (805) 294-9070
Mailing Address: 27967 BEALE CT
VALENCIA, CA 91355
County: Los Angeles

Click this hyperlink while viewing on your computer to access
3 additional CA HAZNET record(s) in the EDR Site Report.

BG328 **REGENT AEROSPACE CORP.** **LOS ANGELES CO. HMS** **S103945558**
ENE **27968 BEALE CT** **N/A**
> 1 **, CA**
10472 ft.

Site 11 of 30 in cluster BG

Relative: Lower

Actual: 1072 ft.

HMS:
Facility Id: 019814-028285
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
BG329 ENE > 1 10472 ft. Relative: Lower Actual: 1072 ft.	**PARDEE SUBSTATION** **25401 RYE CANYON RD.** **SANTA CLARITA, CA 91355** **Site 12 of 30 in cluster BG** RCRIS: Contact: KATHRYN VANDERSLICE (626) 302-9320 Classification: Small Quantity Generator TSDF Activities: Not reported Violation Status: No violations found	RCRIS-SQG	1007199643 CAD981694938
BG330 ENE > 1 10472 ft. Relative: Lower Actual: 1072 ft.	**PARDEE SUBSTATION** **25401 W RYE CANYON ROAD** **SANTA CLARITA, CA 91355** **Site 13 of 30 in cluster BG** FINDS: Other Pertinent Environmental Activity Identified at Site: Resource Conservation and Recovery Act Information system	FINDS	1007249029 110017210356
BG331 ENE > 1 10473 ft. Relative: Lower Actual: 1072 ft.	**ADVANCED AEROSPACE INC.** **27956 BEALE CT** **, CA** **Site 14 of 30 in cluster BG** HMS: Facility Id: 019812-028283 Area: 7A Facility Type: Not reported Permit Number: Not reported — Permit Status: Not reported Facility Status: OPEN Region: Los Angeles County:	LOS ANGELES CO. HMS	S103945556 N/A
BG332 ENE > 1 10474 ft. Relative: Lower Actual: 1072 ft.	**COSMIC PLASTICS INC.** **27955 BEALE CT** **VALENCIA, CA 91355** **Site 15 of 30 in cluster BG** UST HIST: Facility ID: 46960 — Owner Name: COSMIC PLASTICS INC. Total Tanks: 1 — Region: STATE Owner Address: 27955 BEAL COURT VALENCIA, CA 91355 Tank Used for: PRODUCT Tank Num: 1 — Container Num: V-S4 Tank Capacity: 00005000 — Year Installed: 1984 Type of Fuel: Not reported — Tank Construction: Not Reported Leak Detection: Sensor Instrument, GW Monitoring Well Contact Name: RICHARD DULMADGE — Telephone: (805) 257-3274 Facility Type: Other — Other Type: MANUFACTURING	HIST UST	U001567859 N/A

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
BG333 ENE > 1 10474 ft. Relative: Lower Actual: 1072 ft.	**B&B MANUFACTURING INC** **27955 BEALE CT** **, CA** **Site 16 of 30 in cluster BG** HMS: Facility Id: 007609-I08011 Area: 7A Facility Type: I02 Permit Number: 000010767 — Permit Status: Closed Facility Status: Closed Region: Los Angeles County: Facility Id: 010917-010894 Area: 7A Facility Type: T0 Permit Number: 00002358T — Permit Status: Removed Facility Status: Removed Region: Los Angeles County:	LOS ANGELES CO. HMS	U002284032 N/A
BG334 ENE > 1 10474 ft. Relative: Lower Actual: 1072 ft.	**COSMIC PLASTICS INCORPORATED** **27939 BEALE CT.** **VALENCIA, CA 91355** **Site 17 of 30 in cluster BG** FINDS: Other Pertinent Environmental Activity Identified at Site: Toxics Release Inventory	FINDS	1004439730 110002142333
BG335 ENE > 1 10474 ft. Relative: Lower Actual: 1072 ft.	**B&B MANUFACTURING** **27939 BEALE CT** **, CA** **Site 18 of 30 in cluster BG** HMS: Facility Id: 019810-028281 Area: 7A Facility Type: Not reported Permit Number: Not reported — Permit Status: Not reported Facility Status: OPEN Region: Los Angeles County:	LOS ANGELES CO. HMS	S104536082 N/A
BG336 ENE > 1 10477 ft. Relative: Lower Actual: 1072 ft.	**GARDENAMERICA CORP VALENCIA OPERATION** **27940 BEALE CT** **VALENCIA, CA 91355** **Site 19 of 30 in cluster BG**	RCRIS-SQG FINDS	1000187120 CAD981632854

GARDENAMERICA CORP VALENCIA OPERATION (Continued) — **1000187120**

RCRIS:
Owner: GARDENAMERICA CORP
(415) 555-1212
EPA ID: CAD981632854
Contact: ENVIRONMENTAL MANAGER
(415) 839-5511
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

BG337 — **B&B MANUFACTURING CO. INC.** — LOS ANGELES CO. HMS — S104536083 / N/A
ENE
> 1
10477 ft.
27940 BEALE CT
, CA

Relative: Lower
Actual: 1072 ft.

Site 20 of 30 in cluster BG

HMS:
Facility Id: 019811-028282
Area: 7A
Facility Type: Not reported
Permit Number: Not reported — Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

BG338 — **PARDEE SUBSTATION** — HIST UST — U001567870 / N/A
ENE
> 1
10485 ft.
25401 RYE CANYON RD
VALENCIA, CA 91355

Relative: Lower
Actual: 1072 ft.

Site 21 of 30 in cluster BG

UST HIST:
Facility ID: 22241 — Owner Name: SOUTHERN CALIFORNIA EDISON CO.
Total Tanks: 1 — Region: STATE
Owner Address: 2244 WALNUT GROVE AVENUE
ROSEMEAD, CA 91770
Tank Used for: PRODUCT
Tank Num: 1 — Container Num: 302
Tank Capacity: 00002000 — Year Installed: 1971
Type of Fuel: UNLEADED — Tank Construction: Not Reported
Leak Detection: Stock Inventor
Contact Name: SUPERVISOR — Telephone: (818) 572-1801
Facility Type: Other — Other Type: ELECTRIC UTILITY

BG339 — **SOUTHERN CALIFORNIA EDISON** — CA FID UST — S101585492
ENE — **25401 W RYE CANYON RD** — LOS ANGELES CO. HMS — N/A
> 1
10485 ft.
SANTA CLARITA, CA

Relative: Lower
Actual: 1072 ft.

Site 22 of 30 in cluster BG

FID:
Facility ID: 19024342 — Regulate ID: 00022241
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported — SIC Code: Not reported
Status: Active — Facility Tel: (818) 000-0000
Mail To: Not reported
BOX
SANTA CLARITA, CA
Contact: Not reported — Contact Tel: Not reported
DUNs No: Not reported — NPDES No: Not reported
Creation: 10/22/93 — Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

HMS:
Facility Id: 011822-011889
Area: 7A
Facility Type: T0
Permit Number: 00004054T — Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

BG340 — **SO CALIF EDISON PARDEE SUB** — HAZNET — 1000167646 / N/A
ENE
> 1
10485 ft.
25401 RYE CANYON RD
VALENCIA, CA 91355

Relative: Lower
Actual: 1072 ft.

Site 23 of 30 in cluster BG

HAZNET:
Gepaid: CAD981694938
TSD EPA ID: CAD008364432
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1750
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: (626) 302-1212
Mailing Address: ENVT'L AFFAIRS RM 405 2244 WALNUT GRV AV
ROSEMEAD, CA 91770 - 0800
County Los Angeles

Gepaid: CAD981694938
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .3700
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: (626) 302-1212
Mailing Address: ENVT'L AFFAIRS RM 405 2244 WALNUT GRV AV
ROSEMEAD, CA 91770 - 0800
County Los Angeles

SO CALIF EDISON PARDEE SUB (Continued) **1000167646**

Gepaid: CAD981694938
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .0500
Waste Category: Other inorganic solid waste
Disposal Method: Not reported
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: (626) 302-1212
Mailing Address: ENVT'L AFFAIRS RM 405 2244 WALNUT GRV AV
ROSEMEAD, CA 91770 - 0800
County Los Angeles

Gepaid: CAD981694938
TSD EPA ID: CAD050806850
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .1300
Waste Category: Other inorganic solid waste
Disposal Method: Transfer Station
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: (626) 302-1212
Mailing Address: ENVT'L AFFAIRS RM 405 2244 WALNUT GRV AV
ROSEMEAD, CA 91770 - 0800
County Los Angeles

Gepaid: CAD981694938
TSD EPA ID: CAD980883177
Gen County: Los Angeles
Tsd County: Kern
Tons: 5.4210
Waste Category: Waste oil and mixed oil
Disposal Method: Recycler
Contact: SOUTHERN CALIFORNIA EDISON
Telephone: (626) 302-1212
Mailing Address: ENVT'L AFFAIRS RM 405 2244 WALNUT GRV AV
ROSEMEAD, CA 91770 - 0800
County Los Angeles

Click this hyperlink while viewing on your computer to access
32 additional CA HAZNET record(s) in the EDR Site Report.

BG341 **WESTERN AMERICAN MFG., IN** **Cortese** **S105027180**
ENE **25395 RYE CNYN** **N/A**
> 1 **VALENCIA, CA 91355**
10520 ft.

Site 24 of 30 in cluster BG

Relative: **Lower**

Actual: **1072 ft.**

CORTESE:
Region: CORTESE
Fac Address 2: Not reported

BG342 **WESTERN AMERICAN MFG., INC.** **LUST** **S104160065**
ENE **25395 RYE CANYON RD** **N/A**
> 1 **VALENCIA, CA 91355**
10523 ft.

Site 25 of 30 in cluster BG

Relative: **Lower**

Actual: **1072 ft.**

State LUST:
Cross Street: CROCKER
Qty Leaked: Not reported
Case Number I-13699
Reg Board: Los Angeles Region
Chemical: Gasoline
Lead Agency: Local Agency
Local Agency : 19000
Case Type: Other ground water affected
Status: Case Closed
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Review Date: Not reported
Confirm Leak: Not reported
Workplan: 1990-05-01 00:00:00
Prelim Assess: 1990-05-01 00:00:00
Pollution Char: Not reported
Remed Plan: Not reported
Remed Action: 1991-04-17 00:00:00
Monitoring: Not reported
Close Date: 1993-02-09 00:00:00
Release Date: 1990-07-13 00:00:00
Cleanup Fund Id : Not reported
Discover Date : 1990-04-01 00:00:00
Enforcement Dt : 1965-01-01 00:00:00
Enf Type: Informal Enforcement Actions,including Notices of Violations and Staff Enforcement Letters
Enter Date : 1990-10-15 00:00:00
Funding: Federal Funds
Staff Initials: Not reported
How Discovered: Tank Closure
How Stopped: Not reported
Interim : Not reported
Leak Cause: UNK
Leak Source: UNK
MTBE Date : Not reported
Max MTBE GW : Not reported
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Priority: Not reported
Local Case # : Not reported
Beneficial: Not reported
Staff : UNK
GW Qualifier : Not reported
Max MTBE Soil : Not reported
Soil Qualifier : Not reported
Hydr Basin #: SANTA CLARA RIVER VA
Operator : LAPIDES,
Oversight Prgm: LUST
Review Date : 1992-06-30 00:00:00
Stop Date : 1990-04-01
Work Suspended : Not reported
Responsible Party WESTERN AMERICAN M
RP Address: 6725 CUSTOM HOUSE PLAZE, SUI
Global Id: T0603704091
Org Name: Not reported
Contact Person: Not reported
MTBE Conc: 0

WESTERN AMERICAN MFG., INC. (Continued) **S104160065**

Mtbe Fuel: 1
Water System Name: Not reported
Well Name: Not reported
Distance To Lust: 0
Waste Discharge Global ID: Not reported
Waste Disch Assigned Name: Not reported

LUST Region 4:
Report Date: 7/13/1990
Lead Agency: Local Agency
Local Agency: 19000
Substance: Gasoline
Case Type: Groundwater
Status: Case Closed
Region: 4
Staff: UNK
Date Case Last Changed on Database: 6/30/1992
Date Leak Record Entered: 10/15/1990
Historical Max MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Hist Max MTBE Conc in Groundwater: Not reported
Hist Max MTBE Conc in Soil : Not reported
County: Los Angeles
Organization : Not reported
Regional Board: 04
Owner Contact: Not reported
Responsible Party: WESTERN AMERICAN MFG.,INC.
RP Address: 6725 CUSTOM HOUSE PLAZE, SUITE I&J, SAN DIEGO, CA 92073
Significant Interim Remedial Action Taken: Not reported
Program : LUST
Lat / Long : 34.4370965 / -1
Local Agency Staff: Not reported
Beneficial Use : Not reported
Priority : Not reported
Cleanup Fund Id : Not reported
Suspended : Not reported
Local Case No : Not reported
Substance Quantity : Not reported
Abatement Method Used at the Site: Excavate and Dispose
Operator : LAPIDES, JOSEPH
Water System : Not reported
Well Name : Not reported
Approx. Dist To Production Well (ft) : 1587.153644843502213226390799 9
Assigned Name : Not reported
W Global ID : Not reported
Source of Cleanup Funding: Federal Funds
Date the Leak was Discovered: 4/1/1990
How the Leak was Discovered: Tank Closure
How the Leak was Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date The Leak was Stopped: 4/1/1990
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: 12/29/1989
Preliminary Site Assessment Began: 5/1/1990
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported

WESTERN AMERICAN MFG., INC. (Continued) **S104160065**

Remedial Action Underway: 4/17/1991
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 2/9/1993
Enforcement Action Date: 1/1/1965
Date Leak First Reported: 7/13/1990
Enforcement Type: IEA
Global ID : T0603704091
Cross Street: CROCKER
Summary :

BG343 **ELECTROFILM MFG COMPANY** **RCRIS-SQG 1000181732**
ENE **25395 RYE CANYON ROAD** **FINDS CAD075294140**
> 1 **VALENCIA, CA 91355** **LOS ANGELES CO. HMS**
10523 ft. **EMI**

Site 26 of 30 in cluster BG

Relative: Lower

Actual: 1072 ft.

RCRIS:
Owner: NOT REQUIRED
(415) 555-1212
EPA ID: CAD075294140
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS
Date Violation Determined: 08/22/1991
Actual Date Achieved Compliance: 10/08/1992
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 11/25/1991
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-MANIFEST REQUIREMENTS
Date Violation Determined: 08/22/1991
Actual Date Achieved Compliance: 10/08/1992
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 11/25/1991
Penalty Type: Final Monetary Penalty

Regulation Violated: Not reported
Area of Violation: TSD-LAND BAN REQUIREMENTS
Date Violation Determined: 08/22/1991
Actual Date Achieved Compliance: 10/08/1992
Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 11/25/1991
Penalty Type: Final Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	11/25/1991	16222	STATE

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	19921008

ELECTROFILM MFG COMPANY (Continued) **1000181732**

TSD-MANIFEST REQUIREMENTS 19921008
TSD-LAND BAN REQUIREMENTS 19921008

FINDS:
Other Pertinent Environmental Activity Identified at Site:
National Emissions Inventory
Resource Conservation and Recovery Act Information system

HMS:
Facility Id: 008518-I15294
Area: 7A
Facility Type: I02
Permit Number: 000012248 Permit Status: Permit
Facility Status: Permit
Region: Los Angeles County:

Facility Id: 008518-015294
Area: 7A
Facility Type: Not reported
Permit Number: Not reported Permit Status: Not reported
Facility Status: OPEN
Region: Los Angeles County:

EMISSIONS :
Facility ID : 75744
Air District Code : SC
SIC Code : 3629
Total Priority Score : Not reported
Health Risk Assessment : Not reported
Non-cancer Chronic Haz Index : Not reported
Non-cancer Acute Haz Index : Not reported
Air Basin : SC
Air District Name : SOUTH COAST AQMD
Community Health Air Pollution Info System : Not reported
Consolidated Emission Reporting Rule : Not reported
County Code : 19
County ID : 19

BG344 **WESTERN AMERICAN MFG CO** **LOS ANGELES CO. HMS** **S102064383**
ENE **25395 RYE CANYON RD** **N/A**
> 1 **, CA**
10523 ft.

Site 27 of 30 in cluster BG

Relative: Lower

Actual: 1072 ft.

HMS:
Facility Id: 008518-013699
Area: 7A
Facility Type: T0
Permit Number: 00005397T Permit Status: Removed
Facility Status: Removed
Region: Los Angeles County:

BG345 **ELECTRO FILM MFG. CO.** **HAZNET** **S100948296**
ENE **25395 RYE CANYON RD** **N/A**
> 1 **VALENCIA, CA 91355**
10523 ft.

Site 28 of 30 in cluster BG

Relative: Lower

Actual: 1072 ft.

HAZNET:
Gepaid: CAD075294140
TSD EPA ID: CAD982444481
Gen County: Los Angeles
Tsd County: San Bernardino
Tons: .0625
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: CORPORATION
Telephone: (805) 257-2242
Mailing Address: 25395 RYE CANYON RD
VALENCIA, CA 91355 - 1205
County Los Angeles

Gepaid: CAD075294140
TSD EPA ID: TND000772186
Gen County: Los Angeles
Tsd County: 99
Tons: .4587
Waste Category: Unspecified organic liquid mixture
Disposal Method: Disposal, Other
Contact: CORPORATION
Telephone: (805) 257-2242
Mailing Address: 25395 RYE CANYON RD
VALENCIA, CA 91355 - 1205
County Los Angeles

Gepaid: CAD075294140
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .8340
Waste Category: Unspecified organic liquid mixture
Disposal Method: Recycler
Contact: CORPORATION
Telephone: (805) 257-2242
Mailing Address: 25395 RYE CANYON RD
VALENCIA, CA 91355 - 1205
County Los Angeles

Gepaid: CAD075294140
TSD EPA ID: CAD008302903
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .5000
Waste Category: Other organic solids
Disposal Method: Recycler
Contact: CORPORATION
Telephone: (805) 257-2242
Mailing Address: 25395 RYE CANYON RD
VALENCIA, CA 91355 - 1205
County Los Angeles

ELECTRO FILM MFG. CO. (Continued) — **S100948296**

Gepaid: CAD075294140
TSD EPA ID: CAT080033681
Gen County: Los Angeles
Tsd County: Los Angeles
Tons: .2125
Waste Category: Other organic solids
Disposal Method: Disposal, Land Fill
Contact: CORPORATION
Telephone: (805) 257-2242
Mailing Address: 25395 RYE CANYON RD
VALENCIA, CA 91355 - 1205
County Los Angeles

Click this hyperlink while viewing on your computer to access
43 additional CA HAZNET record(s) in the EDR Site Report.

BG346 — **WESTERN AMERICAN MFG CO** — **CA FID UST** — **S101618551** / **N/A**
ENE — **25395 RYE CANYON RD**
> 1 — **VALENCIA, CA 91355**
10523 ft.

Site 29 of 30 in cluster BG

Relative: Lower
Actual: 1072 ft.

FID:
Facility ID: 19000769 — Regulate ID: CAT000624
Reg By: Active Underground Storage Tank Location
Cortese Code: Not reported — SIC Code: Not reported
Status: Active — Facility Tel: (818) 000-0000
Mail To: Not reported
6725 CUSTOM HOUSE PLAZA
VALENCIA, CA 91355
Contact: Not reported — Contact Tel: Not reported
DUNs No: Not reported — NPDES No: Not reported
Creation: 10/22/93 — Modified: 00/00/00
EPA ID: Not reported
Comments: Not reported

BG347 — **WESTERN AMERICAN MANUFACTURER** — **HIST UST** — **U001567881** / **N/A**
ENE — **25395 RYE CANYON RD**
> 1 — **VALENCIA, CA 91355**
10523 ft.

Site 30 of 30 in cluster BG

Relative: Lower
Actual: 1072 ft.

UST HIST:
Facility ID: 61122 — Owner Name: WESTERN AMERICAN MANUFACTURER
Total Tanks: 3 — Region: STATE
Owner Address: 25395 RYE CYN. ROAD
VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 1 — Container Num: 1
Tank Capacity: 00010000 — Year Installed: 1979
Type of Fuel: UNLEADED — Tank Construction: Not Reported
Leak Detection: Stock Inventor
Contact Name: Not reported — Telephone: (213) 992-0503
Facility Type: Other — Other Type: MANUFACTURING

Facility ID: 61122 — Owner Name: WESTERN AMERICAN MANUFACTURER
Total Tanks: 3 — Region: STATE
Owner Address: 25395 RYE CYN. ROAD

WESTERN AMERICAN MANUFACTURER (Continued) — **U001567881**

VALENCIA, CA 91355
Tank Used for: PRODUCT
Tank Num: 2 — Container Num: 2
Tank Capacity: 00010000 — Year Installed: Not reported
Type of Fuel: DIESEL — Tank Construction: Not Reported
Leak Detection: None
Contact Name: Not reported — Telephone: (213) 992-0503
Facility Type: Other — Other Type: MANUFACTURING

Facility ID: 61122 — Owner Name: WESTERN AMERICAN MANUFACTURER
Total Tanks: 3 — Region: STATE
Owner Address: 25395 RYE CYN. ROAD
VALENCIA, CA 91355
Tank Used for: WASTE
Tank Num: 3 — Container Num: 3
Tank Capacity: 00000500 — Year Installed: Not reported
Type of Fuel: Not reported — Tank Construction: Not Reported
Leak Detection: None
Contact Name: Not reported — Telephone: (213) 992-0503
Facility Type: Other — Other Type: MANUFACTURING

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CASTAIC	S103988179	SKI WORKS	32203 A CASTAIC ROAD	91384	HAZNET
CASTAIC	S105084801	CURTIS DEVELOPMENT	END OF OAK VALLEY RD OF THE OLD RD	91384	HAZNET
CASTAIC	S106485845	TEXACO HONOR RANCHO GAS PLANT	23900 N. GOLDEN STATE HWY	91384	CA SLIC
CASTAIC	S105628449	SCHOOL ON 18 ACRE SITE	RIDGE ROUTE ROAD	91384	SCH
CASTAIC	S102064889	LA CO FD FIRE STA #077	47376 N RIDGE ROUTE RD	91384	LUST, LOS ANGELES CO. HMS
CASTAIC	S106568074	CASTAIC HIGH SCHOOL	RIDGE ROUTE ROAD	91384	SCH
CASTAIC	S103995723	WESTSIDE CONCRETE CO	500 FT S INTERSECT LIVE OAK / THE OLD RD	91384	HAZNET
CASTAIC	U003940658	MOBIL OIL CORP S/S #18-FK9	31785 THE OLD RD	91384	UST
CASTAIC	U003942446	TOSCO/UNOCAL #31044	31786 THE OLD RD	91384	UST
CASTAIC JUNCTION	1005415608	S C E PARDEE SANTA CLARA M37 T3	29300 THE OLD RD PETER J PITCH	91384	RCRIS-SQG, FINDS, HAZNET
LOS ANGELES COUNTY	S105632075		BUILDING #8 LONG BEACH NAVAL		LUST, CHMIRS
NEWHALL	S105628534	OAK HILLS ELEMENTARY SCHOOL	VALENCIA BOULEVARD/U STREET	91355	SCH
SANTA CLARITA	1005441285	DEPARTMENT OF TRANSPORTATION	RTE 5 MAGIC MOUNTAIN PKWY EXIT	91355	RCRIS-SQG, FINDS
SANTA CLARITA	S103957938	CO SANITATION DIST/CITY OF SANTA CLARITA	COLLEGE OF THE CANYONS	91355	HAZNET
SANTA CLARITA	U003940328	LA CO SHERIFF SANTA CLARITA	23740 MAGIC MOUNTAIN PKWY	91355	UST
SANTA CLARITA	S106085278	CSI CRIME SCENE INVESTIGATION	3 MILES N OF TEMPLIN HWY ON	91355	HAZNET
SANTA CLARITA	1007199590	VALENCIA AUTO	25625 W RYE CANYON	91355	RCRIS-SQG
SANTA CLARITA	U003940867	NEWHALL LAND & FARMING CO	23823 VALENCIA BLVD	91355	UST
SANTA CLARITA	U003941884	TERRY YORK CHEVROLET INC	23649 VALENCIA BLVD	91355	UST
SAUGUS	S105939115	PITCHESS COGENERATION FACILITY	29300 THE OLD RD O/B C/S 1094	91355	EMI
STEVENSON RANCH	S105628491	PHASE V SCHOOL SITE	INTERSTATE 5/VALENCIA BOULEVARD	91381	SCH
VALENCIA	S106089351	CALIFO NIA INSTITUTE OF THE A TS	VY #147 MCBEAN PRKWY / HWY 5	91355	HAZNET
VALENCIA	1000119892	PPG INDUSTRIES INC WORKS 24	25663 W AVE STANFORD	91355	RCRIS-SQG, FINDS, RCRIS-TSD, CORRACTS, CERC-NFRAP, LOS ANGELES CO. HMS
VALENCIA	S103646510	PRODUCTION GOODBYE LOVER	25135 AVENUE ANZA	91355	HAZNET
VALENCIA	S102802024	ANTIOCH ENVIRONMENTAL SERVICES	EAST END RYE CANYON ROAD		HAZNET
VALENCIA	S103648520	LOS ANGELES COUNTY FIRE DEPT	27223 HENRY MAYO DR- STATION 76	91355	HAZNET
VALENCIA	S105090242	TECHNICAL TROUBLE SHOOTING	24932 KEARNY AVENUE	91355	HAZNET
VALENCIA	1000253689	MOBIL OIL CORP NEWHALL STA	25410 W MAGIC PKWY	91355	RCRIS-SQG, FINDS
VALENCIA	1006839028	HOWARD CUSTOM BOATS INCORPORATED	28113 STANFORD AVENUE	91355	FINDS, HAZNET, CA WDS, EMI
VALENCIA	S101480564	GRUBER SYSTEMS, INC	25636 STANFORD AVENUE	91355	REF
VALENCIA	S103648847	CHEVRON 205882	2757 THE OLD RD	91355	HAZNET
VALENCIA	1005622782	BAXTER HEALTHCARE	2700 N TOURNEY RD	91355	FINDS, FTTS INSP
VALENCIA	S106484018	NEWHALL LAND AND FARM CO	23800 VALENCIA BLVD / MCBEAND PKWY		CA SLIC

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D018	BENZENE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 07/30/04
Date Made Active at EDR: 09/09/04
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 08/03/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 11/02/04

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 07/22/04
Date Made Active at EDR: 09/09/04
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 08/03/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 11/02/04

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/10/04
Date Made Active at EDR: 10/27/04
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 09/21/04
Elapsed ASTM days: 36
Date of Last EDR Contact: 09/21/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/10/04
Date Made Active at EDR: 10/27/04
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 09/21/04
Elapsed ASTM days: 36
Date of Last EDR Contact: 09/21/04

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/23/04
Date Made Active at EDR: 11/18/04
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 10/07/04
Elapsed ASTM days: 42
Date of Last EDR Contact: 09/07/04

RCRIS: RCRAInfo
Source: EPA
Telephone: 800-424-9346
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/10/04
Date Made Active at EDR: 10/11/04
Database Release Frequency: Varies
Date of Data Arrival at EDR: 08/24/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 08/24/04

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually
Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 10/25/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially
Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/13/04

CONSENT: Superfund (CERCLA) Consent Decrees
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/05/04 Date of Last EDR Contact: 10/25/04
Database Release Frequency: Varies Date of Next Scheduled EDR Contact: 01/24/05

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/09/04 Date of Last EDR Contact: 10/06/04
Database Release Frequency: Annually Date of Next Scheduled EDR Contact: 01/03/05

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 07/30/04 Date of Last EDR Contact: 11/02/04
Database Release Frequency: Quarterly Date of Next Scheduled EDR Contact: 01/31/05

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/09/04 Date of Last EDR Contact: 09/08/04
Database Release Frequency: Quarterly Date of Next Scheduled EDR Contact: 01/03/05

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 02/17/04 Date of Last EDR Contact: 04/20/04
Database Release Frequency: Annually Date of Next Scheduled EDR Contact: 07/19/04

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/04 Date of Last EDR Contact: 10/04/04
Database Release Frequency: Quarterly Date of Next Scheduled EDR Contact: 01/03/05

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 09/13/04 Date of Last EDR Contact: 09/28/04
Database Release Frequency: Semi-Annually Date of Next Scheduled EDR Contact: 12/27/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91 Date of Last EDR Contact: 08/23/04
Database Release Frequency: No Update Planned Date of Next Scheduled EDR Contact: 11/22/04

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/29/04 Date of Last EDR Contact: 11/12/04
Database Release Frequency: Annually Date of Next Scheduled EDR Contact: 02/07/05

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-692-8801
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03 Date of Last EDR Contact: 11/12/04
Database Release Frequency: Semi-Annually Date of Next Scheduled EDR Contact: 02/07/05

UMTRA: Uranium Mill Tailings Sites
Source: Department of Energy
Telephone: 505-845-0011
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04 Date of Last EDR Contact: 09/20/04
Database Release Frequency: Varies Date of Next Scheduled EDR Contact: 12/20/04

ODI: Open Dump Inventory
Source: Environmental Protection Agency
Telephone: 800-424-9346
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85 Date of Last EDR Contact: 05/23/95
Database Release Frequency: No Update Planned Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/03 Date of Last EDR Contact: 10/04/04
Database Release Frequency: Varies Date of Next Scheduled EDR Contact: 01/03/05

INDIAN RESERV: Indian Reservations
Source: USGS
Telephone: 202-208-3710
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/06/04

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/02
Database Release Frequency: Annually
Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/20/04

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years
Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/06/04

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/20/04

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01
Database Release Frequency: Annually
Date of Last EDR Contact: 10/18/04
Date of Next Scheduled EDR Contact: 01/17/05

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 09/13/04
Database Release Frequency: Quarterly
Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/20/04

STATE OF CALIFORNIA ASTM STANDARD RECORDS

AWP: Annual Workplan Sites
Source: California Environmental Protection Agency
Telephone: 916-323-3400
Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 10/05/04
Date Made Active at EDR: 11/03/04
Database Release Frequency: Annually
Date of Data Arrival at EDR: 10/15/04
Elapsed ASTM days: 19
Date of Last EDR Contact: 09/16/04

CAL-SITES: Calsites Database
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 10/05/04
Date Made Active at EDR: 11/03/04
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 10/15/04
Elapsed ASTM days: 19
Date of Last EDR Contact: 09/16/04

CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-845-8400
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/03
Date Made Active at EDR: 06/25/04
Database Release Frequency: Varies
Date of Data Arrival at EDR: 05/18/04
Elapsed ASTM days: 38
Date of Last EDR Contact: 08/23/04

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/01
Date Made Active at EDR: 07/26/01
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 05/29/01
Elapsed ASTM days: 58
Date of Last EDR Contact: 10/28/04

NOTIFY 65: Proposition 65 Records
Source: State Water Resources Control Board
Telephone: 916-445-3846
Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/93
Date Made Active at EDR: 11/19/93
Database Release Frequency: No Update Planned
Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 10/18/04

TOXIC PITS: Toxic Pits Cleanup Act Sites
Source: State Water Resources Control Board
Telephone: 916-227-4364
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/95
Date Made Active at EDR: 09/26/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/30/95
Elapsed ASTM days: 27
Date of Last EDR Contact: 11/01/04

SWF/LF (SWIS): Solid Waste Information System
Source: Integrated Waste Management Board
Telephone: 916-341-6320
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/13/04
Date Made Active at EDR: 10/12/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/14/04
Elapsed ASTM days: 28
Date of Last EDR Contact: 09/14/04

WMUDS/SWAT: Waste Management Unit Database
Source: State Water Resources Control Board
Telephone: 916-227-4448
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility information, Scheduled Inspections Information, Waste Management Unit information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/00
Date Made Active at EDR: 05/10/00
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/10/00
Elapsed ASTM days: 30
Date of Last EDR Contact: 09/08/04

LUST: Leaking Underground Storage Tank Information System
Source: State Water Resources Control Board
Telephone: 916-341-5752
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 10/13/04
Date Made Active at EDR: 11/03/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/13/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 10/13/04

CA BOND EXP. PLAN: Bond Expenditure Plan
Source: Department of Health Services
Telephone: 916-255-2118
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89
Date Made Active at EDR: 08/02/94
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94
Elapsed ASTM days: 6
Date of Last EDR Contact: 05/31/94

CA UST:

UST: Active UST Facilities
Source: SWRCB
Telephone: 916-341-5752
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 10/13/04
Date Made Active at EDR: 11/03/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 10/13/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 10/13/04

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/05/04
Date Made Active at EDR: 11/03/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/15/04
Elapsed ASTM days: 19
Date of Last EDR Contact: 09/16/04

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: Environmental Protection Agency
Telephone: 415-972-3372
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/03/04
Date Made Active at EDR: 11/03/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 10/06/04
Elapsed ASTM days: 28
Date of Last EDR Contact: 08/23/04

INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: EPA Region 10
Telephone: 206-553-2857
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 09/29/04
Date Made Active at EDR: 10/22/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 10/01/04
Elapsed ASTM days: 21
Date of Last EDR Contact: 08/23/04

INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 9
Telephone: 415-972-3368

Date of Government Version: 06/18/04
Date Made Active at EDR: 07/26/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 06/21/04
Elapsed ASTM days: 35
Date of Last EDR Contact: 08/23/04

CA FID UST: Facility Inventory Database
Source: California Environmental Protection Agency
Telephone: 916-445-6532
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/94
Date Made Active at EDR: 09/29/95
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/05/95
Elapsed ASTM days: 24
Date of Last EDR Contact: 12/28/98

HIST UST: Hazardous Substance Storage Container Database
Source: State Water Resources Control Board
Telephone: 916-341-5700
The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/90
Date Made Active at EDR: 02/12/91
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 01/25/91
Elapsed ASTM days: 18
Date of Last EDR Contact: 07/26/01

STATE OF CALIFORNIA ASTM SUPPLEMENTAL RECORDS

AST: Aboveground Petroleum Storage Tank Facilities
Source: State Water Resources Control Board
Telephone: 916-341-5712
Registered Aboveground Storage Tanks.

Date of Government Version: 12/01/03
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/01/04
Date of Next Scheduled EDR Contact: 01/31/05

CLEANERS: Cleaner Facilities
Source: Department of Toxic Substance Control
Telephone: 916-225-0873
A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 04/21/04
Database Release Frequency: Annually

Date of Last EDR Contact: 11/01/04
Date of Next Scheduled EDR Contact: 01/03/05

CA WDS: Waste Discharge System
Source: State Water Resources Control Board
Telephone: 916-341-5227
Sites which have been issued waste discharge requirements.

Date of Government Version: 10/11/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/21/04
Date of Next Scheduled EDR Contact: 12/20/04

DEED: List of Deed Restrictions
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 10/04/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

NFA: No Further Action Determination
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 10/05/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/04
Date of Next Scheduled EDR Contact: 11/29/04

EMI: Emissions Inventory Data
Source: California Air Resources Board
Telephone: 916-322-2990
Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/02
Database Release Frequency: Varies

Date of Last EDR Contact: 10/22/04
Date of Next Scheduled EDR Contact: 01/17/05

REF: Unconfirmed Properties Referred to Another Agency
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 10/05/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/04
Date of Next Scheduled EDR Contact: 11/29/04

SCH: School Property Evaluation Program
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/05/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/04
Date of Next Scheduled EDR Contact: 11/29/04

NFE: Properties Needing Further Evaluation
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA in Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 10/05/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/16/04
Date of Next Scheduled EDR Contact: 11/29/04

SLIC: Statewide SLIC Cases
Source: State Water Resources Control Board
Telephone: 916-341-5752
The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 10/13/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/13/04
Date of Next Scheduled EDR Contact: 01/10/05

HAZNET: Facility and Manifest Data
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 11/08/04
Date of Next Scheduled EDR Contact: 02/07/05

LOCAL RECORDS

ALAMEDA COUNTY:

Local Oversight Program Listing of UGT Cleanup Sites
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 08/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

Underground Tanks
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 08/17/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

CONTRA COSTA COUNTY:

Site List
Source: Contra Costa Health Services Department
Telephone: 925-646-2286
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/30/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/30/04
Date of Next Scheduled EDR Contact: 11/29/04

FRESNO COUNTY:

CUPA Resources List
Source: Dept. of Community Health
Telephone: 559-445-3271
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 07/21/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/08/04
Date of Next Scheduled EDR Contact: 02/07/05

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing
Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 09/14/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/06/04

LOS ANGELES COUNTY:

List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 06/03/03
Database Release Frequency: Varies

Date of Last EDR Contact: 11/18/04
Date of Next Scheduled EDR Contact: 02/14/05

City of El Segundo Underground Storage Tank
Source: City of El Segundo Fire Department
Telephone: 310-524-2236

Date of Government Version: 09/07/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/15/04
Date of Next Scheduled EDR Contact: 02/14/05

City of Long Beach Underground Storage Tank
Source: City of Long Beach Fire Department
Telephone: 562-570-2543

Date of Government Version: 03/28/03
Database Release Frequency: Annually

Date of Last EDR Contact: 08/27/04
Date of Next Scheduled EDR Contact: 11/22/04

City of Torrance Underground Storage Tank
Source: City of Torrance Fire Department
Telephone: 310-618-2973

Date of Government Version: 08/16/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/15/04
Date of Next Scheduled EDR Contact: 02/14/05

City of Los Angeles Landfills
Source: Engineering & Construction Division
Telephone: 213-473-7869

Date of Government Version: 03/01/04
Database Release Frequency: Varies

Date of Last EDR Contact: 09/14/04
Date of Next Scheduled EDR Contact: 12/13/04

HMS: Street Number List
Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/12/04
Date of Next Scheduled EDR Contact: 02/14/05

Site Mitigation List
Source: Community Health Services
Telephone: 323-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/26/04
Database Release Frequency: Annually

Date of Last EDR Contact: 11/15/04
Date of Next Scheduled EDR Contact: 02/14/05

San Gabriel Valley Areas of Concern
Source: EPA Region 9
Telephone: 415-972-3178
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/98
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/06/99
Date of Next Scheduled EDR Contact: N/A

MARIN COUNTY:

Underground Storage Tank Sites
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

Date of Government Version: 08/18/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/01/04
Date of Next Scheduled EDR Contact: 01/31/05

NAPA COUNTY:

Sites With Reported Contamination
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 09/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/27/04

Closed and Operating Underground Storage Tank Sites
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 09/29/04
Database Release Frequency: Annually

Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/27/04

ORANGE COUNTY:

List of Underground Storage Tank Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/14/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/09/04
Date of Next Scheduled EDR Contact: 12/06/04

List of Underground Storage Tank Facilities
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 09/01/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/09/04
Date of Next Scheduled EDR Contact: 12/06/04

List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 09/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 09/09/04
Date of Next Scheduled EDR Contact: 12/06/04

PLACER COUNTY:

Master List of Facilities
Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 10/04/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/20/04

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites
Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/21/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/18/04
Date of Next Scheduled EDR Contact: 01/17/05

Underground Storage Tank Tank List
Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 06/21/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/18/04
Date of Next Scheduled EDR Contact: 01/17/05

SACRAMENTO COUNTY:

CS - Contaminated Sites
Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 08/28/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/13/04
Date of Next Scheduled EDR Contact: 01/31/05

ML - Regulatory Compliance Master List
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 09/02/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/02/04
Date of Next Scheduled EDR Contact: 01/31/05

SAN BERNARDINO COUNTY:

Hazardous Material Permits
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 09/17/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/06/04

SAN DIEGO COUNTY:

Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/00
Database Release Frequency: Varies

Date of Last EDR Contact: 08/23/04
Date of Next Scheduled EDR Contact: 11/22/04

Hazardous Materials Management Division Database
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/29/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/08/04
Date of Next Scheduled EDR Contact: 01/03/05

SAN FRANCISCO COUNTY:

Local Oversite Facilities
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 09/15/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/06/04

Underground Storage Tank Information
Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 09/15/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/26/04

SAN MATEO COUNTY:

Fuel Leak List
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 10/27/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/12/04
Date of Next Scheduled EDR Contact: 01/10/05

Business Inventory
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 08/19/04
Database Release Frequency: Annually

Date of Last EDR Contact: 10/12/04
Date of Next Scheduled EDR Contact: 01/10/05

SANTA CLARA COUNTY:

Fuel Leak Site Activity Report
Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 06/30/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/27/04

Hazardous Material Facilities
Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 10/01/03
Database Release Frequency: Annually

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/06/04

SOLANO COUNTY:

Leaking Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 09/20/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/13/04
Date of Next Scheduled EDR Contact: 12/13/04

Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 09/20/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/13/04
Date of Next Scheduled EDR Contact: 12/13/04

SONOMA COUNTY:

Leaking Underground Storage Tank Sites
Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 10/25/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

SUTTER COUNTY:

Underground Storage Tanks
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 01/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/18/04
Date of Next Scheduled EDR Contact: 01/03/05

VENTURA COUNTY:

Inventory of Illegal Abandoned and Inactive Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 08/25/04
Date of Next Scheduled EDR Contact: 11/22/04

Listing of Underground Tank Cleanup Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/02/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/14/04
Date of Next Scheduled EDR Contact: 12/13/04

Underground Tank Closed Sites List
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 09/29/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/13/04
Date of Next Scheduled EDR Contact: 01/10/05

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/02/04 — Date of Last EDR Contact: 09/14/04
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 12/13/04

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report
Source: Yolo County Department of Health
Telephone: 530-666-8646

Date of Government Version: 06/02/04 — Date of Last EDR Contact: 10/18/04
Database Release Frequency: Annually — Date of Next Scheduled EDR Contact: 01/17/05

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST REG 1: Active Toxic Site Investigation
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/01 — Date of Last EDR Contact: 08/23/04
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 11/22/04

LUST REG 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 09/30/04 — Date of Last EDR Contact: 10/13/04
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 01/10/05

LUST REG 3: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/03 — Date of Last EDR Contact: 11/17/04
Database Release Frequency: Varies — Date of Next Scheduled EDR Contact: 02/14/05

LUST REG 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/04 — Date of Last EDR Contact: 08/16/04
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 12/27/04

LUST REG 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291

Date of Government Version: 10/01/04 — Date of Last EDR Contact: 10/22/04
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 01/30/05

LUST REG 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/03 — Date of Last EDR Contact: 09/08/04
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 12/06/04

LUST REG 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 08/09/04 — Date of Last EDR Contact: 10/04/04
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 01/03/05

LUST REG 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 02/26/04 — Date of Last EDR Contact: 09/27/04
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 12/27/04

LUST REG 8: Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-4130
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 07/01/04 — Date of Last EDR Contact: 11/10/04
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 02/07/05

LUST REG 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/01 — Date of Last EDR Contact: 10/18/04
Database Release Frequency: No Update Planned — Date of Next Scheduled EDR Contact: 01/17/05

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC REG 1: Active Toxic Site Investigations
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/03 — Date of Last EDR Contact: 08/23/04
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 11/22/04

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/30/04 — Date of Last EDR Contact: 10/13/04
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 01/10/05

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 08/20/04 — Date of Last EDR Contact: 11/15/04
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 02/14/05

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 07/08/04 — Date of Last EDR Contact: 10/25/04
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 01/24/05

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/04 — Date of Last EDR Contact: 10/06/04
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 01/03/05

SLIC REG 6L: SLIC Sites
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574

Date of Government Version: 09/07/04 — Date of Last EDR Contact: 09/07/04
Database Release Frequency: Varies — Date of Next Scheduled EDR Contact: 12/06/04

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 04/01/04 — Date of Last EDR Contact: 10/04/04
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 01/03/05

SLIC REG 7: SLIC List
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491

Date of Government Version: 08/25/04 — Date of Last EDR Contact: 08/23/04
Database Release Frequency: Varies — Date of Next Scheduled EDR Contact: 11/22/04

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298

Date of Government Version: 07/01/04 — Date of Last EDR Contact: 10/08/04
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 01/03/05

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Date of Government Version: 09/10/04 — Date of Last EDR Contact: 08/30/04
Database Release Frequency: Annually — Date of Next Scheduled EDR Contact: 11/29/04

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

BROWNFIELDS DATABASES

VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/05/04 — Date of Last EDR Contact: 09/16/04
Database Release Frequency: Quarterly — Date of Next Scheduled EDR Contact: 11/29/04

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A — Date of Last EDR Contact: N/A
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

1250 ACRE PARCEL
1250 ACRE PARCELL
VALENCIA, CA 91355

TARGET PROPERTY COORDINATES

Latitude (North):	34.421600 - 34° 25' 17.8"
Longitude (West):	118.610497 - 118° 36' 37.8"
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	352002.1
UTM Y (Meters):	3809884.0
Elevation:	1192 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

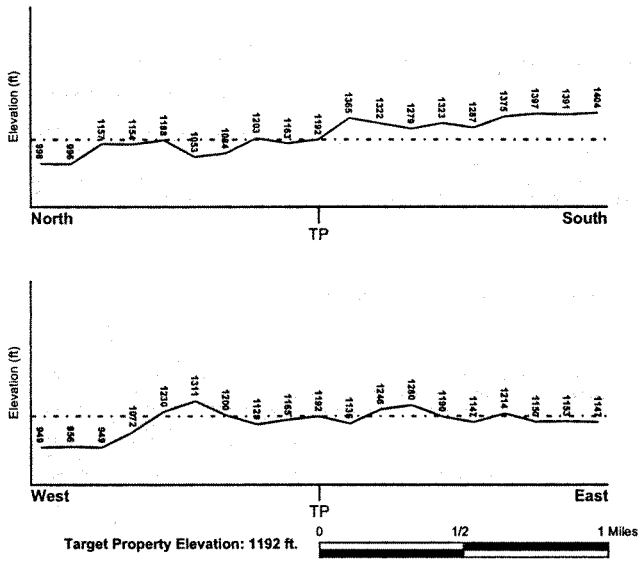
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	34118-D5 NEWHALL, CA
General Topographic Gradient:	General NNW
Source:	USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
LOS ANGELES, CA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property:	0650430345B
Additional Panels in search area:	0650430340B 0607290345C 0607290460C 0650430460B 0650430475B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NEWHALL	Not Available

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Cenozoic
System:	Tertiary
Series:	Pliocene
Code:	Tpc *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	CIENEBA
Soil Surface Texture:	loam
Hydrologic Group:	Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.
Soil Drainage Class:	Somewhat excessive. Soils have high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 4 inches

Depth to Bedrock Max: > 20 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information

	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	10 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 7.30 Min: 5.10
2	10 inches	14 inches	weathered bedrock	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:	gravelly - sandy loam silty clay loam unweathered bedrock very gravelly - sandy loam gravelly - loam very gravelly - silt loam very fine sandy loam sandy loam
Surficial Soil Types:	gravelly - sandy loam silty clay loam unweathered bedrock very gravelly - sandy loam gravelly - loam very gravelly - silt loam very fine sandy loam sandy loam
Shallow Soil Types:	very gravelly - silt loam
Deeper Soil Types:	unweathered bedrock

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	4533	1/2 - 1 Mile East

STATE OIL/GAS WELL INFORMATION

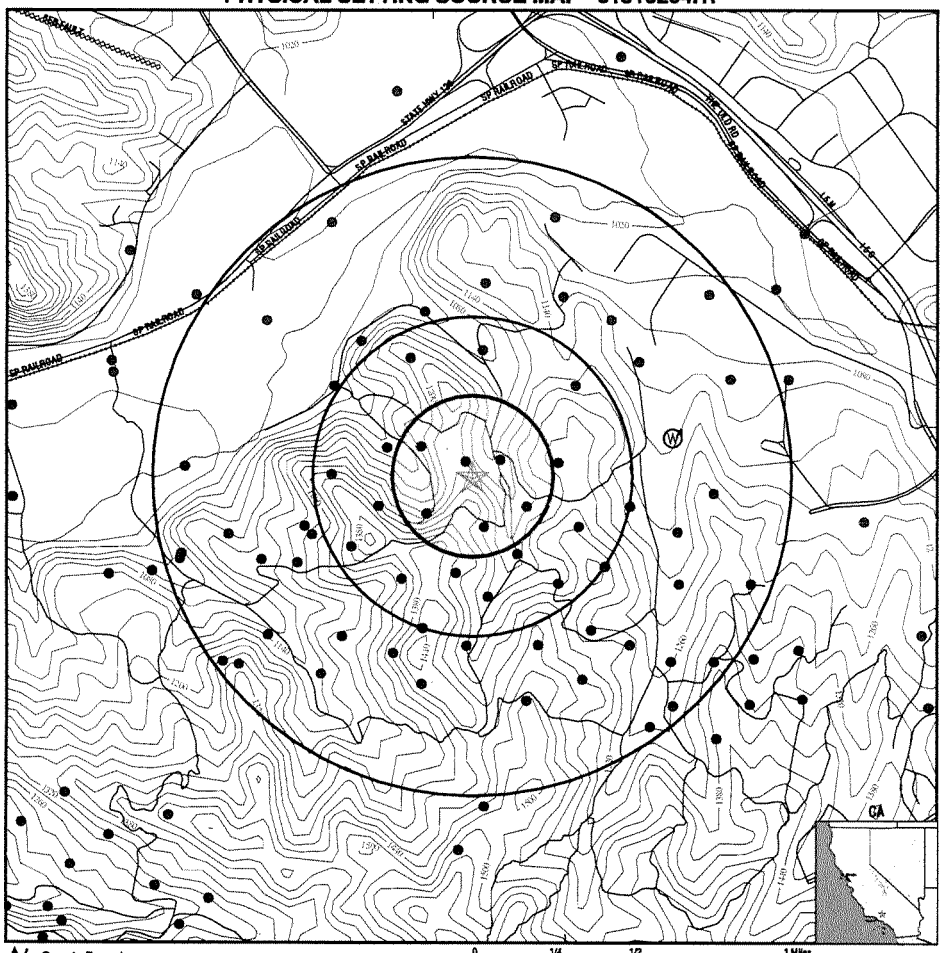
DISTANCE FROM TP (Miles)	DISTANCE FROM TP (Miles)
1 - 2 Miles North	1 - 2 Miles NNE
1 - 2 Miles NW	1 - 2 Miles NW
1 - 2 Miles NNW	1 - 2 Miles NE
1 - 2 Miles NNE	1 - 2 Miles North
1 - 2 Miles WNW	1 - 2 Miles WNW
1/2 - 1 Mile NNE	1/2 - 1 Mile NNW
1 - 2 Miles NE	1 - 2 Miles WNW
1 - 2 Miles ENE	1/2 - 1 Mile North
1 - 2 Miles ENE	1/2 - 1 Mile NE
1 - 2 Miles WNW	1/2 - 1 Mile NNE
1/2 - 1 Mile NNW	1/2 - 1 Mile NE
1/2 - 1 Mile NW	1 - 2 Miles ENE
1/2 - 1 Mile NW	1/4 - 1/2 Mile North
1/4 - 1/2 Mile NNW	1 - 2 Miles WNW
1/2 - 1 Mile NE	1 - 2 Miles WNW
1/2 - 1 Mile ENE	1 - 2 Miles ENE
1/4 - 1/2 Mile NE	1/2 - 1 Mile WNW
1 - 2 Miles West	1 - 2 Miles West
1/8 - 1/4 Mile WNW	1/4 - 1/2 Mile WNW
0 - 1/8 Mile ENE	0 - 1/8 Mile NNW
1/4 - 1/2 Mile East	1/2 - 1 Mile West
1/4 - 1/2 Mile West	1/2 - 1 Mile East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

DISTANCE FROM TP (Miles)	DISTANCE FROM TP (Miles)
1 - 2 Miles West	1/4 - 1/2 Mile WSW
1/2 - 1 Mile East	1/8 - 1/4 Mile ESE
1 - 2 Miles West	1/8 - 1/4 Mile SW
1 - 2 Miles East	1/2 - 1 Mile WSW
1/4 - 1/2 Mile ESE	1/8 - 1/4 Mile SSE
1/2 - 1 Mile ESE	1/2 - 1 Mile WSW
1/2 - 1 Mile WSW	1/4 - 1/2 Mile WSW
1/2 - 1 Mile WSW	1/4 - 1/2 Mile SSE
1/2 - 1 Mile WSW	1/2 - 1 Mile WSW
1/2 - 1 Mile WSW	1/2 - 1 Mile SE
1 - 2 Miles WSW	1/4 - 1/2 Mile South
1 - 2 Miles WSW	1/4 - 1/2 Mile SW
1/4 - 1/2 Mile SE	1/2 - 1 Mile ESE
1/2 - 1 Mile ESE	1/4 - 1/2 Mile South
1/4 - 1/2 Mile SSW	1/2 - 1 Mile SE
1/2 - 1 Mile SW	1 - 2 Miles ESE
1/2 - 1 Mile SW	1/2 - 1 Mile SSE
1/2 - 1 Mile SE	1/2 - 1 Mile South
1 - 2 Miles ESE	1/2 - 1 Mile SSW
1 - 2 Miles ESE	1/2 - 1 Mile SW
1/2 - 1 Mile SE	1/2 - 1 Mile SE
1/2 - 1 Mile SW	1/2 - 1 Mile SW
1/2 - 1 Mile SSE	1/2 - 1 Mile SSW
1 - 2 Miles SE	1/2 - 1 Mile SSE
1 - 2 Miles WSW	1 - 2 Miles SE
1/2 - 1 Mile SE	1 - 2 Miles ESE
1/2 - 1 Mile SE	1 - 2 Miles SE
1 - 2 Miles WSW	1 - 2 Miles SW
1 - 2 Miles WSW	1 - 2 Miles South
1 - 2 Miles SW	1 - 2 Miles SW
1 - 2 Miles SW	1 - 2 Miles SW
1 - 2 Miles SE	1 - 2 Miles South
1 - 2 Miles SW	1 - 2 Miles SW
1 - 2 Miles SW	1 - 2 Miles SSW
1 - 2 Miles SW	1 - 2 Miles SW
1 - 2 Miles SW	1 - 2 Miles SSW
1 - 2 Miles SW	1 - 2 Miles SW
1 - 2 Miles SW	1 - 2 Miles SSW
1 - 2 Miles SW	1 - 2 Miles SW
1 - 2 Miles SW	1 - 2 Miles SSW
1 - 2 Miles SSW	1 - 2 Miles SSW
1 - 2 Miles SSW	1 - 2 Miles SSW
1 - 2 Miles SSW	1 - 2 Miles SSW
1 - 2 Miles SSW	1 - 2 Miles South

PHYSICAL SETTING SOURCE MAP - 01316204.1r



- County Boundary
- Major Roads
- Contour Lines
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

TARGET PROPERTY:	1250 Acre Parcel	CUSTOMER:	Building Analytics
ADDRESS:	1250 Acre Parcell	CONTACT:	Russell Cote
CITY/STATE/ZIP:	Valencia CA 91355	INQUIRY #:	01316204.1r
LAT/LONG:	34.4216 / 118.6105	DATE:	November 29, 2004 8:09 pm

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GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 East 1/2 - 1 Mile Lower		CA WELLS	4533

Water System Information:

Prime Station Code:	04N/16W-19C01 S	User ID:	19C
FRDS Number:	1909917001	County:	Los Angeles
District Number:	49	Station Type:	WELL/AMBNT/MUN/INTAKE
Water Type:	Well/Groundwater	Well Status:	Active Raw
Source Lat/Long:	342524.0 1183555.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 156		
System Number:	1909917		
System Name:	FEED MILL		
Organization That Operates System:	23823 VALENCIA BLVD VALENCIA, CA 91355		
Pop Served:	25	Connections:	7
Area Served:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

North
1 - 2 Miles — **OIL_GAS** — **CA00008942**

Well Number:	D-3	Status:	Plugged and abandoned-dry hole
API Number:	03707300	Operator:	Texaco E & P Inc
Latitude:	34.447757	Longitude:	-118.604933
Region:	2	Lease:	Newhall
Section:	07	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NNE
1 - 2 Miles — **OIL_GAS** — **CA00009433**

Well Number:	C-5	Status:	108
API Number:	03707622	Operator:	Southern Ca Gas Co
Latitude:	34.445792	Longitude:	-118.594177
Region:	2	Lease:	WEZU
Section:	07	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NW
1 - 2 Miles — **OIL_GAS** — **CA00008939**

Well Number:	B-1	Status:	Plugged and abandoned-dry hole
API Number:	03706107	Operator:	Texaco E & P Inc
Latitude:	34.444225	Longitude:	-118.630643
Region:	2	Lease:	Newhall
Section:	11	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NW
1 - 2 Miles — **OIL_GAS** — **CA00008940**

Well Number:	D-1	Status:	Plugged and abandoned-dry hole
API Number:	03706108	Operator:	Texaco E & P Inc
Latitude:	34.444098	Longitude:	-118.630303
Region:	2	Lease:	Newhall
Section:	11	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

NNW
1 - 2 Miles — **OIL_GAS** — **CA00008941**

Well Number:	D-2	Status:	Plugged and abandoned-dry hole
API Number:	03706109	Operator:	Texaco E & P Inc
Latitude:	34.444058	Longitude:	-118.619976
Region:	2	Lease:	Newhall
Section:	12	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NE
1 - 2 Miles — **OIL_GAS** — **CA00012138**

Well Number:	1	Status:	Plugged and abandoned-dry hole
API Number:	03706043	Operator:	Mobil Oil Corp
Latitude:	34.441024	Longitude:	-118.583963
Region:	2	Lease:	N. L. & F.
Section:	08	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NNE
1 - 2 Miles — **OIL_GAS** — **CA00008944**

Well Number:	F-1	Status:	Plugged and abandoned-dry hole
API Number:	03706111	Operator:	Texaco E & P Inc
Latitude:	34.440622	Longitude:	-118.601451
Region:	2	Lease:	Newhall
Section:	07	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

North
1 - 2 Miles — **OIL_GAS** — **CA00013561**

Well Number:	B-1	Status:	Plugged and abandoned-dry hole
API Number:	03705490	Operator:	Exxon Corp
Latitude:	34.439071	Longitude:	-118.613720
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	12	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

WNW
1 - 2 Miles — **OIL_GAS** — **CA00010300**

Well Number:	1	Status:	Plugged and abandoned-dry hole
API Number:	03722056	Operator:	Santa Fe Energy Resources
Latitude:	34.434360	Longitude:	-118.637827
Region:	2	Lease:	N. L. & F.
Section:	14	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WNW
1 - 2 Miles — **OIL_GAS** — **CA00013589**

Well Number:	55	Status:	Plugged and abandoned-dry hole
API Number:	03716518	Operator:	Exxon Corp
Latitude:	34.433828	Longitude:	-118.636435
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	14	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NNE
1/2 - 1 Mile — **OIL_GAS** — **CA00013576**

Well Number:	69	Status:	135
API Number:	03716528	Operator:	Exxon Corp
Latitude:	34.433372	Longitude:	-118.605058
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	18	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NNW
1/2 - 1 Mile — **OIL_GAS** — **CA00013538**

Well Number:	2	Status:	230
API Number:	03716535	Operator:	Exxon Corp
Latitude:	34.433129	Longitude:	-118.617295
Region:	2	Lease:	Newhall Land & Farming Co. 12
Section:	13	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

NE
1 - 2 Miles — **OIL_GAS** — **CA00013555**

Well Number:	75	Status:	Plugged and abandoned oil-directional
API Number:	03716533	Operator:	Exxon Corp
Latitude:	34.432641	Longitude:	-118.591361
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	18	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WNW
1 - 2 Miles — **OIL_GAS** — **CA00013578**

Well Number:	70	Status:	Plugged and abandoned oil-directional
API Number:	03716529	Operator:	Exxon Corp
Latitude:	34.431838	Longitude:	-118.628361
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	14	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ENE
1 - 2 Miles — **OIL_GAS** — **CA00013565**

Well Number:	F-1	Status:	Plugged and abandoned-dry hole
API Number:	03705495	Operator:	Exxon Corp
Latitude:	34.431668	Longitude:	-118.582438
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	17	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

North
1/2 - 1 Mile — **OIL_GAS** — **CA00013556**

Well Number:	76	Status:	Plugged and abandoned oil-directional
API Number:	03716534	Operator:	Exxon Corp
Latitude:	34.430373	Longitude:	-118.608880
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	13	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction / Distance | Database | EDR ID Number

ENE
1 - 2 Miles | **OIL_GAS** | **CA00013554**

Well Number:	74	Status:	Plugged and abandoned oil-directional
API Number:	03716532	Operator:	Exxon Corp
Latitude:	34.430104	Longitude:	-118.592930
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	18	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NE
1/2 - 1 Mile | **OIL_GAS** | **CA00013553**

Well Number:	73	Status:	137
API Number:	03716531	Operator:	Exxon Corp
Latitude:	34.429852	Longitude:	-118.596595
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	18	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WNW
1 - 2 Miles | **OIL_GAS** | **CA00013575**

Well Number:	68	Status:	Plugged and abandoned oil
API Number:	03716527	Operator:	Exxon Corp
Latitude:	34.429832	Longitude:	-118.624709
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	14	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NNE
1/2 - 1 Mile | **OIL_GAS** | **CA00013573**

Well Number:	66	Status:	Plugged and abandoned oil
API Number:	03701977	Operator:	Exxon Corp
Latitude:	34.429748	Longitude:	-118.604609
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	18	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction / Distance | Database | EDR ID Number

NNW
1/2 - 1 Mile | **OIL_GAS** | **CA00013580**

Well Number:	72	Status:	Plugged and abandoned oil
API Number:	03716530	Operator:	Exxon Corp
Latitude:	34.429084	Longitude:	-118.612185
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	13	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NE
1/2 - 1 Mile | **OIL_GAS** | **CA00013579**

Well Number:	71	Status:	169
API Number:	03706299	Operator:	Exxon Corp
Latitude:	34.428699	Longitude:	-118.601974
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	18	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NW
1/2 - 1 Mile | **OIL_GAS** | **CA00013574**

Well Number:	67	Status:	Plugged and abandoned oil
API Number:	03716526	Operator:	Exxon Corp
Latitude:	34.428670	Longitude:	-118.620842
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	13	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ENE
1 - 2 Miles | **OIL_GAS** | **CA00015622**

Well Number:	1	Status:	Plugged and abandoned-dry hole
API Number:	03729958	Operator:	Badger Oil Company
Latitude:	34.428233	Longitude:	-118.578847
Region:	2	Lease:	Magic Mountain
Section:	17	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

NW
1/2 - 1 Mile — **OIL_GAS** — **CA00013572**

Well Number:	65	Status:	Plugged and abandoned oil-directional
API Number:	03716470	Operator:	Exxon Corp
Latitude:	34.427717	Longitude:	-118.615676
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	13	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

North
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013570**

Well Number:	63	Status:	Plugged and abandoned oil-directional
API Number:	03700147	Operator:	Exxon Corp
Latitude:	34.427306	Longitude:	-118.609028
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	13	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NNW
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013571**

Well Number:	64	Status:	Plugged and abandoned oil
API Number:	03716525	Operator:	Exxon Corp
Latitude:	34.426960	Longitude:	-118.612985
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	13	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WNW
1 - 2 Miles — **OIL_GAS** — **CA00013560**

Well Number:	9	Status:	Plugged and abandoned-dry hole
API Number:	03716480	Operator:	Exxon Corp
Latitude:	34.426825	Longitude:	-118.629340
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	14	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

NE
1/2 - 1 Mile — **OIL_GAS** — **CA00013567**

Well Number:	60	Status:	Plugged and abandoned oil
API Number:	03705101	Operator:	Exxon Corp
Latitude:	34.426786	Longitude:	-118.600438
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	18	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WNW
1 - 2 Miles — **OIL_GAS** — **CA00013557**

Well Number:	77	Status:	Plugged and abandoned-dry hole-directional
API Number:	03722047	Operator:	Exxon Corp
Latitude:	34.426314	Longitude:	-118.629247
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	14	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ENE
1/2 - 1 Mile — **OIL_GAS** — **CA00013568**

Well Number:	61	Status:	Plugged and abandoned oil-directional
API Number:	03716523	Operator:	Exxon Corp
Latitude:	34.425995	Longitude:	-118.595433
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	18	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ENE
1 - 2 Miles — **OIL_GAS** — **CA00013569**

Well Number:	62	Status:	169
API Number:	03716524	Operator:	Exxon Corp
Latitude:	34.425993	Longitude:	-118.592227
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	18	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

NE
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013593**

Well Number:	59	Status:	Plugged and abandoned oil
API Number:	03716522	Operator:	Exxon Corp
Latitude:	34.425718	Longitude:	-118.603938
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	18	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WNW
1/2 - 1 Mile — **OIL_GAS** — **CA00013592**

Well Number:	58	Status:	Plugged and abandoned oil-directional
API Number:	03716521	Operator:	Exxon Corp
Latitude:	34.425693	Longitude:	-118.617125
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	13	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

West
1 - 2 Miles — **OIL_GAS** — **CA00013584**

Well Number:	50	Status:	Plugged and abandoned oil
API Number:	03716515	Operator:	Exxon Corp
Latitude:	34.425228	Longitude:	-118.640066
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	14	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

West
1 - 2 Miles — **OIL_GAS** — **CA00013634**

Well Number:	2	Status:	Plugged and abandoned oil-directional
API Number:	03716473	Operator:	Exxon Corp
Latitude:	34.424787	Longitude:	-118.634809
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	14	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

WNW
1/8 - 1/4 Mile — **OIL_GAS** — **CA00013621**

Well Number:	33	Status:	Plugged and abandoned oil
API Number:	03716503	Operator:	Exxon Corp
Latitude:	34.422943	Longitude:	-118.612414
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WNW
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013599**

Well Number:	39	Status:	136
API Number:	03706409	Operator:	Exxon Corp
Latitude:	34.422889	Longitude:	-118.614261
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ENE
0 - 1/8 Mile — **OIL_GAS** — **CA00013630**

Well Number:	16	Status:	Plugged and abandoned oil
API Number:	03716487	Operator:	Exxon Corp
Latitude:	34.422344	Longitude:	-118.608066
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

NNW
0 - 1/8 Mile — **OIL_GAS** — **CA00013601**

Well Number:	40	Status:	Plugged and abandoned oil
API Number:	03716507	Operator:	Exxon Corp
Latitude:	34.422263	Longitude:	-118.609969
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

East
1/4 - 1/2 Mile — OIL_GAS — CA00013622

Well Number:	34	Status:	Plugged and abandoned oil
API Number:	03716504	Operator:	Exxon Corp
Latitude:	34.422208	Longitude:	-118.604877
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

West
1/2 - 1 Mile — OIL_GAS — CA00013623

Well Number:	1	Status:	Plugged and abandoned oil
API Number:	03716472	Operator:	Exxon Corp
Latitude:	34.422040	Longitude:	-118.625317
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	23	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

West
1/4 - 1/2 Mile — OIL_GAS — CA00013626

Well Number:	12	Status:	Plugged and abandoned oil
API Number:	03716483	Operator:	Exxon Corp
Latitude:	34.421679	Longitude:	-118.617297
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

East
1/2 - 1 Mile — OIL_GAS — CA00014751

Well Number:	6	Status:	Plugged and abandoned-dry hole
API Number:	03716536	Operator:	Chevron USA, Inc.
Latitude:	34.420819	Longitude:	-118.596350
Region:	2	Lease:	Newhall Land & Farming
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

West
1 - 2 Miles — OIL_GAS — CA00013606

Well Number:	45	Status:	Plugged and abandoned-dry hole
API Number:	03716511	Operator:	Exxon Corp
Latitude:	34.420650	Longitude:	-118.634767
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	23	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WSW
1/4 - 1/2 Mile — OIL_GAS — CA00013614

Well Number:	27	Status:	Plugged and abandoned oil
API Number:	03716498	Operator:	Exxon Corp
Latitude:	34.420239	Longitude:	-118.614736
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

East
1/2 - 1 Mile — OIL_GAS — CA00013616

Well Number:	29	Status:	136
API Number:	03706300	Operator:	Exxon Corp
Latitude:	34.420225	Longitude:	-118.600935
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ESE
1/8 - 1/4 Mile — OIL_GAS — CA00013631

Well Number:	17	Status:	Plugged and abandoned oil
API Number:	03716488	Operator:	Exxon Corp
Latitude:	34.420220	Longitude:	-118.606611
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

West
1 - 2 Miles — **OIL_GAS** — **CA00013588**

Well Number:	54	Status:	Plugged and abandoned-dry hole-directional
API Number:	03716517	Operator:	Exxon Corp
Latitude:	34.420122	Longitude:	-118.638090
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	23	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1/8 - 1/4 Mile — **OIL_GAS** — **CA00013628**

Well Number:	14	Status:	Plugged and abandoned oil
API Number:	03716485	Operator:	Exxon Corp
Latitude:	34.419900	Longitude:	-118.612093
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

East
1 - 2 Miles — **OIL_GAS** — **CA00013954**

Well Number:	1	Status:	Plugged and abandoned-dry hole
API Number:	03721702	Operator:	Dekalb Energy, Inc
Latitude:	34.419536	Longitude:	-118.588071
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	20	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WSW
1/2 - 1 Mile — **OIL_GAS** — **CA00013594**

Well Number:	6	Status:	Plugged and abandoned oil
API Number:	03716477	Operator:	Exxon Corp
Latitude:	34.419343	Longitude:	-118.618768
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

ESE
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013635**

Well Number:	20	Status:	Plugged and abandoned oil
API Number:	03716491	Operator:	Exxon Corp
Latitude:	34.419305	Longitude:	-118.603759
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSE
1/8 - 1/4 Mile — **OIL_GAS** — **CA00013620**

Well Number:	32	Status:	Plugged and abandoned oil
API Number:	03716502	Operator:	Exxon Corp
Latitude:	34.419300	Longitude:	-118.608938
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ESE
1/2 - 1 Mile — **OIL_GAS** — **CA00013595**

Well Number:	35	Status:	Plugged and abandoned oil
API Number:	03716505	Operator:	Exxon Corp
Latitude:	34.419067	Longitude:	-118.598330
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WSW
1/2 - 1 Mile — **OIL_GAS** — **CA00013624**

Well Number:	10	Status:	Plugged and abandoned oil
API Number:	03716481	Operator:	Exxon Corp
Latitude:	34.418972	Longitude:	-118.622942
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	23	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

WSW
1/2 - 1 Mile — **OIL_GAS** — **CA00013612**

Well Number:	25	Status:	136
API Number:	03716496	Operator:	Exxon Corp
Latitude:	34.418950	Longitude:	-118.618369
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WSW
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013559**

Well Number:	8	Status:	Plugged and abandoned oil
API Number:	03716479	Operator:	Exxon Corp
Latitude:	34.418401	Longitude:	-118.616208
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WSW
1/2 - 1 Mile — **OIL_GAS** — **CA00013590**

Well Number:	56	Status:	Plugged and abandoned oil-directional
API Number:	03716519	Operator:	Exxon Corp
Latitude:	34.418097	Longitude:	-118.625511
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	23	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSE
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013627**

Well Number:	13	Status:	Plugged and abandoned oil
API Number:	03716484	Operator:	Exxon Corp
Latitude:	34.418069	Longitude:	-118.607116
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

WSW
1/2 - 1 Mile — **OIL_GAS** — **CA00013607**

Well Number:	46	Status:	Plugged and abandoned oil
API Number:	03716512	Operator:	Exxon Corp
Latitude:	34.417857	Longitude:	-118.625595
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	23	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WSW
1/2 - 1 Mile — **OIL_GAS** — **CA00013603**

Well Number:	42	Status:	Plugged and abandoned gas
API Number:	03716509	Operator:	Exxon Corp
Latitude:	34.417819	Longitude:	-118.621121
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WSW
1/2 - 1 Mile — **OIL_GAS** — **CA00013617**

Well Number:	3	Status:	Plugged and abandoned oil
API Number:	03716474	Operator:	Exxon Corp
Latitude:	34.417690	Longitude:	-118.619161
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SE
1/2 - 1 Mile — **OIL_GAS** — **CA00013636**

Well Number:	21	Status:	Plugged and abandoned oil
API Number:	03716492	Operator:	Exxon Corp
Latitude:	34.417500	Longitude:	-118.602317
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

WSW
1 - 2 Miles — **OIL_GAS** — **CA00013586**

Well Number:	52	Status:	137
API Number:	03716516	Operator:	Exxon Corp
Latitude:	34.417322	Longitude:	-118.627121
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	23	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

South
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013629**

Well Number:	15	Status:	Plugged and abandoned oil
API Number:	03716486	Operator:	Exxon Corp
Latitude:	34.417226	Longitude:	-118.610494
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WSW
1 - 2 Miles — **OIL_GAS** — **CA00013591**

Well Number:	57	Status:	Plugged and abandoned-dry hole-directional
API Number:	03716520	Operator:	Exxon Corp
Latitude:	34.417166	Longitude:	-118.629478
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	23	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013613**

Well Number:	26	Status:	Plugged and abandoned oil
API Number:	03716497	Operator:	Exxon Corp
Latitude:	34.416961	Longitude:	-118.613448
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

SE
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013600**

Well Number:	4	Status:	Plugged and abandoned oil
API Number:	03716475	Operator:	Exxon Corp
Latitude:	34.416748	Longitude:	-118.604866
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ESE
1/2 - 1 Mile — **OIL_GAS** — **CA00013596**

Well Number:	36	Status:	Plugged and abandoned oil
API Number:	03706353	Operator:	Exxon Corp
Latitude:	34.416730	Longitude:	-118.594291
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ESE
1/2 - 1 Mile — **OIL_GAS** — **CA00013619**

Well Number:	31	Status:	Plugged and abandoned oil-directional
API Number:	03716501	Operator:	Exxon Corp
Latitude:	34.416720	Longitude:	-118.598237
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

South
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013577**

Well Number:	7	Status:	Plugged and abandoned oil
API Number:	03716478	Operator:	Exxon Corp
Latitude:	34.416152	Longitude:	-118.608730
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

SSW
1/4 - 1/2 Mile — **OIL_GAS** — **CA00013583**

Well Number:	5	Status:	Plugged and abandoned oil
API Number:	03716476	Operator:	Exxon Corp
Latitude:	34.414706	Longitude:	-118.612305
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SE
1/2 - 1 Mile — **OIL_GAS** — **CA00013633**

Well Number:	19	Status:	Plugged and abandoned oil
API Number:	03716490	Operator:	Exxon Corp
Latitude:	34.414621	Longitude:	-118.603049
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1/2 - 1 Mile — **OIL_GAS** — **CA00013632**

Well Number:	18	Status:	Plugged and abandoned oil
API Number:	03716489	Operator:	Exxon Corp
Latitude:	34.414409	Longitude:	-118.620771
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ESE
1 - 2 Miles — **OIL_GAS** — **CA00010734**

Well Number:	1	Status:	Plugged and abandoned-dry hole
API Number:	03722736	Operator:	Quintana Petroleum Corp
Latitude:	34.414400	Longitude:	-118.584888
Region:	2	Lease:	N. L. & F.-Valencia
Section:	20	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

SW
1/2 - 1 Mile — **OIL_GAS** — **CA00013610**

Well Number:	23	Status:	Plugged and abandoned oil
API Number:	03716494	Operator:	Exxon Corp
Latitude:	34.414335	Longitude:	-118.616708
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSE
1/2 - 1 Mile — **OIL_GAS** — **CA00013611**

Well Number:	24	Status:	Plugged and abandoned oil
API Number:	03716495	Operator:	Exxon Corp
Latitude:	34.413945	Longitude:	-118.605969
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SE
1/2 - 1 Mile — **OIL_GAS** — **CA00013615**

Well Number:	28	Status:	Plugged and abandoned oil
API Number:	03716499	Operator:	Exxon Corp
Latitude:	34.413946	Longitude:	-118.600944
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

South
1/2 - 1 Mile — **OIL_GAS** — **CA00013646**

Well Number:	1	Status:	Plugged and abandoned oil
API Number:	03706359	Operator:	Exxon Corp
Latitude:	34.413921	Longitude:	-118.609888
Region:	2	Lease:	Newhall Corporation
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

ESE
1 - 2 Miles — **OIL_GAS** — **CA00013605**

Well Number:	44	Status:	137
API Number:	03706354	Operator:	Exxon Corp
Latitude:	34.413716	Longitude:	-118.591661
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSW
1/2 - 1 Mile — **OIL_GAS** — **CA00013625**

Well Number:	11	Status:	Plugged and abandoned oil
API Number:	03716482	Operator:	Exxon Corp
Latitude:	34.413576	Longitude:	-118.613921
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ESE
1 - 2 Miles — **OIL_GAS** — **CA00013598**

Well Number:	38	Status:	Plugged and abandoned oil-directional
API Number:	03716506	Operator:	Exxon Corp
Latitude:	34.413320	Longitude:	-118.594122
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1/2 - 1 Mile — **OIL_GAS** — **CA00013558**

Well Number:	78	Status:	Plugged and abandoned-dry hole
API Number:	03722728	Operator:	Exxon Corp
Latitude:	34.413208	Longitude:	-118.623247
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	23	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

SE
1/2 - 1 Mile — **OIL_GAS** — **CA00013618**

Well Number:	30	Status:	Plugged and abandoned oil
API Number:	03716500	Operator:	Exxon Corp
Latitude:	34.413191	Longitude:	-118.598683
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SE
1/2 - 1 Mile — **OIL_GAS** — **CA00013597**

Well Number:	37	Status:	Plugged and abandoned oil
API Number:	03713506	Operator:	Exxon Corp
Latitude:	34.413175	Longitude:	-118.596309
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1/2 - 1 Mile — **OIL_GAS** — **CA00013587**

Well Number:	53	Status:	136
API Number:	03706358	Operator:	Exxon Corp
Latitude:	34.413070	Longitude:	-118.622358
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1/2 - 1 Mile — **OIL_GAS** — **CA00013609**

Well Number:	22	Status:	136
API Number:	03716493	Operator:	Exxon Corp
Latitude:	34.412628	Longitude:	-118.617868
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

SSE
1/2 - 1 Mile — **OIL_GAS** — **CA00013602**

Well Number:	41	Status:	Plugged and abandoned oil
API Number:	03716508	Operator:	Exxon Corp
Latitude:	34.412374	Longitude:	-118.603543
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSW
1/2 - 1 Mile — **OIL_GAS** — **CA00013647**

Well Number:	2	Status:	Plugged and abandoned-dry hole
API Number:	03716471	Operator:	Exxon Corp
Latitude:	34.412161	Longitude:	-118.612355
Region:	2	Lease:	Newhall Corporation
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SE
1 - 2 Miles — **OIL_GAS** — **CA00013585**

Well Number:	51	Status:	Plugged and abandoned oil
API Number:	03713527	Operator:	Exxon Corp
Latitude:	34.411481	Longitude:	-118.591446
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSE
1/2 - 1 Mile — **OIL_GAS** — **CA00013648**

Well Number:	3	Status:	Plugged and abandoned oil
API Number:	03706298	Operator:	Exxon Corp
Latitude:	34.411406	Longitude:	-118.606614
Region:	2	Lease:	Newhall Corporation
Section:	24	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

WSW
1 - 2 Miles — **OIL_GAS** — **CA00011180**

Well Number:	1	Status:	Plugged and abandoned-dry hole
API Number:	03712619	Operator:	Oryx Energy Co.
Latitude:	34.411341	Longitude:	-118.641297
Region:	2	Lease:	Newhall Land and Farming
Section:	22	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SE
1 - 2 Miles — **OIL_GAS** — **CA00013604**

Well Number:	43	Status:	Plugged and abandoned oil
API Number:	03716510	Operator:	Exxon Corp
Latitude:	34.411242	Longitude:	-118.594341
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SE
1/2 - 1 Mile — **OIL_GAS** — **CA00013581**

Well Number:	48	Status:	Plugged and abandoned oil
API Number:	03716513	Operator:	Exxon Corp
Latitude:	34.411173	Longitude:	-118.598564
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

ESE
1 - 2 Miles — **OIL_GAS** — **CA00010735**

Well Number:	2	Status:	Plugged and abandoned-dry hole
API Number:	03722744	Operator:	Quintana Petroleum Corp
Latitude:	34.411103	Longitude:	-118.584505
Region:	2	Lease:	N. L. & F.-Valencia
Section:	20	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction / Distance | Database | EDR ID Number

SE
1/2 - 1 Mile | OIL_GAS | CA00013582

Well Number:	49	Status:	Plugged and abandoned oil
API Number:	03716514	Operator:	Exxon Corp
Latitude:	34.410224	Longitude:	-118.599815
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SE
1 - 2 Miles | OIL_GAS | CA00013608

Well Number:	47	Status:	Plugged and abandoned oil
API Number:	03706355	Operator:	Exxon Corp
Latitude:	34.409683	Longitude:	-118.596170
Region:	2	Lease:	Newhall Land & Farming Co.
Section:	19	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

WSW
1 - 2 Miles | OIL_GAS | CA00012400

Well Number:	152	Status:	Plugged and abandoned oil
API Number:	03712654	Operator:	Medallion Calif Prpts Co
Latitude:	34.408044	Longitude:	-118.638431
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles | OIL_GAS | CA00012396

Well Number:	148	Status:	Completed oil
API Number:	03710658	Operator:	Medallion Calif Prpts Co
Latitude:	34.407216	Longitude:	-118.631878
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction / Distance | Database | EDR ID Number

WSW
1 - 2 Miles | OIL_GAS | CA00012418

Well Number:	144	Status:	036
API Number:	03712897	Operator:	Medallion Calif Prpts Co
Latitude:	34.406710	Longitude:	-118.636999
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

South
1 - 2 Miles | OIL_GAS | CA00011122

Well Number:	1	Status:	Plugged and abandoned-dry hole
API Number:	03706028	Operator:	Oryx Energy Co.
Latitude:	34.406603	Longitude:	-118.608929
Region:	2	Lease:	Sunray-McCulloch NCS
Section:	25	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles | OIL_GAS | CA00011172

Well Number:	155	Status:	Plugged and abandoned oil
API Number:	03712657	Operator:	Oryx Energy Co.
Latitude:	34.406209	Longitude:	-118.626209
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles | OIL_GAS | CA00012415

Well Number:	141	Status:	Completed oil
API Number:	03712894	Operator:	Medallion Calif Prpts Co
Latitude:	34.405879	Longitude:	-118.634270
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

SW
1 - 2 Miles — **OIL_GAS** — **CA00012429**

Well Number:	125	Status:	Completed oil
API Number:	03712879	Operator:	Medallion Calif Prpts Co
Latitude:	34.405673	Longitude:	-118.636915
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles — **OIL_GAS** — **CA00012395**

Well Number:	147	Status:	036
API Number:	03712900	Operator:	Medallion Calif Prpts Co
Latitude:	34.405297	Longitude:	-118.629468
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SE
1 - 2 Miles — **OIL_GAS** — **CA00013424**

Well Number:	1	Status:	Plugged and abandoned-dry hole
API Number:	03705418	Operator:	General Exploration Co of Ca
Latitude:	34.404767	Longitude:	-118.587934
Region:	2	Lease:	N. L. & F.
Section:	29	Township:	04N
Range:	16W	Map Number:	252
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

South
1 - 2 Miles — **OIL_GAS** — **CA00012462**

Well Number:	1	Status:	Plugged and abandoned-dry hole
API Number:	03705637	Operator:	Mcor Oil and Gas Corporation
Latitude:	34.404634	Longitude:	-118.610344
Region:	2	Lease:	McCulloch NC
Section:	25	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

SW
1 - 2 Miles — **OIL_GAS** — **CA00012426**

Well Number:	122	Status:	Completed oil
API Number:	03713299	Operator:	Medallion Calif Prpts Co
Latitude:	34.404277	Longitude:	-118.635216
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles — **OIL_GAS** — **CA00012410**

Well Number:	132	Status:	108
API Number:	03712886	Operator:	Medallion Calif Prpts Co
Latitude:	34.403961	Longitude:	-118.631592
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles — **OIL_GAS** — **CA00012417**

Well Number:	143	Status:	Completed oil
API Number:	03712896	Operator:	Medallion Calif Prpts Co
Latitude:	34.402996	Longitude:	-118.626936
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSW
1 - 2 Miles — **OIL_GAS** — **CA00011179**

Well Number:	6-7	Status:	Plugged and abandoned oil
API Number:	03712618	Operator:	Oryx Energy Co.
Latitude:	34.402421	Longitude:	-118.623989
Region:	2	Lease:	Newhall Corp.-Wolfson
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction / Distance | Database | EDR ID Number

SW
1 - 2 Miles | **OIL_GAS** | **CA00012358**

Well Number:	65	Status:	Completed oil
API Number:	03713245	Operator:	Medallion Calif Prpts Co
Latitude:	34.402027	Longitude:	-118.635092
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles | **OIL_GAS** | **CA00011142**

Well Number:	84	Status:	136
API Number:	03713263	Operator:	Oryx Energy Co.
Latitude:	34.402023	Longitude:	-118.632798
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles | **OIL_GAS** | **CA00012441**

Well Number:	109	Status:	Completed oil
API Number:	03713288	Operator:	Medallion Calif Prpts Co
Latitude:	34.401373	Longitude:	-118.632033
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSW
1 - 2 Miles | **OIL_GAS** | **CA00011174**

Well Number:	1	Status:	Plugged and abandoned-dry hole
API Number:	03712613	Operator:	Oryx Energy Co.
Latitude:	34.401215	Longitude:	-118.625593
Region:	2	Lease:	Newhall Corp.-Wolfson
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction / Distance | Database | EDR ID Number

SW
1 - 2 Miles | **OIL_GAS** | **CA00011159**

Well Number:	57	Status:	136
API Number:	03712869	Operator:	Oryx Energy Co.
Latitude:	34.400633	Longitude:	-118.633068
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles | **OIL_GAS** | **CA00012344**

Well Number:	80	Status:	Completed oil
API Number:	03713259	Operator:	Medallion Calif Prpts Co
Latitude:	34.400233	Longitude:	-118.630250
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles | **OIL_GAS** | **CA00011143**

Well Number:	85	Status:	136
API Number:	03713264	Operator:	Oryx Energy Co.
Latitude:	34.400023	Longitude:	-118.627790
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSW
1 - 2 Miles | **OIL_GAS** | **CA00011175**

Well Number:	2-7	Status:	Plugged and abandoned oil
API Number:	03712614	Operator:	Oryx Energy Co.
Latitude:	34.399762	Longitude:	-118.625771
Region:	2	Lease:	Newhall Corp.-Wolfson
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

SW
1 - 2 Miles — **OIL_GAS** — **CA00012427**

Well Number:	123	Status:	Completed oil
API Number:	03713300	Operator:	Medallion Calif Prpts Co
Latitude:	34.399348	Longitude:	-118.631520
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles — **OIL_GAS** — **CA00012354**

Well Number:	55	Status:	134
API Number:	03712867	Operator:	Medallion Calif Prpts Co
Latitude:	34.398571	Longitude:	-118.630682
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SW
1 - 2 Miles — **OIL_GAS** — **CA00011140**

Well Number:	79	Status:	136
API Number:	03713258	Operator:	Oryx Energy Co.
Latitude:	34.398406	Longitude:	-118.628660
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSW
1 - 2 Miles — **OIL_GAS** — **CA00011176**

Well Number:	3-5	Status:	Plugged and abandoned oil
API Number:	03712615	Operator:	Oryx Energy Co.
Latitude:	34.397752	Longitude:	-118.619935
Region:	2	Lease:	Newhall Corp.-Wolfson
Section:	25	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

SSW
1 - 2 Miles — **OIL_GAS** — **CA00012347**

Well Number:	83	Status:	Completed oil
API Number:	03713262	Operator:	Medallion Calif Prpts Co
Latitude:	34.397611	Longitude:	-118.625051
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSW
1 - 2 Miles — **OIL_GAS** — **CA00012366**

Well Number:	73	Status:	Completed oil
API Number:	03713252	Operator:	Medallion Calif Prpts Co
Latitude:	34.396613	Longitude:	-118.626457
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSW
1 - 2 Miles — **OIL_GAS** — **CA00012349**

Well Number:	88	Status:	036
API Number:	03713267	Operator:	Medallion Calif Prpts Co
Latitude:	34.396179	Longitude:	-118.621185
Region:	2	Lease:	Rancho San Francisco
Section:	25	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSW
1 - 2 Miles — **OIL_GAS** — **CA00012333**

Well Number:	99	Status:	Completed oil
API Number:	03713279	Operator:	Medallion Calif Prpts Co
Latitude:	34.396163	Longitude:	-118.624061
Region:	2	Lease:	Rancho San Francisco
Section:	26	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SSW
1 - 2 Miles | **OIL_GAS** | **CA00011177**

Well Number:	4-5	Status:	Plugged and abandoned oil
API Number:	03712616	Operator:	Oryx Energy Co.
Latitude:	34.395879	Longitude:	-118.617688
Region:	2	Lease:	Newhall Corp.-Wolfson
Section:	25	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSW
1 - 2 Miles | **OIL_GAS** | **CA00012353**

Well Number:	91	Status:	Plugged and abandoned-dry hole
API Number:	03713270	Operator:	Medallion Calif Prpts Co
Latitude:	34.394369	Longitude:	-118.618793
Region:	2	Lease:	Rancho San Francisco
Section:	25	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

SSW
1 - 2 Miles | **OIL_GAS** | **CA00011186**

Well Number:	91	Status:	Plugged and abandoned oil
API Number:	03713271	Operator:	Oryx Energy Co.
Latitude:	34.394339	Longitude:	-118.619154
Region:	2	Lease:	Ranch San Francisco
Section:	25	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

South
1 - 2 Miles | **OIL_GAS** | **CA00011178**

Well Number:	5-5	Status:	Plugged and abandoned oil
API Number:	03712617	Operator:	Oryx Energy Co.
Latitude:	34.394288	Longitude:	-118.614897
Region:	2	Lease:	Newhall Corp.-Wolfson
Section:	25	Township:	04N
Range:	17W	Map Number:	253
Base and Meridian:	San Bernardino	Total Depth:	Not Reported
Spud Date:	Not Reported	Abandonment Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: CA Radon

Radon Test Results

Zip	Total Sites	> 4 Pci/L	Pct. > 4 Pci/L
91355	13	0	0.00

Federal EPA Radon Zone for LOS ANGELES County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 91355

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.750 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

California Drinking Water Quality Database
Source: Department of Health Services
Telephone: 916-324-2319
The database includes all drinking water compliance and special studies monitoring for the state of California since 1984. It consists of over 3,200,000 individual analyses along with well and water system information.

California Oil and Gas Well Locations for District 2, 3, 5 and 6
Source: Department of Conservation
Telephone: 916-323-1779

RADON

State Database: CA Radon
Source: Department of Health Services
Telephone: 916-324-2208
Radon Database for California

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

California Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary fault lines, prepared in 1975 by the United State Geological Survey. Additional information (also from 1975) regarding activity at specific fault lines comes from California's Preliminary Fault Activity Map prepared by the California Division of Mines and Geology.

EDR Site Report™

CASTAIC JUNCTION FIELD **
CASTAIC JUNCTION FIELD **
CA

Inquiry Number:

December 15, 2004

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

Section 1: Facility Summary ..... **Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

Section 2: Facility Detail Reports ..... **Page 4**

All available detailed information from databases where sites are identified.

Section 3: Databases Searched and Update Information ..... **Page 5**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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SECTION 1: FACILITY SUMMARY

AREA	FACILITY FACILITY 1 CASTAIC JUNCTION FIELD ** CASTAIC JUNCTION FIELD ** CA EDR ID #91201926
WASTE MANAGEMENT Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSDF)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	YES - p4
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
WASTE DISPOSAL Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
MULTIMEDIA Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	NO
POTENTIAL SUPERFUND LIABILITY Facility has a list of potentially responsible parties PRP	NO
TOTAL (YES)	1

SECTION 2: FACILITY DETAIL REPORTS

WASTE MANAGEMENT

Facility has reported emergency releases to the soil

DATABASE: Emergency Response Notification System (ERNS)

CASTAIC JUNCTION FIELD **
CASTAIC JUNCTION FIELD **
CA
EDR ID #91201926

Site ID: 91201926
Site Location:
CASTAIC JUNCTION FIELD **
, CA
LOS ANGELES County

Report No: Not reported
Spill Date: 01/12/1991
Medium Desc: Land
Evacuation: Yes
Fatalities: None
Disch Org: EXXON
Disch Add: 225 W HILLCREST DR
Disch City: THOUSAND OAKS
Disch ST: CA
Disch Zip: 91360-
Disch County: VENTURA
C.G. Unit: Not reported
Cause: EQUIPMENT FAILURE

EPA Region: 09
Spill Time: 07:00
Damage/Amt: Yes / $0.00
Injured: None
Notes: NONE

Spilled Material	Total Qty	In Water	Undot	Cas	Qty
CRUDE OIL	1.00 BBL	0.00	UN1270	800205	147.00 lbs.
PRODUCED WATER	3.00 BBL	0.00	Not reported	Not reported	0.00 lbs.

Description: ** S/W OF INTERSECTION OF I-5 AND SR 1226 CORROSION ON GATHERING LINE FROM TANK BATTERY #5
Location: CASTAIC JUNCTION FIELD **
Action: CLEANED UP BY RP
Comments: Not reported

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

Elapsed ASTM days: Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

WASTE MANAGEMENT

RCRA: Resource Conservation and Recovery Act Information
Source: EPA
Telephone: 800-424-9346
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/10/2004
Database Release Frequency: Varies
Date of Last EDR Contact: 11/24/2004
Date of Next Scheduled Update: 12/27/2004

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/2001
Database Release Frequency: Biennially
Date of Last EDR Contact: 09/20/2004
Date of Next Scheduled Update: 12/13/2004

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 12/06/2004
Date of Next Scheduled Update: 03/07/2005

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/23/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 12/07/2004
Date of Next Scheduled Update: 03/07/2005

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/29/2004
Database Release Frequency: Annually
Date of Last EDR Contact: 11/12/2004
Date of Next Scheduled Update: 02/07/2005

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 10/04/2004
Date of Next Scheduled Update: 01/03/2005

CA AST: Aboveground Petroleum Storage Tank Facilities
Source: State Water Resources Control Board
Telephone: 916-341-5712
Registered Aboveground Storage Tanks.

Date of Government Version: 12/01/2003
Database Release Frequency: Quarterly
Date of Last EDR Contact: 11/01/2004
Date of Next Scheduled Update: 01/31/2005

CA UST: Active UST Facilities
Source: SWRCB
Telephone: 916-341-5752
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 10/13/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 10/13/2004
Date of Next Scheduled Update: 01/10/2005

CA LUST: Leaking Underground Storage Tank Information System
Source: State Water Resources Control Board
Telephone: 916-341-5752
Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 10/13/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 10/13/2004
Date of Next Scheduled Update: 01/10/2005

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2003
Database Release Frequency: Annually
Date of Last EDR Contact: 10/25/2004
Date of Next Scheduled Update: 01/24/2005

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/08/2004
Database Release Frequency: Annually
Date of Last EDR Contact: 10/28/2004
Date of Next Scheduled Update: 01/17/2005

WASTE DISPOSAL

NPL: National Priority List
Source: EPA
Telephone: Not reported
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/12/2004
Date Made Active at EDR: 12/09/2004
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 11/02/2004
Elapsed ASTM Days: 37
Date of Last EDR Contact: 11/02/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

PROPOSED NPL: Proposed National Priority List Sites
Source: EPA
Telephone: Not reported

Date of Government Version: 09/23/2004
Date Made Active at EDR: 12/09/2004
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/02/2004
Elapsed ASTM Days: 37
Date of Last EDR Contact: 11/02/2004

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: Not reported
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/12/2004
Date Made Active at EDR: 12/09/2004
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/02/2004
Elapsed ASTM Days: 37
Date of Last EDR Contact: 11/02/2004

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/10/2004
Date Made Active at EDR: 10/27/2004
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/21/2004
Elapsed ASTM Days: 36
Date of Last EDR Contact: 09/21/2004

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/10/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/21/2004
Date of Next Scheduled Update: 12/20/2004

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Made Active at EDR: 03/30/1994
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/02/1994
Elapsed ASTM Days: 56
Date of Last EDR Contact: 11/22/2004

CA SWF/LF: Solid Waste Information System
Source: Integrated Waste Management Board
Telephone: 916-341-6320
Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/13/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/14/2004
Date of Next Scheduled Update: 12/13/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

MULTIMEDIA

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2002
Database Release Frequency: Annually

Date of Last EDR Contact: 09/20/2004
Date of Next Scheduled Update: 12/20/2004

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2001
Database Release Frequency: Annually

Date of Last EDR Contact: 10/18/2004
Date of Next Scheduled Update: 01/17/2005

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Database Release Frequency: N/A

Date of Last EDR Contact: 12/06/2004
Date of Next Scheduled Update: 03/07/2005

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 09/13/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/2004
Date of Next Scheduled Update: 12/20/2004

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/2004
Date of Next Scheduled Update: 12/20/2004

ENG CONTROLS: Engineering Controls Sites List
Source: Environmental Protection Agency
Telephone: 703-603-8867
A listing of sites with engineering controls in place.

Date of Government Version: 08/03/2004
Database Release Frequency: Varies

Date of Last EDR Contact: 07/19/2004
Date of Next Scheduled Update: 01/03/2005

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: Not reported
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/09/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/08/2004
Date of Next Scheduled Update: 01/03/2005

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA AWP: Annual Workplan Sites
Source: California Environmental Protection Agency
Telephone: 916-323-3400
Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 10/05/2004
Database Release Frequency: Annually

Date of Last EDR Contact: 12/02/2004
Date of Next Scheduled Update: 02/28/2005

CA INDIAN LUST: Leaking Underground Storage Tanks on Indian Land
Source: Environmental Protection Agency
Telephone: 415-972-3372
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/03/2004
Database Release Frequency: Varies

Date of Last EDR Contact: 11/22/2004
Date of Next Scheduled Update: 02/21/2005

CA REF: Unconfirmed Properties Referred to Another Agency
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties where contamination has not been confirmed and which were determined as not requiring direct DTSC Site Mitigation Program action or oversight. Accordingly, these sites have been referred to another state or local regulatory agency.

Date of Government Version: 10/05/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/02/2004
Date of Next Scheduled Update: 02/28/2005

CA NFA: No Further Action Determination
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties at which DTSC has made a clear determination that the property does not pose a problem to the environment or to public health.

Date of Government Version: 10/05/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/02/2004
Date of Next Scheduled Update: 02/28/2005

CA NFE: Properties Needing Further Evaluation
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains properties that are suspected of being contaminated. These are unconfirmed contaminated properties that need to be assessed using the PEA process. PEA In Progress indicates properties where DTSC is currently conducting a PEA. PEA Required indicates properties where DTSC has determined a PEA is required, but not currently underway.

Date of Government Version: 10/05/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/02/2004
Date of Next Scheduled Update: 02/28/2005

CA SCH: School Property Evaluation Program
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/05/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/02/2004
Date of Next Scheduled Update: 02/28/2005

CA INDIAN UST: Underground Storage Tanks on Indian Land
Source: EPA Region 9
Telephone: 415-972-3368

Date of Government Version: 11/02/2004
Database Release Frequency: Varies

Date of Last EDR Contact: 10/25/2004
Date of Next Scheduled Update: 02/21/2005

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA BEP: Bond Expenditure Plan
Source: Department of Health Services
Telephone: 916-255-2118
Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/31/1994
Date of Next Scheduled Update:

CA BWT: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/02/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/14/2004
Date of Next Scheduled Update: 12/13/2004

CA CALSITE: Calsites Database
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database.

Date of Government Version: 10/05/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/02/2004
Date of Next Scheduled Update: 02/28/2005

CA CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-845-8400
California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2003
Database Release Frequency: Varies

Date of Last EDR Contact: 11/22/2004
Date of Next Scheduled Update: 02/21/2005

CA CONTRA COSTA SL: Site List
Source: Contra Costa Health Services Department
Telephone: 925-646-2286
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 08/30/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/29/2004
Date of Next Scheduled Update: 02/28/2005

CA CORTESE: "Cortese" Hazardous Waste & Substances Sites List
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-9100
The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites). This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/28/2004
Date of Next Scheduled Update: 01/24/2005

CA FID: Facility Inventory Database
Source: California Environmental Protection Agency
Telephone: 916-445-6532
The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/28/1998
Date of Next Scheduled Update:

CA HMMD: Hazardous Materials Management Division Database
Source: Hazardous Materials Management Division
Telephone: 619-338-2268
The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 06/29/2004 — Date of Last EDR Contact: 10/08/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 01/03/2005

CA DEED: List of Deed Restrictions
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
The use of recorded land use restrictions is one of the methods the DTSC uses to protect the public from unsafe exposures to hazardous substances and wastes.

Date of Government Version: 10/04/2004 — Date of Last EDR Contact: 10/04/2004
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 01/03/2005

CA HAZNET: Facility and Manifest Data
Source: California Environmental Protection Agency
Telephone: 916-255-1136
Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method.

Date of Government Version: 12/31/2002 — Date of Last EDR Contact: 11/08/2004
Database Release Frequency: Annually — Date of Next Scheduled Update: 02/07/2005

CA INDUSTRIAL: List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 09/01/2004 — Date of Last EDR Contact: 12/10/2004
Database Release Frequency: Annually — Date of Next Scheduled Update: 03/07/2005

CA NOTIFY: Proposition 65 Records
Source: State Water Resources Control Board
Telephone: 916-445-3846
Proposition 65 Notification Records. NOTIFY 65 contains facility notifications about any release which could impact drinking water and thereby expose the public to a potential health risk.

Date of Government Version: 10/21/1993 — Date of Last EDR Contact: 10/18/2004
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 01/17/2005

CA SAN JOSE HAZMAT: Hazardous Material Facilities
Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 10/01/2003 — Date of Last EDR Contact: 12/06/2004
Database Release Frequency: Annually — Date of Next Scheduled Update: 03/07/2005

CA SAN MATEO BI: Business Inventory
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 08/19/2004 — Date of Last EDR Contact: 10/12/2004
Database Release Frequency: Annually — Date of Next Scheduled Update: 01/10/2005

CA SITE MIT: Site Mitigation List
Source: Community Health Services
Telephone: 323-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 02/26/2004 — Date of Last EDR Contact: 11/15/2004
Database Release Frequency: Annually — Date of Next Scheduled Update: 02/14/2005

CA SOUTH BAY: South Bay Site Management System
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Groundwater pollution cases in the Santa Clara Valley where the regulatory lead is the San Francisco Bay Regional Water Quality Control Board.

Date of Government Version: 05/21/1999 — Date of Last EDR Contact: 01/31/2000
Database Release Frequency: Annually — Date of Next Scheduled Update:

CA TOXIC: Toxic Pits Cleanup Act Sites
Source: State Water Resources Control Board
Telephone: 916-227-4364
Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995 — Date of Last EDR Contact: 11/01/2004
Database Release Frequency: No Update Planned — Date of Next Scheduled Update: 01/31/2005

CA VENTURA CIAIS: Inventory of Illegal Abandoned and Inactive Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2004 — Date of Last EDR Contact: 11/22/2004
Database Release Frequency: Annually — Date of Next Scheduled Update: 02/21/2005

CA WDS: Waste Discharge System
Source: State Water Resources Control Board
Telephone: 916-341-5227
Sites which have been issued waste discharge requirements.

Date of Government Version: 10/11/2004 — Date of Last EDR Contact: 09/21/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 12/20/2004

CA WMUDS/SWAT: Waste Management Unit Database
Source: State Water Resources Control Board
Telephone: 916-227-4448
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000 — Date of Last EDR Contact: 12/06/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 03/07/2005

CA ALAMEDA UST: Underground Tanks
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 08/17/2004 — Date of Last EDR Contact: 10/25/2004
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 01/24/2005

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA ALAMEDA LUST: Local Oversight Program Listing of UGT Cleanup Sites
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 08/17/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/25/2004
Date of Next Scheduled Update: 01/24/2005

CA ORANGE LUST: List of Underground Storage Tank Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 10/14/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/10/2004
Date of Next Scheduled Update: 03/07/2005

CA RIVERSIDE LUST: Listing of Underground Tank Cleanup Sites
Source: Department of Public Health
Telephone: 909-358-5055
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 06/21/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/18/2004
Date of Next Scheduled Update: 01/17/2005

CA VENTURA LUST: Listing of Underground Tank Cleanup Sites
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/02/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/14/2004
Date of Next Scheduled Update: 12/13/2004

CA SANTA CLARA LUST: Fuel Leak Site Activity Report
Source: Santa Clara Valley Water District
Telephone: 408-265-2600

Date of Government Version: 06/30/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/2004
Date of Next Scheduled Update: 12/27/2004

CA SAN MATEO LUST: Fuel Leak List
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921

Date of Government Version: 10/27/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/12/2004
Date of Next Scheduled Update: 01/10/2005

CA SAN FRANCISCO LUST: Local Oversite Facilities
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 09/15/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/06/2004
Date of Next Scheduled Update: 03/07/2005

CA SOLANO LUST: Leaking Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 09/20/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/13/2004
Date of Next Scheduled Update: 12/13/2004

CA SONOMA LUST: Leaking Underground Storage Tank Sites
Source: Department of Health Services
Telephone: 707-565-6565

Date of Government Version: 10/25/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/25/2004
Date of Next Scheduled Update: 01/24/2005

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA LUST REG 1: Active Toxic Site Investigation
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/22/2004
Date of Next Scheduled Update: 02/21/2005

CA LUST REG 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457

Date of Government Version: 09/30/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/13/2004
Date of Next Scheduled Update: 01/10/2005

CA LUST REG 3: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 05/19/2003
Database Release Frequency: Varies

Date of Last EDR Contact: 11/17/2004
Date of Next Scheduled Update: 02/14/2005

CA LUST REG 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/16/2004
Date of Next Scheduled Update: 12/27/2004

CA LUST REG 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291

Date of Government Version: 10/01/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/22/2004
Date of Next Scheduled Update: 01/30/2005

CA LUST REG 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/06/2004
Date of Next Scheduled Update: 03/07/2005

CA LUST REG 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491

Date of Government Version: 08/09/2004
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/04/2004
Date of Next Scheduled Update: 01/03/2005

CA LUST REG 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491

Date of Government Version: 02/26/2004
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/2004
Date of Next Scheduled Update: 12/27/2004

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA LUST REG 8: Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-4130
California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 07/01/2004
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 11/10/2004
Date of Next Scheduled Update: 02/07/2005

CA LUST REG 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 10/18/2004
Date of Next Scheduled Update: 01/17/2005

CA SLIC ST: Statewide SLIC Cases
Source: State Water Resources Control Board
Telephone: 916-341-5752
The Spills, Leaks, Investigations, and Cleanups (SLIC) listings includes unauthorized discharges from spills and leaks, other than from underground storage tanks or other regulated sites.

Date of Government Version: 10/13/2004
Database Release Frequency: Varies
Date of Last EDR Contact: 10/13/2004
Date of Next Scheduled Update: 01/10/2005

CA SLIC REG 1: Active Toxic Site Investigations
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 04/03/2003
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 12/06/2004
Date of Next Scheduled Update: 02/21/2005

CA SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/30/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 10/13/2004
Date of Next Scheduled Update: 01/10/2005

CA SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 08/20/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 11/15/2004
Date of Next Scheduled Update: 02/14/2005

CA SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 07/08/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 10/25/2004
Date of Next Scheduled Update: 01/24/2005

CA SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 10/06/2004
Date of Next Scheduled Update: 01/03/2005

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA SLIC REG 6L: SLIC Sites
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574

Date of Government Version: 09/07/2004
Database Release Frequency: Varies
Date of Last EDR Contact: 12/06/2004
Date of Next Scheduled Update: 03/07/2005

CA SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583

Date of Government Version: 04/01/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 10/04/2004
Date of Next Scheduled Update: 01/03/2005

CA SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298

Date of Government Version: 07/01/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 10/08/2004
Date of Next Scheduled Update: 01/03/2005

CA SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980

Date of Government Version: 09/10/2004
Database Release Frequency: Annually
Date of Last EDR Contact: 11/29/2004
Date of Next Scheduled Update: 02/28/2005

CA SAN DIEGO SWF/LF: Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 08/01/2000
Database Release Frequency: Varies
Date of Last EDR Contact: 11/22/2004
Date of Next Scheduled Update: 02/21/2005

CA LOS ANGELES SWF/LF: List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 06/03/2003
Database Release Frequency: Varies
Date of Last EDR Contact: 11/18/2004
Date of Next Scheduled Update: 02/14/2005

CA DEHS PERMIT: Hazardous Material Permits
Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 09/17/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/06/2004
Date of Next Scheduled Update: 03/07/2005

CA KERN UST: Underground Storage Tank Sites & Tank Listing
Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Kern County Sites and Tanks Listing.

Date of Government Version: 09/14/2004
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/06/2004
Date of Next Scheduled Update: 03/07/2005

CA SUTTER UST: Underground Storage Tanks
Source: Sutter County Department of Agriculture
Telephone: 530-822-7500

Date of Government Version: 01/29/2004
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 10/18/2004
Date of Next Scheduled Update: 01/03/2005

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA HMS: HMS: Street Number List
Source: Department of Public Works
Telephone: 626-458-3517
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 04/29/2004 — Date of Last EDR Contact: 10/12/2004
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 02/14/2005

CA VCP: Voluntary Cleanup Program Properties
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/05/2004 — Date of Last EDR Contact: 12/02/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 02/28/2005

CA ORANGE UST: List of Underground Storage Tank Facilities
Source: Health Care Agency
Telephone: 714-834-3446
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 09/01/2004 — Date of Last EDR Contact: 12/10/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 03/07/2005

CA SAN FRANCISCO UST: Underground Storage Tank Information
Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 09/15/2004 — Date of Last EDR Contact: 09/20/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 12/26/2004

CA SOLANO UST: Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 09/20/2004 — Date of Last EDR Contact: 09/13/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 12/13/2004

CA VENTURA UST: Underground Tank Closed Sites List
Source: Environmental Health Division
Telephone: 805-654-2813
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 09/29/2004 — Date of Last EDR Contact: 10/13/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 01/10/2005

CA RIVERSIDE UST: Underground Storage Tank Tank List
Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 06/21/2004 — Date of Last EDR Contact: 10/18/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 01/17/2005

CA MARIN UST: Underground Storage Tank Sites
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

Date of Government Version: 08/18/2004 — Date of Last EDR Contact: 11/01/2004
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 01/31/2005

SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

CA NAPA LUST: Sites With Reported Contamination
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 09/29/2004 — Date of Last EDR Contact: 09/27/2004
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 12/27/2004

CA NAPA UST: Closed and Operating Underground Storage Tank Sites
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 09/29/2004 — Date of Last EDR Contact: 09/27/2004
Database Release Frequency: Annually — Date of Next Scheduled Update: 12/27/2004

CA PLACER MS: Master List of Facilities
Source: Placer County Health and Human Services
Telephone: 530-889-7312
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 10/04/2004 — Date of Last EDR Contact: 09/20/2004
Database Release Frequency: Semi-Annually — Date of Next Scheduled Update: 12/20/2004

CA SACRAMENTO LUST: CS - Contaminated Sites
Source: Sacramento County Environmental Management
Telephone: 916-875-8406

Date of Government Version: 08/28/2004 — Date of Last EDR Contact: 10/13/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 01/31/2005

CA SACRAMENTO ML: ML - Regulatory Compliance Master List
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 09/02/2004 — Date of Last EDR Contact: 11/02/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 01/31/2005

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. (C) Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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POTENTIAL SUPERFUND LIABILITY

PRP: Potentially Responsible Parties
Source: EPA
Telephone: 202-564-6064
A listing of verified Potentially Responsible Parties

Date of Government Version: 09/09/2004 — Date of Last EDR Contact: 10/04/2004
Database Release Frequency: Quarterly — Date of Next Scheduled Update: 01/03/2005

APPENDIX H:

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APPENDIX I:

Glossary of Acronyms

Glossary Of Acronyms

(for words that frequently appear in environmental reports)

ASTs = above-ground storage tanks

ACMs = asbestos-containing materials

BTEX = benzene, toluene, ethylbenzene and xylenes

bgs = below ground surface

EDR = Environmental Data Resources, Inc.

LQG = Large Quantity Generator of hazardous waste

LUSTs = leaking underground storage tanks

MTBE = methyl-tertiary-butyl ether

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

PCE = perchloroethene

ppb = parts per billion

ppm = parts per million

SQG = Small Quantity Generator of hazardous waste

TCE = trichloroethene

TPH-d = Total Petroleum Hydrocarbons as diesel

TPH-g = Total Petroleum Hydrocarbons as gasoline

TRPH = Total Recoverable Petroleum Hydrocarbons

ug/kg = micrograms per kilogram

ug/l = micrograms per liter

USTs = underground storage tanks

VOCs = volatile organic compounds

PHASE I ENVIRONMENTAL SITE ASSESSMENT

OF

ENTRADA DEVELOPMENT
TRACT MAP NO. 53295
HENRY MAYO DRIVE AND THE OLD ROAD
VALENCIA, CALIFORNIA

FOR

GATZKE DILLON & BALANCE LLP

BA ENVIRONMENTAL
A Division of Building Analytics

File No. 107007
March 2007

BA ENVIRONMENTAL
A Division of Building Analytics

PHASE I ENVIRONMENTAL SITE ASSESSMENT

of

Entrada Development
Tract Map No. 53295
Henry Mayo Drive and The Old Road
Valencia, California

This report has been prepared for:

Gatzke Dillon & Ballance
Counsel for Newhall Land
1525 Faraday Avenue, Suite 150
Carlsbad, CA 92008

March 5, 2007
File No. 107007

Russell M. Cote, M.Sc., P.G. No. 7139
Manager, Environmental Services
Report Author

Greg Hargleroad
Project Manager
Reviewer

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312."

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EXECUTIVE SUMMARY

The subject property is predominantly occupied by undeveloped land, with some agricultural development and structures in the northern portion (Castaic Junction). The southern undeveloped portion was formerly occupied by oil field production. The central portion of the subject site is dissected, roughly east to west, by the Santa Clara River channel. The subject property consists of approximately 825 acres (gross) of land.

The review of historical documents indicates that the northern portion of the subject site was occupied by agricultural land and vacant land from prior to 1928 until around 1947. By 1947, a part of the northern portion of the subject site had been developed by numerous structures. Some of these structures were related to the Southern Pacific Railroad and others were related to Newhall Ranch. Also in this area was a gasoline service station. By 1952, the northern portion was occupied only by agricultural land and structures related to the Southern Pacific Railroad and Newhall Ranch. By 1968, the structures were occupied by Newhall Ranch or commercial businesses. By the 1980s, Newhall Ranch had mostly vacated these structures, and most were occupied by various commercial businesses. Since the 1980s, there have not been many significant changes in this portion of the subject site. The central portion of the subject site was occupied by agricultural land and undeveloped land from prior to 1928 until around 1952. By 1952, the west part of the central portion was occupied by some structures which were part of the Newhall Ranch. These structures continued to be present until around 1989, when they were demolished. Since 1989, the western part of the central portion has been occupied by agricultural land. In approximately 2004-2006, the eastern part of the central portion was graded for the construction of commercial buildings. The southern portion of the subject site was undeveloped land used for cattle grazing from prior to 1928 until around the late 1960s. In the 1960s, the southern portion of the subject site was developed into an oil field. The southern portion continued to be occupied by an oil field until 1995, when the oil field was decommissioned. Since the abandonment of the oil field, this portion has remained vacant.

BA Environmental conducted a visual reconnaissance of the subject site. The subject site was occupied by various commercial businesses, agricultural land, vacant undeveloped land, and a former oil field. Some hazardous materials were observed within several of the commercial businesses. Several underground storage tanks (USTs) were formerly associated with the commercial businesses, but all have been removed. The southern portion was formerly occupied by an oil field. Several vacant oil well pads were observed on site. Staining, tar clumps and asphaltic sands were observed on several of the oil well pads, former tank batteries and sumps. No visual evidence of a release or illegal dumping was observed during the site reconnaissance. No areas of distressed or discolored vegetation were observed on-site during the site reconnaissance. No USTs, floor drains or waste water clarifiers were observed at the subject site.

BA Environmental reviewed selected government environmental databases. Nine addresses associated with the subject site are listed on various government environmental databases. Of these 9 sites, 6 of the addresses were reported to have had USTs. Four of

the 6 UST sites were listed as LUST sites. According to LACDPW files, all of the USTs at these addresses have been removed and the LUST cases closed. Based on this information, there is a low potential for these sites to have significantly impacted the subject property. Several facilities are located adjacent to the subject site, which have USTs or are LUST sites. Only 1 of the LUST sites, Schwartz Oil Co. located at 27241 Henry Mayo Drive, poses any environmental threat to the subject site. This site is located up/cross-gradient to the subject site. According to the LUST database, there has been a release of hydrocarbons to the groundwater. The case was closed in 1996. It is possible that residual petroleum hydrocarbons exist beneath the site and are being carried beneath the subject site by groundwater. Based on this information, there is a low to moderate potential that this facility has environmentally impacted the subject site. Based on the distances and statuses of the remaining facilities, there is a low potential for environmental impact due to off-site sources.

Sixteen shallow soil borings were advanced to a depth of between 1 and 2 feet below ground surface (bgs) in the northern portion of the subject site. The 16 samples were composited into 4 samples. These 4 composited samples were reported not to contain detectable concentrations of OPPs or CHs. Two of the four composited soil samples, EG2 and EG3, were reported to both contain 0.001 milligrams per kilogram (mg/kg) of 4,4-DDE. The low concentration of 4,4-DDE detected in these two composite samples were reported to be just at the laboratory's Practical Quantitation Limit (PLQ) of 0.001 mg/kg. The concentrations of both samples were compared to the Preliminary Remediation Goals (PRGs) set up by the United States Environmental Protection Agency (EPA) for various compounds and metals. This comparison revealed that the concentrations detected within composite samples EG2 and EG 3 were well below the PRG for 4,4-DDE. Based on the low concentrations of 4,4-DDE detected in the two composite samples, it is BA Environmental's opinion that there is a low potential for threat to human health or the environment. In addition, it is BA Environmental's opinion that these low concentrations would not trigger a regulatory response.

As all of the on-site buildings observed were constructed prior to 1980, there is a moderate potential for the building materials to contain asbestos.

On the day of the site reconnaissance, significant mold growth and water damage was observed at 28754 Castaic Canyon Road (POI #134), on the interior walls or the building. In addition, water-stained ceilings and ceiling panels were observed within several of the other structures. No visible mold growth was observed within any of the other structures.

Based on the age of the on-site buildings, constructed prior to 1978, there is a low to moderate potential that lead-based paint exists on the subject site.

This assessment has revealed the following historical recognized environmental conditions in connection with the subject property:

- USTs were removed from the following on-site addresses: 27230 Henry Mayo Drive, 28748 Castaic Canyon Road, 28760 Castaic Canyon Road, 28762 Castaic Canyon Road, 28769 Castaic Canyon Road and 28805 The Old Road. The LACDPW and/or the RWQCB have issued closure letters for each of the addresses;
- Four of the six UST sites (28805 The Old Road, 27230 Henry Mayo Drive, 28748 Castaic Canyon Road and 28760 Castaic Canyon Road) were listed as LUST

sites. According to LACDPW files, all of the USTs at these addresses have been removed and the LUST cases closed.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property, except for the following:

- Approximately 13 oil wells and associated production areas existed on the subject property;
- Several former sumps, tank batteries and 1 area of possible land filling existed on the subject property;
- Staining was observed near several of the former oil well locations, former tank locations and sumps;
- Several oil pipelines have been identified on the subject property;
- Residual soil contamination may exist in the subsurface soils beneath former Tank Batteries #5 and #8;
- Drilling mud may exist within a sump buried beneath Tank Battery #8;
- Other drilling sumps may exist buried beneath the subject site;
- A discolored layer of soil was observed at approximately 2 feet bgs in several of the shallow soil borings in the 6.5-acre parcel, located in the west part of the central portion of the subject site. The source of the discoloration is unknown; however, it could be due to decaying organics;
- Pyrotechnic debris was observed in the southern portion of the subject site;
- As the subject site has been used for oil production, methane gas may exist beneath the subject site;
- Several businesses in the northern portion of the subject site were observed to have hazardous materials and some soil staining;
- 27152 Henry Mayo Drive was reported to have a building permit for the installation of a “structure” for gasoline storage and a 3/4 hp gas pump;
- 28756 Castaic Canyon Road was reported to have a 1974 building permit for the installation of one 9,940-gallon underground diesel fuel UST;
- 28756 Castaic Canyon Road was observed to have a spray booth and a separator. A wastewater discharge inspection report indicated that this address was observed dumping paint wash water onto the ground;
- 28760 Castaic Canyon Road formerly had a wastewater clarifier (interceptor) which separated paint from water;
- 28760 Castaic Canyon Road was identified as formerly having a spray booth;
- A flush mounted box labeled “Fill Box” was observed in Castaic Canyon Road in front of 28762 Castaic Canyon Road. This type of box is usually associated with USTs;
- 28805 The Old Road was formerly occupied by a gasoline service station. Four old 1,000-gallon USTs filled with sand may still exist on-site;
- A total of approximately six ASTs associated with two oil field production tank batteries (Tank Batteries 35 and #8) were formerly located on the subject site. Six ASTs presently exist on the subject site and include two ASTs for water, two

propane ASTs, one empty former waste oil AST, one muriatic acid AST and one bleach AST;

- Historically 11 USTs related to fueling operations and waste oil storage were formerly located on-site. Presently seven USTs may exist on the subject site. Four of these USTs may have been abandoned in-place at 28805 The Old Road. Building permits indicate that USTs may exist at 28756 Castaic Canyon Road and 27152 Henry Mayo Drive. Visual observations revealed that a possible UST may be located in front of 28762 Castaic Canyon Road
- Septic tank systems still exist on-site;
- Suspect asbestos-containing materials (ACMs) exist within the on-site structures; and
- Lead-based paint may exist in the on-site structures.

BA Environmental makes the following general recommendations regarding the subject property:

- If disturbed, or if located within an area of redevelopment, all former oil wells located on the subject property should be re-abandoned according to all applicable local and state regulations. Any crude oil-impacted soil encountered during re-abandonment should be remediated;
- The areas of former sumps, tanks and landfill identified in the development sections above should be assessed for potential impact to the subject site;
- If the on-site oil pipelines are continued to be used, they should be assessed for leakage. If the pipelines are planned not to be used, they should be removed and the soils beneath them further assessed for the potential for impact;
- Areas of visible staining should be assessed if they are not planned for excavation, or are located in an area planned to be raised in grade;
- Areas of visible staining that are scheduled to be excavated should have any visibly impacted soil disposed of in accordance with all federal, state and local regulations;
- As one of these two parcels located in the west part of the central portion of the subject site is planned for the construction of an unlined Water Quality Control Basin, it was recommended that the soils excavated for the basin not be used for the construction of the basin. Further, if discolored soil is encountered, it too should be excavated and not used in the construction of the basin. As these soils do not pose a direct significant threat to human health, the soil excavated during the construction of the Water Quality Control Basin may be used for grading material elsewhere, as long as it is mixed with soils not from agricultural areas;
- Areas in the southern portion of the subject site covered with pyrotechnic debris should be assessed for perchlorates and other compounds used in pyrotechnics;
- If areas within the former oil production area are intended for residential usage, a methane survey may be prudent;
- Businesses observed to have hazardous materials on-site should store those materials properly. Upon vacating the property, they should remove all hazardous materials;

- Any significantly stained areas in the developed part of the northern portion of the subject site should be further assessed;
- 27152 Henry Mayo Drive should be further assessed to determine if the new "structure" for gasoline storage was a UST, and to determine if soils in this area had been impacted from past fueling operations;
- 28756 Castaic Canyon Road should be further assessed to determine if releases from the former spray booth and a separator have impacted the subsurface soils. In addition, this address should be further assessed to determine if the dumping of paint wash water onto the ground has impacted this site;
- 28756 Castaic Canyon Road should be further assessed to determine if the diesel fuel UST identified in building permits exists at this address;
- The location of the former wastewater clarifier (interceptor) at 28760 Castaic Canyon Road should be assessed to determine if leakage from this clarifier has impacted subsurface soils;
- 28760 Castaic Canyon Road should be further assessed to determine if releases from the former spray booth have impacted the subsurface soils.
- A flush mounted box labeled "Fill Box" that was observed in Castaic Canyon Road in front of 28762 Castaic Canyon Road should be further assessed to determine if a UST is located within this area. If a UST is found to exist at this location, it should be removed in accordance with all state and local regulations;
- 28805 The Old Road should be further assessed to determine if the four old 1,000-gallon USTs filled with sand may still exist on-site, and whether past leaks from these tanks have impacted subsurface soils. If the USTs exist at this location, they should be removed prior to grading activities in accordance with all state and local regulations;
- Any septic tank encountered during grading activities should be removed;
- ACMs should be abated prior to the demolition of any on-site structure. Any suspect material not already identified or tested should be sampled prior to demolition. All ACMs should be abated by a licensed asbestos abatement contractor; and
- Prior to demolition, all structures should be sampled for lead-based paint. If confirmed to have lead-based paint, health and safety procedures should be initiated to protect workers during demolition activities.

Since this area has been historically used for oil production, structures or contamination which could not be reasonably identified in this investigation may exist. BA Environmental recommends that any stained areas or unidentified structures encountered during grading operations should be assessed upon discovery.

Although not a recognized environmental condition, it is recommended that all groundwater monitoring wells or production water wells be abandoned according to applicable local and state regulations, prior to redevelopment, if not planned to be used.

TABLE OF CONTENTS

Page

INTRODUCTION 1

OBJECTIVE AND SCOPE OF WORK 1

SITE DESCRIPTION 3

GEOLOGY AND HYDROGEOLOGY 4

OIL WELLS AND OIL FIELDS 5

HISTORICAL REVIEW 5

INTERVIEWS 27

SITE RECONNAISSANCE AND IMPROVEMENTS 30

ADJACENT LAND USE 45

AGENCY CONTACTS 45

GOVERNMENT RECORDS REVIEW 50

ADDITIONAL NON-ASTM SCOPE ASSESSMENT 61

FINDINGS, CONCLUSIONS AND RECOMMENDATIONS 66

LIMITATIONS 69

GLOSSARY OF ACRONYMS 70

REFERENCES 71

FIGURES

Figure 1: Site Vicinity
Figure 2: Site Development Map
Figure 3: Northern Portion POI Map
Figure 4: Developed Area POI Map
Figure 5: Central Portion POI Map
Figure 6: Southern Portion POI Map
Figure 7: Pesticide Sample Locations

TABLES

Table 1: Points of Interest (POI)
Table 2: Location of Electrical Transformers
Table 3: Oil Well Locations
Table 4: Government Records Report
Table 5: Soil Sample Analytical Results for Pesticides

TABLE OF CONTENTS (continued)

SITE PHOTOGRAPHS

APPENDICES

Appendix A: Historical Aerial Photographs
Appendix B: Historical Topographic Maps
Appendix C: Historical Fire Insurance Maps
Appendix D: City Directory Abstract
Appendix E: Building Permits
Appendix F: Previous Environmental Reports
Appendix G: Water Quality Report
Appendix H: DOGGR Well Records
Appendix I: DOGGR Oil Well Abandonment Procedures
Appendix J: LACDPW Records
Appendix K: Preparer's Qualifications
Appendix L: Government Records Report
Appendix M: Laboratory Report
Appendix N: RWQCB Report Excerpts

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Entrada Development
Tract Map No. 53295
Henry Mayo Drive and The Old Road
Valencia, California

INTRODUCTION

BA Environmental (a Division of Building Analytics) is pleased to submit this Phase I Environmental Site Assessment (ESA) report to **Gatzke Dillon & Ballance**, Counsel for Newhall Land. This report is regarding the Entrada Development, Tract Map No. 53295, located in Valencia, California, California.

This report was prepared in accordance with the BA Environmental Proposal and Contract dated December 21, 2006.

OBJECTIVE AND SCOPE OF WORK

The purpose of the ESA is to identify, to the extent feasible, recognized environmental conditions. The identification of the presence or lack of recognized environmental conditions will "permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 U.S.C. §9601(35)(B)" (ASTM E1527-05).

This Phase I ESA meets or exceeds the general requirements of the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments E1527-05, and the United States Environmental Protection Agency All Appropriate Inquiry (AAI) Rule (as defined in the Code of Federal Regulations 40 CFR part 312): The ASTM standard practice defines good commercial and customary practice for conducting ESAs using reasonable inquiry. The scope of services for this Phase I ESA consisted of several tasks, including:

- A reconnaissance of the site and its vicinity;
- Interviews with current owners and occupants of the subject property, and personnel at local government agencies;
- A compilation of the property history, including the review of previous environmental reports regarding the subject property (if available);
- A review of pertinent local regulatory agency files;
- An agency list search of facilities with recorded environmental issues located within the radii required by ASTM E1527-05; and
- A summary of our findings, conclusions and recommendations.

Additional services that were provided include:

- A visual survey and review of a map of designated wetlands;

- A visual mold survey;
- A visual asbestos survey of suspect asbestos-containing materials (ACMs);
- A visual lead-based paint survey; and
- A review of a survey and map of radon zones.

As per ASTM Practice E1527-05, there are no deviations from, or deletions of, the general requirements of this standard practice contained in this report. This Phase I ESA has been performed by, or under the direct supervision of an "environmental professional," as defined in ASTM E1527-05 and the EPA AAI Rules.

A Phase I ESA is a non-intrusive examination. As such, it is not a full and complete assessment of all environmental conditions. Adverse conditions may exist that could not be discovered by such an assessment. No ESA can completely eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a subject property. The ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property. The practices of ASTM E1527-05 recognizes reasonable limits of time and cost. The term "All appropriate inquiry" does not mean an exhaustive assessment of a clean property. There is a point at which the cost of information obtained, or the time required to gather it outweighs the usefulness of the information, and in fact may interrupt or interfere with the orderly or timely completion of a property transaction. One of the purposes of ASTM E1527-05 is to identify a balance between limiting the costs and time demands inherent in performing an ESA and the reduction of uncertainty about unknown conditions resulting from additional information. BA Environmental has made every reasonable effort to discover and interpret the information and current conditions regarding the site within the time available. We will recommend prudent additional investigations, if deemed necessary.

Several terms are commonly used throughout this report. For the purpose of this report, the **site vicinity** refers to an area within a 1-mile radius of the subject site. The term **adjacent property** includes those properties next to or across a street or a railroad track from the subject property. **Adjoining properties** are those which directly abut the subject property. **Recognized environmental conditions** (RECs) refers to "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies" (ASTM E1527-05). The term de minimis refers to having such a low or minimal risk that it is not considered to be of concern. "Conditions determined to be de minimis are not recognized environmental conditions" (ASTM E1527-05).

A Historical REC (HREC) is defined as "an environmental condition which in the past would have been considered a REC, but which may not be considered a REC currently" (ASTM E1527-05). If a past release of a hazardous substance or petroleum product that has occurred at the subject property has been remediated, and the remediation has been accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered an HREC.

SITE DESCRIPTION

The subject property is an irregularly shaped property bound to the north by State Highway 126, to the east by The Old Road (former State Highway 99), to the south by high voltage transmission lines, and to the west by low lying mountains. The subject site is known as the proposed Entrada development and is identified as Tract Map VTTM 53295. The subject property is located in unincorporated county land, near the City of Valencia, California. For the purpose of this report, the subject site has been divided into three parts. The northern portion is located north of the Santa Clara Rive channel. The central portion is bound by the Santa Clara River channel (river channel included) to the north and the Magic Mountain Parkway trace to the south. The southern portion is located to the south of the Magic Mountain Parkway trace.

The subject property is predominantly occupied by undeveloped land, with some agricultural development and structures in the northern portion (Castaic Junction). The southern undeveloped portion was formerly occupied by oil field production. The central portion of the subject site is dissected, roughly east to west, by the Santa Clara River channel. The subject property consists of approximately 825 acres (gross) of land. Primary vehicular access is from Henry Mayo Drive to the north, The Old Road to the east, and several dirt roads to the south and west.

Adjacent properties to the north include Henry Mayo Drive followed by commercial buildings, or State Highway 126. Adjacent to the east is predominantly The Old Road followed by commercial buildings. In some areas, the adjacent properties to the east include a county water treatment facility and a Chevron gasoline service station. Adjacent to the south are high voltage transmission lines followed by either a golf course, single-family residences or vacant undeveloped land. Adjacent to the west is predominantly vacant undeveloped land, with a small portion adjacent to the Magic Mountain Theme Park (Figures 1, 3, 4, 5 and 6).

Topographic Map Review

The property is depicted on the Newhall, California Topographic Quadrangle maps of the United States Geological Survey (USGS). The location of the site is in Township 4 North, Range 17 West of the San Bernardino Base and Meridian. The subject site is located on the northwestern portion of Los Angeles County. The majority of the subject site is located at the junction of the Castaic Valley and the valley formed by the Santa Clara River. In addition, the southern portion of the subject site is located in the northeastern tip of the Santa Susana Mountains. Portions of the subject site are adjacent to south of State Highway 126. Interstate Freeway 5 (Golden State Freeway) is located approximately 100 to 500 feet east of the subject site. The subject site is located approximately 2 miles southwest of San Francisquito Canyon and 4 miles west-southwest of Soledad Canyon. The San Gabriel Mountains are located approximately 4 miles southeast of the subject site. The subject site is depicted as a mix of developed and undeveloped land. The subject site is depicted as being located in the former Castaic Junction Oil Field. The northern portion of the subject property includes Castaic Junction, and is depicted to be occupied by approximately 23 structures. The Southern Pacific Railroad tracks traverse this portion of the property from west to east, and then run down the eastern property boundary. This portion of the property is also depicted as having one water well (POI #96). The west-central portion of the subject property is occupied by one small structure (POI #49), while the east-central portion is depicted as

having one water well (POI #121). The southern portion of the subject site is depicted as having one structure (POI #125) in the location of the present day nursery for the Magic Mountain Theme Park. The southern portion is also depicted as having 3 tank locations (POI # 12, 15, and 27) and 13 oil wells (POI #1, 16, 21, 26, 28, 31, 33, 36, 39, 43, 45, 50, and 188). Munger and DOGGR maps also identified 13 oil wells located on the subject property POI #s 1, 16, 21, 28, 31, 33, 36, 39, 43, 45, 50, 123 and 124.). Not all of the oil wells identified on the topographic map correspond with those identified on the Munger and DOGGR maps. The southern portion of the subject site is bound by high voltage transmission lines. The surrounding area is depicted as being developed by several structures, oil tanks and oil wells, or is vacant undeveloped land.

The topography of the subject site is highly variable and consists of gently sloping fields and river channels, steeply sloping river banks, and gently and steeply sloping hill sides. The elevation at the site ranges from approximately 900 feet above mean sea level (msl) to approximately 1,400 feet above msl.

The Santa Clara River traverses east to west across the northern portion of the subject site. A small unnamed intermittent stream is depicted as running south to north along the western property boundary. Castaic Creek is depicted approximately 0.3 miles north-northwest of the subject site. Several unnamed intermittent streams are depicted within a 1.0-mile radius of the subject site. No other major bodies of surface water (i.e., oceans, lakes, rivers, streams, etc.) are depicted within a 1.0-mile radius of the site.

A review of the topographic maps and a reconnaissance of the surrounding area indicate that approximately 11 oil wells were formerly located on-site, and numerous oil wells exist or have existed within a 0.25-mile radius to the west, northwest, south and east of the subject site.

GEOLOGY AND HYDROGEOLOGY

The subject site is located predominantly in the Santa Susana Mountains, with a small amount in the northern portion occupying the Santa Clara River channel. Underlying sediments consist of alluvial and flood plain deposits of silt, sands and gravels. Sand is medium to coarse grained, and cobbles are found to increase in size with depth. The Plio-Pleistocene Saugus Formation, a thin to moderately thick bedded non-marine deposit, ranging from reddish-brown siltstones, silty sandstones to conglomerates, underlies the Quaternary alluvial sediments and outcrops in the northern and southern portion of the subject property. The Newhall Segment of the San Gabriel Fault, which is classified as a late Quaternary fault which cuts strata of Pleistocene age, is located within 500 feet of the subject site (CDMG, 1994).

According to the County of Los Angeles, Department of Public Works, Hydraulic Conservation Division, which maintains information on groundwater depth from the county-owned wells, the closest well to the subject property, listed with their department, is located approximately 1,500 feet west of the confluence of the Santa Clara River and Castaic Creek. This well is identified as #6967, and was last measured on June 19, 2003. The data indicates that, from the ground surface, depth to groundwater surface was 24.3 feet, and that the ground surface elevation at the well head was 949.7 feet above mean sea level (msl) (LACDPW, 2007). Eleven groundwater monitoring wells are located in the northern and central portions of the subject property (see Figures 3 and 5). Approximate depth to water in these wells ranged from 2.4 feet bgs to approximately 34 feet bgs. No monitoring wells were observed in the southern portion of the subject property; however,

depth to groundwater in this portion of the subject property is expected to be approximately 100 feet bgs or greater. Groundwater flow direction is expected to flow generally to the west following topography.

OIL WELLS AND OIL FIELDS

A review of relevant Munger oil and gas field maps and Division of Oil, Gas and Geothermal Resources (DOGGR) Regional Wildcat Map indicated that the subject site was located within the Castaic Junction Oil Field. According to the Munger and DOGGR maps, there were 13 oil wells located on the subject property (Munger, 1993; DOGGR, 2004). A review of topographic maps also revealed 13 oil wells depicted on the topographic map. Not all of the oil wells identified on the topographic map correspond with those identified on the Munger and DOGGR maps. A list of these oil wells is provided in Table 3 below and is shown in Figures 5 and 6. During the site reconnaissance, numerous former oil well pads and exploratory pads were observed throughout the subject site. Global Positioning System (GPS) coordinates for each of these pads is provided in Table 1.

HISTORICAL REVIEW

As part of the historical review, BA Environmental reviewed available historical aerial photographs for the years 1928, 1947, 1952, 1968, 1976, 1989, 1994 and 2002 (EDR, 2007b); city directories for the years 1971-2006 (EDR, 2007c); historical topographic maps for the years 1903, 1916, 1933, 1947, 1952, 1969, 1988 and 1995 (EDR, 2007d); and building records (County of Los Angeles, 2007). No historical fire insurance maps are available for the subject property (EDR, 2007e). Copies of the above historical documents are provided in Appendices A through E.

Historical Aerial Photographs

1928
The proposed Entrada development was occupied by a mix of agricultural land and undeveloped land with a few scattered structures. The northern portion of the subject site (located on the north side of the Santa Clara River) was predominantly undeveloped land with some agricultural land in the eastern portion. Several small structures (POI #s 76, 77, 192 and 193) were observed in this portion of the subject property. The Southern Pacific Railroad tracks were observed to traverse from west to east through the northern portion of the subject site, and then turning south to run along the eastern portion of the subject site. Also observed in this area were several small structures observed in the area of POI #114. The central portion of the subject site was predominantly agricultural land with some undeveloped land. The Santa Clara River and Feedmill Road was observed to traverse from east to west between the northern and central portions of the subject site. The southern portion of the subject site was predominantly undeveloped land with a small amount of agricultural land present. The Saugus-Ventura Road (presently named Henry Mayo Drive) followed by vacant undeveloped land was present adjacent to the north. United States (US) Highway 99 was present adjacent to the east of the subject site. The adjacent properties to the south of the subject site were occupied by vacant undeveloped land. The majority of the adjacent properties to the west of the site were occupied by vacant undeveloped land. Adjacent to the west-central portion of the subject

site, just south of the Santa Clara River, were two groups of small structures which were likely part of the Newhall Ranch.

1947

The proposed Entrada development was occupied by a mix of agricultural land and undeveloped land, with the northernmost portion developed by several structures. The northern portion of the subject site (located on the north side of the Santa Clara River) was predominantly agricultural land in the eastern portion. Several structures (POI #s 76, 77, 81, 114, 135, 136, 137, 184, 186, 192, 193 and 194) and a gasoline service station (POI #66) were observed in this portion of the subject property. The Southern Pacific Railroad tracks were observed to traverse from west to east through the northern portion of the subject site, and then turning south to run along the eastern portion of the subject site. The central portion of the subject site was predominantly agricultural land or pasture land with some undeveloped land. The Santa Clara River and Feedmill Road was observed to traverse from east to west between the northern and central portions of the subject site. The southern portion of the subject site was predominantly undeveloped land with a small amount of agricultural land present. What appeared to be a small structure (POI #196), possibly a pump house, was observed in the southeastern portion of the subject property. High voltage transmission lines were visible along the southern property boundary. The Saugus-Ventura Road (presently named Henry Mayo Drive), followed by agricultural land, was present adjacent to the north. US Highway 99 was present adjacent to the east of the subject site. The adjacent properties to the south of the subject site were occupied by vacant undeveloped land. The majority of the adjacent properties to the west of the site were occupied by vacant undeveloped land. Adjacent to the west-central portion of the subject site, just south of the Santa Clara River, were two groups of structures which were likely part of the Newhall Ranch. A feed lot and some agricultural land was also observed to the west of the central portion of the subject site. On the hill to the west of the feed lot were what appeared to be four water tanks.

1952

The proposed Entrada development was occupied by a mix of agricultural land and undeveloped land, with the northernmost portion developed by structures. The northern portion of the subject site (located on the north side of the Santa Clara River) was a mix of agricultural land and land developed by structures. There was a significant increase in the amount of development in this area at this time. Numerous structures (POI #s 76, 77, 81, 110, 111, 113, 114, 135, 136, 137, 139, 140, 170, 174, 176, 182, 184, 186, 187, 192 and 193) and a gasoline service station (POI #66) were observed in this portion of the subject property. This developed area also appears in part to be used by Newhall Ranch for equipment storage. The structure identified at POI #194 was no longer present. The gasoline service station (POI #66) appeared to have been enlarged. The Southern Pacific Railroad tracks were observed to traverse from west to east through the northern portion of the subject site, and then turning south to run along the eastern portion of the subject site. In the eastern part of the northern portion of the subject property, there appeared to be a small structure in the area of the present day water well (POI #96). There were no significant changes in the central portion of the subject site, except for the presence of what appeared to be a water well (POI #121). The southern portion of the subject site remained unchanged, except that the small structure (POI #196), observed in the 1947 aerial photograph, was no longer present. High voltage transmission lines were visible along the southern property boundary. There were no significant changes in the adjacent properties to the north or south of the subject site. There were no significant changes in the adjacent properties to the east, except in the central portion, where there appeared to be one or possibly two gasoline service stations on the east side of US Highway 99 (presently The Old Road). There also appeared to be no significant changes in the

adjacent properties to the west, except adjacent to the southern portion, where an oil well (POI #109) was present.

1968

The composition of the proposed Entrada development remained similar to the way that it did in 1952. The northern portion of the subject site (located on the north side of the Santa Clara River) was a mix of agricultural land and land developed by structures. Numerous structures (POI #s 76, 77, 81, 110, 111, 113, 114, 132, 134, 135, 136, 137, 139, 143, 149, 170, 174, 176, 182, 184, 185, 186, 187, 192 and 193) and a gasoline service station (POI #66) were observed in this portion of the subject property. The structure identified at POI #140 was no longer present. The Southern Pacific Railroad tracks were observed to traverse from west to east through the northern portion of the subject site, and then turning south to run along the eastern portion of the subject site. In the eastern part of the northern portion of the subject property, there appeared to be a small structure in the area of the present day water well (POI #96). A larger structure (POI #90) was visible in this portion of the property. There were no significant changes in the central portion of the subject site. The water well (POI #121) was still visible. A small part of the southern portion of the subject site (in the area of the Magic Mountain nursery – POI #125) was occupied by what appeared to be cattle corrals. Ten oil wells (POI #s 1, 16, 21, 28, 31, 33, 36, 39, 43 and 45) were present in the southern portion of the subject site. An unidentifiable structure is located in the same location as what was identified as an oil well (POI #26) on topographic maps. One visible oil sump (POI #17) was visible to the northwest of Oil Well NL&F 31 (POI #16). What appeared to be possible former sumps (POI #s 2, 29 and 30) were observed near the Oil Wells NL&F 35, 47 and 37 (POI #s 1, 28 and 31). Flattened areas (POI #s 34, 37 and 44) were observed beneath Oil Wells NL&F 38, 43 and 44 (POI #s 33, 36 and 43). Tanks were observed at POI #s 12 and 15, which are all part of Battery #5. POI #12 appears to have 6 tanks while POI #15 appears to have 2 tanks. A small darkened area (POI #197), observed to the south of POI #15, appeared to be either a possible tank, oil well or small sump location. What appeared to be 2 tanks were observed at POI #27, and is identified as Tank Battery #8. High voltage transmission lines were visible along the southern property boundary. The Saugus-Ventura Road (State Highway 126) had been diverted to the north of Henry Mayo Drive. Portions of Highway 126 and Henry Mayo Drive were adjacent to the north of the subject site. Adjacent to the north across Henry Mayo Drive (across from POI #139) was a structure, in the same location as the present day Los Angeles County Fire Station #76. The Interstate 5 Freeway (Golden State Freeway) had been completed to the east of the old State Highway 99. Adjacent to the east of the subject site was old US Highway 99 (presently The Old Road) followed by a narrow strip of vacant land, and 3 gasoline service stations. Directly adjacent to the east of the central portion of the subject site is the Los Angeles County Water Treatment Plant and an oil well (POI #199). The adjacent properties to the south of the subject site remained unchanged. Adjacent to the west-central portion of the subject site, just south of the Santa Clara River, was a group of structures which were likely part of the Newhall Ranch. A feed lot and corrals which were formerly located to the west appeared to be no longer in use. Agricultural land was still observed to the west of the central portion of the subject site. On the hill to the west of the former feed lot were what appeared to be 4 water tanks. Numerous oil wells were observed on the adjacent properties to the west of the subject site. The closest of these wells to the subject site included POI #s 18, 50, 107, 109, 191 and 198.

1976

The composition of the proposed Entrada development remained similar to the way that it did in 1968. The northern portion of the subject site (located on the north side of the

Santa Clara River) was a mix of agricultural land and land developed by structures. Numerous structures (POI #s 76, 77, 81, 110, 111, 113, 114, 132, 134, 135, 136, 137, 139, 143, 149, 158, 170, 174, 176, 182, 184, 185 and 192) and a gasoline service station (POI #66) were observed in this portion of the subject property. The structures identified at POI #s 186, 187 and 193 were no longer present. The Southern Pacific Railroad tracks were observed to traverse from west to east through the northern portion of the subject site, and then turning south to run along the eastern portion of the subject site. In the eastern part of the northern portion of the subject property, there appeared to be a small structure in the area of the present day water well (POI #96). A larger structure (POI #90) was visible in this portion of the property. There were no significant changes in the central portion of the subject site, except for one oil well (POI #50) in the area of the group of structures. The water well (POI #121) was still visible. Magic Mountain Parkway was observed to divide the central and southern portions of the subject site. Ten oil wells (POI #s 1, 16, 21, 28, 31, 33, 36, 39, 43 and 45) were present in the southern portion of the subject site. In addition, one oil drill rig was observed drilling a new oil well (POI #123). What appeared to be possible former sumps (POI #s 2, 17, 29 and 30), which were observed near the Oil Wells NL&F 35, 31, 47 and 37 (POI #s 1, 16, 28 and 31) in the 1968 aerial photographs, are barely visible. The flattened areas (POI #s 34, 37 and 44), which were observed beneath Oil Wells NL&F 38, 43 and 44 (POI #s 33, 36 and 43), depicted in the 1968 aerial photograph, were barely visible. Tanks were observed at POI #s 12 and 15, which are all part of Tank Battery #5. POI #12 appears to have 7 tanks while POI #15 appears to have one tank. A small darkened area (POI #197), observed to the south of POI #15 in the 1968 aerial photograph, is no longer visible; however, a cleared pad still existed in its location. What appeared to be two tanks were observed at POI #27, and are identified as Tank Battery #8. High voltage transmission lines were visible along the southern property boundary. What appeared to be a trench trace was observed to parallel the transmission lines. This is the location of a Southern California Gas Company high pressure gas pipeline. State Highway 126 is located north of Henry Mayo Drive. Portions of Highway 126 and Henry Mayo Drive were adjacent to the north of the subject site. Adjacent to the north across Henry Mayo Drive (across from POI #139) were two structures, in the same locations as the present day Los Angeles County Fire Station #76 and Schwartz Oil company station. The Interstate 5 Freeway (Golden State Freeway) had been completed to the east of the old US Highway 99. Adjacent to the east of the subject site was The Old Road (formerly US Highway 99) followed by a narrow strip of vacant land, and one gasoline service station. Directly adjacent to the east of the central portion of the subject site is the Los Angeles County Water Treatment Plant. The oil well (POI #199) located on this property was no longer visible. Also directly east of the southern portion of the subject property was a gasoline service station in the same location as the present day Chevron gasoline service station. The adjacent properties to the south of the subject site remained unchanged. Adjacent to the west-central portion of the subject site, just south of the Santa Clara River, was a group of structures which were likely part of the Newhall Ranch. The feed lot and corrals, and agricultural land which were formerly located to the west were no longer present, and the Magic Mountain Theme Park had now replaced them. Numerous oil wells were observed on the adjacent properties to the west of the subject site. The closest of these wells to the subject site included POI #s 18, 107, 109, 191, 198 and 199.

1989

The composition of the proposed Entrada development remained similar to the way that it did in 1976. The northern portion of the subject site (located on the north side of the Santa Clara River) was a mix of agricultural land and land developed by structures. Numerous structures (POI #s 76, 77, 81, 110, 111, 113, 114, 132, 134, 135, 136, 137, 139, 143, 149, 158, 170, 174, 182, 184, 185 and 192) and a gasoline service station (POI

#66) were observed in this portion of the subject property. The structure identified at POI #176 is no longer present. The trace of the former Southern Pacific Railroad tracks was observed to traverse from west to east through the northern portion of the subject site, then turning south to run along the eastern portion of the subject site. In the eastern part of the northern portion of the subject property, a water well (POI #96) was visible. The structure (POI #90) was no longer present. There were no significant changes in the central portion of the subject site, except that the western part was no longer agricultural land. An oil well (POI #50) was visible in the aerial photograph. The water well (POI #121) was no longer visible. A structure (POI #125) was observed in the northwest part of the southern portion of the subject site, in the location of the present day Magic Mountain nursery. Ten oil wells (POI #s 1, 16, 21, 28, 31, 33, 36, 39, 43 and 45) were present in the southern portion of the subject site. The oil well (POI #123) which was observed to being drilled in the 1976 aerial photograph was not present in 1989. All of the former sumps (POI #s 2, 17, 29 and 30) observed in the past appeared to have been filled in. The flattened areas (POI #s 34, 37 and 44) observed beneath Oil Wells NL&F 38, 43 and 44 (POI #s 33, 36 and 43), noted in the 1968 aerial photograph, were barely visible and overgrown with vegetation. Tanks were observed at POI #s 12 and 15, which are all part of Tank Battery #5. POI #12 appears to have 2 tanks while POI #15 appears to have 1 tank. The cleared pad (POI #197) was observed to be overgrown with vegetation. What appeared to be two (possibly four) tanks were observed at POI #27, and are identified as Tank Battery #8. An unidentifiable structure is located in the same location as what was identified as an oil well (POI #26) on topographic maps. High voltage transmission lines were visible along the southern property boundary. What appeared to be a trench trace was observed to parallel the transmission lines. This is the location of a Southern California Gas Company high pressure gas pipeline. State Highway 126 is located north of Henry Mayo Drive. Portions of Highway 126 and Henry Mayo Drive were adjacent to the north of the subject site. Adjacent to the north across Henry Mayo Drive (across from POI #139) were three structures, in the same locations as the present day R.M. Pyle Boy's Camp office, the Los Angeles County Fire Station #76 and the Schwartz Oil company station. The Interstate 5 Freeway (Golden State Freeway) was east of the old US Highway 99. Adjacent to the east of the subject site was The Old Road (formerly US Highway 99) followed by a narrow strip of vacant land, a commercial building (in the location of the present day Verizon facility) and approximately five buildings (in the location of present day restaurants). Directly adjacent to the east of the central portion of the subject site is the Los Angeles County Water Treatment Plant. The oil well located (POI #199) on this property was not visible. Also directly east of the southern portion of the subject property was a gasoline service station in the same location as the present day Chevron gasoline service station. The adjacent properties to the south of the subject site remained unchanged. Adjacent to the west-central portion of the subject site, just south of the Santa Clara River, was a group of structures which were likely part of the Newhall Ranch. The Magic Mountain Theme Park and parking lots were present to the west. Numerous oil wells were observed on the adjacent properties to the west of the subject site. The closest of these wells to the subject site included POI #s 18 and 107. The oil wells at POI #s 109, 191, 198 and 199 were no longer visible.

1994

The composition of the proposed Entrada development remained similar to the way that it did in 1989. The northern portion of the subject site (located on the north side of the Santa Clara River) was a mix of agricultural land and land developed by structures. Numerous structures (POI #s 76, 113, 114, 132, 134, 135, 136, 137, 139, 143, 149, 158, 170, 182, 184 and 185) and a gasoline service station (POI #66) were observed in this portion of the subject property. The structures identified at POI #s 77, 81, 110, 111, 174

and 192 are no longer present. The trace of the former Southern Pacific Railroad tracks was observed to traverse from west to east through the northern portion of the subject site, and then turning south to run along the eastern portion of the subject site. In the eastern part of the northern portion of the subject property, a water well (POI #96) was visible. There were no significant changes in the central portion of the subject site, except that the western part appeared to be cleared and to be either agricultural land or pasture. The oil well (POI #50) was no longer visible, except for a cleared pad. A structure (POI #125) was observed in the northwest part of the southern portion of the subject site, in the location of the present day Magic Mountain nursery. The 10 oil wells (POI #s 1, 16, 21, 28, 31, 33, 36, 39, 43 and 45) observed in the past in the southern portion of the subject site appeared to have been removed and only cleared pads remained. The flattened areas (POI #s 34, 37 and 44) which were observed beneath Oil Wells NL&F 38, 43 and 44 (POI #s 33, 36 and 43), observed in the 1968 aerial photograph, were barely visible and overgrown with vegetation. Tanks were observed at POI #s 12 and 15, which are all part of Tank Battery #5. POI #12 appears to have two tanks while POI #15 appears to have one tank. The cleared pad (POI #197) was observed to be overgrown with vegetation. What appeared to be two (possibly four) tanks were observed at POI #27, and is identified as Tank Battery #8. An unidentifiable structure is located in the same location as what was identified as an oil well (POI #26) on topographic maps. High voltage transmission lines were visible along the southern property boundary. What appeared to be a trench trace was observed to parallel the transmission lines. This is the location of a Southern California Gas Company high pressure gas pipeline. There appeared to be no significant changes in the adjacent properties to the north and south. The Interstate 5 Freeway (Golden State Freeway) was east of the old US Highway 99. Adjacent to the east of the subject site was The Old Road (formerly US Highway 99) followed by a narrow strip of vacant land and two commercial buildings (in the location of the present day California Highway Patrol and Verizon facilities). A large building (in the location of the present day hotel) and approximately five buildings (in the location of present day restaurants) were also east of The Old Road. Directly adjacent to the east of the central portion of the subject site is the Los Angeles County Water Treatment Plant. Also directly east of the southern portion of the subject property was a gasoline service station in the same location as the present day Chevron gasoline service station. Adjacent to the west-central portion of the subject site, just south of the Santa Clara River, was a group of structures which were likely part of the Newhall Ranch. There appeared to be fewer structures than in 1989. The Magic Mountain Theme Park and parking lots were present to the west. Numerous oil wells were observed on the adjacent properties to the west of the subject site. The closest of these wells to the subject site included POI #18. The oil wells at POI #s 107, 109, 191, 198 and 199 were no longer visible.

2002

The composition of the proposed Entrada development remained similar to the way that it did in 1994. The northern portion of the subject site (located on the north side of the Santa Clara River) was a mix of agricultural land and land developed by structures. Numerous structures (POI #s113, 132, 134, 136, 137, 139, 143, 149, 158, 170, 182, 184 and 185) were observed in this portion of the subject property. The structures identified at POI #s 66, 76, 114 and 135 were no longer present. The trace of the former Southern Pacific Railroad tracks was observed only to run along the eastern portion of the subject site. In the eastern part of the northern portion of the subject property, a water well (POI #96) was visible. There were no significant changes in the central portion of the subject site, except that the western part appeared to be used for agricultural land. The oil well (POI #50) was no longer visible, except for a cleared pad. A structure (POI #125) was observed in the northwest part of the southern portion of the subject site, in the location

of the present day Magic Mountain nursery. The 10 oil well pads (POI #s 1, 16, 21, 28, 31, 33, 36, 39, 43 and 45) were observed to remain cleared of vegetation. An excavated area was observed in the area of a reported oil well (POI #124). The flattened areas (POI #s 34, 37 and 44) which were observed beneath Oil Wells NL&F 38, 43 and 44 (POI #s 33, 36 and 43), observed in the 1968 aerial photograph, were barely visible and overgrown with vegetation. Tank Battery #5 (POI #s 12 and 15) was no longer present. A pile of soil (POI #14) was in the area of former Tank Battery #5 (POI #s 12 and 15). Tank Battery #8 (POI #27) and the unidentified structure (POI #26) were no longer present. High voltage transmission lines were visible along the southern property boundary. What appeared to be a trench trace was observed to parallel the transmission lines. This is the location of a Southern California Gas Company high pressure gas pipeline. There appeared to be no significant changes in the adjacent properties to the north and south. The Interstate 5 Freeway (Golden State Freeway) was east of the old US Highway 99. Adjacent to the east of the subject site was The Old Road (formerly US Highway 99) followed by a narrow strip of vacant land, two commercial building (in the location of the present day California Highway Patrol and Verizon facilities) and a Cal Trans maintenance yard. A large building (in the location of the present day hotel) and approximately five buildings (in the location of present day restaurants) were also east of The Old Road. Directly adjacent to the east of the central portion of the subject site is the Los Angeles County Water Treatment Plant. Also directly east of the southern portion of the subject property was a gasoline service station in the same location as the present day Chevron gasoline service station. Adjacent to the west-central portion of the subject site, just south of the Santa Clara River, appeared to be agricultural land. The group of structures observed in this area in the past was no longer present. The Magic Mountain Theme Park and parking lots were present to the west. Numerous oil well pads were observed on the adjacent properties to the west of the subject site. All of the well locations closest to the subject site appear to have had the wells removed.

Historical Fire Insurance Maps

Historical fire insurance maps have been primarily used by insurance underwriters to determine the risk involved in insuring individual buildings in urban areas against loss due to fire. When available, these maps can provide information regarding the historical use of a particular site and its adjacent properties. Historical fire insurance maps were not available for the subject property.

Historical Topographic Maps

1903 and 1916
The majority of the subject site is located at the junction of the Castaic Valley and the valley formed by the Santa Clara River. The southern portion of the subject site is located in the northeastern tip of the Santa Susana Mountains. The majority of the subject development is depicted as undeveloped land, with the exception of a few roads which traverse the subject site. The Santa Barbara Line of the Southern Pacific Railroad was depicted to traverse the northern portion of the property, and then turn south and run along the eastern property boundary. The Santa Clara River channel was observed to traverse the central portion of subject site generally from east to west. The adjacent properties were predominantly undeveloped land. The Saugus-Ventura Road (presently named Henry Mayo Drive) was present to the north, and a road was depicted in the same location as the present day Old Road.

1933
The northwestern portion of the subject site was not depicted on this map. The Southern Pacific Railroad tracks were still depicted as running along the eastern property boundary. The southern portion of the subject site remained undeveloped land. High voltage transmission lines were depicted along the southern property boundary. The adjacent properties remained similar to those depicted in the 1916 topographic map. United State (US) Highway 99 was depicted adjacent to the east of the subject site.

1947
The majority of the subject site remained undeveloped land. Four small structures were depicted in the northern portion of the subject property, now labeled as "Newhall Ranch." One structure was in the area of POI #110, two structures in the area of POI #114 and one structure in the area of POI #s 136 and 137. The Southern Pacific Railroad tracks were still depicted as running from west to east across the northern portion of the subject property, and then along the eastern property boundary. A road (in the location of the present day Feedmill Road) and the Santa Clara river channel were both depicted as traversing east to west across the central portion of the subject property. High voltage transmission lines were depicted along the southern property boundary. State Highway 126 (Saugus-Ventura Road) was depicted adjacent to the north of the subject site, and US Highway 99 was depicted adjacent to the east of the subject site. The majority of the adjacent properties to the west remained undeveloped, except for 3 small structures adjacent to the west of the central portion of the subject site. The adjacent properties to the south remained vacant.

1952
The northern portion of the subject site which was labeled on the 1947 topographic map as "Newhall Ranch" is also now labeled as "Castaic Junction." This area was depicted as having approximately 17 square and rectangular buildings (POI #s 66, 76, 77, 81, 110, 111, 113, 114, 135, 136, 137, 139, 170, 174, 176, 184 and 186). The Southern Pacific Railroad tracks are still present in this area, and there appeared to be a second spur line paralleling the main track. Also present to the east-southeast of the buildings was a water well (POI #96). The Santa Clara River was still depicted as traversing east to west across the central portion of the subject site. A gauging station was depicted where the river crossed beneath US Highway 99. Feedmill Road was also depicted to traverse generally from east to west across the central portion of the subject site. One water well (POI #121) was depicted in the east-central portion of the subject site. The southern portion of the subject property was undeveloped land. High voltage transmission lines ran along the southern property boundary. The Saugus-Ventura Road – State Highway 126 (known today as Henry Mayo Drive) – is depicted adjacent to the north of the subject site. US Highway 99 (Golden State Highway) is depicted adjacent to the east of the subject site. The majority of the adjacent properties to the west of the site remained vacant undeveloped land. Adjacent to the west-central portion of the subject site, just south of the Santa Clara River, were two groups of small structures and four water tanks which were part of the Newhall Ranch. Also off-site, adjacent to the west of the central portion of the subject property (currently on Magic Mountain Theme Park property) was an oil well (POI #109). The land adjacent to the south of the subject site remained undeveloped land.

1969
The northern portion of the subject site which was labeled on the 1952 topographic map as "Newhall Ranch" is also now labeled as "Castaic Junction." This area was depicted as having approximately 25 square and rectangular buildings (POI#s 66, 76, 77, 81, 110, 111, 113, 114, 132, 134, 135, 136, 137, 139, 143, 149, 170, 174, 176, 184, 185, 186, 187,

186 and 190). The Southern Pacific Railroad tracks are still present in this area, and there appeared to be a second spur line paralleling the main track. Also present to the east-southeast of or the buildings was a water well (POI #96). The Santa Clara River was still depicted as traversing east to west across the central portion of the subject site. A gauging station was depicted where the river crossed beneath US Highway 99. Feedmill Road was also depicted to traverse generally from east to west across the central portion of the subject site. One water well (POI #121) was depicted in the east-central portion of the subject site. The southern portion of the subject property was occupied predominantly by undeveloped land. Nine oil wells (POI #s 1, 21, 26, 28, 31, 33, 39, 43 and 45) were depicted in the southern portion of the subject property. An additional well (POI #188) was depicted to be on-site on this topographic map. This well is very close to the location of Tank Battery #8 (POI #27), depicted in later topographic maps. High voltage transmission lines ran along the southern property boundary. The Saugus-Ventura Road (State Highway 126), depicted to the north, has now been diverted to the north of Henry Mayo Drive, and new on-ramps and off-ramps have been added as well. Portions of Highway 126, as well as Henry Mayo Drive and one small structure (present day gasoline service station) were depicted to the north of the subject site. The Interstate 5 Freeway was depicted to the east of the subject site. The former US Highway 99 (Golden State Highway), now known as The Old Road, along with three structures to the east of it were depicted adjacent to the east of the subject site. In addition, depicted directly adjacent to the east of the central portion of the subject site were six structures, in the location of the present day county water treatment plant. The majority of the adjacent properties to the west of the site remained vacant undeveloped land. Adjacent to the west-central portion of the subject site, just south of the Santa Clara River, was one group of small structures and four water tanks which were part of the Newhall Ranch. Also off-site, adjacent to the west of the central portion of the subject property (currently on Magic Mountain Theme Park property), were five small structures and four oil wells (POI #s 109, 189, 190 and 191). The land adjacent to the south of the subject site remained undeveloped land.

1988

The northern portion of the subject site was observed to have no significant changes since the 1969 topographic map. In the west-central portion of the subject site, south of the Santa Clara River, was one small structure (POI #49). Depicted in the southern portion of the subject site were nine oil wells (POI #s 1, 21, 26, 28, 31, 33, 39, 43 and 45). An additional well (POI #188) which was depicted on the 1969 topographic map was no longer present. Close to the location of this former depicted well, were depicted tanks, and Tank Battery #8 (POI #27). Also depicted in the southern portion of the subject site were two tank locations (POI #s 12 and 15), both of which were part of the former Tank Battery #5. Depicted to the north of POI #s 12 and 15, was a structure in the location of the present day Magic Mountain nursery (POI #125). High voltage transmission lines ran along the southern property boundary. The Saugus-Ventura Road (State Highway 126), was depicted to the north of Henry Mayo Drive. Portions of Highway 126, as well as Henry Mayo Drive and two small structures (present day boy's camp office and gasoline service station) were depicted to the north of the subject site. The Interstate 5 Freeway was depicted to the east of the subject site. The former US Highway 99 (Golden State Highway), now known as The Old Road, along with five structures to the east of it were depicted adjacent to the east of the subject site. In addition, depicted directly adjacent to the east of the central portion of the subject site were ten structures, in the location of the present day county water treatment plant, and two in the location of the present day Chevron gasoline service station. On the same easterly adjacent property as the water treatment plant, was what appeared to be an oil well. The majority of the adjacent properties to the west of the site remained vacant undeveloped land. Adjacent to the

west-central portion of the subject site, just south of the Santa Clara River, was one group of small structures and four water tanks which were part of the Newhall Ranch. Magic Mountain Theme Park was depicted to the west of the central portion of the subject site. This adjacent property was occupied by 24 structures and four ponds. Also depicted on this property were three oil wells (POI #s 109, 190 and 191). The land adjacent to the south of the subject site remained undeveloped land.

1995
There were no significant changes in the subject site, except in the southern portion, where one of the tank locations (POI #15) was no longer depicted. There were no significant changes in the adjacent properties to the north, with the exception of the addition of one small structure (location of present day county fire station) to the north of Henry Mayo Drive. There were no significant changes in the adjacent properties to the east, with the exception of the addition of six new structures to the east of The Old Road. There were no significant changes in the adjacent properties to the west or the south of the subject site.

Building Records

The Los Angeles County Department of Public Works Building and Safety Department was contacted regarding building permits and certificates of occupancy for the site. Several residences are located on the proposed development. In February of 2007, BA Environmental searched building records for the following addresses: 28743 The Old Road, 28805 The Old Road, 26950 Henry Mayo Drive, 27050 Henry Mayo Drive, 27051 Henry Mayo Drive, 27102 Henry Mayo Drive, 27114 Henry Mayo Drive, 27152 Henry Mayo Drive, 27204 Henry Mayo Drive, 27228 Henry Mayo Drive, 27230 Henry Mayo Drive, 28724 Castaic Canyon Road, 28746 Castaic Canyon Road, 28747 Castaic Canyon Road, 28748 Castaic Canyon Road, 28754 Castaic Canyon Road, 28755 Castaic Canyon Road, 28756 Castaic Canyon Road, 28758 Castaic Canyon Road, 28760 Castaic Canyon Road, 28762 Castaic Canyon Road, 28763 Castaic Canyon Road, and 28769 Castaic Canyon Road. Copies of all of the building permits available are included in Appendix E.

<u>28743 The Old Road</u>
According to building department records, several other addresses have been historically associated with this address. These historic addresses include; 28743 Henry Mayo Road, 28743 Golden State Highway, 22040 Highway 99, 22024 Golden State Highway, 22020 Golden State Highway and 27640 Golden State Highway. A review of building permits indicated that a restaurant was constructed on the subject site in 1950. According to the permits, the restaurant was serviced by a septic tank. A 1952 building permit references "Tank Plans;" however, this is likely to be in reference to a propane tank for the restaurant. Two permits within the file for this address made reference to a Chevron service station. It is BA Environmental's opinion that these two permits were in the wrong file, and were associated with the Chevron service station located at 28805 The Old Road. Between 1950 and 1994, when the building at this address was demolished, the subject building underwent various additions and tenant improvements.

<u>28805 The Old Road</u>
A review of building permits indicated that a Standard Oil Company/Chevron gasoline service station was constructed on the subject site in 1945. The subject site continued to be occupied by a gasoline service station until 1994, when the station building was demolished and the USTs removed. Between 1945 and 1994, when the building at this

address was demolished, the subject building underwent various additions and tenant improvements.

26950 Henry Mayo Drive
No permits were on-file with the Los Angeles County Building and Safety Department for 26950 Henry Mayo Drive.

27050 Henry Mayo Drive
No original building permits were available for this address. All of the permits present in the building and safety department records were for tenant improvements. According to the building permits on-file, Newhall Land & Farming used the former building at this address for offices from at least the 1960s until at least the 1970s.

27051 Henry Mayo Drive
No original building permits of permits for tenant improvements were available in the Los Angeles County Building and Safety Department for 27051 Henry Mayo Drive. The only permits in the file were demolition permits indicating that the building at this address was demolished in 2000. A permit dated August 15, 2003, was for the installation of a construction trailer.

27102 Henry Mayo Drive
No permits were on-file with the Los Angeles County Building and Safety Department for 27102 Henry Mayo Drive.

27114 Henry Mayo Drive
Only one permit was available in the Building and Safety Department records for this address, which was an electrical permit.

27152 Henry Mayo Drive
No original building permits were on-file with the Los Angeles County Building and Safety Department for 27152 Henry Mayo Drive. Several permits for tenant improvements were present in the records. One permit for the installation of an office trailer was dated November 18, 1969. A permit a septic tank for the office trailer was dated December 5, 1969. Also present in the files were the permits for the construction of a "structure" for gasoline storage (dated April 15, 1970) and for the installation of a ¾ hp gas pump (dated April 16, 1970). From these permits, it could not be determined if the "structure" was aboveground or below ground.

27204 Henry Mayo Drive
No original building permits were on-file with the Los Angeles County Building and Safety Department for 27204 Henry Mayo Drive. Two electrical permits dated 1973 and 1975 were present in the file. Also in the file was a demolition permit. This permit was for the demolition of a steel commercial building. According to the permit, the structure was removed; however, the slab and septic tank remained.

27228 Henry Mayo Drive/27230 Henry Mayo Drive
The permits for these two address were located in the same file. According to the Building and Safety files, the storage building was constructed in April of 1957, presumably at the 27228 Henry Mayo Drive address. One electrical permit, one plumbing permit and one sewer permit were also present in the file for this property. The sewer permit indicated that a septic tank was installed. Permits for 27230 Henry Mayo Drive indicated that an office trailer was installed at this address in 1981, and that a carport was constructed in 1982.

28724 Castaic Canyon Road
This address has also been known historically as "A" Street. A permit was issued in 1952 for the construction of a single-family residence and detached garage at this address.

28746 Castaic Canyon Road
This address has also been known historically as "A" Street. According to Building and Safety Department files, a permit was issued in 1952 for the construction of a corrugated metal machine shop. Later, two additions were made to the building, in 1952 and in 1957. During this time, this address was occupied by Wilson Oil Tool Company and later the Castaic Oil Tool Company. According to the 1975 electrical permit, this address was occupied by P&R Storage.

28747 Castaic Canyon Road
No original building permit was found in the Los Angeles County Building and Safety Department for 28747 Castaic Canyon Road. Only one building permit was found in the Building and Safety Department files. This permit was dated July 18, 1990 and was for the demolition of a residences.

28748 Castaic Canyon Road
A building permit issued in 1981 was for the installation of an office trailer. A sewer permit issued in 1979 indicated that a septic tank was installed at the subject address. According to the permits, the subject address was occupied by J & V Trucking.

28754 Castaic Canyon Road
No original building permit was observed within the Los Angeles County Building and Safety Department for 28754 Castaic Canyon Road. Several electrical permits were observed within the files for this address. All were dated in the 1970s and indicated that Jennings Compound Bow Company was the occupant.

28755 Castaic Canyon Road
No original building permit was found in the Los Angeles County Building and Safety Department for 28755 Castaic Canyon Road. Only one electrical permit was found in the Building and Safety Department files. This permit was dated March 16, 1987, and was for the installation of a 200 amp service.

28756 Castaic Canyon Road
No original building permit was observed within the Los Angeles County Building and Safety Department for 28756 Castaic Canyon Road. Several electrical permits were observed within the files for this address. One building permit, dated January 19, 1977, was issued for the construction of a new paint spray booth, which was to be connected to an existing spray booth. In addition, a building permit dated June 11, 1974 was found in the file for the installation of a 9,940-gallon underground diesel tank and a pump. All of the permits found in the records were dated in the 1970s, and identified Jennings Compound Bow Company as the occupant of this address, except for the 1974 permit for the installation of the tank. This permit was issued to J & V Trucking.

Building records were also found for the addresses of 28687 Golden State Highway/Highway 99. One permit had this address crossed out and changed to 28724 Castaic Canyon Road. Three others were listed with the address 28724 Castaic Canyon Road. All were either issued to Fortin Plastics or Jennings Compound Bow Company. It is BA Environmental's opinion that the 28724 Castaic Canyon Road address is incorrect,

and that based on the size of the original building, the 28687 Golden State Highway/Highway 99 and 28724 Castaic Canyon Road addresses listed in these permits were likely associated with 28756 Castaic Canyon Road. According to these building permits, Fortin Plastics constructed a new 30,720-square-foot building in 1961. In 1961, a 4,900-square-foot addition was added to the existing building.

28758 Castaic Canyon Road
No original building permit was found in the Los Angeles County Building and Safety Department for 28758 Castaic Canyon Road. Only one electrical permit was found in the Building and Safety Department files. This permit was dated March 6, 2003, and was for "electrical replacement for SFD."

28760 Castaic Canyon Road
No original building permit was observed within the Los Angeles County Building and Safety Department for 28760 Castaic Canyon Road. Several electrical permits were observed within the files for this address. One electrical permit dated April 9, 1976 was issued for the installation of electrical equipment associated with a spray booth. A sewer permit dated April 13, 1988, was issued for the abandonment of a sewage disposal system. In 1999, the Building and Safety Department issued a permit for the demolition of a 8,200-square-foot metal building.

28762 Castaic Canyon Road
Two building permits and two electrical permits were found in the Building and Safety Department records for the subject address. The building permits were both issued in 1984 and were for the conversion of an existing garage into a pole shed building (open on one side), and the installation of an office trailer.

28763 Castaic Canyon Road
No original building permit was observed within the Los Angeles County Building and Safety Department for 28763 Castaic Canyon Road. Two demolition permits were present in the file, both issued in 1997. One of the permits was for the demolition of a storage building and the other for the demolition of an office/warehouse building.

28769 Castaic Canyon Road.
No original building permit was observed within the Los Angeles County Building and Safety Department for 28769 Castaic Canyon Road. A building permit and two electrical permits were found in the Building and Safety Department files for the subject address. The building permit was issued in 1986 for the construction of a storage building. One of the electrical permits indicated that this address was occupied by the Valencia Water Company in the 1980s.

Review of Previous Environmental Reports

BA Environmental reviewed the following environmental documents regarding the subject property:

PW Environmental, Underground Hazardous Materials Tank Removal at 27230 Henry Mayo Drive, Valencia, California, prepared April 19, 1989. In March of 1989, PW Environmental removed two USTs from the subject address, which was formerly part of a railroad yard. One of the tanks was of steel construction, approximately 8 feet in diameter and 12 feet long, and had a capacity of approximately 4,000 gallons. This tank was reported to have been installed 30-plus years ago and had last been used to store

diesel fuel. Upon removal, this UST was observed to be in good condition, with no breaches in the tank. No aromatic odors or visible signs of discoloration were noted in the soils within the excavation. The second tank was also of steel construction, approximately 8 feet in diameter and 28 feet long, and had a capacity of approximately 10,000 gallons. This tank was reported to have been installed 30-plus years ago and had last been used to store gasoline. Upon removal, this UST was observed to be in good condition, with no breaches in the tank. No aromatic odors or visible signs of discoloration were noted in the soils within the excavation. Two soil samples were collected from beneath the ends of each tank. Samples were collected at a depth of 12 feet bgs beneath the 4,000-gallon UST and at 14 feet bgs beneath the 10,000-gallon UST. All of the samples were analyzed for total petroleum hydrocarbons, and were reported not to contain detectable concentrations. The two samples collected beneath the gasoline UST were analyzed for BTEX compounds. Both of these samples were reported not to contain detectable concentrations of BTEX compounds. PW Environmental concluded that, based on the results of the soil samples, there appeared to be no significant signs of contamination at the subject site. A complete copy of this report is included in Appendix J.

PW Environmental, Underground Hazardous Materials Tank Removal at 28769 Castaic Canyon Road, Valencia, California, prepared March 22, 1989. In March of 1989, PW Environmental removed one UST from the subject address, which was occupied by Stockdale Building Materials. The tank was of steel construction, approximately 4 feet in diameter and 6 feet long, and had a capacity of approximately 500 gallons. This tank was reported to have been installed 30-plus years ago and, according to the report, had last been used to store gasoline. According to the UST abandonment permit, it was reported that this UST had contained diesel fuel. Upon removal, this UST was observed to be in good condition, with no breaches in the tank. No aromatic odors or visible signs of discoloration were noted in the soils within the excavation. One soil sample was collected from beneath the tank. The sample was collected at a depth of 6.5 feet bgs. This soil sample was reported to contain 10 parts per million (ppm) TPH. The sample was not analyzed for BTEX compounds. PW Environmental concluded that, based on the results of the soil samples, there appeared to be no significant signs of contamination at the subject site. Based on our review of this report, BA Environmental believes that the address for this UST removal is incorrect, and that the correct address should be 28760 Castaic Canyon Road. A complete copy of this report is included in Appendix J.

PW Environmental, Underground Hazardous Materials Tank Removal at 28760 Castaic Canyon Road, Valencia, California, prepared April 19, 1989. In March of 1989, PW Environmental removed one UST from the subject address, which was occupied by Stockdale Building Materials. The tank was of steel construction, approximately 4 feet in diameter and 6 feet long, and had a capacity of approximately 500 gallons. This tank was reported to have been installed 30-plus years ago and, according to the report, had last been used to store gasoline. Upon removal, this UST was observed to be in good condition, with no breaches in the tank. No aromatic odors or visible signs of discoloration were noted in the soils within the excavation. One soil sample was collected from beneath the tank. The sample was collected at a depth of 9 feet bgs. This soil sample was reported not to contain detectable concentrations of TPH or BTEX compounds. PW Environmental concluded that, based on the results of the soil samples, there appeared to be no significant signs of contamination at the subject site. Based on our review of this report, BA Environmental believes that the address for this UST removal is incorrect, and that the correct address should be 28769 Castaic Canyon Road. A complete copy of this report is included in Appendix J.

Toxguard System Inc. (TSI), Closure Report, Underground Fuel Storage Tank Closure, at 28762 Castaic Canyon Road, Valencia, California, prepared March 24, 1993. In January of 1993, TSI removed two USTs from the subject address. The tanks were of steel construction, and had capacities of approximately 1,000 gallons and 7,500 gallons. Both tanks were reported to have contained diesel fuel. During the excavation of the tanks, a petroleum odor was detected coming from the excavation and visible soil contamination was observed in the soil around the base of the 1,000-gallon UST. A total of four soil samples were collected. Two samples were collected beneath the 1,000-gallon UST in the area of visible contamination. One sample was collected at 1 foot beneath the invert of the tank, and the other was collected at 5 feet beneath the invert of the tank. Two samples were collected from 1 foot beneath the invert of the 7,500-gallon UST, one from beneath each end of the tank. All of the samples were analyzed for TPH and BTEX compounds. Both samples collected beneath the 7,500-gallon UST were reported not to contain detectable concentrations of TPH or BTEX compounds. The soil sample collected 1 foot beneath the invert of the 1,000-gallon UST was reported to contain concentrations of TPH at 15,000 ppm, ethlybenzene at 0.46 ppm and xylene at 3.9 ppm. The sample collected at 5 feet beneath the invert of the 1,000-gallon tank, directly beneath the 1-foot sample, was reported not to contain detectable concentrations of TPH or BTEX compounds. Subsequent to the removal of the USTs, the excavation was over-excavated in the area of the soil sample collected beneath the 1,000-gallon UST, to a depth of 5 feet beneath the invert of the tank. Approximately 59.63 tons of impacted soil was excavated and transported off-site to TPS for recycling. Based on the results of the over-excavation and the analytical data for the sample collected from 5 feet beneath the invert of the 1,000-gallon UST, TSI recommended no further action. A complete copy of this report is included in Appendix J.

Aqua Science Engineers Inc. (ASE), Underground Fuel Storage Tank Closure, at 28748 Castaic Canyon Road, Valencia, California, prepared December 1, 1989. In November of 1989, ASE removed one UST from the subject address. The tank was of steel construction, and had a capacity of approximately 10,000 gallons. The tank was reported to have contained diesel fuel. Two samples were collected beneath the 10,000-gallon UST, one on each end. The two samples were reported to contain petroleum hydrocarbon concentrations of 930 ppm and 12 ppm. One soil sample was also collected from beneath the fuel dispenser. This sample was reported to contain 420 ppm. ASE made no recommendations in this report. A complete copy of this report is included in Appendix J.

Aqua Science Engineers Inc. (ASE), Site Assessment Report for Tri-R Trucking, 28748 Castaic Canyon Road, Valencia, California, prepared February 15, 1991. In January of 1991, ASE drilled a 40-foot-deep soil boring in the area of the former UST and fuel dispenser. During the drilling activities, groundwater was encountered at 18.5 feet bgs. Soil samples were collected to a depth of 20 feet bgs at 5-foot intervals. Subsequent to the collection of the last soil sample, the soil boring was advanced to 40 feet bgs and converted into a 2-inch-diameter groundwater monitoring well. After its completion, the groundwater monitoring well was developed and sampled. The soil samples collected from 5 to 20 feet bgs were reported to contain TPH concentrations ranging from 28 ppm to 53 ppm. No benzene was detected in the soil samples, and only low concentrations of toluene, ethylbenzene and xylenes were detected in the soil samples. The groundwater sample collected from the completed monitoring well was reported not to contain any detectable concentrations of TPH, benzene, ethylbenzene or xylenes. A low concentration of 0.6 parts per billion (ppb) of toluene was detected in the

water sample. Based on the results of this investigation, ASE recommended that the impacted soil be removed. A complete copy of this report is included in Appendix J.

Aqua Science Engineers Inc. (ASE), Excavation and Disposal of Petroleum Hydrocarbon Impacted Soil at the Tri-R Trucking Site, 28748 Castaic Canyon Road, Valencia, California, prepared May 26, 1992. In May of 1992, ASE excavated approximately 67 tons (45 cubic yards) of diesel fuel-impacted soil. This impacted soil was transported off-site for recycling at Southwest Disposal. Verification soil samples were collected after the visibly impacted soil had been excavated. A total of eight verification soil samples were collected from the excavation. These soil samples were reported not to contain detectable concentrations of TPH. Only very low concentrations of toluene, ranging from 1.9 ppm to 7.7 ppm, were detected in the samples. In addition, two groundwater samples collected from the on-site groundwater monitoring well, one prior to excavation and the other after excavation, were reported not to contain detectable concentrations of TPH or BTEX compounds. Based on the results of these remedial actions, ASE recommended no further action. A complete copy of this report is included in Appendix J.

Aqua Science Engineers Inc. (ASE), Groundwater Sampling and Chemical Analyses Results, 28748 Castaic Canyon Road, Valencia, California, prepared August 16, 1993. In July of 1993, ASE collected a groundwater sample from one on-site groundwater monitoring well. Prior to purging and sampling the well, a groundwater measurement was collected. The depth to water was reported to be 10.58 feet bgs. Subsequently, approximately 30 gallons of water was purged from the well. A groundwater sample was collected after purging the well, which was analyzed to TPH-diesel and BTEX compounds. The laboratory analyses of the sample revealed no detectable concentrations of TPH-diesel or BTEX compounds. ASE concluded that the BTEX concentrations were below the State of California Maximum Contaminant Levels (MCLs) and that there was no significant concentration of TPH-diesel. A complete copy of this report is included in Appendix J.

Aqua Science Engineers Inc. (ASE), October 15, 1993 Quarterly Groundwater Sampling and Monitoring, 28748 Castaic Canyon Road, Valencia, California, prepared November 8, 1993. In October of 1993, ASE collected a groundwater sample from one on-site groundwater monitoring well. Prior to purging and sampling the well, a groundwater measurement was collected. The depth to water was reported to be 11.19 feet bgs. Subsequently, approximately 24 gallons of water was purged from the well. A groundwater sample was collected after purging the well, which was analyzed to TPH-diesel and BTEX compounds. The laboratory analyses of the sample revealed no detectable concentrations of TPH-diesel or BTEX compounds. ASE recommended no further sampling. A complete copy of this report is included in Appendix J.

Exxon U.S.A. Downtown Production Organization, Castaic Junction Site Abandonment Phase I - Final Report, prepared October 1995. In October of 1995, Exxon Downtown Production Organization (Exxon) conducted an investigation at the Castaic Junction Oil Field as part of their decommissioning activities. This investigation assessed seven tank batteries (Tank Battery #s 1, 2, 3, 4, 5, 6/7, and 8 and four production areas (Gas Plant area, Roundhouse, Condensate Tank, and Drill Pad 63). The assessment activities were conducted July 24, 1995 and August 15-17, 1995. Assessment activities included a visual assessment, exploratory trenching, and the collection of soil samples. Trenches were dug to excavate pipelines, determine extent of oil contamination, and determine the volume of impacted soil to be removed. Tank Battery #s 1, 2, 3, 4, and 6/7, and the 4 production areas (Gas Plant area, Roundhouse, Condensate Tank, and Drill Pad

63) were part of this investigation; however, they are located outside of the Entrada development (subject property).

A review of the report site figures indicated that Tank Battery #5 consisted of a large fenced area, with a large bermed area (main tank battery) and a smaller associated Heat Treater Unit approximately 120 feet to the south (BA Environmental's POI #s 12 and 15 respectively). The main tank battery consisted of a bermed area, a crude oil tank, a water tank, a pump unit, compressor and manifolds. The Heat Treater Unit was located on a fill pad, and consisted of 2 tanks and 3 heater units. In the report, the date of the removal of Tank Battery #5 was not stated. According to the report, seven exploratory trenches and approximately 29 soil borings were excavated in the area of Tank Battery #5. Several of the exploratory trenches were observed to have discoloration anywhere from 2 feet bgs to 6 feet bgs. Hydrocarbon odors were also noted in these trenches. In addition, visible surface contamination was observed throughout the tank battery, as well as in the creek bed to the east. It was recommended that all surface contamination be removed and disposed of off-site. In addition, it was recommended that several additional trenches be excavated. Finally, it was recommended that any impacted materials encountered in any of the exploratory trenches be removed.

A review of the report site figures indicated that Tank Battery #8 consisted of a fenced and bermed area (BA Environmental's POI # 27). The battery consisted of two water tanks, pumps, a compressor and manifolds. In the report, the date of the removal of Tank Battery #8 was not stated. According to the report, four exploratory trenches were excavated in the area of Tank Battery 8. Trenches 1 and 2 were excavated within the bermed/sump area. Dark gray discoloration was observed to a depth of approximately 7 feet bgs. The discolored area was noted to have an odor similar to drilling mud, and not petroleum hydrocarbons. According to the report, drilling mud may have been pumped into the former sump in the past. A sample collected from approximately 7 feet bgs in Trench 1 was reported to have elevated concentrations of petroleum hydrocarbons. Samples collected from Trench 2 were reported not to contain petroleum hydrocarbons. Discolored material was observed on the upper one to three feet in Trenches 3 and 4. In addition, the creek area to the north was excavated to remove an asphaltic tar layer. It was recommended that additional assessment be conducted to assess the extent of contamination. In addition, it was recommended that impacted material in the area of Trenches 3 and 4 be removed. There were no recommendation of further assessment or removal of the dark gray material believed to be drilling mud.

Subsequent to this investigation, a follow -up investigation in a portion of Trench 1 was conducted. This area formerly contained a pump and sump. A trench was excavated to a depth of 20 feet bgs in this area. The upper 2-3 feet was reported to have discoloration. A sample collected in the bottom of the trench was reported to contain concentrations of petroleum hydrocarbons below the soil screening levels. It was recommended that, in the area of the former pumps and sumps, the later extent of soil contamination should be further assessed, assuming that the vertical extent of contamination was 20 feet bgs. In the area of Tank Battery #8, it was also recommended that the later extent of soil contamination be further assessed, assuming that the vertical extent was 10 feet bgs. A complete copy of this report is included in Appendix F.

Exxon Company U.S.A. (Exxon), Closure Report, Castaic Junction Oil Field, prepared July 1996. In 1996, Exxon began clean up and decommissioning of their lease in the Castaic Junction Oil Field. These cleanup and decommissioning activities were based on areas identified in Exxon Downtown Production Organization's Castaic Junction Site Abandonment Phase I - Final Report, dated October 1995. Many of these

areas were investigated in early 1996 during a Phase II investigation of the Castaic Junction site abandonment. Specific areas which were investigated and major activities conducted included Tank Battery 2, Tank Battery 3 and TB3 culvert, Tank Battery 4 sump, Tank Battery 5, GP-17 sump, flare sump, drill pit investigation, lease road removals, and well site restorations. Two additional areas were identified, a pit location in the area of the two former glycol reboilers on the hillside west of the former office and a partially buried debris collection area downslope, southwest of Well HL&F 11. These two sites were addressed in a later assessment. Tank Battery 2, Tank Battery 3 and TB3 culvert, Tank Battery 4 sump, GP-17 sump, flare sump, drill pit investigation, portions of the lease road removals, portions of the well site restorations, a pit location in the area of the 2 former glycol reboilers on the hillside west of the former office and a partially buried debris collection area downslope, southwest, of Well HL&F 11 were not part of the subject site. Only Tank Battery #5, portions of the lease road removals and portions of the well site restorations are part of the subject site.

For cleanup goals, Exxon used the Los Angeles Regional Water Quality Control Board's (RWQCB) "Interim Guidance for Remediation of Petroleum Impacted Sites, Soil Screening Levels." Exxon used Level B (40 to 150 feet above drinking water) to establish the cleanup levels. Exxon's cleanup goals were as follows:

Total Petroleum Hydrocarbons
C_4-C_{12} = 100 ppm
C_{13}-C_{22} = 1,000 ppm
C_{23}+ = 10,000 ppm

Benzene = 0.01 ppm
Toluene = 1.0 ppm
Ethylbenzene = 6.8 ppm
Xylene = 17.5 ppm

Two methods of disposal for impacted soil were used. Soil with greater than 50 ppm Volatile Organic Compounds (VOCs) was transported off-site to a recycling facility. Soil which was considered non-hazardous and asphaltic road materials was used as road base materials.

In previously conducted Phase I and Phase II investigations, surface staining and near surface crude oil-impacted soil was encountered around several active tank batteries (TB2, TB3, TB5 and TB8) and several inactive/abandoned tank battery sites (TB Corp 1, TB4 and TB6/7). In addition, former sump locations were identified in the vicinity of TB1, TB2, TB3 and TB4. Additional investigations conducted in these areas by Exxon further delineated the vertical extent of the impacted soil. Based on the additional investigations, a remedial action plan was developed. This plan called for the excavation of visually-impacted soils in the areas of concern. This generally consisted of the removal of the top two to three feet of soil. If additional visually-impacted soil was encountered, that material would be excavated until visually clean. Soil samples were collected from each of the excavations to confirm that the RWQCB Level B cleanup goals were met. Upon completion of the final site excavation, each area was "ripped" to promote natural revegetation. According to Exxon, several areas identified in the 1995 Phase I were restored using the general remediation plan. Exxon indicated that analytical data was not available to include in their report. Those sites included TB1 and associated gully, TB2 gully and bank, TB5 creek, TB6/7, TB8, condensation tank and the Round House area. All of the excavated soils were screened to separate out the clean

overburden material from the asphaltic materials. Three screened piles were left on-site, two piles near Tank Battery #5 and one near Tank Battery #3. Samples collected from these stockpiles were reported to be below the Level B cleanup goals.

According to Exxon, at Tank Battery 2, Tank Battery 3, Tank Battery 3 culvert, Tank Battery 4 sump, Flare sump and the GP-17 sump, impacted soils were removed. After excavating many of these areas, residual petroleum hydrocarbon contamination remained. All of the residual contamination was reported to be below the Level B cleanup goals.

According to Exxon, former drill pits were associated with Wells #4, #11, #15 and #49. These pits were all assessed for petroleum hydrocarbons, BTEX compounds and CAM metals. The investigation revealed no concerns with the former drilling pits, and no remediation activities were conducted in these areas.

Exxon also indicated that all of the on-site oil wells were plugged under the supervision of the DOG. Upon completion of the abandonment of the wells, the excavations were backfilled. Once the wells were completely abandoned and approved by the DOG, each well site was "ripped" to promote natural revegetation.

Exxon concluded that, upon completion of the remediation of the remaining two areas, the former cooling tower sump and the debris collection area, Exxon would have complied with all of the lease cleanup requirements with respect to the subject site. A complete copy of this report is included in Appendix F.

Applied Environmental Technologies, Inc. (AET), Phase I Environmental Site Assessment (ESA), 131.74 Acres of Land, Tentative Tract No. 53295, Located South of Henry Mayo Drive and The Old Road, Castaic Junction, Los Angeles County, California, prepared February 8, 2002. In February of 2002, AET conducted a Phase I ESA at the subject site. This ESA included a review of historical documents, a site reconnaissance, a review of governmental databases and a review of environmental agency files. According to AET, approximately 40 acres in the northern portion of the site was occupied by a number of commercial buildings. The western, southern and southeastern portions, consisting of approximately 90 acres, were reported to be occupied by agricultural row crops. According to historical documents, the subject site was occupied by commercial buildings and agricultural fields from prior to 1947 through the present. According to AET, the subject property's current usage includes storage yards, a towing service/automobile repair shop, a U-Haul rental office, trucking companies, truck maintenance, a concrete construction business, a residence, and agricultural land. During their site reconnaissance, AET did not identify any USTs. A waste oil aboveground storage tank (AST) was observed at 28762 Castaic Canyon Road. AET identified several 55-gallon drums or smaller containers of hazardous materials (including waste oil) at several of the addresses (28746, 28754, 28756, 28760 and 28769 Castaic Canyon Road). Oil staining was observed on the concrete of bare surfaces beneath the drums/containers at 28746, 28754 and 28756 Castaic Canyon Road. AET also observed an out-of-service spray booth at 28756 Castaic Canyon Road. AET reviewed various governmental databases for the site vicinity. According to AET, three site addresses (27230 Henry Mayo Drive, and 28760 and 28748 Castaic Canyon Road) were listed as LUST sites. All three LUST cases were reported as having been closed. One address (28762 Castaic Canyon Road) was listed as a UST site. This site was reported as not being listed as a LUST site. Two of the subject addresses (28748 and 28756 Castaic Canyon Road) were listed on the RCRIS and HAZNET databases. AET also indicated that six sites were listed within a 0.l25-mile radius of the subject site. AET concluded that neither the sites located on-site, or those located off-site would likely have impacted the subject site.

AET reviewed Newhall Land & Farming Company files and Los Angeles County Department of Public Works files regarding UST removals on the subject site. Five addresses (27230 Henry Mayo Drive, and 28748, 28760, 28762 and 28769 Castaic Canyon Road) were all reported to formerly have USTs. Four of the sites were reported to have been closed between 1989 and 1993. One site, 28748 Castaic Canyon Road, did not have a closure letter. Based on the results of their Phase I ESA, AET did not find any recognized environmental conditions in connection with the subject site, except for the oil staining. AET did indicate that based on the present of past on-site USTs, and the past usage of the site for vehicle repair and maintenance, there was a moderate potential for localized areas of petroleum hydrocarbons to be encountered during the demolition of the subject buildings. AET recommended that at the time of demolition, any petroleum hydrocarbon impacted soils encountered during demolition activities should be handled properly. A copy of this report is included in Appendix F.

R.T. Frankian & Associates (RTF&A), Summary of Tenant Audits, Various Properties - Castaic Junction Area, Southwest Corner Golden State Freeway (I-5) and Highway 126, prepared April 29, 2003. In 2003, RTF&A conducted a tenant audit of various tenants located on Newhall Land & Farming Company property in the Castaic Junction area. The audit assessed six individual addresses:

Al Furman & Son Towing – 28746 Castaic Road
Tri-R Trucking and Classic Cartage – 28747 Castaic Road
Kennedy Enterprises – 28755 Castaic Road
BBB Enterprises and Santa Clarita Concrete – 28756 Castaic Road
Alan Berman Trucking – 28760 Castaic Road
Tri-R Trucking and Classic Cartage – 28762 Castaic Road

The assessment of Al Furman & Son Towing revealed no recognizable environmental conditions. Some oil staining was observed within the vehicle storage area. RTF&A recommended that drip pans be provided for vehicles or parts of vehicles which may drip automotive fluids onto the bare ground.

The assessment of Tri-R Trucking and Classic Cartage (28747 Castaic Road) revealed that this property is used for truck trailer storage. The assessment revealed no recognizable environmental conditions. Some oil staining was observed within the trailer storage area. One truck fuel tank was observed to be stored on the bare ground. In addition three unlabeled 1-gallon containers were stored adjacent to the fuel tank. RTF&A recommended that drip pans be provided for vehicles which may potentially drip automotive fluids onto the bare ground. They also recommended that the truck fuel tank be drained and stored off of the ground. Finally, it was recommended that the contents of the 1-gallon containers be determined and properly labeled, and if necessary disposed of properly.

The assessment of Kennedy Enterprises revealed that this site is used for vehicle maintenance and storage, and identified no recognizable environmental conditions. Two unlabeled fuel storage drums and various 1- and 5-gallon containers, many unlabeled, were observed on-site. Some oil staining was observed within the vehicle storage area. RTF&A recommended that the contents of the various containers be determined and properly labeled, and that they be properly stored.

BBB Enterprises utilizes the interior of the building for woodworking operations, and Santa Clarita Concrete uses the interior of the building for offices and the exterior for the storage of equipment. The assessment of this site revealed recognizable environmental

conditions that were detrimental to soil and groundwater at the site. The assessment identified a drum storage area with approximately fifty 55-gallon drums. All of the drums were observed to be stored on the bare ground, and several of the drums were observed to be leaking onto the ground surface. A small container storage area was also observed. This area contained 1- to 5-gallon containers of paints, degreases and gasoline. Most of the containers were observed to be stored on the bare ground. A vehicle maintenance area was observed on-site in a truck loading dock. An open-topped service tray containing oil and an open-topped oil filter draining drum was observed in this area. Stormwater from this area was observed to be pumped out onto the front of the subject property. Finally, a sump was observed with an old battery stored next to it. RTF&A recommended that a Phase I Environmental Assessment, and if necessary a Phase II Environmental Investigation be conducted on-site. They also recommended that any impacted soil be removed. Subsequent to the removal of the impacted soil, confirmation samples should be collected. The assessment also recommended that the stormwater discharged be evaluated and sampled if necessary. The sump should also be evaluated and if necessary samples collected. The contents of all drums should be identified and the drums properly labeled and stored. If no longer needed, the drums should be disposed of properly. Finally, the old battery should be disposed of properly.

The assessment of Alan Berman Trucking revealed that this site is used for vehicle maintenance and storage, and identified no recognizable environmental conditions. During the assessment, some areas of staining were observed in the truck storage area. Four unlabeled 55-gallon drums were observed stored on bare ground and 1 was observed on a concrete pad. In addition, two truck fuel tanks were also observed to be stored on bare ground. RTF&A recommended that drip pans be provided for vehicles which may drip automotive fluids onto the ground. They further recommended that the two truck fuel tanks be drained and stored off of the ground. RTF&A also recommended that the contents of the various containers be determined and properly labeled, and that they be properly stored. Finally, if the drums are no longer needed, they should be disposed of properly.

The assessment of Tri-R Trucking and Classic Cartage (28762 Castaic Road) revealed that this site is used for truck trailer storage, and identified no recognizable environmental conditions. During the assessment, some areas of staining were observed in the truck storage area. Two 55-gallon drums were observed without tops. In addition, a 1-gallon storage container was also observed on the floor of the maintenance area. All of the containers were observed not to be clearly labeled. RTF&A recommended that the contents of the various containers be determined and properly labeled, and that they be properly stored. Finally, if the drums and containers are no longer needed, they should be disposed of properly. A copy of this report is included in Appendix F.

BA Environmental, Phase II Subsurface Investigation, Water Quality Basins, Entrada ME073-02 Basins, Valencia, California, prepared September 6, 2006. In August of 2006, BA Environmental conducted a Phase II subsurface investigation at the subject site to assess whether pesticides or chlorinated herbicides existed within the shallow soil beneath the subject site. The subject site consisted of two parcels of land, which included one 5-acre parcel and one 6.5-acre parcel. One of the two parcels has been proposed for use as a water quality basin. As it has not been determined which parcel would be used, both parcels were assessed. Information provided to BA Environmental revealed that the subject property had been historically used as part of a feed lot for cattle, and then later as agricultural land. Presently, the land has been left to fallow.

On August 2, 2006, BA Environmental advanced a total of 44 shallow hand auger borings on-site. Twenty of the borings were advanced on the 5-acre parcel and 24 advanced on the 6.5-acre parcel. The shallow soil borings were advanced to a maximum depth of 2 feet bgs. Soil samples were collected at the surface and from the bottom of each of the shallow borings.

BA Environmental reported that field observations of soil samples collected from all of the soil borings at the 5-acre parcel revealed no unusual discoloration or odors. BA Environmental stated that field observations of soil samples collected from all of the soil borings at the 6.5-acre parcel revealed no unusual discoloration or odors, except in the shallow soil borings EB2-1B, -4B, -5C and -5D. The 2-foot-deep samples from each of these 4 shallow soil borings were observed to have a dark gray discoloration. The soil sample EB2-1B-2 was noted to have an unusual odor. Soils beneath the 2 parcels were observed to consist of silts, silty sands, sands and gravelly sands to a depth of 2 feet bgs. According to BA Environmental, groundwater was not encountered in any of the shallow soil borings within the 6.5-acre parcel. During the drilling activities, shallow groundwater was encountered at approximately 2 feet bgs beneath portions of the 5-acre parcel. BA Environmental believed that this shallow groundwater was due to recent irrigation of this parcel.

The 20 surface soil samples from the 5-acre parcel were composited into a total of five composite soil samples (four samples per composite) in the laboratory. The 24 surface soil samples from the 6.5-acre parcel were composited into a total of six composite soil samples (four samples per composite) in the laboratory. The remaining deeper soil samples were placed on "hold" pending the results of the shallower composited samples. The composited samples were analyzed for OCPs, OPPs, CHs, Paraquat, ammonia, nitrate and nitrite. Random discrete soil samples were analyzed for CAM-17 metals or arsenic.

Analyses of the composited soil samples revealed no detectable concentrations of OCPs, OPPS, CHs or Paraquat. Analytical results of the discrete soil samples revealed no detectable concentrations of arsenic, indicating that there appear to be no arsenopesticides present on the subject site. Analytical results of shallow discrete soil samples for CAM-17 metals revealed no elevated concentrations of heavy metals. In addition, a comparison of the results of the discrete soil samples collected on-site with those collected from off-site indicated that the metal concentrations detected appeared to be within the normal background range of metals in soils within the region.

Historically the subject parcels have been used as a cattle feed yard and for agricultural purposes. Ammonia, nitrate and nitrite are common components of natural and artificial fertilizers. These compounds were also natural wastes present in animal excrement. Detectable concentrations of ammonia and nitrate were detected in composite samples collected from both the 5-acre parcel and the 6.5-acre parcel. Nitrite was detected in only one composite sample collected from the 5-acre parcel. Currently, no regulatory action levels exist for ammonia, nitrate or nitrite in soils. Action levels do exist for California Drinking Water Standards; however, the shallow groundwater beneath the subject site is not likely potable.

A discolored layer of soil was observed at approximately 2 feet bgs in several of the shallow soil borings in the 6.5-acre parcel. The source of the discoloration is unknown; however, it could be due to decaying organics.

BA Environmental concluded that as one of these two parcels is planned for the construction of an unlined Water Quality Control Basin, it was recommended that the soils excavated for the basin not be used for the construction of the basin. Further, if discolored soil is encountered, it too should be excavated and not used in the construction of the basin. As these soils do not pose a direct significant threat to human health, the soil excavated during the construction of the Water Quality Control Basin may be used for grading material elsewhere, as long as it is mixed with soils not from agricultural areas. A copy of this report is included in Appendix F.

Historical Summary

The review of historical documents indicates that the northern portion of the subject site was occupied by agricultural land and vacant land from prior to 1928 until around 1947. By 1947, a part of the northern portion of the subject site had been developed by numerous structures. Some of these structures were related to the Southern Pacific Railroad and others were related to Newhall Ranch. Also in this area was a gasoline service station. By 1952, the northern portion was occupied only by agricultural land and structures related to the Southern Pacific Railroad and Newhall Ranch. By 1968, the structures were occupied by Newhall Ranch or commercial businesses. By the 1980s, Newhall Ranch had mostly vacated these structures, and most were occupied by various commercial business. Since the 1980s, there have not been many significant changes in this portion of the subject site. The central portion of the subject site was occupied by agricultural land and undeveloped land from prior to 1928 until around 1952. By 1952, the west part of the central portion was occupied by some structures which were part of the Newhall Ranch. These structures continued to be present until around 1989, when they were demolished. Since 1989, the west part of the central portion has been occupied by agricultural land. Between 2004-2006, the eastern part of the central portion was graded for the construction of commercial buildings. The southern portion of the subject site was undeveloped land used for cattle grazing from prior to 1928 until around the late 1960s. In the 1960s, the southern portion of the subject site was developed into an oil field. The southern portion continued to be occupied by an oil field until 1995, when the oil field had been decommissioned. Since the abandonment of the oil field, this portion has remained vacant. Historical structures, wells, sumps and tanks have been assigned Points of Interest (POI) numbers, which are included in Table 1 and shown in Figures 3, 4, 5 and 6.

Environmental Liens and Deed Restrictions

BA Environmental was not supplied a copy of a Chain-of-Title for review nor was BA Environmental provided a copy of a review of the Chain-of-Title by the client. The EDR Radius Map report searched databases for Federal Superfund Liens, US Engineering Controls, US Institutional Controls, and Deed Restrictions. According to the EDR report, **no** Federal Superfund Liens, US Engineering Controls, US Institutional Controls, or Deed Restrictions exist for the subject site (EDR, 2007a).

INTERVIEWS

Various individuals were interviewed with regard to the subject property's current and past usages. Interviews were also conducted with regard to the presence of USTs, usage

and storage of hazardous materials, and the possibilities of any spills or unauthorized releases of hazardous materials on the subject property.

Mr. Tim Burkhart, Director of Maintenance and Engineering for Magic Mountain Theme Park, was interviewed with regard to the nursery (POI #125), located in the southern portion of the subject property. According to Mr. Burkhart, he has been associated with the Magic Mountain Theme Park for approximately 30 years. Mr. Burkhart indicated that the Magic Mountain Theme Park utilized this area for a nursery, and landscaping office and storage yard. Mr. Burkhart indicated that no USTs were or ever have been located on this parcel. According to Mr. Burkhart, one half of the nursery building (POI #125) was used as a landscaping office and storage, and the other half as a green house. Mr. Burkhart stated that the green house is rarely used since it was cheaper to obtain plants for the landscaping from a commercial supplier. According to Mr. Burkhart, pesticides and herbicides are stored in a room at the southwest corner of the nursery building. Mr. Burkhart stated that only non-regulated pesticides and herbicides are used in the park. Mr. Burkhart indicated that all pesticides and herbicides are mixed in this room, prior to distribution in the park. Mr. Burkhart also stated that small quantities of gasoline in cans are stored in this room for gas powered landscaping equipment. The only other hazardous materials located on this parcel, according to Mr. Burkhart, were muriatic acid and chlorine, in the form of bleach. This acid and bleach is stored in ASTs (POI #127) which are located within secondary containment. According to Mr. Burkhart, the acid and bleach are for treating the water within the pond and water rides of the park. Mr. Burkhart indicated that the acid and bleach is transferred into 5-gallon containers, which are used to distribute it throughout the park. A large propane tank (POI #129) was observed on the north side of the building. According to Mr. Burkhart, this propane tank is no longer in use. Mr. Burkhart indicated that this tank was formerly used to supply fuel to heat the green house. According to Mr. Burkhart, to the best of his knowledge, there are no wastewater clarifiers on-site. The grease interceptor services an on-site restaurant. According to Mr. Burkhart, no other significant quantities of hazardous materials are used or stored on-site, except for the pesticides, muriatic acid and bleach. Mr. Burkhart was unaware of any releases or spills of hazardous materials on the subject property. Mr. Burkhart was interviewed with regard to the former oil well (POI #109) located in the southern portion of the Magic Mountain Theme Park. BA Environmental originally believed this well could have existed on the Entrada development; however, Mr. Burkhart confirmed that this well was located on the park property. According to Mr. Burkhart, this well was located under the Roaring Rapids ride, beneath the pond. Mr. Burkhart indicated that this well was abandoned during the construction of the ride. The soil around the well was excavated to a depth of 40 feet bgs, and then was brought back up to the required depth. Mr. Burkhart stated that the well casing was cut off below the final grade and a steel cap welded on top of it. The quality of the answers obtained from Mr. Burkhart during the interview was judged to be excellent.

Mr. Robert Arriaga, Field Superintendent for Newhall Land & Farming, was interviewed with regard to the addresses 26950 Henry Mayo Drive, 27152 Henry Mayo Drive, 27228 Henry Mayo Drive, 28754 Castaic Canyon Road and 28758 Castaic Canyon Road. According to Mr. Arriaga, he has been with the subject site for approximately 23 years. Mr. Arriaga stated that 26950 Henry Mayo Drive was formerly occupied by a building which was Newhall Land & Farming's office. Mr. Arriaga indicated that after the building was demolished, this property was used for storage. Recently, Dynalectric used this property for storage. Dynalectric is an electrical contractor used by Newhall Land & Farming. Dynalectric recently vacated the property. Currently, Newhall Land & Farming uses this parcel for the storage of old pipe. Mr. Arriaga stated that 27152 Henry Mayo Drive is a vacant building. Mr. Arriaga indicated that this building was formerly

occupied by a welder. According to Mr. Arriaga, 27228 Henry Mayo Drive is used only for storage. This building was formerly Newhall Land & Farming's maintenance office. According to Mr. Arriaga, 28754 Castaic Canyon Road is used for the storage of erosion control equipment and electrical lighting equipment. Mr. Arriaga stated that 28758 Castaic Canyon Road is used as Newhall Land & Farming's field office. Mr. Arriaga indicated that to the best of his knowledge no USTs or wastewater clarifiers are located on-site. Mr. Arriaga was unaware of any releases or spills on the subject site. According to Mr. Arriaga, no significant quantities of hazardous materials are used or stored at any of the above addresses. Mr. Arriaga indicated that small quantities of household cleaners were located within the field office (28758 Castaic Canyon Road). The quality of the answers obtained from Mr. Arriaga during the interview was judged to be excellent.

Mr. Jaime Garcia, supervisor for Castaic Union School District, was interviewed with regard to 27051 Henry Mayo Drive. Mr. Garcia indicated that the School District used the subject property for a transportation and maintenance yard. Mr. Garcia indicated that to the best of his knowledge no wastewater clarifiers were located on-site. Mr. Garcia stated that there was one aboveground septic tank associated with the on-site trailer office. Mr. Garcia did not know if there was any previous septic system on-site. Mr. Garcia stated that to the best of his knowledge there are no USTs or ASTs, or associated generator or emergency generators located on-site. According to Mr. Garcia, no significant quantities of hazardous materials are used or stored on-site. Mr. Garcia was unaware of any releases or spills of hazardous materials on the subject. The quality of the answers obtained from Mr. Garcia during the interview was judged to be good.

Mr. Al Furman, owner of Al Furman Towing, was interviewed with regard to 28746 Castaic Canyon Road. According to Mr. Furman, he has been located at the subject site for approximately 15 years. Mr. Furman stated that formerly the subject property was an oil industry supply business. Mr. Furman indicated that currently no auto maintenance is conducted on-site except for maintenance of his fleet of tow trucks. Mr. Furman indicated that no USTs, ASTs, generators or wastewater clarifiers were located on-site. According to Mr. Furman, no significant quantities of hazardous materials are used or stored on-site. Mr. Furman was unaware of any releases or spills of hazardous materials on the subject property. Mr. Furman stated that he believed that the subject site was on a sewer system and that no septic tanks reside at the site. The quality of the answers obtained from Mr. Furman during the interview was judged to be fair to good.

Mr. Dan Enriquez, maintenance mechanic for Tri-R Trucking, was interviewed with regard to the subject addresses of 28748 and 28762 Castaic Canyon Road. According to Mr. Enriquez, he has been associated with the subject site for 8 years. Mr. Enriquez stated that the 28762 address is used for truck maintenance and the 28748 address is used for trailer storage. Mr. Enriquez indicated that to the best of his knowledge no USTs, ASTs, emergency generators or wastewater clarifiers were located on-site. According to Mr. Enriquez, no significant quantities of hazardous materials are used or stored on-site. Mr. Enriquez was unaware of any releases or spills of hazardous materials on the subject property. Mr. Enriquez stated that to the best of his knowledge there was no on-site septic system and believed that the site was connected to a sewer system. The quality of the answers obtained from Mr. Enriquez during the interview was judged to be good.

Mr. Steve Kennedy, owner of Kennedy Storage and U-Haul, was interviewed with regard to 28755, 28760 and 28769 Castaic Canyon Road. According to Mr. Kennedy, he has run a storage and U-Haul business on the subject site for 15 years. Mr. Kennedy stated that the 28755 property previously was used for a trucking company that specialized in hauling explosives. Mr. Kennedy stated that the 28769 property was used as a city street

maintenance lot prior to his acquisition. Mr. Kennedy stated that the 28760 property was used as either a machine shop or for light manufacturing prior to his acquisition. Mr. Kennedy stated that he believed that a small patch of property to the rear of 28769 was part of a septic system. Mr. Kennedy indicated that no USTs, ASTs, generators or wastewater clarifiers were located on the subject properties. According to Mr. Kennedy, no significant quantities of hazardous materials are used or stored on-site. Mr. Kennedy was unaware of any releases or spills of hazardous materials on the subject property. The quality of the answers obtained from Mr. Kennedy during the interview was judged to be fair to good.

Mr. Leo Cook., owner of BBB Industries, was interviewed with regard to 28756 Castaic Canyon Road. According to Mr. Cook, he has been associated with the subject site for 16 years. Mr. Cook indicated that to the best of his knowledge no USTs, ASTs, emergency generators or wastewater clarifiers were located on-site other than one propane AST located on the east side of the subject property. According to Mr. Cook, no significant quantities of hazardous materials are used or stored on-site in association with his business. Mr. Cook indicated that the drums and containers on the east side of the property were associated with Santa Clarita Concrete which used this portion of the property as storage. Mr. Cook was unaware of any releases or spills of hazardous materials on the subject property. Mr. Cook stated that the subject property was serviced by an on-site septic tank. The quality of the answers obtained from Mr. Cook during the interview was judged to be good.

SITE RECONNAISSANCE AND IMPROVEMENTS

Between January 17, 2007 and February 2, 2007, BA Environmental performed a visual reconnaissance of the 825-acre parcel of land known as the proposed Entrada development and identified as Tract Map VTTM 53295. The subject property is located in unincorporated county land, near the City of Valencia, California (Figures 1, 3, 4, 5and 6). Mr. Russell M. Cote and Mr. Richard O'Neil of BA Environmental performed the site reconnaissance, unescorted, or were escorted by various tenants.

The subject property is an irregularly shaped property bound to the north by State Highway 126, to the east by The Old Road (former State Highway 99), to the south by high voltage transmission lines, and to the west by low lying mountains. The subject site is known as the proposed Entrada development and is identified as Tract Map VTTM 53295. The subject property is located in unincorporated county land, near the City of Valencia, California. The subject property is predominantly occupied by undeveloped land, with some agricultural development and structures in the northern portion (Castaic Junction). The southern undeveloped portion was formerly occupied by oil field production. The central portion of the subject site is dissected, roughly east to west, by the Santa Clara River channel. The subject property consists of approximately 825 acres (gross) of land. Primary vehicular access is from Henry Mayo Drive to the north, The Old Road to the east, and several dirt roads to the south and west.

The proposed Entrada development is a planned community which includes residences, commercial and retail buildings, a school, a park and recreational areas (Figure 2).

The subject development, Entrada, consists of an approximate 825-acre parcel of land that has been historically utilized for agricultural usage (i.e., cultivated row and field crops), cattle ranching, residential usage, commercial usage and oil production. Numerous dirt, partially paved and paved roads traverse the subject site. The northern

portion of the subject property consists of a mixture of commercial properties and agricultural fields. The central portion includes the Santa Clara River channel. The western part of the central portion is used for agricultural fields and cattle grazing. The eastern part of the central portion of the subject site has recently been graded for commercial buildings. The southern portion of the subject site is predominantly vacant undeveloped land utilized for cattle grazing and oil production. Also included in the southern portion of the subject property is a small area which is used by the Magic Mountain Theme Park as a nursery. The Santa Clara River traverses the subject site generally from east to west. A small dry intermittent stream channel traverses the southern portion of the subject site from north to south. Undeveloped portions of the subject site are covered by native vegetation, including grasses, bushes and trees. Various indigenous animals, including mule deer, coyotes, jackrabbits, cottontail rabbits, skunk, opossums, various small mammals, rattlesnakes, various other reptiles and various birds, inhabit the undeveloped areas of the subject development.

Various indications of past and present usage were observed throughout the subject property. These visual indications included former well locations, cleared areas, exploration pads, pipeline markers, debris, cultivated areas, water wells, current structures, former sumps, etc. For cataloging purposes, each of these items was labeled as "Points of Interest" (POIs) and was assigned a number. Global Positioning System (GPS) coordinates were collected for each POI. POI numbers were also assigned to past evidence observed in historical documents (e.g., historical aerial photographs and historical topographic maps). The POIs are listed, with GPS coordinates, and described in Table 1. Locations of all of the POIs are shown in Figures 3, 4, 5 and 6.

Most of the development of the subject property by structures occurred in the northern portion of the subject site. Here, at least 30 structures are present or have historically existed. Of the 30 structures, 23 addresses have been identified in historical sources and information provided by Newhall Land. The following is a summary of the site addresses available:

27051 Henry Mayo Drive - This address is occupied by the Castaic Union School District which uses the property as a transportation and maintenance yard. The subject address is occupied by a single portable office trailer, a small storage shed and a shipping cargo container. Chain link fence defines and secures the property. One portable office trailer (POI #144) was observed on the subject site. This office trailer was observed to have one small poly septic tank associated with it (POI #203). No staining or leakage was observed around this tank. The office trailer was observed to be placed upon a portion of a former building foundation (POI #143). A storage shed was observed in front of the office trailer adjacent on the south side facing Henry Mayo Drive. BA Environmental did not have access to the storage shed on the day of the site reconnaissance. No staining was observed around the storage shed. Another portion of the building pad is used as a maintenance area for buses (POI #147). Four drums were noted in this area (POI #148). Two of the drums were noted to be in secondary containment and were observed to contain used motor oil. The other two drums were placed on pallets and not in secondary containment. These two drums were observed to contain used oil filters and Transcutol CG. No staining was observed beneath or adjacent to the observed drums. Within this same area, two trucks were noted to be associated with the service of the buses. One cargo shipping container was observed in the rear and center of the subject site. BA Environmental did not have access to the storage shed on the day of the site reconnaissance. No staining was observed around the shipping container. Three utility covers were observed in the dirt portion of the parking area to the north side of the office trailer (POI #s 145 & 146). None of the utility covers were

marked identifying what they were. One well was identified on-site located to the front of the subject property facing Henry Mayo Drive (POI #142). This well was observed to have an electric service and electric motor mounted on top. No markings identified its purpose or usage. Two suspect borings or historic utility locations were noted at the entrance of the subject site from Henry Mayo Drive. One was patched over (POI #202) with the other filled with dirt (POI #203). No evidence of illegal dumping or USTs was observed on-site.

28724 Castaic Canyon Road - This address (POI # 113) was formerly occupied by a Newhall Land & Farming Company residence. On the day of the site visit, the residence had been demolished and this parcel was a vacant lot covered by native vegetation and trees. A pile of concrete and brick debris was observed on-site. No visible evidence of hazardous materials, staining or illegal dumping was observed on-site. No evidence of UST was observed on-site. A septic tank system was likely formerly on-site, and removed at the time of the demolition.

28746 Castaic Canyon Road – This address (POI #170) is occupied by Al Furman Towing. The subject building is constructed of a steel frame with steel siding. The subject site is used as a tow and storage yard for Al Furman Towing. The office area contains shelves with numerous automotive related parts. In the shop area is an aboveground lift, numerous used auto parts, tires, hand tools, engines, transmissions, body parts, auto interior parts. Two 55-gallon drums were observed to contain waste oil and one 55-gallon drum contained new oil. No staining was observed beneath these drums. Minor staining was observed in areas of the shop in which discarded auto parts have been left for long periods of time. The storage yard was observed to have numerous cars, trucks, motorcycles, boats, tires and automotive batteries (POI #167). The majority of the storage yard is covered by either bare dirt or degraded asphalt. Minor to heavily-stained soil and asphalt was observed in the open areas of the lot (POI #s 168 and 169). In speaking to Mr. Furman about the subject property, he indicated that historically the subject site had been Republic Oil Well Supply. No evidence of illegal dumping or USTs was observed on-site.

28748 Castaic Canyon Road – This address is occupied by Tri-R Trucking. The subject site is occupied by open steel canopy truck maintenance area (POI #158), two mobile office trailers, and a steel storage shed used to store waste oil. The subject site is used for truck maintenance for Tri-R Trucking. The maintenance area contained one 55-gallon drum of oil, ten 5-gallon buckets of grease and oil, two 20-gallon grease drums, a shelf of numerous spray lubricants, spray cleaners and brake fluid, an air compressor, power and hand tools, one aqueous parts cleaner and a shelf of miscellaneous truck parts. Minor staining was observed upon the maintenance area floor. No major staining was observed with the vicinity of the drums of oil and grease. Minor staining was observed below the shelf of spray lubricants, spray cleaners and brake fluid. The used oil storage shed was observed to contain four drums of used oil in secondary containment and two drums of used oil filters not in secondary containment. Minor staining was observed on the asphalt ground of the storage shed and on the outside of the storage shed (POI #157). An interior enclosure at the opposite end of the maintenance shop contained one used oil AST that is no longer used, tires, rims, a stored automobile, empty unlabeled 55-gallon poly drums and stored mechanical equipment. Minor staining was observed on the asphalt within this enclosure. One concrete pad covered with asphalt was observed adjacent to the existing maintenance building on the west side (POI #157). No evidence of illegal dumping or USTs was observed on-site.

28754 Castaic Canyon Road – This address (POI #134) is occupied by a building used

by Newhall Land & Farming for storage of erosion control, K-rails and lighting equipment. Prior to Newhall Land & Farming using this building, it was used by Jenning Compound Bow for storage. During the site reconnaissance, no hazardous materials were observed within the subject building, and no visible evidence of USTs was observed in the storage yard. A portable light tower with a Wisperwatt generator was observed stored in the building. No staining was observed beneath the light tower. Also stored within the subject building was an Onan Genset 125 kW generator. This generator was observed to be stored and not in use. No staining was observed beneath the generator. No evidence of hazardous materials, staining, illegal dumping or USTs were observed on-site.

28755 & 28769 Castaic Canyon Road - The addresses are occupied by Kennedy Storage. The subject site is occupied by one portable office trailer (POI #171), one single-story barn style steel frame building, a single-story building and a small single-story building. Other improvements to the subject site include gravel covered dirt and tents for auto and boat storage. Vehicular access for the subject site is from Castaic Canyon Road to the east of the subject property. The single-story barn style steel building is constructed of steel frame covered by steel sheeting, built on a concrete slab on grade (POI #172). This building is used as boat storage with a small shop area observed to have an arc welder, hand tools, hardware and fishing poles. No staining was observed in the interior of the barn building. The property at 28769 Castaic Canyon Road is occupied by a U-Haul office. One small building of wood frame and stucco construction was reported to house computer equipment for the water company that was a previous tenant (POI #177). This building is currently being used as a rental tenant storage space. BA Environmental was not able to access this building on the day of the site visit. A maintenance area was observed to contain six 3-gallon containers of waste oil, numerous rusted 1-gallon paint containers with no identifiable markings, approximately seven tires and steel construction materials. No staining was observed beneath these containers or within this area (POI #172). Concrete pads were observed from previous structures in two locations on-site. These concrete pads are believed to have been associated with pole-mounted canopy structures (POI #s 174 & 176). One trash dumpster was observed in the central portion of the subject site. This dumpster was observed to contain non-hazardous paper and plastic wastes. No significant staining was observed on the dirt surface beneath the trash dumpster. Historical addresses of previously existing structures on the subject site were 28763 and 26950 Castaic Canyon Road. Mr. Kennedy stated that the subject property with the address of 28755 Castaic Canyon Road historically was a trucking company that specializes in transporting explosives. Mr. Kennedy stated that the subject property with the address of 28769 Castaic Canyon Road used to belong to the Valley Water Company and was used as a maintenance yard. No evidence of illegal dumping or USTs was observed on-site.

28756 Castaic Canyon Road – This address is occupied by BBB Industries and Santa Clarita Concrete. The subject site is occupied by a single-story office, wood fixture manufacturing and storage facility (POI #149). Other improvements to the subject site are asphalt parking to the front of the subject site and a concrete loading dock area on the east. The subject building is constructed of concrete masonry units (CMU) walls, built on a concrete slab on grade. In the concrete loading dock a sump was observed not to be functioning and filled with water (POI #131). This sump is connected to a separate pump that pumps water out of the sump and pit area to the parking lot. Then it is allowed to percolate into the dirt area or sheet flow into the street.

A mechanical shop was observed on the exterior as an addition to the existing structure. This area was observed to contain lathes, milling machines, metal sanders, grinders, hand

tools, arc welders, a parts cleaner and hardware. Two 55-gallon drums were observed in the shop area. One drum was labeled to contain oil (full). The second drum was labeled racing fuel (empty). Minor staining was observed beneath the drums. Approximately five 5-gallon buckets of machine oil, numerous spray cans of paint and spray lubricants were observed in the shop area. Minor amounts of staining were observed beneath the 5-gallon buckets of machine oil and minor staining beneath some of the spray lubricants. The parts cleaner did not have any odor associated with the cleaning solution used. Minor staining was observed to the back of the parts cleaner. Oil-stained concrete flooring was observed beneath the lathe and milling machine.

One paint booth was observed on the eastern side of the subject property (POI #152). The interior of the spray booth is accessed from the shop area. The spray booth contained three 20-gallon drums not identified with contents, numerous discarded mechanical auto parts, body parts and tires. Some heavy staining was observed in the corner adjacent to the three 20-gallon drums.

BBB Industries builds custom wood fixtures and occupies the majority of the warehouse space. The wood working area for BBB contains numerous wood working machines, stock material, hardware and glue. Within the wood working area no hazardous materials or staining was observed beneath any containers.

Santa Clarita Concrete stores equipment and supplies in the eastern portion of the warehouse. Observed in this area were hardware, pallets of 45-lb bags of #60 sand, concrete tooling and three 55-gallon drums containing non-hazardous "form oil" and resin used in concrete processes. No staining was observed beneath the 55-gallon drums.

On the exterior of the subject property to the east was one propane AST tank (POI #153). Within this area were numerous 5-gallon buckets with no labeled identification of contents, 1-gallon paint cans with no labeled identification of contents, steel forms, steel fasteners, scaffolding, hoses, pallets and miscellaneous other metal parts.

One gasoline can storage cabinet was observed in the eastern portion of the subject property (POI #152). This storage cabinet contained various sizes of gasoline containers with varying amounts of fuel within them. No apparent staining was observed in the storage container nor odors of fuel. Adjacent to the gasoline storage cabinet were seven 55-gallon drums. These drums were labeled "form oil", aqua resin cut cleaner and Burke Spectrum. The labels of these drums identified these products as VOC compliant and non-hazardous.

The northern section of the subject property is used as storage for Santa Clarita Concrete. Observed in this area are numerous trucks and trailers, a skip loader, two generators, tires (POI #155), scaffolding, wood, empty poly drums with no identification labels, two boats, steel forms and miscellaneous hardware, numerous unlabeled 5-gallon buckets (POI #156) and two drums labeled "form oil" (POI #154). No staining was observed beneath either of the 55-gallon drums or the unlabeled 5-gallon buckets; however, minor staining within this area from trucks leaking oil was observed on the ground.

28758 Castaic Canyon Road – This address (POI #132) is occupied by a Newhall Land & Farming field office which was formerly a company residence. A detached garage (POI # 133) is located to the rear of the residence. A portable office trailer was observed in front of POI # 132. On the day of the site reconnaissance, no hazardous materials or evidence of USTs were observed on this parcel. A small amount of household cleaners was observed in the bathroom and kitchen of POI #132. The detached garage was

observed only to contain files and empty ice chests. A septic tank system exists for this address and is likely located behind the former residence. No evidence of hazardous materials, staining, illegal dumping or USTs was observed on-site.

28760 Castaic Canyon Road - The subject address is occupied by Kennedy Storage. The subject site has no structures associated with it. The subject site is gravel-covered dirt and tents for auto and boat storage. One concrete pad was observed from a previous structure on-site (POI #182). No evidence of hazardous materials, staining, illegal dumping or USTs was observed on-site.

28762 Castaic Canyon Road – This address is occupied by Tri-R Trucking. The subject site is occupied by two portable office trailers (POI #161), two cargo containers and concrete pads. The subject site is used for truck trailer storage for Tri-R Trucking. The subject site is open space with a central concrete pad located generally in the center of the property (POI #165) and an adjacent smaller concrete pad to the west (POI #166). Two approximately 4-foot-wide and 140-foot-long concrete pads run generally east and west (POI #164) and generally north and south (POI #163) on the subject site. Two cargo shipping containers were observed in the northeast corner of the subject property. BA Environmental did not have access to these containers on the day of the site reconnaissance. One trash dumpster was observed in the central portion of the subject site. This dumpster was observed to contain non-hazardous paper and plastic wastes. No significant staining was observed on the dirt surface beneath the trash dumpster.

At the entrance of 28762 Castaic Canyon there was an 8-inch in diameter circular flush mounted box observed to be marked "fill box" (POI #159). This utility is in the street approximately 15 feet off of the fence line of the subject property and approximately in line with the east side of the entrance. The purpose of this utility is unknown.

28743 The Old Road - This address (POI #114) was formerly occupied by a restaurant (the Blue Moon Club). On the day of the site visit, this building had already been demolished and the land cleared. Only the asphalt of the parking lot was present. An unidentified concrete pad (POI #115) was observed just to the south of the location of the former restaurant building. No evidence of hazardous materials, staining, illegal dumping or USTs were observed on-site.

28805 The Old Road - This address (POI #66) was formerly occupied by a Chevron gasoline service station. This station had been demolished and cleared prior to the site reconnaissance. This parcel was observed to be cleared in the south and covered with low native vegetation in the north. A small concrete pad with a circular concrete patch (POI #65) was observed in the northern portion of this parcel, close to The Old Road. This concrete pad may have been the location of a former groundwater monitoring well associated with a groundwater investigation at this former gasoline service station. No evidence of hazardous materials, staining, illegal dumping or USTs were observed on-site.

26950 Henry Mayo Drive –This address (POI #135) has also had the addresses 27050 and 27102 Henry Mayo Drive associated with it. On the day of the site reconnaissance, this address was observed to be used as a storage yard. The former building had been demolished. A sign on the gate indicated that this site had been used by Dynalectric, which had used this parcel as a storage yard. Prior to the demolition of the former on-site building, this parcel had been the offices of Newhall Land & Farming. Prior to Newhall Land & Farming's occupation of this former building, BA Environmental believes that it may have been a Southern Pacific Railroad depot. Currently, this parcel is being used by

Newhall Land & Farming as a storage yard. No evidence of hazardous materials, staining, illegal dumping or USTs were observed on-site.

27152 Henry Mayo Drive – This address (POI #136) was occupied by a vacant steel building, which was reportedly occupied by a welder. Historically, this building was part of the Southern Pacific rail yard at Castaic Junction. No evidence of hazardous materials, staining, illegal dumping or USTs were observed on-site.

27204 Henry Mayo Drive – This address (POI #137) was formerly occupied by a structure which had been demolished. Only a concrete pad was observed in the location of the former structure. A 6' by 6' concrete pad with a 10" diameter vertical piece of pipe extending out of it was observed behind the former structure. No evidence of hazardous materials, staining, illegal dumping or USTs were observed on-site. This former structure likely had a septic tank system associated with it.

27228 Henry Mayo Drive – This address (POI #139) was occupied by a steel building. This building was formerly used as a Newhall Land & Farming maintenance office. Historically, this building was part of the Southern Pacific rail yard at Castaic Junction. On the day of the site visit, the building was mostly vacant except for some maintenance supplies, a boat, approximately 25 five-gallon buckets of household paint, approximately thirty 1-gallon cans of household paint, and approximately five 1-gallon and three 1-pint containers of paint thinners. No staining was observed on the floor beneath the containers. The yard outside of the building was observed to be used for storage of equipment and traffic control equipment. No evidence of hazardous materials, staining, illegal dumping or USTs were observed on-site. This former structure likely had a septic tank system associated with it.

In the northern portion of the subject site, several historical buildings (POI #s 76, 77, 81, 90, 110, 111, 192, 193 and 195) have existed on-site in which BA environmental could not identify addresses with the information readily available. During the site reconnaissance, either no visible evidence or only minor amounts of building material debris were observed in these areas.

Two other areas within the proposed development were observed to have single structures. The first was in the west part of the central portion of the subject site, just south of the Santa Clara River. This structure, POI #49, was observed on historical topographic maps and was likely a former residence associated with the Newhall Ranch. On the day of the site reconnaissance, small amounts of building material debris (i.e., concrete, ceramic tile, brick, wood, pipe, roofing material, etc.) and other normal household wastes were observed in this area.

The second structure (POI #125) is located in the southern portion of the subject site and is currently used by the Magic Mountain Theme Park as a nursery and landscaping office. The building was observed to have a metal frame and was covered by corrugated fiberglass panels. One half of the subject building is used as a green house, while the other is used as a landscaping office and storage. The western half of the building contained a small office, lockers, and storage rooms containing various landscaping equipment. A storage room at the southwest corner of the building was placarded and labeled as a pesticide storage room. Access to this room was not available on the day of the site reconnaissance. Peering through separations in the doors, the room was observed to contain various equipment, as well as pesticide and herbicide containers. Most of these containers were observed on shelves and appeared to be stored in an orderly manner. No staining was observed on the floor which was visible through the separation

in the doors. The eastern portion of the building was occupied by a green house which was for the most part empty. According to Mr. Tim Burkhart, the green house is rarely used now, since most plants used in the park are bought from a supplier rather than being raised on-site. The nursery/landscape office building is surrounded by a fenced storage yard. This storage yard was observed to have equipment, old plant pots, old polyethylene tanks, and other landscaping materials. On the day of the site visit, two empty 55-gallon steel drums (POI #126) were observed. Along the west side of the storage yard were muriatic acid and chlorine storage tanks (POI #127). The muriatic acid was observed to be stored in an approximate 400-gallon polyethylene AST, while the chlorine (in the form of bleach) was stored in an approximate 500-gallon AST. Both ASTs were observed within a concrete containment, separated by a wall. Some degradation of the containment was observed. According to Mr. Tim Burkhart, the acid and bleach are transferred into 5-gallon containers and then transported to where they are needed in the park. Mr. Tim Burkhart indicated that the acid and bleach are used in the park's pond and water rides. Numerous empty 5-gallon containers were observed around the containment, and degraded concrete was observed near the fill spigots. Also observed within the storage yard was a tool shed (POI #128) which contained hand tools, and a propane tank (POI #129). According to Mr. Tim Burkhart, the propane tank is no longer used, but formerly supplied propane for heaters for the green house.

Two areas of the subject site are currently occupied by agricultural fields. Various stand pipes and irrigations pipes were observed within the fields. One agricultural area is in the northern portion of the subject site and the other is in the western part of the central portion of the subject site. Soil samples were collected in the western part of the northern portion of the subject site. The samples were analyzed for pesticides and herbicides. The results of the sampling are provided in the Soil Sampling for Pesticides and Herbicides Section below. In 2006, soil samples were collected from the western part of the central portion of the subject site. The results of the samples are summarized in the Previous Environmental Reports section above. Historically, the eastern part of the central portion of the subject site was used for agricultural purposes. This area has recently been graded into commercial building pads, and the original grade is under several feet of fill.

On the day of the site reconnaissance, three production water wells (POI #s 60, 96 and 142) were observed in the northern portion of the subject site. These wells appeared to be irrigation wells. All had surface pumps. Oil staining was observed around the base of each of the pump units. The remnants of one abandoned irrigation well (POI #121) were observed in the central portion of the subject site. Only some concrete debris and steel pipes remain at the location of the former water well.

During the site reconnaissance, an approximate 10- to 12-inch diameter vertical steel casing (POI #55) was observed within the Santa Clara River channel, in the central portion of the subject site. This casing is believed to be a former well; however, it could not be determined in the field if this was a former water well or a former oil well. An approximate 6-inch diameter pipe was observed next to the vertical casing. Four 2-inch diameter groundwater monitoring wells (POI #s 68, 69, 71 and 74) and one 1-inch diameter groundwater monitoring well (POI # 112) were observed in the northern portion of the subject property. Five 2-inch diameter groundwater monitoring wells (POI #s 52, 53, 54 and 108) were observed in the west part of the central portion of the subject property. One 2-inch diameter groundwater monitoring well (POI #s 130) was observed in the east part of the central portion of the subject property. According to Newhall Land personnel, these wells are utilized for groundwater elevation data used for engineering purposes as part of the planned construction of the development.

Two ASTs were observed in the southern portion of the subject site. These ASTs included an approximate 4,000-gallon polyethylene tank (POI #46) and an approximate 3,000-gallon polyethylene tank (POI #47). Both tanks appeared to contain water, and were likely for fire suppression.

Two catch basins or settling basins were observed on the subject site. One was located in the northern portion of the subject site (POI #105), and was concrete lined. The other was located in the southern portion (POI #24). This settling basin had a dirt floor and concrete walls. No staining or evidence of illegal dumping was observed in either basin. In the southern basin (POI #24), an octagonal concrete slab (POI #25) was observed. This slab appeared to be used for erosion control. The pad appeared to have had the outline of a former tank and appeared to have crude oil staining. It is possible that this concrete slab was left over from the removal of the former Tank Battery 8 (POI #27).

During the site reconnaissance, a large area in the southern portion of the subject site, bordering the southwestern portion of the Magic Mountain Theme Park, was observed to be devoid of vegetation. Scattered pyrotechnic debris (POI #7) was observed throughout this area. This debris is from firework displays put on by the Magic Mountain Theme Park.

Observed in the southern portion of the subject property was what appeared to be an area of possible land-filling (POI #s 9 and 10). Scattered debris and wastes observed in this area included concrete debris, cementitious pipe, steel pipe, wood debris, plastic bottles, glass fragments, an old shoe and plastic pipe. Observed just to the east of this was a pile of wood beams/posts and chicken wire (POI #8).

On the day of the site reconnaissance, the eastern part of the central portion of the subject site was observed to have been graded for new construction. Reportedly, this area is planned for commercial development. No structures were observed on this site. No evidence of staining or illegal dumping was observed in this portion of the subject site. A pile of concrete debris (POI #122) was observed in this area.

Historically, the west part of the central portion of the subject site and the southern portion of the subject site have been used for oil production. One oil well marker for NL&F 69 (POI #50) was observed on-site in the western part of the central portion of the subject site. Some concrete and steel debris was observed around the marker. No oil staining was observed in this area.

During the site reconnaissance, cleared oil well pads (POI #s 1, 16, 21, 28, 31, 33, 36, 39, 43 and 45) with steel well markers were observed in the southern portion of the subject site. Most of the well pads were observed to have some concrete and steel debris around their peripheries. Some asphaltic sand, tar clumps and/or oil staining was observed around the well pads of POI #s 1, 16, 21, 28, 31, 39 and 43. The amounts of asphaltic sand, tar clumps and/or oil staining ranged from just scattered amounts to moderate amounts in the upper few inches. Two oil well locations (POI #123 and 124) in the southern portion of the subject property had no visible field evidence.

Two tank batteries, Tank Battery # 5 (POI #s 12 and 15) and Tank Battery #8 (POI #27) historically existed in the southern portion of the subject site. These tank batteries were decommissioned in the mid 1990s. On the day of the site reconnaissance, scattered concrete, wood and metal debris was observed in the areas of POI #s 12, 15 and 27. Some asphaltic sand and tar clumps (POI #13) were observed in the area of Tank Battery 5 (POI # 12).

Historically, one identified sump (POI #17) and the suspect sumps (POI #s 2, 29 and 30) were observed in historical aerial photographs. On the day of the site visit, the sump at POI #17 appeared to be a cleared pad. No staining was observed. The suspect sump POI #29 also appeared as a cleared pad with no visible staining. The other two suspect sumps, POI #s 2 and 30, also appeared as cleared pads. Oil staining and asphaltic sands were observed at both of these locations.

Several flattened areas (POI #s 31, 37, 38, 41, 44 and 197) were observed in the southern portion of the subject site. These flattened areas may have been associated with past oil field or drilling activities.

Two areas of staining or asphaltic sands (POI #s 23 and 35) were observed in roadways. This impacted material was likely due to the oiling of the dirt roads when the oil field was active. Other areas such as this may exist buried beneath the shallow surface.

Numerous pipelines are located on or adjacent to the subject site. A review of available documents and the site reconnaissance revealed that at least two Shell Oil petroleum pipelines, one 4-inch and two 6-inch Mobile Oil petroleum pipelines (all abandoned), one Equilon Petroleum pipeline, one Exxon petroleum pipeline and one Southern California Gas pipeline traverse the northern part of the subject property or along Henry Mayo Drive. Past observation of the subject site revealed Underground Services Alert markings on the road, indicating underground pipelines were located between approximately 3 feet and 153 feet south of The Old Road and running parallel to The Old Road. These pipelines included a 6-inch Mobil Oil pipeline approximately 3 feet south of The Old Road, a 12-inch high pressure gas pipeline and a 10-inch Flexismer pipeline approximately 28.5 feet south of The Old Road, a 6-inch Mobil Oil pipeline approximately 42 feet south of The Old Road, an 8-inch Epsilon Oil pipeline approximately 137 feet south of The Old Road, and a 10-inch Mobil Oil pipeline approximately 153 feet south of The Old Road. There is also an 8-inch Shell Oil pipeline that is also located south of The Old Road (BA Environmental, 2004). During the 2007 site reconnaissance, pipeline markers were also observed on the subject property, along The Old Road for Pacific Pipeline, Shell Oil and Texaco. One 16-inch Mobile Oil petroleum pipeline was reportedly in the southbound lane of The Old Road. A second 16-inch Mobile Oil pipeline was reported abandoned along the east side of The Old Road. Finally, an unidentified petroleum pipeline was also reported to run along the east side of The Old Road. It is also likely that smaller diameter pipelines may be present in the southern portion of the subject property, associated with past oil field operations.

Stormwater either sheet flows across the subject property into small intermittent streams, which flow into the Santa Clara River channel, or naturally percolates into the soil.

No visible evidence of spills or ponded liquids was observed during the site reconnaissance. No corroded or degraded metal or concrete surfaces were observed. No unusual odors were detected inside or outside of the subject building on the day of the site reconnaissance.

No areas of stained soil, or significantly stained asphalt or concrete, or distressed or discolored vegetation were observed on-site during the site reconnaissance, other than those described above.

BA Environmental did not observe issues of environmental concern, such as significantly stained pavement or concrete floors, USTs, ASTs, floor drains, waste water clarifiers, or

hazardous materials usage or storage, at the subject property, other than those described above.

Pits, Ponds and Lagoons

Pits, ponds and lagoons are often associated with the disposal of solid and liquid wastes, which may include hazardous materials. According to ASTM Standard E1527-05, pits, ponds and lagoons are "man-made or natural depressions in the ground surface that are likely to hold liquid or sludge containing hazardous substances or petroleum products." Information obtained from the assessment indicated that pits, ponds and lagoons do not currently exist, or have ever existed on the subject site or any of the adjacent properties.

Two settling basins were observed on-site. One is located in the northern portion of the subject site (POI #105) and one in the southern portion of the subject property (POI #24). POI #105 was observed to be a concrete lined basin, while POI #24 was observed to have concrete walls and a dirt floor. No visible evidence of staining or illegal dumping was observed in either basin.

Septic Tanks and Cesspools

Septic tanks and cesspools are often associated with the disposal of wastewater from structures that are not served by public sewer systems. Septic tanks and cesspools may be associated with hazardous materials, if such materials have been inappropriately disposed of in the past via sinks. All of the buildings located on the subject site (past and present) have or have had septic tank systems. Buildings currently on-site have active septic tank systems. Buildings which have been demolished have likely had their septic tanks removed. Any septic tank still located on the property encountered during grading activities should be removed.

Wells, Cisterns and Sumps

Eleven small-diameter groundwater monitoring wells (1 to 2 inches) were observed on the subject property (POI #s 52, 53, 54, 56, 68, 69, 71, 74, 108, 112 and 130). According to Newhall Land personnel, these wells are utilized for groundwater elevation data used for engineering purposes as part of the planned construction of the development. Additionally, another possible location of a former groundwater monitoring well associated with a former gasoline service station is located at POI #65. Locations of these groundwater monitoring wells are provided in Table 1 and shown in Figures 3 and 5.

Three active production water wells (POI #s 60, 96 and 142) were observed in the northern portion of the subject site. One former water production well (POI #121) was observed in the central portion of the subject site. On the day of the site reconnaissance, only concrete debris and some steel piping remains at this former well site. The location of this water well is provided in Table 1 and shown in Figures 3, 4 and 5.

During the site reconnaissance, an approximate 10- to 12-inch diameter vertical steel casing (POI #55) was observed within the Santa Clara River channel, in the central portion of the subject site. This casing is believed to be a former well; however, it could not be determined in the field if this was a former water well or a former oil well.

DOGGR has no records of an oil well at this location. The location of this suspect well is provided in Table 1 and shown in Figure 5.

The Entrada development is located in the northeastern-most portion of the Castaic Junction Oil Field. Approximately 13 production oil wells (POI #01, 16, 21, 28, 31, 33, 36, 39, 43, 45, 50, 123 and 124) were formerly located on the subject development. The wells' locations were identified by DOGGR records, historical documents and/or the site reconnaissance. The locations of most of the former oil wells are currently marked by a yellow painted steel pipe driven into the ground. The well number is welded into the side of the pipe. It appears that most of the former on-site oil production wells were abandoned under the supervision of DOGGR. See the Agency Contacts section below. Other exploratory wells, which may have been drilled and then abandoned, may have existed on-site. Three other possible well locations were observed in historical documents. POI #s 26 and 188 were locations reported on historical topographic maps as being an oil well location. Some type of equipment was observed in this area in the 1968 aerial photograph. The second suspect location is POI #197. Some type of structure with some darkened staining on a flattened dirt pad was observed in this area in the 1968 aerial photograph. There are no records of these three possible well locations in the DOGGR files. Locations of the former oil production wells are provided in Table 1 and shown in Figures 5 and 6.

A review of historical aerial photographs revealed the locations of several old or possible oil sumps (POI #s 3, 17, 29 and 30) related to past oil production on the subject site. A review of historical aerial photographs revealed that a small dark area (POI #197), possibly oil field equipment or a former production sump, was observed in the 1968 photograph. During the site reconnaissance, oil staining was observed in the area of POI #s 3 and 30. There are no indications that any of these suspect sumps have been remediated. A previous environmental report indicated that what appeared to be drilling mud was encountered during the assessment of the former Tank Battery #8 (POI #27). The presence of this drilling mud indicated that this may have been the location of a former sump. There was no indication in the previous report indicating that the materials identified as drilling mud were excavated and removed from the subject site. Other smaller sumps or vaults may have been related to the former Tank Batteries #5 and #8. Other sumps related to the drilling of on-site oil wells may also have existed on-site. The locations of suspect oil sumps are provided in Table 1 and are shown in Figure 6.

During the site reconnaissance, a small sump (POI #151) was observed within the loading dock. This sump collects stormwater run-off, where it is then pumped onto the parking area, where it then sheet flows to the street.

No grease interceptors were observed on the subject site. POI #114 was the former location of a restaurant. Restaurants typically have grease interceptors to prevent cooking oil and grease from entering the sanitary sewer system. It is not known if the restaurant formerly located at POI #114 had a grease interceptor or, if it did, whether it has been removed.

Historically, a gasoline service station (POI #66) was formerly located on the subject site. This former gasoline service station likely had a wastewater clarifier. The service station was demolished and remediated in the late 1990s. Any wastewater clarifier present would have been removed during the demolition activities.

A review of LACDPW files revealed that a wastewater discharge permit was on-file for Jennings Compound Bow and later Western Energy Sciences, located at 28760 Castaic

Canyon Road. According to the file, one wastewater clarifier (interceptor) with a leach field was located at the subject address. This interceptor was a 1,250-gallon, 3-stage interceptor. The interceptor was located in front of the on-site building. Also associated with Jennings Compound Bow was a separator, which was located at the southeast corner of the spray paint booth at 28756 Castaic Canyon Road, which was part of Jennings Compound Bows. The separator and interceptor were used to separate paint from paint wash water generated on-site.

Polychlorinated Biphenyls (PCBs)

Federal regulations put into effect following the Toxic Substance Control Act (TSCA) require that electrical transformers be labeled to identify their PCB content. The manufacture and distribution of PCBs was banned in 1979. A total of 19 pole-mounted electrical transformers were observed in ten locations on-site. Locations of the on-site electrical transformers are provided in Table 2 and shown in Figures 3, 4, 5, and 6. Sixteen of the transformers appeared to be of relatively recent manufacture. The remaining three appeared to be of an older design. No staining was observed on the exteriors or on the ground surface beneath the transformers, except the transformer at location ET5. Minor staining was noted on the exterior of the transformer at ET5; however, no visible staining was noted on the ground surface beneath it. The transformers are likely owned and operated by Southern California Edison Company (SCE). SCE would be responsible for all maintenance and environmental conditions regarding the on-site transformers. PCB-containing transformers have not been manufactured since 1977. Based on visual observations, it is possible that the older looking transformers may contain PCB insulating oil.

Fluorescent lighting was observed in a number of the buildings located in the northern portion of the subject property. Fluorescent ballasts containing PCBs have not been manufactured since the late 1970s, and have a maximum life expectancy of 15 years. None of the light ballasts were inspected up-close; however, at a distance most appeared to be of new manufacture, with a few which appeared to be of older manufacture. Based on the date of construction of the buildings located on-site (all prior to 1970), there is a low to moderate potential for the light fixtures to contain PCBs. BA Environmental did not observe other equipment on-site likely to contain PCBs.

On-Site Storage Tanks

No evidence for the presence of present day on-site fuel storage tanks, such as fuel dispensers, fill ports, aboveground vents or piping, was observed during the site reconnaissance. According to the Los Angeles County Department of Public Works, Environmental Programs, and the State of California Department of Water Resources, USTs are not currently present on the subject site.

Seven on-site addresses, 27230 Henry Mayo Drive, 28748 Castaic Canyon Road, 28760 Castaic Canyon Road, 28762 Castaic Canyon Road, 28769 Castaic Canyon Road, 28756 Castaic Canyon Road and 28805 The Old Road, 28748, were reported to formerly have USTs. 27230 Henry Mayo Drive was reported to have had one 4,000-gallon and one 10,000-gallon UST removed in 1989. Closure from the LACDPW for these USTs was issued in 1990. 28748 Castaic Canyon Road was reported to have had one 10,000-gallon UST which was removed in 1989. Closure from the LACDPW for this UST was issued in 1994. 28760 Castaic Canyon Road was reported to have had one 500-gallon UST

which was removed in 1989. Closure from the LACDPW for this UST was issued in 1989. 28762 Castaic Canyon Road was reported to have had one 1,000-gallon UST and one 7,500-gallon UST which were removed in 1993. Closure from the LACDPW for these USTs was issued in 1993. 28769 Castaic Canyon Road was reported to have had one 500-gallon UST which was removed in 1989. Closure from the LACDPW for this UST was issued in 1989. 28805 The Old Road was reported to have had one 5,000-gallon UST, one 6,500-gallon UST, one 8,000-gallon UST and one 10,000-gallon UST, all of which were removed around 1994. Closure from the RWQCB for these USTs was issued in 1999. A letter from Chevron indicated that a waste oil UST associated with the service station was removed in 1988. Documents also revealed that 28805 The Old Road formerly had four 1,000-gallon USTs (POI #205). According to a 1994 site plan, these USTs had been abandoned in-place by filling them with sand. The date of the abandonment is not known. A review of LACDPW files did not indicate if these abandoned in-place USTs were removed at a later date. For a detailed description of these USTs, see the Previous Reports section above, or the Agency Contacts section below. According to building department records, a 9,940-gallon underground diesel tank and a pump was installed at 28756 Castaic Road in 1974. There were no records found for this address at the Los Angeles County Department of Public Works, Environmental Programs (LACDPW) regarding this tank or its removal. Visual evidence of this UST and dispenser were not observed on the day of the site reconnaissance. It is unknown if this UST was ever removed from the subject site.

A review of building department permits revealed that, in 1971, a structure for gasoline storage was constructed or installed at 27152 W. Saugus Road (Henry Mayo Road). The permit did not indicate whether this was an aboveground structure or a belowground tank. There were no records at the LACDPW regarding this structure.

On the day of the site reconnaissance, a flush mounted box (POI #159) was observed in the Castaic Canyon Road, in front of 28762 Castaic Canyon Road. This box was embossed with the words “Fill Box.” These types of fill boxes are generally associated with USTs. Approximately 5 to 10 feet east of the “Fill Box,” cracking in the asphalt road, in an unusual oval pattern, was observed.

Two tank batteries, Tank Battery #5 (POI #s 12 and 15) and Tank battery #8 (POI #27) related to oil field production, were formerly located on-site. These tank batteries were reported to have several ASTs associated with each battery. These tank batteries were decommissioned in 1995 and 1996. At this time, all of the ASTs were removed. For a detailed description of these tank batteries, see the Previous Reports section above.

A total of seven ASTs are currently located on-site. One 3,000-gallon AST (POI #47) and one 4,000-gallon AST (POI #46) is present in the southern portion of the subject site. These ASTs were observed to contain water, and are likely for fire suppression.

On the day of the site visit, an AST was observed stored within the building located at 28762 Castaic Canyon Road. It was reported that this AST was formerly used to store waste oil; however, it is no longer used. Presently, this AST is only being stored on-site.

A propane tank was observed at 28756 Castaic Canyon Road, in the area of POI #153. In addition, a propane AST (POI #129) was observed at the Magic Mountain Theme Park nursery.

Along the west side of the storage yard were muriatic acid and chlorine storage tanks (POI #127). The muriatic acid was observed to be stored in an approximate 400-gallon

polyethylene AST, while the chlorine (in the form of bleach) was stored in an approximate 500-gallon AST. Both ASTs were observed within a concrete containment, separated by a wall. Some degradation of the containment was observed.

Pipelines

Numerous pipelines are located on or adjacent to the subject site. A review of available documents and the site reconnaissance revealed that at least two Shell Oil petroleum pipelines, one 4-inch and two 6-inch Mobile Oil petroleum pipelines (all abandoned), one Equilon Petroleum pipeline, one Exxon petroleum pipeline and one Southern California Gas pipeline traverse the northern part of the subject property or along Henry Mayo Drive. Past observation of the subject site revealed Underground Services Alert markings on the road, indicating underground pipelines were located between approximately 3 feet and 153 feet south of The Old Road and running parallel to The Old Road. These pipelines included a 6-inch Mobil Oil pipeline approximately 3 feet south of The Old Road, a 12-inch high pressure gas pipeline and a 10-inch Flexismer pipeline approximately 28.5 feet south of The Old Road, a 6-inch Mobil Oil pipeline approximately 42 feet south of The Old Road, an 8-inch Epsilon Oil pipeline approximately 137 feet south of The Old Road, and a 10-inch Mobil Oil pipeline approximately 153 feet south of The Old Road. There is also an 8-inch Shell Oil pipeline that is also located south of The Old Road (BA Environmental, 2004). During the 2007 site reconnaissance, pipeline markers were also observed on the subject property, along The Old Road for Pacific Pipeline, Shell Oil and Texaco. One 16-inch Mobile Oil petroleum pipeline was reportedly in the southbound lane of The Old Road. A second 16-inch Mobile Oil pipeline was reported abandoned along the east side of The Old Road. Finally, an unidentified petroleum pipeline was also reported to run along the east side of The Old Road. It is also likely that smaller diameter pipelines may be present in the southern portion of the subject property, associated with past oil field operations. Locations of these pipelines are depicted in Figures 3, 4, 5 and 6.

Utilities

Electric service is provided by Southern California Edison (SCE). Natural gas services are provided by the Southern California Gas Company (SCG). Water service is currently provided by the Newhall Land production wells or by the Valencia Water Company. No sanitary sewer services are provided to the subject site, as all on-site buildings have septic tank systems.

Drinking Water

Municipal water service is supplied by the City Valencia Water Company, which obtains approximately 50% of its water from the Castaic Lake Water Agency and the other 50% from shallow groundwater aquifers. According to the Santa Clarita Valley 2005 Annual Water Quality Report, there are no MCL violations, and the drinking water supplied by this municipal supplier meets all drinking water standards. A copy of the Santa Clarita Valley 2005 Annual Water Quality Report for the Valencia municipal water system is included in Appendix G.

ADJACENT LAND USE

During the reconnaissance of the surrounding area within a 0.25-mile radius, BA Environmental observed that the subject site is located in an area of agricultural, vacant, residential, commercial and retail properties.

Adjacent properties to the north include Henry Mayo Drive followed by Schwartz Oil Company, Los Angeles County Fire Department Station 76, and RM Pyle Boys Camp offices, or portions of State Highway 126. Adjacent to the east is predominantly The Old Road followed by the California Highway Patrol facility, the Verizon facility, a Cal Trans maintenance yard, a hotel, five restaurants, and directly adjacent is a county water treatment facility and a Chevron gasoline service station. Adjacent to the south are a golf course, single-family residences and vacant undeveloped land. Adjacent to the west is predominantly vacant undeveloped land, with a small portion adjacent to the Magic Mountain Theme Park. The Magic Mountain Theme Park formerly had a gasoline station along its eastern property boundary. This station no longer exists. As this site is to the west of the subject site (down-gradient), it poses a low environmental threat to the subject site.

AGENCY CONTACTS

California Department of Conservation, Division of Oil, Gas and Geothermal Resources (DOGGR)

BA Environmental visited the office of the DOGGR regarding oil well abandonment records for the subject site. The review of well abandonment records revealed that 13 oil wells were drilled on the subject property. Former oil well locations are provided in Table 3 and shown in Figures 5 and 6. A number of other oil wells (including Exxon-Mobil Corporation wells NL&F #s 30, 49, 60, 61, 62, 73, 74 and 75, Chevron USA Inc. NL&F 6, Texaco E&P Inc. Newhall F-1, and Quintana Petroleum Corp. NL&F Valencia 1) were located within 500 feet of the subject property; however, DOGGR files were not reviewed for these wells. Well records obtained from the DOGGR are included as Appendix H.

Table 3
Oil Wells Located on Subject Site

Section	Township	Range	Operator	Well No.	POI #	Year Abandoned
18	4 North	16 West	Exxon	'NHL&F' 69	50	1988
19	4 North	16 West	Exxon	'NHL&F' 31	16	1994
19	4 North	16 West	Exxon	'NHL&F' 35	1	1986
19	4 North	16 West	Exxon	'NHL&F' 36	45	1994
19	4 North	16 West	Exxon	'NHL&F' 37	31	1978
19	4 North	16 West	Exxon	'NHL&F' 38	33	1992
19	4 North	16 West	Exxon	'NHL&F' 43	36	1995

19	4 North	16 West	Exxon	'NHL&F' 44	43	1990
19	4 North	16 West	Exxon	'NHL&F' 47	28	1993
19	4 North	16 West	Exxon	'NHL&F' 48	21	1992
19	4 North	16 West	Exxon	'NHL&F' 51	39	1995
20	4 North	16 West	Deklab Energy	'NHL&F Co.' 1	123	Unknown
20	4 North	16 West	Ivanhoe Energy USA	'NHL&F' Magic Mountain 1	124	2001

In addition, two oil well locations (POI #s 26 and 188) were depicted on historical topographic maps, but no DOGGR records were found for wells at these locations. DOGGR also supplied requirements for well abandonment procedures. A copy of the DOGGR oil well abandonment procedures is included in Appendix I. BA Environmental spoke with Mr. Steve Mulqueen regarding well abandonment. According to Mr. Mulqueen, the abandoned oil wells need to be located and plotted on the site plan for the project and submitted in triplicate to the DOGGR. Locating the wells is accomplished by hiring a surveyor to locate each well, using "location record" for each well. After this is accomplished, the well needs to be excavated. Following excavation, the well needs to be tested for gas leakage and inspected for fluid leakage by DOGGR personnel. If the well leaks or is not abandoned properly, the well may need to be re-abandoned. If fill soil is to be placed over the oil well, the casing may need to be extended to within 5 feet of finished grade. If the well is located within an area planned to be excavated, the well will need to be re-abandoned and the casing cut 5 feet below grade. If a structure is proposed within 10 feet of an abandoned/re-abandoned well, the site plans should include an approved well-vent system designed to vent natural gases to the atmosphere. If a structure is within 25 feet of an abandoned/re-abandoned well, and the permitting agency is Los Angeles County, then an approval letter would be required.

Los Angeles County Department of Public Works, Environmental Programs (LACDPW)

BA Environmental visited the office of the LACDPW on February 26, 2007 regarding USTs, hazardous materials storage and hazardous materials permits for the subject property. A review of the LACDPW files revealed files for 27230 Henry Mayo Drive, 28748 Castaic Canyon Road, 28760 Castaic Canyon Road, 28762 Castaic Canyon Road, 28769 Castaic Canyon Road and 28805 The Old Road. The following is a summary of those reviews:

27230 Henry Mayo Road

In March of 1989, two USTs were removed from the subject address, which was formerly part of a railroad yard. One of the tanks was reported to be of steel construction, and had a capacity of approximately 4,000 gallons. This tank was reported to have been installed 30-plus years ago and had last been used to store diesel fuel. The second tank was also of steel construction, and had a capacity of approximately 10,000 gallons. This tank was reported to have been installed 30-plus years ago and had last been used to store gasoline. Soil samples collected beneath the USTs were reported not to contain detectable

concentrations of TPH or BTEX compounds. On January 10, 1990, the LACDPW issued a Closure Certificate with regard to the removed USTs. A copy of the complete LACDPW file, including the closure letter is included in Appendix J.

28748 Castaic Canyon Road

In November of 1989, one UST was removed from the subject address. This tank was reported to be of steel construction, and had a capacity of approximately 10,000 gallons. This tank was reported to have last been used to store diesel fuel. Soil samples collected beneath the UST were reported to contain detectable concentrations of TPH-diesel. In January of 1991, a soil boring was drilled to a depth of 40 feet bgs and converted into a groundwater monitoring well. Detectable concentrations of TPH were reported in soil samples collected from 5 to 20 feet bgs. The groundwater collected from the completed monitoring wells was reported not to contain detectable concentrations of TPH. In February of 1991, another groundwater sample was collected from the on-site monitoring well. This sample was also reported not to contain detectable concentrations of TPH. In April of 1992, prior to remedial work, a groundwater sample was collected from the on-site monitoring well. This sample was reported not to contain detectable concentrations of TPH. In April and May of 1992, approximately 67 tons (45 cubic yards) of diesel fuel impacted soil were excavated and transported off-site for disposal. Confirmation soil samples collected from the excavation were reported not to contain detectable concentrations of TPH. In May of 1992, after remedial work, a groundwater sample was collected from the on-site monitoring well. This sample was reported not to contain detectable concentrations of TPH. Groundwater samples were again collected from the on-site groundwater monitoring well in July and October of 1993. Both of these samples were reported not to contain detectable concentrations of TPH. On October 11, 1994, the LACDPW issued a Closure Certificate with regard to the removed UST. A copy of the complete LACDPW file, including the closure letter, is included in Appendix J.

28760 Castaic Canyon Road

In March of 1989, one UST was removed from the subject address, which was occupied by Stockdale Building Materials. The tank was of steel construction, and had a capacity of approximately 500 gallons. This tank was reported to have been installed 30-plus years ago and, according to the report, had last been used to store gasoline. The sample which was collected at a depth of 9 feet bgs, beneath the invert of the tank, was reported not to contain detectable concentrations of TPH or BTEX compounds. Based on our review of this report, BA Environmental believes that the address for this UST removal is incorrect, and that the correct address should be 28769 Castaic Canyon Road. On July 18, 1989, the LACDPW issued a Closure Certificate with regard to the removed UST.

A review of LACDPW files revealed that a wastewater discharge permit was on-file for Jennings Compound Bow and later Western Energy Sciences, located at 28760 Castaic Canyon Road. According to the file, one wastewater clarifier (interceptor) with a leach field was located at the subject address. This interceptor was a 1,250-gallon, 3-stage interceptor. The interceptor was located in front of the on-site building. Also associated with Jennings Compound Bow was a separator, which was located at the southeast corner of the spray paint booth at 28756 Castaic Canyon Road, which was part of Jennings Compound Bows. The separator and interceptor were used to separate paint from paint wash water generated on-site. A 1985 inspection report revealed that a notice was issued to Jennings Compound Bow for discharging paint wash water to the ground at 28756 Castaic Canyon Road. According to the file, a notice was sent to Cal-Ply in 1988 to abandon the interceptor.

A copy of the complete LACDPW file, including the closure letter, is included in Appendix J.

28762 Castaic Canyon Road

In January of 1993, two USTs were removed from the subject address. The tanks were of steel construction, and had capacities of approximately 1,000 gallons and 7,500 gallons. Both tanks were reported to have contained diesel fuel. During the excavation of the tanks, a petroleum odor was detected coming from the excavation and visible soil contamination was observed in the soil around the base of the 1,000-gallon UST. Two samples were collected beneath the 1,000-gallon UST in the area of visible contamination. One sample was collected at 1 foot beneath the invert of the tank, and the other was collected at 5 feet beneath the invert of the tank. Two samples were collected from 1 foot beneath the invert of the 7,500-gallon UST, one from beneath each end of the tank. Both samples collected beneath the 7,500-gallon UST were reported not to contain detectable concentrations of TPH or BTEX compounds. The soil sample collected 1 foot beneath the invert of the 1,000-gallon UST was reported to contain concentration of TPH at 15,000 ppm, ethlybenzene at 0.46 ppm and xylene at 3.9 ppm. The sample collected at 5 feet beneath the invert of the 1,000-gallon tank, directly beneath the 1-foot sample, was reported not to contain detectable concentrations of TPH or BTEX compounds. Subsequent to the removal of the USTs, the excavation was over-excavated in the area of the soil sample collected beneath the 1,000-gallon UST, to a depth of 5 feet beneath the invert of the tank. Approximately 59.63 tons of impacted soil was excavated and transported off-site to TPS for recycling. On April 8, 1993, the LACDPW issued a Closure Certificate with regard to the removed UST. A copy of the complete LACDPW file, including the closure letter, is included in Appendix J.

28769 Castaic Canyon Road

In March of 1989, one UST was removed from the subject address, which was occupied by Stockdale Building Materials. The tank was of steel construction, and had a capacity of approximately 500 gallons. This tank was reported to have been installed 30-plus years ago and, according to the report, had last been used to store gasoline. The sample which was collected at a depth of 6.5 feet bgs beneath the invert of the tank was reported to contain 10 ppm of TPH. Based on our review of this report, BA Environmental believes that the address for this UST removal is incorrect, and that the correct address should be 28760 Castaic Canyon Road. On March 22, 1989, the LACDPW issued a Closure Certificate with regard to the removed UST. A copy of the complete LACDPW file, including the closure letter, is included in Appendix J.

28805 The Old Road

No UST removal or assessment reports were found in the LACDPW file. Various inspection reports, tank integrity tests, correspondence and other miscellaneous documents were found in the file. One document found in the file was a letter from Chevron USA, dated May 12, 1988, to the LACDPW, indicating that the waste oil UST associated with the service station had been removed. The second document was a site plan prepared by PIC in 1994. This site plan showed the former location of one 5,000-gallon, one 8,000-gallon, one 6,500-gallon and one 10,000-gallon UST which had been removed. The site plan showed the locations of soil samples which had been collected beneath the former USTs. Also depicted on this site plan were four 1,000-gallon USTs which were labeled as filled with sand. This would indicate that these USTs had been

abandoned in-place. A closure letter issued by the RWQCB for the 3 tanks removed around 1994 was issued on April 20, 1999. A copy of the complete LACDPW file, including the closure letter, is included in Appendix J.

California State Regional Water Quality Control Board (RWQCB)

BA Environmental contacted the RWQCB's UST Program, and Spills Leaks, Investigations and Cleanups (SLIC) Program, on July 9, 2007 regarding the subject site. According to the RWQCB's UST Program, a file existed for 28805 The Old Road. According to the files, a Chevron gasoline service station formerly existed at this address.

In a Preliminary Site Assessment Report dated February 17, 1994, Groundwater Technology Inc. (GTI) indicated 28805 The Old Road was occupied by an active service station with four underground storage tanks (USTs), three pump islands and associated underground piping. In April of 1988, a waste oil UST was removed. Soil samples collected beneath the UST revealed petroleum hydrocarbons were present. A groundwater monitoring well, well W1, was installed in the area of the former waste oil UST. Subsequent sampling during installation indicated that petroleum hydrocarbons were present in groundwater at this location. On February 8 and 9, 1994, GTI drilled nine on-site solid borings to assess hydrocarbon extent in soil, to depths ranging from 20 to 30 feet below ground surface (bgs) with two of the nine soil borings converted to groundwater monitoring wells (MW-2 and MW-3). Soil samples analyzed indicated the highest concentrations of petroleum hydrocarbons existed northwest of the USTs and adjacent to the product lines. GTI stated that maximum concentrations exist in soils from 10 to 20 feet bgs and that the highest concentrations of petroleum hydrocarbons exist in the wells down-gradient from the USTs (GTI, February 1994).

GTI conducted a Preliminary Site Assessment Report in November of 1994. According to their report, GTI indicated that the subject site was occupied by a vacant lot following site demolition and removal of four steel USTs (one 10,000-gallon, one 8,000-gallon, one 6,500-gallon and one 5,000-gallon) in July 1994. On September 7-9, 1994, GTI conducted additional assessments, installing five soil borings, three groundwater monitoring wells, and three nested vapor probes. Based on the soil sample analytical results, benzene concentrations ranged from <0.005 to 0.58 mg/kg; Toluene concentrations ranged from <0.005 to 0.31 mg/kg; Ethylbenzene concentrations ranged from < 0.005 to 0.69 mg/kg; Xylene concentrations ranged from <0.015 to 3.6 mg/kg; TPH gasoline concentrations in soil ranged from <1.0 to 32 mg/kg, with TPH diesel concentrations below detection limits. Based on the groundwater sample analytical results, benzene concentrations ranged from <0.5 to 17,000 µg/L; Toluene concentrations ranged from 1.0 to 29,000 µg/L; Ethylbenzene concentrations ranged from < 0.5 to 2,300 µg/L; Xylenes concentrations ranged from <1.5 to 16,000 µg/L; TPH gasoline concentrations in groundwater ranged from <10 to 76,000 µg/L, with TPH diesel concentrations at one location reporting <100 µg/L. Total lead concentrations were below detection limits in all samples taken (GTI, November 1994).

In an additional site assessment conducted by GTI (July 31, 1996), and on previous assessment activities, a volume of soil containing TPH in excess of 100 parts per million (ppm) was calculated. Based on this former information, GTI estimated that approximately 250 cubic yards of soil containing TPH greater than 100 ppm are present within the first 25 feet of the surface in the vicinity of the former dispenser islands. Approximately 500 cubic yards of soil with TPH in excess of 100 ppm are present from a depth of 10 to 20 feet bgs in the vicinity of the former tank pit (GTI, July 1996).

In January through February 1997, GTI excavated soil from the subject site. Approximately 6,651 cubic yards (9,644 tons) of clean overburden soil was excavated, and approximately 1,301 cubic yards (1,822 tons) of impacted soil was excavated and sent to Thermal Processing Systems (TPS), in Adelanto, California for treatment. Approximately 25 soil samples were collected from the bottom and sidewalls of the excavation to confirm remaining soil was free of hydrocarbons at concentrations greater than 400 ppm TPH gasoline. Eight soil samples were collected from the backfill material (both clean excavated soil and treated soil brought back from TPS) to verify backfill soils were below the proposed 400 ppm TPH-g limit. The first foot of backfill soil was mixed with nutrients to help enhance bioremediation in both the soil and groundwater at the site. Quarterly groundwater monitoring will continue to confirm natural attenuation of hydrocarbons in groundwater (GTI, March 1997).

According to a groundwater monitoring event conducted in February 1999 by Blaine Tech Services, maximum Benzene concentrations were detected at <0.3 parts per billion (ppb) and maximum TPH-g concentrations were detected at 4.86 ppb (Blaine, 1999).

On April 20, 1999 the RWQCB issued a closure letter (NFA) for the subject site. The RWQCB stated that the information provided to this agency was accurate and representative of site conditions, and that no further action related to the underground storage tank release was required (Appendix N).

Copies of excerpts from selected reports from the RWQCB files are included in Appendix N.

California State Department of Toxic Substance Control (DTSC)

BA Environmental contacted the offices of the DTSC on February 15, 2007 regarding contamination beneath the subject site. According to the DTSC, no files exist for the subject property.

Santa Clarita Valley Sanitation District (SCVSD)

The SCVSD was contacted on February 8, 2007 regarding permits associated with wastewater clarifiers and wastewater discharge. According to the SCVSD, no files exist for the subject property.

South Coast Air Quality Management District (AQMD)

BA Environmental contacted the offices of the AQMD on February 15, 2007 regarding air emissions permits for the subject site. According to the AQMD, no files exist for the subject property.

GOVERNMENT RECORDS REVIEW

Regulatory compliance is a primary element of an ESA. Failure to comply with governmental regulations can result in fines, and can expose businesses or individuals to liabilities from which the law would otherwise shield them. The presence of hazardous

wastes or hazardous materials, on-site or at neighboring sites, may present certain liabilities. Environmental Data Resources, Inc. (EDR) searches over 900 federal, state and local databases nationwide to provide the most recent information regarding the hazardous materials sites within the site vicinity, and which are identified below (EDR, 2006a). EDR searches each database to the radius specified in ASTM E1527-05 and the EPA AAI Rules. A copy of the EDR Radius Report is provided in Appendix L. Due the size of the subject property, an extended search radius was used for the database search. This search radius was the required 1.0 mile radius (per ASTM E1527-05) plus 2.0 miles. Sites of potential environmental concern are described at the end of this section in Table 4.

1. The Federal Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), also known as the Superfund Act, protects the victims and the environment in the event of a hazardous materials spill. This act primarily addresses cleanup of designated Superfund hazardous waste sites (HWS). To achieve its stated purpose, CERCLA established a hazardous Substances Trust Fund, the Emergency Response Trust Fund, and the Post-Closure Liability Trust Fund. These funds compensate the victims and provide money necessary for the decontamination of the environment. The Environmental Protection Agency (EPA) compiles a list of known contaminated sites that are under consideration for the Superfund List. This list is known as the CERCLIS database. According to the August 2006 version of this document, **no** CERCLIS site is located within a 1.75-mile radius of the subject property.

   CERCLIS No Further Remedial Action Planned (CERCLIS-NFRAP) sites are CERCLIS sites which have been removed and archived from the inventory of active CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site. According to the October 2006 version of this document, **4** CERCLIS-NFRAP sites are located within a 1.75-mile radius of the subject property.

2. The US EPA maintains the National Priority List (NPL) under CERCLA 42 U.S.C. Section 9601 (1985). Once a site has been designated on the CERCLIS, the EPA ranks it to determine the potential risk to human health and the environment. Only those CERCLIS sites which present the greatest risk are added to the NPL, which qualifies the sites to receive CERCLA remedial funding. According to the September 2006 version of this document, **no** NPL site is located within a 2.25-mile radius of the subject property.

   The US EPA maintains the Delisted National Priority List (NPL) or National Priority List Deletions under 40 CFR 300.425(e). The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate. According to the September 2006 version of this document, **no** Delisted NPL sites are located within a 2.25-mile radius of the subject property.

The US EPA maintains the National Priority List (NPL) Recovery list, which is a listing of Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens. According to the October 1991 version of this document, the subject property **is not listed** as an NPL Recovery site.

3. The EPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal, in addition to enforcing penalties against violators. The RCRA Facilities database is a compilation by the EPA of facilities which generate, store, transport, treat or dispose of hazardous waste. Small quantity generator (SQG) facilities produce between 100 kilograms and 1,000 kilograms of hazardous waste per month. Large quantity generator (LQG) facilities produce more than 1,000 kilograms of hazardous waste per month.

   According to the June 2006 listing of hazardous waste treatment, storage and disposal facilities (TSDs), **2** TSD facilities are located within a 1.75-mile radius of the subject site.

   The Resource Conservation and Recovery Information System - TSDs CORRACTS report contains information pertaining to TSDs which have conducted, or are currently conducting, a corrective action as regulated under RCRA.

   According to the March 2006 version of the CORRACTS document, **2** CORRACTS facilities are located within a 2.25-mile radius of the subject property.

   According to the June 2006 listing of hazardous waste generators, **10** large quantity generator (LQG) facilities and **69** small quantity generator (SQG) facilities are located within a 1.5-mile radius of the subject property. **Three** of the subject property addresses are listed as SQG sites.

4. The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous substances. The database contains information from spill reports made to federal authorities, including the EPA, the US Coast Guard, the National Response Center, and the Department of Transportation. According to the December 2005 version of this document, there have been **no reported releases** of hazardous substances at the subject property.

5. The EPA maintains a listing of Engineering Controls Sites (US Eng Controls). This listing is of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods intended to eliminate pathways for regulated substances to enter environmental media or affect human health. According to the October 2006 version of this document, **no** US Eng Controls sites are located within a 1.75-mile radius of the subject property.

6. The EPA maintains a listing of Sites with Institutional Controls (US Inst Controls). This listing is of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions

are generally required as part of the institutional controls. According to the October 2006 version of this document, **no** US Inst Controls sites are located within a 1.75-mile radius of the subject property.

7. The EPA maintains a listing of Brownfield Sites (US Brownfields). Included in the listing are Brownfields properties addressed by Cooperative Agreement Recipients and Brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with Brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at Brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of Brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified Brownfields-related cleanup activities. According to the October 2006 version of this document, the subject property **is not listed** as a US Brownfields site.

8. Department of Justice, Consent Decree Library maintains a list of the Superfund (CERCLA) Consent Decrees (CONSENT). These are major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites, which are released periodically by United States District Courts after settlement by parties to litigation matters. According to the December 2004 version of this document, **no** CONSENT sites are located within a 2.25-mile radius of the subject property.

9. The California Department of Toxic Substance Control's (DTSC) RESPONSE database, previously known as the Cal-Sites Annual Work Plan, is a listing of known hazardous waste sites undergoing remediation. According to the November 2006 version of this document, **no** RESPONSE sites are located within a 2.25-mile radius of the subject site.

10. The DTSC's ENVIROSTOR database identifies sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal NPL; State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. ENVIROSTOR provides similar information that was available in Cal-Sites, and provides additional information including identification of formerly-contaminated properties that have been released for reuse, environmental deed restrictions, and risk characterization information. According to the November 2006 version of this database, **2** ENVIROSTOR sites are located within a 2.25-mile radius of the subject site.

11. The DTSC maintains a database known as the HIST Cal-Sites list that includes historical potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Cal-Sites database. This database is no longer updated by the state agency, and has been replaced by ENVIROSTOR. According to the August 2005 version of this

database, **no** Historical Cal-Sites sites are located within a 2.25-mile radius of the subject property.

12. The DTSC maintains the California Hazardous Materials Incident Report System (known as CHMIRS), which contains information on reported hazardous material incidents (accidental releases or spills). According to the December 2004 version of this database, **7** CHMIRS sites are located within a 1.25-mile radius of the subject property.

13. The DTSC maintains the Deed Restrictions listing. Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners. According to the October 2006 version of this database, **no** DEED sites are located within a 1.75-mile radius of the subject property.

14. The DTSC maintains a list of Voluntary Cleanup Program Properties (VCP). This list contains low threat level properties with either confirmed or unconfirmed releases, and the project proponents have requested that the DTSC oversee investigation and/or cleanup activities, and have agreed to provide coverage for DTSC's costs. According to the November 2006 version of this database, **no** VCP sites are located within a 1.75-mile radius of the subject property.

15. The DTSC developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds, known as the Bond Expenditure Plan (BEP). This list is not updated. According to the January 1989 version of this database, **no** BEP sites are located within a 2.25-mile radius of the subject property.

16. The California Environmental Protection Agency (Cal-EPA) maintains the California Facility Inventory Database (Ca.-FID). The Ca.-FID contains an historical listing of active and inactive UST locations from the State Water Resources Control Board. According to the October 1994 version of this database, the subject property **is not listed** on the Ca.-FID database.

17. The State of California State Water Resources Control Board (SWRCB) formerly contracted with an independent company to update and maintain the Statewide Environmental Evaluation and Planning System (SWEEPS) UST listing in the early 1980s. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS UST list. According to the June 1994 version of this document, **20** SWEEPS UST sites are listed as being within a 1.5-mile radius of the subject property. According to the June 1994

version of this document, **3** of the subject site addresses are listed as SWEEPS UST sites.

18. The State of California State Water Resources Control Board (SWRCB) maintains the California Leaking Underground Storage Tank (LUST) list. According to the October 2006 version of this document, **21** LUST sites are listed as being within a 1.75-mile radius of the subject property. According to the October 2006 version of this document, **3** of the subject site addresses are listed as LUST sites.

19. The SWRCB maintains an inventory (CA UST) of registered USTs. According to the October 2006 version of this document, **15** UST sites are listed as being within a 1.5-mile radius of the subject property.

20. The SWRCB maintains the Hazardous Substance Storage Container Database, which is a listing of Historic UST (Hist UST) sites. According to the October 1990 version of this database, **3** of the subject site addresses are listed as Hist UST sites.

21. The SWRCB maintains an inventory (AST) of registered Aboveground Petroleum Storage Tank facilities. According to the November 2006 version of this database, **no** ASTs have been identified for the subject property.

22. The SWRCB maintains the Spills, Leaks, Investigations and Clean-up (SLIC) records. According to the October 2006 version of this database, **10** SLIC sites are located within a 1.75-mile radius of the subject property.

23. The California Governor's Office of Planning and Research annually publishes a listing of potential and confirmed HWS sites throughout the State of California under Government Code Section 65962.5. This list is also known as the Cortese List, which is no longer updated. According to the April 2001 version of this list, **16** Cortese sites are located within a 1.75-mile radius of the subject site. According to the April 2001 version of this list, **2** of the subject site addresses are listed as Cortese sites.

24. The California Integrated Waste Management Board maintains a list of permitted solid waste landfills (SWF/LF), incinerators and transfer stations. According to the September 2006 version of this database, **2** SWF/LF sites are located within a 1.75-mile radius of the subject property.

25. BA Environmental reviewed the list of "orphan" sites, which have inadequate address information and are therefore unplotted. **Forty-four (44)** "orphan" sites were listed. None of the "orphan" sites listed are for the subject property. Several of the "orphan" sites appear to be located within 0.25 miles from the subject property. Based on the distances and/or statuses of the "orphan" sites from the subject property, environmental impact to the subject property from these orphan sites is unlikely.

Table 4
GOVERNMENT-LISTED DATABASES
IDENTIFIED SITES OF POTENTIAL ENVIRONMENTAL CONCERN

Site of Concern and Address	Distance and Direction from Subject Property	Databases	Regulatory Status	Potential Environmental Impact
Chevron Station 9 1899 28805 The Old Rd	Subject Property	RCRA-SQG FINDS Cortese SWEEPS UST HAZNET Hist. UST LUST	No RCRA violations; Release of waste oil to "other groundwater"; MTBE detected in groundwater; 1,300 cubic yards of contaminated soil excavated; Case closed 4/20/99	Low
J & V Trucking Co. 28748 Castaic Canyon Rd	Subject Property	Hist. UST	One 10,000-gallon UST reported to contain diesel fuel	Low
Tri R Trucking 28748 Castaic Canyon Rd	Subject Property	RCRA-SQG HAZNET LUST Cortese CA WDS	No RCRA violations; Release of diesel fuel to "soil only"; Case closed 10/11/94	Low
Classic Cartage/Classic Cartage DBA Tri-R Trucking 28748 N Castaic Canyon Rd	Subject Property	HMS FINDS	Facility status listed as "open"	Low
Kennedy Storage 28754 N Castaic Canyon Rd	Subject Property	HMS	Facility status listed as "open"	Low
Newhall Land And Farming Co 28756 Castaic Canyon Rd	Subject Property	RCRA-SQG FINDS	No RCRA violations found	Low
East Park Gallery Services Inc 28756 Castaic Canyon Rd	Subject Property	HAZNET	Disposal of unspecified solvent waste, paint sludge and other empty containers 30 gallons or more	Low
Santa Clarita Concrete 28756 Castaic Canyon Rd	Subject Property	HAZNET	Disposal of waste oil and mixed oil	Low

Site of Concern and Address	Distance and Direction from Subject Property	Databases	Regulatory Status	Potential Environmental Impact
Western Energy Sciences 28760 N Castaic Canyon Rd	Subject Property	HMS	Facility status listed as "closed"	Low
Newhall Land & Farming Co 28760 N Castaic Canyon Rd	Subject Property	SWEEPS UST LUST Cortese HMS	Release of gasoline to "soil only"; Case closed 1/10/90	Low
Stockdale Materials Co., Inc 28762 Castaic Canyon Rd	Subject Property	Hist. UST	One 1,000-gallon UST reported to contain diesel fuel and one 5,000-gallon UST with unreported contents	Low
Newhall Land & Farming Co 28769 Castaic Canyon Rd	Subject Property	SWEEPS UST	No other information reported; Not on LUST list	Low
The Blue Moon Café 28743 The Old Rd	Subject Property	EMI	No violations	Low
Newhall Land & Farming Co 27230 Henry Mayo Rd	Subject Property	SWEEPS UST LUST Cortese	Unknown number of tanks, contents or capacity; Release of gasoline to soil only; Case closed 1/29/90	Low
Valencia Water Reclamation Plant 28185 The Old Rd	Adjacent to the East (up-gradient)	Hist. UST	1 10,000-gallon UST containing diesel fuel	Low
LA Co., Sanitation Dist 28185 The Old Rd	Adjacent to the East (up-gradient)	FINDS	Has air emissions and wastewater discharge permits	Low
LA Co San Dis-Valencia Wat Rec 28185 N The Old Rd	Adjacent to the East (up-gradient)	CA FID UST SWEEPS UST	1 UST of unreported capacity or content	Low
Valencia Water Reclamation Pln 28185 The Old Rd	Adjacent to the East (up-gradient)	LUST Cortese	Release of diesel fuel to "other groundwater"; Case closed 4/7/98	Low

Site of Concern and Address	Distance and Direction from Subject Property	Databases	Regulatory Status	Potential Environmental Impact
Cnty LA Sanitation Dist/Valencia Wrp 28185 The Old Road	Adjacent to the East (up-gradient)	HAZNET	Manifests for the disposal of other inorganic wastes, PCBs, and aqueous solutions with less than 10% organic residues	Low
LA Co San Dis-Valencia Wrc 28185 The Old Rd	Adjacent to the East (up-gradient)	UST	No other reported information	Low
Cnty LA Sanitation Dist/Valencia WRP 28185 The Old Road	Adjacent to the East (up-gradient)	HAZNET EMI CA WDS	Manifests for the disposal of oil containing wastes, oxygenated solvents, and aqueous solutions with less than 10% organic residues; No EMI or WDS violations	Low
Castaic Junction Field	Adjacent to the West (down-gradient)	ERNS	Release of 1 barrel of crude oil and 3 barrels of "produced" water from corroded pipeline to Tank Battery #5; Cleaned up by responsible party	Low
Pacific Bell 28618 The Old Road	Adjacent to the East (up-gradient)	HAZNET CA FID UST SWEEPS UST UST HMS	Manifests for the disposal of waste oil and mixed oil, and off-specification, aged or surplus organics; 1 UST of unreported capacity or contents	Low
CHP Newhall 28648 The Old Road	Adjacent to the East (up-gradient)	HAZNET CA FID UST SWEEPS UST UST	Manifests for the disposal of oil/water separation sludge; 1 active gasoline UST; Not on LUST list	Low

Site of Concern and Address	Distance and Direction from Subject Property	Databases	Regulatory Status	Potential Environmental Impact
Chevron USA SS 035979 27710 N The Old Rd	Adjacent to the East (up-gradient)	HMS RCRA-SQG FINDS	Status reported as "removed"; No RCRA violations	Low
Valencia Hotel Joint Vntr 27710 N The Old Rd	Adjacent to the East (up-gradient)	HMS	Status reported as "open"	Low
Chevron Station No 95436 27549 The Old Rd	Adjacent to the East (up-gradient)	RCRA-SQG HAZNET FINDS UST Hist UST HMS	No RCRA violations; 4 10,000-gallon USTs and 1 1,000-gallon UST; Contents not reported	Low
Caltrans North Region Office 28820 N The Old Road	Adjacent to the East (up-gradient)	RCRA-SQG HAZNET FINDS AST	No RCRA violations; 1 10,000-gallon AST	Low
Exxon Co USA 27101 W Henry Mayo Dr	Adjacent to the North (up/cross-gradient)	HMS	Status reported "open"	Low
Schwartz Oil Co. 27241 Henry Mayo Dr.	Adjacent to the North (up/cross-gradient)	LUST HMS CA FID UST SWEEPS UST FINDS Cortese HAZNET UST Hist UST EMI	Release of hydrocarbons to "other" groundwater; Case closed 8/30/96	Low to moderate
R M Pyles Boys Camp Inc 27211 W Henry Mayo Dr	Adjacent to the North (up/cross-gradient)	HMS	Status reported as "removed"	Low
Chevron #3-5979 27600 The Old Rd	Adjacent to the North (up/cross-gradient)	LUST Cortese	Release of gasoline to "other" groundwater; Case closed 11/5/96	Low

Site of Concern and Address	Distance and Direction from Subject Property	Databases	Regulatory Status	Potential Environmental Impact
Six Flags Magic Mountain 26101 Magic Mountain Pky	Adjacent to the East (up-gradient)	HAZNET RCRA-SQG FINDS LUST Cortese CA FID UST HMS Hist UST HTTS EMI CA WDS SWEEPS UST UST	No RCRA violations Release of gasoline to "other" groundwater; Case closed 12/27/97	Low
Chevron #9-5436 27549 The Old Road	Adjacent to the East (up-gradient)	LUST RCRA-LQG FINDS	Release of gasoline to "other" groundwater; Remedial Action (clean up) underway; No RCRA violations	Low
LA Co FD Fire Sta #076 27223 Henry Mayo Dr	Adjacent to the North (up/cross-gradient)	CA FID UST SWEEPS UST LUST Cortese HMS Hist UST AST	Release of hydrocarbons to soil only; Case closed 8/13/97	Low

Nine addresses (28743 The Old Road, 28805 The Old Road, 27230 Henry Mayo Drive, 28748 Castaic Canyon Road, 28754 Castaic Canyon Road, 28756 Castaic Canyon Road, 28760 Castaic Canyon Road, 28762 Castaic Canyon Road, and 28769 Castaic Canyon Road) associated with the subject site are listed on various government environmental databases. Of these nine sites, six of the addresses (28805 The Old Road, 27230 Henry Mayo Drive, 28748 Castaic Canyon Road, 28760 Castaic Canyon Road, 28762 Castaic Canyon Road, and 28769 Castaic Canyon Road) were reported to have had USTs. Four of the six UST sites (28805 The Old Road, 27230 Henry Mayo Drive, 28748 Castaic Canyon Road and 28760 Castaic Canyon Road) were listed as LUST sites. According to LACDPW files, all of the USTs at these addresses have been removed and the LUST cases closed. Based on this information, there is a low potential for these sites to have significantly impacted the subject property.

Several facilities are located adjacent to the subject site, which have USTs or are LUST sites. Only one of the LUST sites, Schwartz Oil Co., located at 27241 Henry Mayo Drive, poses any environmental threat to the subject site. This site is located up/cross-gradient of the subject site. According to the LUST database, there has been a release of hydrocarbons to the groundwater. The case was closed in 1996. It is possible that residual petroleum hydrocarbons exist beneath the site and are being carried beneath the subject site by groundwater. Based on this information, there is a low to moderate potential that this facility has environmentally impacted the subject site.

Based on the distances and statuses of the remaining facilities, there is a low potential for environmental impact due to off-site sources.

ADDITIONAL NON-ASTM SCOPE ASSESSMENT

Soil Sampling for Pesticides and Herbicides

Scope of Services

The objective of the limited soil sampling was to assess whether past use of pesticides or herbicides have impacted the shallow soils beneath the previously cultivated areas on the subject property. BA Environmental proposed to analyze up to four composite soil samples at a depth of approximately 1 to 2 feet bgs.

In order to complete the limited soil sampling activities, BA Environmental performed the following tasks:

a. Collected up to 16 soil samples based upon designated use (agricultural production, grazing, etc.). The locations of the soil samples from which the composites were made are included on Figure 7.
b. Submitted 16 soil samples to a State of California, Department of Health Services (DHS)-certified laboratory to be composited. These samples were composited in the laboratory into four composite soil samples. The four composite soil samples were analyzed for Organochlorine Pesticides (OCP), Organophosphorous Pesticides (OPP) and Chlorinated Herbicides (CH), using Environmental Protection Agency (EPA) Method Nos. 8081A, 8141A and 8151A, respectively;
c. Provided all of the necessary equipment and materials to perform the required services. This equipment included soil sampling equipment.

Soil Sampling Procedures

On February 1, 2007, BA Environmental conducted a limited soil sampling investigation using hand auger equipment. Coordination and supervision of soil sampling activities were performed by a Registered Geologist from BA Environmental.

Sixteen shallow soil borings were advanced to a depth of between 1 and 2 feet bgs using hand auger equipment (Figure 7).

Following collection of the samples, the samples were labeled with the sample number, collection date and project number, placed in a cooler chilled to approximately 4°C (40 F), and retained for laboratory analyses.

Field observations of soil samples collected from all of the borings revealed no unusual odors or staining.

Decontamination

Quality assurance/quality control (QA/QC) procedures were performed to prevent cross contamination between the samples. Only clean sampling equipment was used for this drilling project. A three-stage tap water wash was used to clean equipment between boring and sampling events. New nitrile gloves were used while obtaining the samples. The soil samples were collected in clean liners.

Sample Handling and Transport

The soil samples collected from the hand auger borings to be used for chemical analyses were placed in a cooler, chilled to approximately 4°C (40°F), and transported to Enviro Chem Inc. of Pomona, California, a State of California DHS-certified laboratory, under a strict chain-of-custody prepared at the time of sampling. The samples were composited by the laboratory.

Quality Assurance/Quality Control (QA/QC)

To increase the confidence levels in the data obtained, a QA/QC program was implemented. QA refers to management of actions designed to maintain precision, accuracy and completeness of the data developed from the project. QC refers to accepted formal procedures and activities specifically designed for the purpose of collecting data that is intended to be reliable and consistent for the site conditions.

The program includes formal procedures for all field activities, including soil sampling, decontamination, instrument calibration, documentation of activities and calculations, and peer review. Routine QC procedures were performed by the laboratory, and included daily calibration of instruments, percent surrogate recoveries and analyses of matrix spikes and matrix spike duplicates (laboratory reports). The laboratory reported the results to be within acceptable percent recoveries with no results exceeding the laboratory established control limits.

Limited Soil Sampling - Laboratory Results

Sixteen of the samples collected were composited at the laboratory in groups of four. The composited soil samples were analyzed for Organochlorine Pesticides (OCP), Organophosphorous Pesticides (OPP) and Chlorinated Herbicides (CH), using Environmental Protection Agency (EPA) Method Nos. 8081 (OCP) , 8141 (OPP) and 8151 (CH).

OCP in Soil

Composited soil samples EG1 through EG4 were analyzed for OCPs and the data is presented in Table 5, which is included as an attachment to this report. In summary, the samples EG1 and EG4 were reported not to contain detectable concentrations of OCPs. Samples EG2 and EG3 were reported to both contain 0.001 milligrams per kilogram (mg/kg) of 4,4-DDE. The laboratory report is included in Appendix M.

The concentrations of 4,4-DDE detected in composite samples EG2 and EG3 were low and just at the laboratory's Practical Quantitation Limit (PLQ) of 0.001 mg/kg. The concentrations of both samples were compared to the Preliminary Remediation Goals (PRGs) set up by the United States Environmental Protection Agency (EPA) for various compounds and metals. This comparison revealed that the concentrations detected within composite samples EG2 and EG 3 were well below the PRG for 4,4-DDE. Based on the low concentrations of 4,4-DDE detected in the two composite samples, it is BA Environmental's opinion that there is a low potential for threat to human health or the environment. In addition, it is BA Environmental's opinion that these low concentrations would not trigger a regulatory response.

OPP in Soil

Composited soil samples EG1 through EG4 were analyzed for OPPs and the data is presented in Table 5. In summary, none of the composited samples were reported to contain detectable concentrations of OCPs. The laboratory report is included in Appendix M.

CH in Soil

Composited soil samples EG1 through EG4 were analyzed for CHs and the data is presented in Table 5. In summary, all of the samples analyzed were reported not to contain detectable concentrations of CHs. The laboratory report is included in Appendix M.

Visual Asbestos Survey

BA Environmental performed a visual survey of suspect friable and non-friable asbestos-containing materials (ACMs). Although the use of asbestos in the manufacture of most building materials was for the most part discontinued by 1979, some non-friable ACMs, such as roofing material and floor coverings (floor tile and mastic), were manufactured and used into the mid 1980s.

- Friable materials are materials which can be crumbled, pulverized, or reduced to powder by hand pressure when dry.
- Non-friable materials are materials in which the fibers have been locked in by a bonding agent, coating, or binder, and may not release fibers during normal use and handling. Improper handling, such as grinding or sanding of non-friable ACMs, will render these materials friable.

Several structures were observed within the northern portion of the subject site. Suspect materials within these structures include 12" x 12" floor tiles and associated mastic, floor sheeting and mastic, vinyl base molding and adhesive, drywall, joint compound, carpet mastic, exterior stucco, interior plaster, masonite wall panels, 1-foot by 1-foot ceiling tiles, 2-foot by 4-foot sections of drop acoustical ceiling panels, transite pipe, HVAC sealant, caulking, and roofing materials. All building materials were observed to be in good condition, with a low potential for damage. As all of the buildings observed were constructed prior to 1980, there is a moderate potential for these building materials to contain asbestos.

In addition, on the day of the site reconnaissance, in several areas, a fibrous cementitious pipe (POI #s 9, 58 and 82) was observed. This pipe may contain asbestos.

Visual Mold Survey

BA Environmental performed a visual mold survey in accessible areas at the subject property. BA Environmental did not assess areas not readily accessible, nor did they conduct a destructive or invasive survey. It is possible that significant fungal spore growth inside walls, insulation, attic spaces, or other areas can exist and not be visible on the finished surfaces of a building's interior spaces. BA Environmental did not 1) perform a mold/fungi inspection, 2) perform any building material surface mold sampling, or 3) perform air sampling for mold spores at the subject property as part of this Phase I.

On the day of the site reconnaissance, significant mold growth and water damaged was observed at 28754 Castaic Canyon Road (POI #134), on the interior walls or the building. In addition, water-stained ceilings and ceiling panels were observed within several of the other structures. No visible mold growth was observed within any of the other structures.

Visual Lead-Based Paint Survey

Lead was a major ingredient in paint pigment prior to and through the 1940s. While other pigments were used in the 1950s, the use of lead in paint continued until the mid 1970s. In 1978, the Consumer Products Safety Commission banned paint and other surface coating materials that are lead-containing.

BA Environmental performed a visual lead-based paint survey in accessible areas at the subject property. All of the paint observed on-site appeared to be in good condition with no visible evidence of damage or peeling. Based on the age of the current subject buildings, constructed prior to 1978, there is a low to moderate potential that lead-based paint exists on the subject site.

Radon Gas Survey

Radon is a radioactive gas that occurs naturally in the environment and cannot be seen, smelled or tasted. The human health effect associated with exposure to elevated levels of radon is an increased risk of developing lung cancer. The US Environmental Protection Agency (EPA) and the US Center for Disease Control are concerned about the increased risk of lung cancer developing in individuals exposed to above average levels of radon in their homes or offices. In order to address these concerns, the US EPA conducted a radon survey and presented the results for various counties in 1993.

The EPA's map of Radon Zones assigns each of the 3,141 counties in the United States to one of three zones. The zone designations were determined by assessing five factors that are known to be important indicators of radon potential: indoor radon measurements, geology, aerial radioactivity surveys, soil parameters and foundation types. The subject property falls within the designation of Zone 2. Zone 2 counties have a predicted average indoor radon screening level of greater than or equal to 2.0 picocuries per liter (pCi/l) and less than or equal to 4.0 pCi/l of dry air. Based on the results of the survey, the subject site appears to fall within a radon screening level below the recommended EPA Action

Level of 4.0 pCi/l. It is BA Environmental's opinion, based upon these results, that it is unlikely that radon is a concern for the subject site.

Methane Zones

Methane is a naturally occurring hydrocarbon produced by the breakdown of organic material, including petroleum hydrocarbons, which can migrate through soils and sediments. Methane gas is flammable and is considered a hazardous substance by the American Congress of Government Industrial Hygienists (ACGIH), the Department of Transportation (DOT), and the National Fire Protection Association (NFPA). According to county and state agency's, the subject site is not located within an identified methane zone. As the subject site is located within the Castaic Junction Oil Field, and portions of the subject site have been used for oil production, there is a potential for methane gas to exist beneath the subject site.

Wetlands and Flood Plains

During the site reconnaissance and drive-by survey of the surrounding area, BA Environmental observed no indications of wetlands. According to the Environmental Data Resources, Inc. (EDR) report, no wetlands per the National Wetlands Inventory (1994) are located within an approximate 1.0-mile radius of the subject site. Although not identified as a wetland per the National Wetlands Inventory, the Santa Clara River could possibly be considered a wetland. According to information provided in the EDR report, areas along the Santa Clara River channel in the northern and central portions of the subject site are located within a 100-year flood zone (EDR, 2007a).

Historical Sites

No historical sites have been identified to BA Environmental. Any historical sites which may exist on the subject site will be discussed in the future Environmental Impact Report to be prepared by Impact Sciences.

Endangered Species

The southern portion of the proposed Entrada development is reportedly inhabited by the San Fernando Valley Spineflower (*Chorizanthe parryi var. fernandina*), an annual member of the Buckwheat family (Polygonaceae). This species of spineflower was believed to be extinct since the 1920s, but was rediscovered at the Ahmanson Ranch site in southeastern Ventura County, and on Newhall Ranch near Valencia/Castaic in Los Angeles County. The spineflower is known to grow in dry, sandy areas of chaparral and coastal sage scrub. In September of 2001, this species of spineflower was listed by the California Fish and Game Commission as an endangered species. On the day of the site visit, the spineflower plants were not observed, since they are annual plants. Various colored pin flags were observed in several areas within the southern portion of the proposed Entrada development. These pin flags mark the locations of individual spineflowers. The different colored flags noted different years of studies. The areas of colored pin flags are shown in Figure 6.

FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

BA Environmental has performed a Phase I ESA, in conformance with the scope and limitations of ASTM Practice E1527-05, regarding the 825-acre subject property known as the Entrada Development located in Valencia, California. Any exceptions to, or deletions from, this practice are described in the Objective and Scope of Work section of this report.

This assessment has revealed the following historical recognized environmental conditions in connection with the subject property:

- USTs were removed from the following on-site addresses: 27230 Henry Mayo Drive, 28748 Castaic Canyon Road, 28760 Castaic Canyon Road, 28762 Castaic Canyon Road, 28769 Castaic Canyon Road and 28805 The Old Road. The LACDPW and/or the RWQCB have issued closure letters for each of the addresses;
- Four of the six UST sites (28805 The Old Road, 27230 Henry Mayo Drive, 28748 Castaic Canyon Road and 28760 Castaic Canyon Road) were listed as LUST sites. According to LACDPW files, all of the USTs at these addresses have been removed and the LUST cases closed.

This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property, except for the following:

- Approximately 13 oil wells and associated production areas existed on the subject property;
- Several former sumps, tank batteries and 1 area of possible land filling existed on the subject property;
- Staining was observed near several of the former oil well locations, former tank locations and sumps;
- Several oil pipelines have been identified on the subject property;
- Residual soil contamination may exist in the subsurface soils beneath former Tank Batteries #5 and #8;
- Drilling mud may exist within a sump buried beneath Tank Battery #8;
- Other drilling sumps may exist buried beneath the subject site;
- A discolored layer of soil was observed at approximately 2 feet bgs in several of the shallow soil borings in the 6.5-acre parcel, located in the west part of the central portion of the subject site. The source of the discoloration is unknown; however, it could be due to decaying organics;
- Pyrotechnic debris was observed in the southern portion of the subject site;
- As the subject site has been used for oil production, methane gas may exist beneath the subject site;
- Several businesses in the northern portion of the subject site were observed to have hazardous materials and some soil staining;
- 27152 Henry Mayo Drive was reported to have a building permit for the installation of a “structure” for gasoline storage and a 3/4 hp gas pump;
- 28756 Castaic Canyon Road was reported to have a 1974 building permit for the installation of one 9,940-gallon underground diesel fuel UST;

- 28756 Castaic Canyon Road was observed to have a spray booth and a separator. A wastewater discharge inspection report indicated that this address was observed dumping paint wash water onto the ground;
- 28760 Castaic Canyon Road formerly had a wastewater clarifier (interceptor) which separated paint from water;
- 28760 Castaic Canyon Road was identified as formerly having a spray booth;
- A flush mounted box labeled "Fill Box" was observed in Castaic Canyon Road in front of 28762 Castaic Canyon Road. This type of box is usually associated with USTs;
- 28805 The Old Road was formerly occupied by a gasoline service station. Four old 1,000-gallon USTs filled with sand may still exist on-site;
- A total of approximately six ASTs associated with two oil field production tank batteries (Tank Batteries 35 and #8) were formerly located on the subject site. Six ASTs presently exist on the subject site and include two ASTs for water, two propane ASTs, one empty former waste oil AST, one muriatic acid AST and one bleach AST;
- Historically 11 USTs related to fueling operations and waste oil storage were formerly located on-site. Presently seven USTs may exist on the subject site. Four of these USTs may have been abandoned in-place at 28805 The Old Road . Building permits indicate that USTs may exist at 28756 Castaic Canyon Road and 27152 Henry Mayo Drive. Visual observations revealed that a possible UST may be located in front of 28762 Castaic Canyon Road
- Septic tank systems still exist on-site;
- Suspect asbestos-containing materials (ACMs) exist within the on-site structures; and
- Lead-based paint may exist in the on-site structures.

BA Environmental makes the following general recommendations regarding the subject property:

- If disturbed, or if located within an area of redevelopment, all former oil wells located on the subject property should be re-abandoned according to all applicable local and state regulations. Any crude oil-impacted soil encountered during re-abandonment should be remediated;
- The areas of former sumps, tanks and landfill identified in the development sections above should be assessed for potential impact to the subject site;
- If the on-site oil pipelines are continued to be used, they should be assessed for leakage. If the pipelines are planned not to be used, they should be removed and the soils beneath them further assessed for the potential for impact;
- Areas of visible staining should be assessed if they are not planned for excavation, or are located in an area planned to be raised in grade;
- Areas of visible staining that are scheduled to be excavated should have any visibly impacted soil disposed of in accordance with all federal, state and local regulations;
- As one of these two parcels located in the west part of the central portion of the subject site is planned for the construction of an unlined Water Quality Control Basin, it was recommended that the soils excavated for the basin not be used for

the construction of the basin. Further, if discolored soil is encountered, it too should be excavated and not used in the construction of the basin. As these soils do not pose a direct significant threat to human health, the soil excavated during the construction of the Water Quality Control Basin may be used for grading material elsewhere, as long as it is mixed with soils not from agricultural areas;

- Areas in the southern portion of the subject site covered with pyrotechnic debris should be assessed for perchlorates and other compounds used in pyrotechnics;
- If areas within the former oil production area are intended for residential usage, a methane survey may be prudent;
- Businesses observed to have hazardous materials on-site should store those materials properly. Upon vacating the property, they should remove all hazardous materials;
- Any significantly stained areas in the developed part of the northern portion of the subject site should be further assessed;
- 27152 Henry Mayo Drive should be further assessed to determine if the new "structure" for gasoline storage was a UST, and determine if soils in this area had been impacted from past fueling operations;
- 28756 Castaic Canyon Road should be further assessed to determine if releases from the former spray booth and a separator have impacted the subsurface soils. In addition, this address should be further assessed to determine if the dumping of paint wash water onto the ground has impacted this site;
- 28756 Castaic Canyon Road should be further assessed to determine if the diesel fuel UST identified in building permits exists at this address;
- The location of the former wastewater clarifier (interceptor) at 28760 Castaic Canyon Road should be assessed to determine if leakage from this clarifier has impacted subsurface soils;
- 28760 Castaic Canyon Road should be further assessed to determine if releases from the former spray booth have impacted the subsurface soils.
- A flush mounted box labeled "Fill Box" that was observed in Castaic Canyon Road in front of 28762 Castaic Canyon Road should be further assessed to determine if a UST is located within this area. If a UST is found to exist at this location, it should be removed in accordance with all state and local regulations;
- 28805 The Old Road should be further assessed to determine if the four old 1,000-gallon USTs filled with sand may still exist on-site, and whether past leaks from these tanks have impacted subsurface soils. If the USTs exist at this location, they should be removed prior to grading activities in accordance with all state and local regulations;
- Any septic tank encountered during grading activities should be removed;
- ACMs should be abated prior to the demolition of any on-site structure. Any suspect material not already identified or tested should be sampled prior to demolition. All ACMs should be abated by a licensed asbestos abatement contractor; and
- Prior to demolition, all structures should be sampled for lead-based paint. If confirmed to have lead-based paint, health and safety procedures should be initiated to protect workers during demolition activities.

Since this area has been historically used for oil production, structures or contamination which could not be reasonably identified in this investigation may exist. BA Environmental recommends that any stained areas or unidentified structures encountered during grading operations should be assessed upon discovery.

Although not a recognized environmental condition, it is recommended that all groundwater monitoring wells or production water wells be abandoned according to applicable local and state regulations, prior to redevelopment, if not planned to be used.

LIMITATIONS

This report contains all of the limitations inherent in the methodologies that are referred to in ASTM E1527-05. BA Environmental has made every reasonable effort to discover and interpret the information and current conditions regarding the site within the time available. This assessment has been completed under the time and cost restraints implemented by the client. There is a possibility that, even with the proper application of the methodologies outlined in ASTM E1527-05, there may exist on the subject property conditions that could not be identified within the scope of the assessment or which are not reasonably identifiable from reasonably ascertainable information. This assessment is a visual, non-intrusive investigation, and conditions may exist at the site that cannot be identified solely by visual observation. No sampling, destructive or subsurface, of any type has been conducted on-site, unless expressly stated in the Objective and Scope of Work section above. All conclusions and recommendations are based on the visual observations made on the day of the site reconnaissance. BA Environmental is not responsible for identifying any environmental issues or site conditions which may have occurred after the site reconnaissance. This assessment relied upon information obtained from the site reconnaissance and from relevant regulatory agencies. BA Environmental believes that the information contained herein is reliable. However, BA Environmental cannot guarantee the accuracy of information provided by others. This assessment has been completed in general accordance with ASTM E1527-05 and accepted practices of the environmental industry.

This report is not intended to definitively assess or determine whether soil or groundwater contamination, waste emplacement, existing or threatened mold/fungus growth, asbestos containing building materials, and/or lead-based paint actually exists at the subject property. (Note: This change is to reflect that some soil and groundwater sampling was completed on the site.) Such determination would require comprehensive subsurface exploration and/or other sampling activities, which were beyond the scope of service for this assessment. Additionally, this report does not serve as a comprehensive wetlands, mining, oil, pipeline, and/or gas well survey.

This report summarizes an environmental investigation conducted for the subject property. Although conditions at neighboring properties may impact the subject property and, to the extent they were identified, were included in the subject property evaluation, this report does not serve as an assessment of sites other than the subject property.

Glossary Of Acronyms

(for words that frequently appear in environmental reports)

ASTs = aboveground storage tanks

ACMs = asbestos-containing materials

BTEX = benzene, toluene, ethylbenzene and xylenes

bgs = below ground surface

EDR = Environmental Data Resources, Inc.

LQG = Large Quantity Generator of hazardous waste

LUSTs = leaking underground storage tanks

MCL = maximum concentration limit

MTBE = methyl-tertiary-butyl ether

mg/kg = milligrams per kilogram

mg/l = milligrams per liter

PCE = perchloroethene

ppb = parts per billion

ppm = parts per million

SQG = Small Quantity Generator of hazardous waste

TCE = trichloroethene

TPH-d = Total Petroleum Hydrocarbons as diesel

TPH-g = Total Petroleum Hydrocarbons as gasoline

TRPH = Total Recoverable Petroleum Hydrocarbons

ug/kg = micrograms per kilogram

ug/l = micrograms per liter

USTs = underground storage tanks

VOCs = volatile organic compounds

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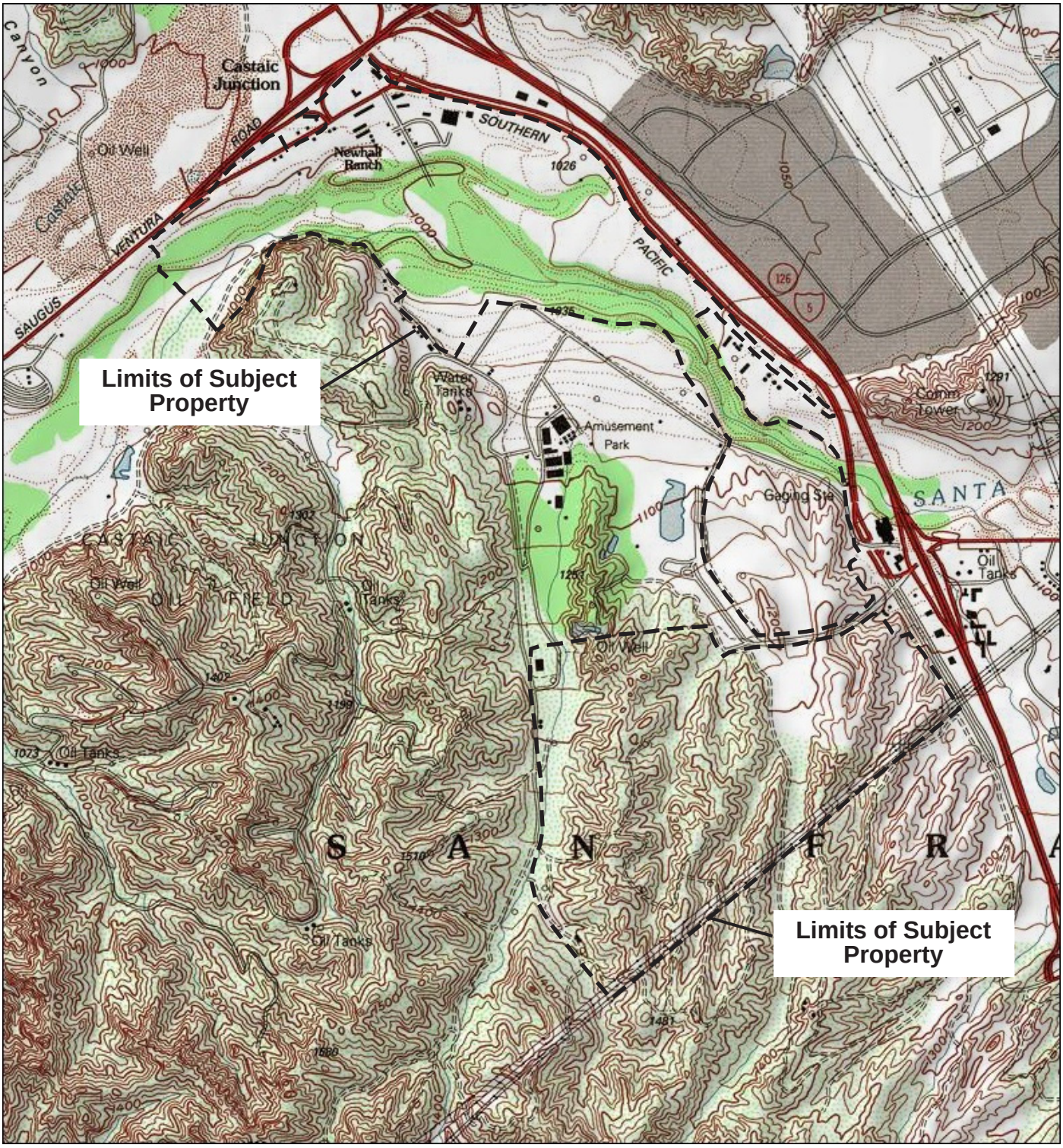
ATTACHMENTS

FIGURES



NORTH

Reference: USGS Newhall Quadrangle, California
7.5 Minute Series

SITE VICINITY

SCALE - 1:24,000

BA ENVIRONMENTAL

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROJECT: **Entrada Tract Map 53295**
Valencia, California

PROJECT NO.
107007

FIGURE
1

Lot Numbers	No. of Lots	Type (Use)	Dwelling Units	Commercial SF	Total Acres
Planning Area 1					
1–4	4	CONDOMINIUM	400		20.0
Planning Area 2					
5–40	36	COMMERCIAL		1,130,350	100.2
41	1	FLOOD CONTROL			17.3
42–43	2	OPEN SPACE (TRAIL)			2.6
44–55	13	OPEN SPACE (RIVER)			208.9
57	1	WATER QUALITY BASIN			9.7
		PUBLIC STREET			2.0
Planning Area 3					
58	1	FIRE STATION			2.7
59–76	18	COMMERCIAL		488,600	44.0
77–84	8	OPEN SPACE			7.1
Planning Area 4					
85–91	7	SINGLE-FAMILY COURTYARD	182		19.2
Planning Area 5					
92–150, 186–235	141	SINGLE-FAMILY 46'x100' MIN.	141		19.6
184	1	RECREATION CENTER			0.5
185–189	5	OPEN SPACE			0.2
Planning Area 6					
237–357	121	SINGLE-FAMILY 50'x110' MIN.	121		19.5
358–359	2	OPEN SPACE			0.1
Planning Area 7					
360–523	166	SINGLE-FAMILY 40'x90' MIN.	166		20.1
Planning Area 8					
526	1	PARK SITE			5.0
527	1	SCHOOL SITE			7.0
Planning Area 9					
528–534	7	3-STORY CONDOMINIUM	201		11.5
Planning Area 10					
535–539	4	3&4-STORY CONDOMINIUM	273		8.6
Planning Area 11					
540–546	7	2&3-STORY 16-PLEX CONDO	272		13.0
Planning Area 12					
547–551	5	2&3-STORY 6-PLEX CONDO	144		10.3
Planning Area 13					
552–556	5	2&3-STORY CONDOMINIUM	184		14.1
Planning Area 14					
560–561	2	COMMERCIAL		51,000	2.5
Miscellaneous					
562	1	RECREATION CENTER			1.7
563–584	22	PRIVATE DRIVES			25.6
585–636	52	OPEN SPACE			137.8
		PUBLIC STREET			19.2
Planning Area 15					
637	1	PRIVATE DRIVE			1.4
638–639	2	OFFICE		113,000	2.2
640	1	PARKING STRUCTURE			1.8
641	1	PARKING STRUCTURE			2.2
642–643	2	COMMERCIAL		150,000	3.2
644–646	2	COMMERCIAL/OFFICE		255,300	4.7
647	1	PARKING STRUCTURE			2.0
648	1	COMMERCIAL		9,500	1.7
649	1	WATER FEATURE			1.8
650	1	4-STORY CONDOS OVER COMMERCIAL	153	169,000	3.7
651–658	8	4-STORY CONDOMINIUMS	305		4.1
659	1	PARKING STRUCTURE			1.4
660	1	CLUBHOUSE		12,000	1.1
661	1	4-STORY CONDOS OVER P.S.	100		1.8
662–672	11	3-STORY CONDOMINIUMS	84		3.5
673	1	4-STORY CONDOS OVER P.S.	132		2.9
674	1	4-STORY CONDOS OVER P.S.	72		2.0
675	1	4-STORY CONDOS OVER P.S.	160		3.4
676	1	2-STORY CONDOMINIUMS	180		1.6
677–678	2	8-STORY HOTEL (300 ROOMS)		277,000	4.8
679	1	COMMERCIAL		73,000	1.1
680	1	15-STORY CONDOMINIUMS	144		0.7
681	1	COMMERCIAL/OFFICE		216,000	1.6
682	1	PARKING STRUCTURE			2.1
683–684	2	COMMERCIAL		30,000	1.7
685	1	WATER FEATURE			3.8
686–695		OPEN SPACE			7.5
		PUBLIC STREET			1.9
TOTAL	695		3,439	2,958,950	843.0

Taken from Major Land Division Vesting Tentative Tract Map No. 53295 Sheet No. 1, prepared by Alliance Land Planning & Engineering, prepared 12/14/06.

BA ENVIRONMENTAL

NORTH

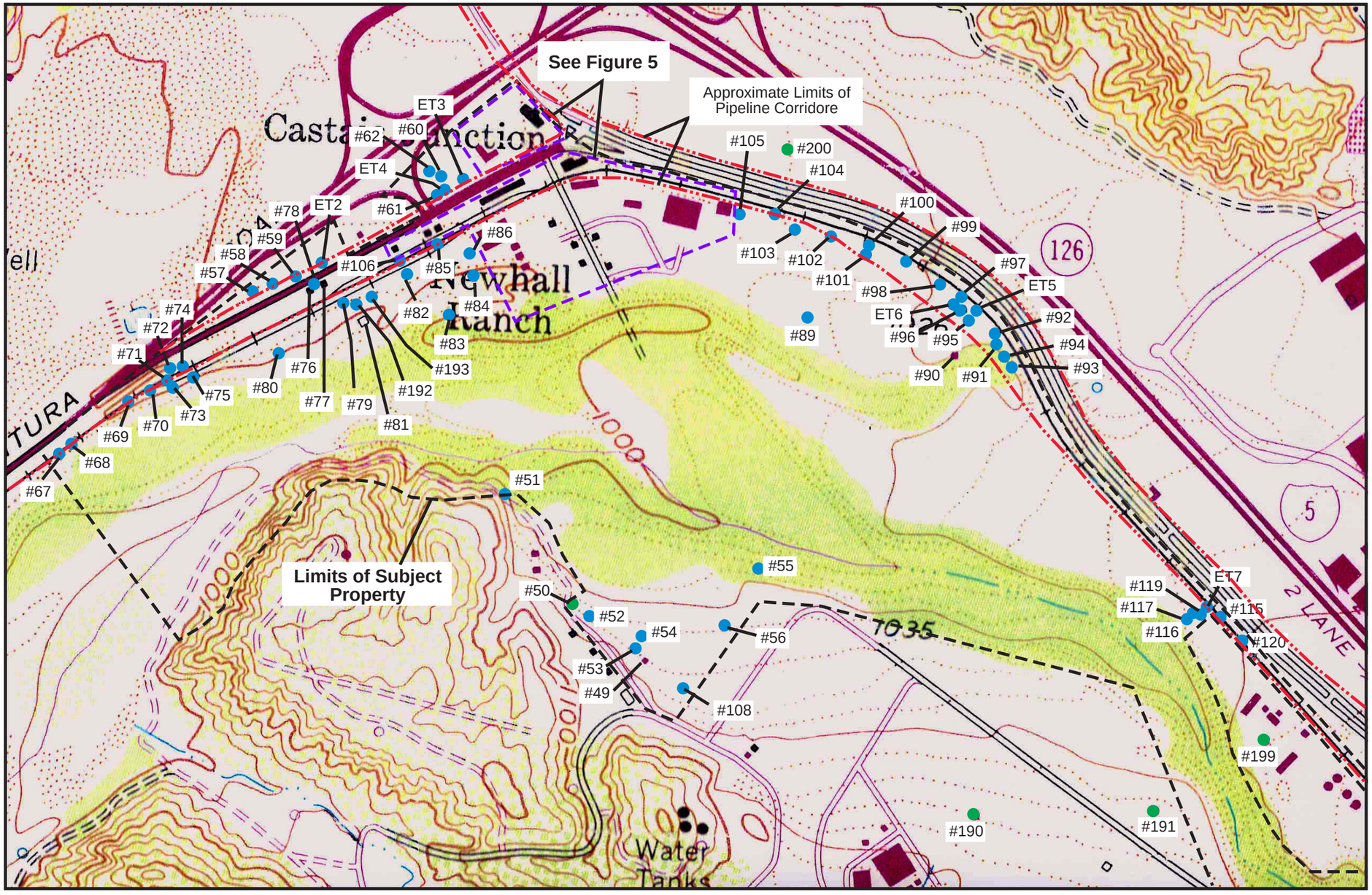
0 956

Approximate Scale, feet

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Entrada Development Map
PROJECT: **Entrada Development**
Tract Map No. 53295
Valencia, California

PROJECT NO.
107007

FIGURE
2



BA ENVIRONMENTAL

NORTH

0 667

Approximate Scale, feet

LEGEND

= Location of Identified Former Oil Well or Suspect Oil Well

= Exploratory Pads or Unidentified Cleared Areas

= Other Points of Intrest

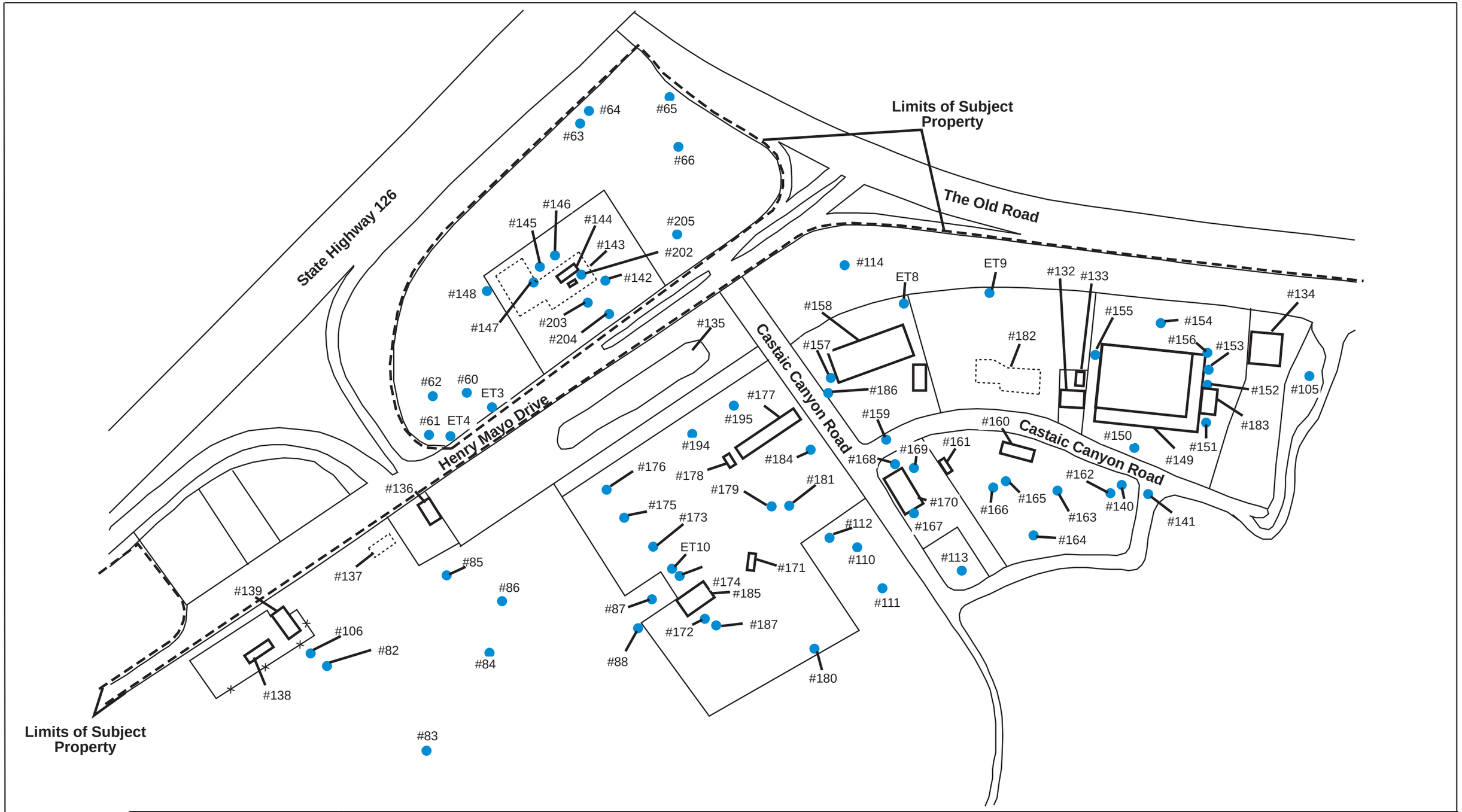
#1 = POI Designation

ET1 = Electrical Transformer Designation

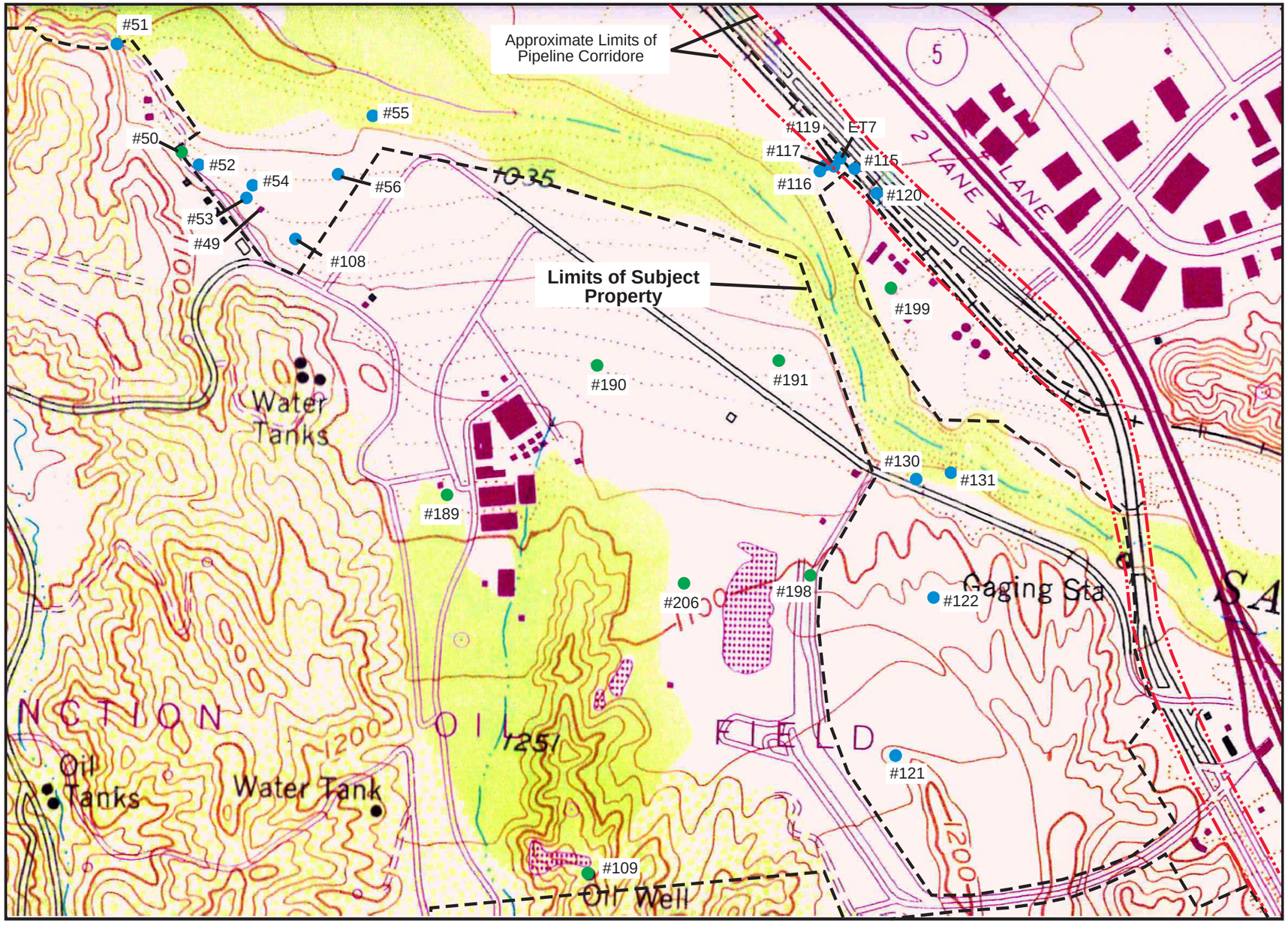
PHASE I ENVIRONMENTAL SITE ASSESSMENT
Points of Interest (POI) Northern Portion
PROJECT: **Entrada Development**
Tract Map No. 53295
Henry Mayo Drive and The Old Road
Valencia, California

PROJECT NO. **107007**

FIGURE **3**



BA ENVIRONMENTAL	NORTH	0 175 Approximate Scale, feet	LEGEND ● = Location of Identified Former Oil Well or Suspect Oil Well ● = Exploratory Pads or Unidentified Cleared Areas ● = Other Points of Intrest #1 = POI Designation ET1 = Electrical Transformer Designation	**PHASE I ENVIRONMENTAL SITE ASSESSMENT** **Points of Interest (POI) Norhtern Developed Area** PROJECT: **Entrada Development** **Tract Map No. 53295** **Henry Mayo Drive and The Old Road** **Valencia, California**	PROJECT NO. **107007** FIGURE **4**



BA ENVIRONMENTAL

NORTH

0 667

Approximate Scale, feet

LEGEND

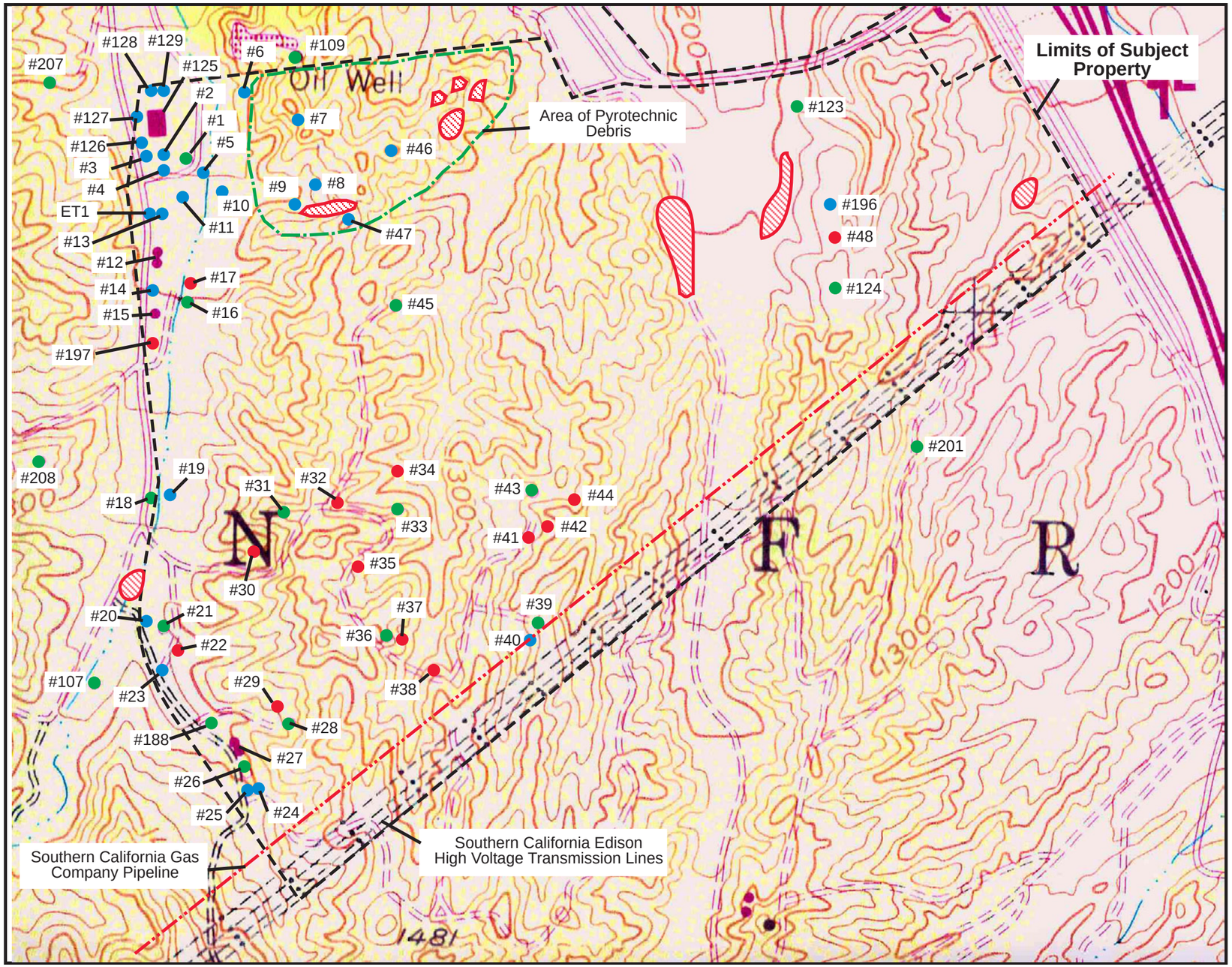
- = Location of Identified Former Oil Well or Suspect Oil Well
- = Exploratory Pads or Unidentified Cleared Areas
- = Other Points of Intrest

#1 = POI Designation ET1 = Electrical Transformer Designation

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Points of Intrest (POI) Central Portion
PROJECT: **Entrada Development**
Tract Map No. 53295
Henry Mayo Drive and The Old Road
Valencia, California

PROJECT NO. **107007**

FIGURE **5**



BA ENVIRONMENTAL

NORTH

0 667

Approximate Scale, feet

LEGEND

- = Location of Identified Former Oil Well or Suspect Oil Well
- = Exploratory Pads or Unidentified Cleared Areas
- = Other Points of Intrest

#1 = POI Designation

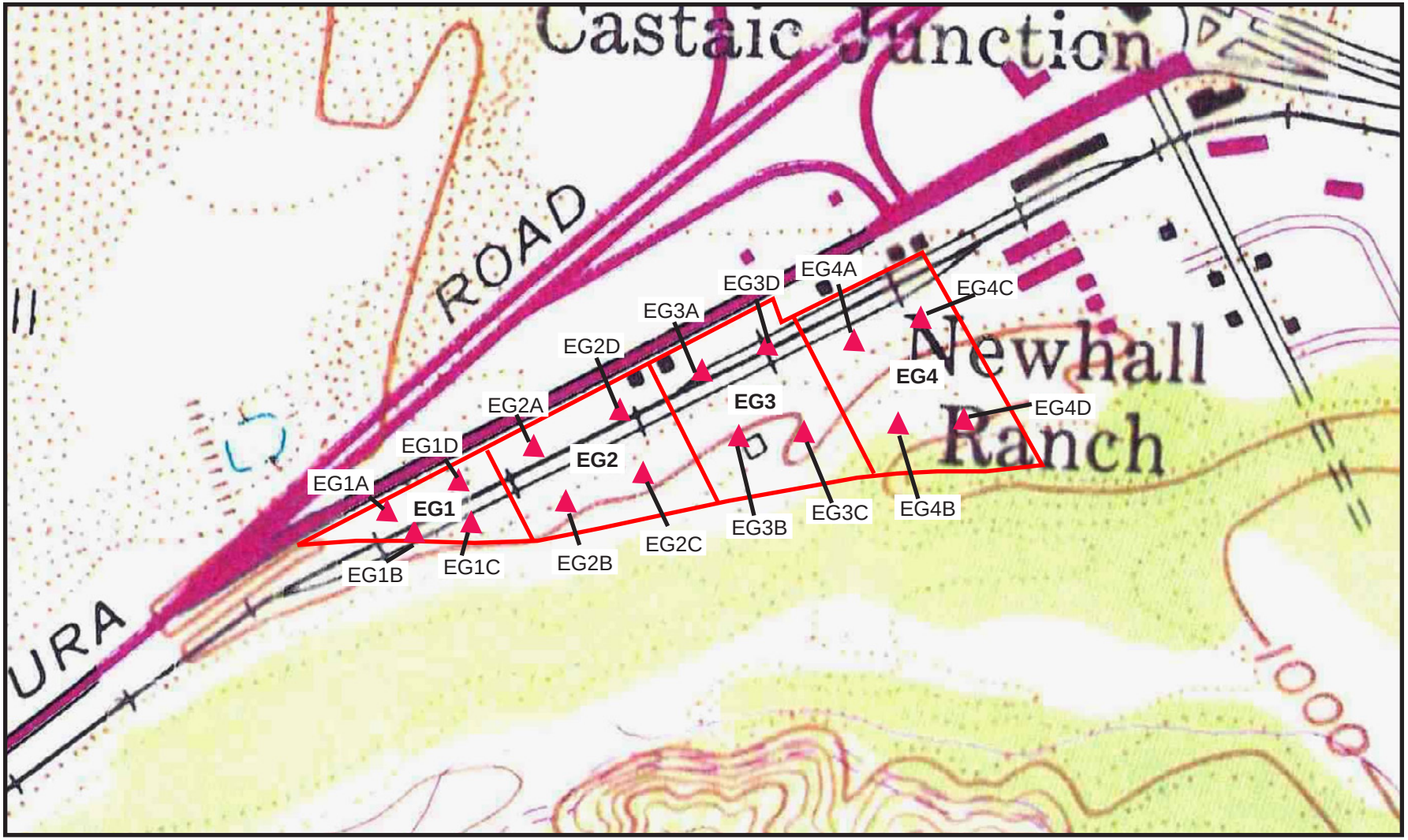
ET1 = Electrical Transformer Designation

= Locations of Spine Flowers

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Points of Intrest (POI) Southern Portion
PROJECT: **Entrada Development**
Tract Map No. 53295
Henry Mayo Drive and The Old Road
Valencia, California

PROJECT NO.
107007

FIGURE
6



Legend

EG1 = Sample Grid Number

EG1A = Soil Sample Location and Designation

BA ENVIRONMENTAL

NORTH

0 435

Approximate Scale, feet

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Pesticide Sample Locations

PROJECT: **Entrada Development**
Tract Map No. 53295
Henry Mayo Drive and The Old Road
Valencia, California

PROJECT NO. **107007**

FIGURE **7**

TABLES

Table 1
Points of Interest
Entrada Development
Tract Map No. 53295
Henry Mayo Drive and The Old Road
Valencia, California

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#01	Abandoned Oil Well Newhall Land and Farm #35	Entrada	1155'	N 34° 25.135' W 118° 35.979'	Visual observation Well marker present Some concrete, asphalt and steel debris Observed on DOGGR Map, topographic map and aerial photographs Installed: 10/18/54 TD: 10,995' Abandoned: 1986
#02	Vertical pipe with cementitious coating	Entrada	1166'	N 34° 25.131' W 118° 35.998'	Visual observation
#03	Areas of oil staining and asphaltic sands	Entrada	1209'	N 34° 25.128' W 118° 36.017'	Visual observation 54' by 66' area Appears surficial, 2" to 4" bgs
#04	Areas of oil staining	Entrada	1209'	N 34° 25.117' W 118° 36.003'	Visual observation 81' by 42' area Appears surficial, 2" to 4" bgs
#05	Concrete, steel and asphalt debris	Entrada	1163'	N 34° 25.114' W 118° 35.944'	Visual observation
#06	Steel and concrete structure in ground surrounded by asphalt and concrete debris	Entrada	1278'	N 34° 25.207' W 118° 35.298'	Visual observation No staining
#07	Scattered pyrotechnic debris	Entrada	1256'	N 34° 25.179' W 118° 35.839'	Visual observation Large area of cleared hill side covered with broken cardboard shell cases labeled as fireworks, and wiring
#08	Wooden posts and chicken wire debris	Entrada	1205'	N 34° 25.109' W 118° 35.832'	Visual observation Some concrete and asphalt debris Some pyrotechnic debris in this area
#09	Debris area	Entrada	1189'	N 34° 25.095' W 118° 35.850'	Visual observation Concrete, wood and miscellaneous debris (including old shoe, plastic bottles, cementitious pipe (possibly asbestos-containing)) Possible area of land filling
#10	Debris area	Entrada	1169'	N 34° 25.142' W 118° 35.922'	Visual observation Scattered steel, concrete, wood, asphalt and plastic pipe debris
#11	Debris area	Entrada	1167'	N 34° 25.110' W 118° 35.949'	Visual observation Steel cable, steel, concrete, asphalt and wood debris
#12	Location of former Exxon/Mobil Tank Battery #5	Entrada	1181'	N 34° 25.062' W 118° 36.006'	Area reported to have been remediated Observed on topographic maps and aerial photographs Scattered concrete, asphalt, steel and wood debris Some tar clumps and asphaltic sand
#13	Area of asphalt, asphaltic sand and tar clumps	Entrada	1182'	N 34° 25.096' W 118° 36.003'	Visual observation
#14	Large pile of dirt	Entrada	1201'	N 34° 25.020' W 118° 36.006'	Visual observation Likely generated as part of the remediation of Tanks Battery 5

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#15	Location of form tank	Entrada	1200’	N 34° 24.998’ W 118° 36.013’	Part of former Tank Battery 5 Visual observation Observed on topographic maps and aerial photographs
#16	Abandoned Oil Well Newhall Land and Farm #31	Entrada	1193’	N 34° 24.996’ W 118° 35.990’	Visual observation Well marker present Some concrete and asphalt debris Asphaltic sand and tar clumps with scattered oil staining Observed on DOGGR Map, topographic map and aerial photographs Installed: 4/21/54 TD: 10878’ Abandoned: 1994
#17	Flattened Pad/Former sump location	Entrada	1196’	N 34° 25.037’ W 118° 35.955’	Located approximately 50 feet northeast of POI #16 Visual observation Location of former oil sump observed on 1968 aerial photograph
#18	Abandoned Oil Well Newhall Land and Farm #30	Mission Village (off-site)	1237’	N 34° 24.815’ W 118° 36.020’	Visual observation Well marker not present Some concrete and brick debris Asphaltic sand and tar clumps with some oil staining Observed on DOGGR Map, topographic map and aerial photographs Installed: 1954 TD: 10,570’ Abandoned: 10/18/95
#19	Small concrete footing	Entrada	1234’	N 34° 24.815’ W 118° 35.993’	Visual observation
#20	Small approximate 50 gallon tank	Entrada	1264’	N 34° 24.698’ W 118° 36.018’	Visual observation Small steel tank observed on its side in wash No staining observed around tank
#21	Abandoned Oil Well Newhall Land and Farm #48	Entrada	1274’	N 34° 24.682’ W 118° 36.000’	Visual observation Well marker present Some oil staining approximately 20 feet southeast of well #48 Oil staining approximately 50 feet northwest of well #48 Observed on DOGGR Map, topographic map and aerial photographs Installed: 6/26/55 TD: 11,350” Abandoned: 10/16/92
#22	Cut pad with steel cable	Entrada	1260’	N 34° 24.670’ W 118° 35.982’	Visual observation Located southeast of POI #21
#23	Asphaltic sand in stream channel	Entrada	1241’	N 34° 24.659’ W 118° 36.000’	Visual observation
#24	Settling basin/retention basin	Entrada	1267’	N 34° 24.528’ W 118° 35.882’	Visual observation No visible staining
#25	Octagonal concrete pad	Entrada	1267’	N 34° 24.529’ W 118° 35.884’	Visual observation Located in POI #24 Approximate 12-foot diameter pad Appeared to have tar staining Staining outlined a 10-foot diameter circle Likely a foundation for a former tank

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#26	Area of former possible oil well	Entrada	1276’	N 34° 24.553’ W 118° 35.912’	Depicted on topographic maps Unidentifiable structure observed on 1968 aerial photograph Scattered metal and concrete debris Not observed on DOGGR map No visible well marker
#27	Location of former Exxon/Mobil Tank Battery #8 Water Disposal and Water Disposal System	Entrada	1273’	N 34° 24.576’ W 118° 35.916’	Observed on topographic maps and aerial photographs Area reportedly remediated Scattered wood and concrete debris Scattered asphalt and asphaltic sand
#28	Abandoned Oil Well Newhall Land and Farm #47	Entrada	1305’	N 34° 24.592’ W 118° 35.847’	Visual observation Well marker present Some concrete and wood debris Oil staining approximately 66 feet west of Well #47 Observed on DOGGR Map, topographic map and aerial photographs Installed: 12/6/55 TD: 11,308’ Abandoned: 7/9/93
#29	Large flattened pad	Entrada	1309’	N 34° 24.6121 W 118° 35.876’	Visual observation Cylindrical concrete object approximately 8 feet long and 1.5 feet in diameter in northwestern portion of POI Possible former sump location
#30	Large flattened pad	Entrada	1281’	N 34° 24.765’ W 118° 35.898’	Visual observation Observed on aerial photographs Shallow oil staining throughout pad area (approximately 2” to 4” deep) Possible former sump area
#31	Abandoned Oil Well Newhall Land and Farm #37	Entrada	1341’	N 34° 24.798’ W 118° 35.874’	Visual observation Well marker present Scattered asphaltic sand, oil staining and tar clumps Observed on DOGGR Map, topographic map and aerial photographs Installed: 9/7/54 TD: 11,425’ Abandoned: 9/29/78
#32	Flattened pad	Entrada	1340’	N 34° 24.810’ W 118° 35.791’	Visual observation No staining
#33	Abandoned Oil Well Newhall Land and Farm #38	Entrada	1337’	N 34° 24.798’ W 118° 35.723’	Visual observation Well marker present Observed on DOGGR Map, topographic map and aerial photographs Installed: 12/13/54 TD: 10,990’ Abandoned: 10/8/92
#34	Flattened pad	Entrada	1300’	No GPS Coordinates	Visual observation Location not accessible Observed on aerial photographs
#35	Flattened pad	Entrada	1332’	N 34° 24.749’ W 118° 35.772’	Visual observation Minor shallow oil staining

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#36	Abandoned Oil Well Newhall Land and Farm #43	Entrada	1369’	N 34° 24.674’ W 118° 35.732’	Visual observation Well marker present Some wood and steel debris Observed on DOGGR Map, topographic map and aerial photographs Installed; 4/4/55 TD: 11,550’ Abandoned: 10/6/95
#37	Flattened pad	Entrada	1304’	N 34° 24.696’ W 118° 35.738’	Visual observation Observed on aerial photographs
#38	Flattened pad	Entrada	1343’	N 34° 24.641’ W 118° 35.738’	Visual observation
#39	Abandoned Oil Well Newhall Land and Farm #51	Entrada	1334’	N 34° 24.688’ W 118° 35.556’	Visual observation Well marker present Some asphaltic sand and tar clumps Observed on DOGGR Map, topographic map and aerial photographs Installed: 8/18/55 TD: 11,363’ Abandoned: 9/22/95
#40	SCG gas pipeline marker	Entrada	1333’	N 34° 24.676’ W 118° 35.564’	Visual observation
#41	Flattened pad	Entrada	1290’	N 34° 24.781’ W 118° 35.548’	Visual observation, no marker
#42	Large flattened pad	Entrada	1325’	N 34° 24.780’ W 118° 35.559’	Visual observation West of POI 43 Some shallow oil staining, approximately 2 to 4 inches deep
#43	Abandoned Oil Well Newhall Land and Farm #44	Entrada	1311’	N 34° 24.823’ W 118° 35.567’	Visual observation Well marker present Some asphaltic sand and oil staining Observed on DOGGR Map, topographic map and aerial photographs Installed: 4/28/55 TD: 10,983’ Abandoned: 5/25/90
#44	Flattened pad	Entrada	1380’	N 34° 24.812’ W 118° 35.517’	Visual observation Observed on aerial photographs
#45	Abandoned Oil Well Newhall Land and Farm #36	Entrada	1252’	N 34° 24.997’ W 118° 35.734’	Visual observation Well marker present Some asphaltic sand and oil staining Observed on DOGGR Map, topographic map and aerial photographs Installed: 9/25/55 TD: 11,275 Abandoned: 2/22/94
#46	Approximate 4,000-gallon polyethylene AST	Entrada	1330’	N 34° 25.156’ W 118° 35.737’	Visual observation Appeared to contain water for fire suppression
#47	Approximate 3,000-gallon polyethylene AST	Entrada	1270’	N 34° 25.037’ W 118° 35.788’	Visual observation Appeared to contain water for fire suppression
#48	Large graded area	Entrada	1267’	N 34° 25.016 W 118° 35.231’	Visual observation No staining observed
#49	Approximate location of former structure	Entrada	1043’	N 34° 25.918’ W 118° 36.319’	Observed on aerial photographs and topographic maps No visible evidence

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#50	Abandoned Oil Well Newhall Land and Farm #69	Entrada	1010’	N 34° 25.973’ W 118° 36.383’	Visual observation Well marker present Observed on DOGGR Map, topographic map and aerial photographs Installed: 1/31/61 TD: 13,635 Abandoned6/2/88
#51	Old steel water tank	Entrada	1070’	N 34° 26.041’ W 118° 36.439’	Visual observation
#52	Groundwater monitoring well	Entrada	1025’	N 34° 25.938’ W 118° 36.351’	Visual observation Depth to groundwater approximately 17.17 feet bgs Well depth 35’
#53	Groundwater monitoring well	Entrada	1019’	N 34° 25.917’ W 118° 36.273’	Visual observation Depth to groundwater approximately 17.48 feet bgs Well depth 60’
#54	Groundwater monitoring well	Entrada	1020’	N 34° 25.917’ W 118° 36.272’	Visual observation Depth to groundwater approximately 15.86 feet bgs Well depth 35’
#55	Approximate 10” diameter vertical pipe with 8” horizontal pipe	Entrada	1014’	N 34° 25.980’ W 118° 36.214’	Visual observation Possible well of some type GPS coordinate off-set by approximately 25 feet
#56	Groundwater monitoring well	Entrada	1018’	N 34° 25.925’ W 118° 36.233’	Visual observation Depth to groundwater approximately 2.40 feet bgs Well depth approximately 30’
#57	Pin flag marking Exxon petroleum pipeline	Entrada	986’	N 34° 26.284’ W 118° 36.743’	Visual observation
#58	Concrete debris and concrete pipe	Entrada	995’	N 34° 26.285’ W 118° 36.721’	Visual observation Two lengths appear to be fibrous and may contain asbestos
#59	Marker for municipal water pipeline	Entrada	992’	N 34° 26.290’ W 118° 36.707’	Visual observation
#60	Water Well (E9)	Entrada	1002’	N 34° 26.384’ W 118° 36.533’	Visual observation Minor oil staining on the dirt surface surrounding the well pump
#61	Marker for Mobil Oil pipeline	Entrada	1008’	N 34° 26.370’ W 118° 36.553’	Visual observation
#62	Asphalt debris pile	Entrada	1005’	N 34° 26.374’ W 118° 36.547’	Visual observation
#63	Concrete stand pipe	Entrada	1008’	N 34° 26.477’ W 118° 36.478’	Visual observation Likely former irrigation stand pipes
#64	Marker for Mobil Oil petroleum pipeline	Entrada	1004’	N 34° 26.479’ W 118° 36.473’	Visual observation
#65	Circular concrete patch	Entrada	1011’	N 34° 26.481’ W 118° 36.441’	Visual observation Possible location of former groundwater monitoring well associated with former gasoline service station
#66	Approximate location of former Chevron gasoline service station	Entrada	1017’	N 34° 26.473’ W 118° 36.433’	Scattered concrete and steel debris Observed on aerial photographs
#67	10” PVC vertical pipe	Entrada	993’	N 34° 26.086’ W 118° 37.049’	Visual observation Extends approximately 3 feet bgs Purpose unknown
#68	Groundwater monitoring well	Entrada	990’	N 34° 26.088’ W 118° 37.042’	Visual observation No water in well Well depth approximately 26’

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#69	Groundwater monitoring well	Entrada	992’	N 34° 26.128’ W 118° 36.994’	Visual observation Depth to groundwater approximately 26.49 feet bgs Well depth approximately 33’
#70	Marker for Shell Oil petroleum pipeline	Entrada	990’	N 34° 26.148’ W 118° 36.962’	Visual observation
#71	Groundwater monitoring well	Entrada	993’	N 34° 26.158’ W 118° 36.941’	Visual observation Depth to groundwater approximately 26.20 feet bgs Well depth approximately 34’
#72	Marker for Shell Oil petroleum pipeline	Entrada	995’	N 34° 26.175’ W 118° 36.906’	Visual observation
#73	Marker for Shell Oil petroleum pipeline	Entrada	990’	N 34° 26.165’ W 118° 36.896’	Visual observation
#74	Groundwater monitoring well	Entrada	991’	N 34° 26.177’ W 118° 36.397’	Visual observation Depth to groundwater approximately 25.60 feet bgs Well depth approximately 35’
#75	Marker for Shell Oil petroleum pipeline	Entrada	984’	N 34° 26.169’ W 118° 36.737’	Visual observation
#76	Approximate location of former structure	Entrada	998’	N 34° 26.262’ W 118° 36.733’	Observed on aerial photographs and topographic maps No visible evidence
#77	Approximate location of former structure	Entrada	1000’	N 34° 26.267’ W 118° 36.717’	Observed on aerial photographs and topographic maps No visible evidence
#78	Stand pipe	Entrada	1001’	N 34° 26.273’ W 118° 36.724’	Visual observation Irrigation stand pipe
#79	Marker for Shell Oil petroleum pipeline	Entrada	1010’	N 34° 26.262’ W 118° 36.680’	Visual observation
#80	Stand pipe	Entrada	988’	N 34° 26.209’ W 118° 36.722’	Visual observation Irrigation stand pipe
#81	Approximate location of former structure	Entrada	1095’	N 34° 26.281’ W 118° 36.626’	Observed on aerial photographs and topographic maps No visible evidence
#82	Two vertical 8” diameter transite pipes	Entrada	1017’	N 34° 26.264’ W 118° 36.581’	Visual observation Pipes may contain asbestos Associated with municipal water system
#83	Concrete debris	Entrada	992’	N 34° 26.225’ W 118° 36.479’	Visual observation
#84	Vertical steel pipes	Entrada	995’	N 34° 26.290’ W 118° 36.488’	Visual observation In line with municipal water line
#85	Marker for Shell Oil petroleum pipeline	Entrada	999’	N 34° 26.323’ W 118° 36.543’	Visual observation
#86	Vertical 8” diameter pipe	Entrada	1013’	N 34° 26.319’ W 118° 36.434’	Visual observation Associated with municipal water system
#87	Storage area	Entrada	1002’	N 34° 26.303’ W 118° 36.467’	Visual observation Old steel and concrete pipe sections Concrete and wood debris
#88	Small area of stained soil	Entrada	1003’	N 34° 26.293’ W 118° 36.466’	Visual observation 12’ by 4’ area Approximately 4” to 6” bgs Originating from beneath truck trailer in fenced area No distinct odor

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#89	Stand pipe	Entrada	999’	N 34° 26.189’ W 118° 36.052’	Visual observation Irrigation stand pipe
#90	Approximate location of former structure	Entrada	1016’	N 34° 26.198’ W 118° 35.901’	Observed on aerial photographs and topographic maps Some concrete debris Steel marker stake
#91	Marker for Equilon Pipeline Company (formerly Texaco) petroleum pipeline	Entrada	1022’	N 34° 26.223’ W 118° 35.830’	Visual observation
#92	Wood and steel debris	Entrada	1021’	N 34° 26.224’ W 118° 35.829’	Visual observation Debris from old railroad trestle Creosote coating on wooden timbers
#93	Area of exposed pipelines	Entrada	1021’	N 34° 26.220’ W 118° 35.828’	Visual observation 10” diameter Equilon pipeline (active) 10” diameter pipeline (capped) 12” diameter pipeline (capped) 10” diameter Shell Oil pipeline (active) Exposed in stream channel
#94	Unidentified marker for capped petroleum pipeline	Entrada	1020’	N 34° 26.221’ W 118° 35.829’	Visual observation Associated with capped pipeline observed at PIO #93
#95	Marker for Shell Oil petroleum pipeline	Entrada	1025’	N 34° 26.258’ W 118° 35.849’	Visual observation
#96	Water Well	Entrada	1021’	N 34° 26.269’ W 118° 35.879’	Visual observation Minor oil staining on the dirt surface surrounding the well pump
#97	Marker for Shell Oil petroleum pipeline	Entrada	1021’	N 34° 26.282’ W 118° 35.879’	Visual observation
#98	Manway and vault for SCG gas pipeline	Entrada	1028’	N 34° 26.303’ W 118° 35.892’	Visual observation
#99	Marker for Shell Oil petroleum pipeline and SCG gas pipeline	Entrada	1030’	N 34° 26.341’ W 118° 35.957’	Visual observation
#100	Marker for Mobil Oil petroleum pipeline	Entrada	1025’	N 34° 26.351’ W 118° 35.986’	Visual observation
#101	Location of abandoned concrete stand pipe	Entrada	1014’	N 34° 26.341’ W 118° 36.009’	Visual observation Former irrigation standpipe
#102	Marker for Shell Oil petroleum pipeline	Entrada	1013’	N 34° 26.352’ W 118° 36.037’	Visual observation
#103	Marker for Shell Oil petroleum pipeline	Entrada	1018’	N 34° 26.363’ W 118° 36.091’	Visual observation
#104	Marker for SCG gas pipeline	Entrada	1006’	N 34° 26.879’ W 118° 36.110’	Visual observation
#105	Concrete lined catchbasin/settling basin	Entrada	1006’	N 34° 26.356’ W 118° 36.172’	Visual observation No staining observed
#106	Marker for Shell Oil petroleum pipeline	Entrada	974’	N 34° 26.298’ W 118° 36.601’	Visual observation
#107	Abandoned Oil Well Newhall Land and Farm #49	Mission Village (off-site)	1250’	N 34° 24.633’ W 118° 36.086’	Visual observation Well marker present Asphaltic sand, tar clumps and some oil staining Observed on DOGGR Map, topographic map and aerial photographs Installed: 1955 TD:10,928 Abandoned:10/31/91

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
108	Groundwater monitoring well	Entrada	1030’	N 34° 25.871’ W 118° 36.262’	Visual observation Depth to groundwater approximately 15.76 feet bgs Well depth approximately 35’
#109	Abandoned Oil Well Chevron USA NL&F 6	Off-site	~1,240’	No GPS Coordinates	Observed on aerial photographs and topographic map Located beneath water ride on Magic Mountain property. According to Mr. Tim Burkhart, the well was observed to have been reabandoned during the construction of the ride.
#110	Location of Former Structure	Entrada	993’	N 34° 26.322’ W 118° 36.369’	Observed on aerial photographs Reported to be former Newhall Land & Farming Company house Demolished Minor amount of wood debris observed in area An approximate length of 18” diameter tar coated steel pipe was observed in western portion of POI
#111	Location of Former Structure	Entrada	995’	N 34° 26.308’ W 118° 36.379’	Observed on aerial photographs Reported to be former Newhall Land & Farming Company dormitory Demolished Minor amount of brick and wood debris observed in area
#112	Possible piezometer	Entrada	999’	N 34° 26.323’ W 118° 36.325’	Visual observation 1” diameter casing Well depth approximately 16.65 feet bgs Depth to water approximately 14.25 feet bgs
#113	Location of Former Structure	Entrada	1002’	N 34° 26.323’ W 118° 36.325’	Observed on aerial photographs Reported to be former Newhall Land & Farming Company dormitory Demolished Pile of concrete and brick debris
#114	Location of former restaurant	Entrada	1010’	N 34° 26.420’ W 118° 36.374’	Observed on aerial photographs and topographic maps Formerly the Blue Moon Club Demolished
#115	Unidentifiable 5’x5’ concrete pad behind location of former restaurant building	Entrada	1007’	N 34° 26.414’ W 118° 36.381’	Visual observation
#116	Cleared area	Entrada	1079’	N 34° 25.975’ W 118° 35.598’	Observed on aerial photographs Visual observations
#117	Shell Oil company pipe line valves and marker	Entrada	1046’	N 34° 25.978’ W 118° 35.586’	Visual observation
#118	Pile of asphalt, brick and concrete debris	Entrada	1040’	N 34° 25.976’ W 118° 35.565’	Visual observation
#119	Shell Oil petroleum pipeline marker (former Texaco petroleum pipeline marker)	Entrada	1047’	N 34° 25.972’ W 118° 35.575’	Visual observation
#120	Pacific petroleum pipeline marker and 2 access covers	Entrada	1036’	N 34° 25.963’ W 118° 35.545’	Visual observation
#121	Location of former irrigation water well	Entrada	1126’	N 34° 25.366’ W 118° 35.432’	Visual observation Observed on aerial photographs and topographic maps
#122	Pile of concrete debris with some steel rebar	Entrada	1075’	N 34° 25.566’ W 118° 35.450’	Visual observation
#123	Approximate location of abandoned oil well Deklab Energy NL&F Co. 1	Entrada	1187’	N 34° 25.171’ W 118° 35.310’	No well marker present No visible debris Observed on DOGGR Map and aerial photographs Installed: Unknown TD: Unknown Abandoned: Unknown

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#124	Approximate location of abandoned oil well NL&F Magic Mountain 1	Entrada	1275’	N 34° 25.003’ W 118° 35.253’	No well marker present No visible debris Original well location buried beneath approximately 20’ to 40’ of fill Observed on DOGGR Map and aerial photographs Installed: 5/25/01 TD: 12,987’ Abandoned: 5/25/01
#125	Magic Mountain nursery building	Entrada	1689’	N 34° 25.211’ W 118° 35.985’	Visual observation Observed on aerial photographs and topographic maps
#126	2 empty 55-gallon drums	Entrada	1170’	N 34° 25.150’ W 118° 36.012’	Visual observation Labeled as formerly containing mineral oil
#127	Muriatic acid and chlorine storage tanks	Entrada	1145’	N 34° 25.177’ W 118° 36.047’	Visual observation Muriatic acid tank approximately 500-gallon capacity Chlorine tank approximate 400-gallon capacity Both tanks in concrete secondary containment Some degraded concrete observed within the containment
#128	Tool storage shed	Entrada	1153’	N 34° 25.186’ W 118° 36.028’	Visual observation
#129	Approximate 1,000-gallon propane tank	Entrada	1155’	N 34° 25.187’ W 118° 36.011’	Visual observation Reported no longer used
#130	Groundwater Monitoring Well	Entrada	1055’	N 34° 25.635’ W 118° 35.431’	Visual observation Depth to groundwater approximately 34.00 feet bgs Well depth 48.5’
#131	Pipeline crossing	Entrada	1054’	N 34° 25.636’ W 118° 35.116’	Visual observation Crossing for two 6” to 8” pipelines
#132	Newhall Land & Farming Field Office 28758 Castaic Canyon Road	Entrada	1085’	N 34° 26.356’ W 118° 36.290’	Visual observation Former single-family residence Likely has septic tank Possible ACMs and lead-based paint
#133	Detached Garage	Entrada	1085’	N 34° 26.370’ W 118° 36.286591’	Visual observation Associated with POI #132 Possibly contains ACMs and lead-based paint
#134	Commercial Building Analytics 28754 Castaic Canyon Road	Entrada	1033’	N 34° 26.366’ W 118° 36.187’	Visual observation Used by NL&F for storage Likely has a septic tank Possibly contains ACMs and lead-based paint Significant mold growth observed inside building
#135	Location of Former Building Current address 26950 Henry Mayo Drive	Entrada	1058’	N 34° 26.365’ W 118° 36.484’	Visual observation Vacant parcel Likely had a septic tank Used by NL&F for storage Formerly occupied by Dynelectric Former addresses 27050 and 27102 Henry Mayo Drive
#136	Vacant building 27152 Henry Mayo Drive	Entrada	988’	N 34° 26.336’ W 118° 36.560’	Visual observation Formerly occupied by a welder Likely has a septic tank
#137	Location of former structure	Entrada	906’	N 34° 26.317’ W 118° 36.579’	Visual observation Only concrete foundation remaining Likely had a septic tank

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#138	Canopy	Entrada	1028’	N 34° 26.299’ W 118° 36.638’	Visual observation Associated with POI #139
#139	Vacant building 27228 Henry Mayo Drive	Entrada	1031’	N 34° 26.305’ W 118° 36.625’	Visual observation Formerly NL&F Maintenance Office Observed to contain various containers of paint Likely has a septic tank
#140	Location of former structure	Entrada	1047’	N 34° 26.315’ W 118° 36.244’	Observed in 1952 aerial photograph
#141	Approximate 6” diameter hole/possible soil boring	Entrada	1010’	N 34° 26.393’ W 118° 36.338’	Visual observation 6” diameter hole in asphalt extending down approximately 2 feet bgs Possible former soil boring Dirt sidewalls
#142	Water production well	Entrada	1009’	N 34° 26.421’ W 118° 36.468’	Visual observation Some oil staining around surface pump unit
#143	Concrete pad 27051 Henry Mayo Drive	Entrada	1013’	N 34° 26.415’ W 118° 36.481’	Visual observation Former building foundation currently occupied by small storage shed
#144	Office trailer	Entrada	1013’	N 34° 26.420’ W 118° 36.485’	Visual observation Occupied by Castaic Union School District
#145	Vault	Entrada	1039’	N 34° 26.422’ W 118° 36.491’	Visual observation Interior not accessible
#146	Utility accesses	Entrada	934’	N 34° 26.418’ W 118° 36.491’	Visual observation Interior not accessible
#147	Utility accesses	Entrada	934’	N 34° 26.418’ W 118° 36.491’	Visual observation Interior not accessible
#148	Drum storage	Entrada	948’	N 34° 26.417’ W 118° 36.523’	Visual observation Waste oil drums stored in secondary containment
#149	Commercial Building 28756 Castaic Canyon Road	Entrada	914’	N 34° 26.348’ W 118° 36.245’	Visual observation Occupied by BBB Industries and Santa Clarita Concrete Likely has septic tanks Several 55-gallon drums and smaller containers observed Possible ACMs and lead-based paint
#150	Utility accesses	Entrada	914’	N 34° 26.347’ W 118° 36.247’	Visual observation Interior not accessible
#151	Sump in truck loading dock	Entrada	988’	N 34° 26.347’ W 118° 36.231’	Visual observation Pump with hose located within sump
#152	Drum storage area	Entrada	1011’	N 34° 26.363’ W 118° 36.222’	Visual observation 7 drums
#153	Propane AST	Entrada	1005’	N 34° 26.361’ W 118° 36.215’	Visual observation
#154	Drum Storage	Entrada	1180’	N 34° 26.379’ W 118° 36.241’	Visual observation 2 drums
#155	Old truck fuel tank	Entrada	1000’	N 34° 26.380’ W 118° 36.260’	Visual observation Appears to be empty
#156	Seven 5-gallon paint containers	Entrada	1000’	N 34° 26.373’ W 118° 36.221’	Visual observation Appear to be reused and contain unknown contents

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#157	Drum storage area	Entrada	1062’	N 34° 26.371’ W 118° 36.381’	Visual observation Used to store waste oil 4 drums waste oil, 2 drums used oil filters Drums located within secondary containment Minor staining within containment
#158	Building	Entrada	1118’	N 34° 26.360’ W 118° 36.371’	Visual observation
#159	“Fill Box” in street	Entrada	1000’	N 34° 26.345’ W 118° 36.359’	Visual observation Flush mounted box labeled “Fill Box” Located in Castaic Canyon Road Possible former UST location
#160	Office Trailer	Entrada	936’	N 34° 26.325’ W 118° 36.306’	Visual observation
#161	Office Trailer	Entrada	997’	N 34° 26.349’ W 118° 36.336’	Visual observation
#162	2 storage containers	Entrada	1000’	N 34° 26.326’ W 118° 36.278’	Visual observation Interior access not available
#163	Concrete pad	Entrada	1000’	N 34° 26.328’ W 118° 36.291’	Visual observation
#164	Concrete pad	Entrada	1000’	N 34° 26.303’ W 118° 36.304’	Visual observation
#165	Concrete pad	Entrada	1000’	N 34° 26.333’ W 118° 36.314’	Visual observation Probable location of former fuel UST and dispenser
#166	Concrete pad	Entrada	1000’	N 34° 26.327’ W 118° 36.315’	Visual observation Probable location of former fuel UST and dispenser
#167	Drum storage	Entrada	915’	N 34° 26.328’ W 118° 36.328’	Visual observation 2 empty unlabeled drums
#168	Oil staining	Entrada	1040’	N 34° 26.326’ W 118° 36.329’	Visual observation
#169	Oil staining	Entrada	1040’	N 34° 26.345’ W 118° 36.353’	Visual observation
#170	Commercial Building	Entrada	935’	N 34° 26.347’ W 118° 36.344’	Visual observation Occupied by Al’s Towing & Repair
#171	Office Trailer	Entrada	1011’	N 34° 26.326’ W 118° 36.424’	Visual observation
#172	Area of waste oil storage	Entrada	1011’	N 34° 26.286’ W 118° 36.437’	Visual observation Small amounts of waste oil
#173	Former building location	Entrada	1023’	N 34° 26.379’ W 118° 36.374’	Location based on topographic maps and aerial photographs
#174	Concrete pad	Entrada	944’	No GPS Coordinates	Visual observation Reported to be the location of a former canopy Observed in aerials photographs and topographic maps
#175	Drain	Entrada	994’	N 34° 26.331’ W 118° 36.480’	Visual observation No staining
#176	Concrete pad	Entrada	994’	No GPS Coordinates	Visual observation Reported to be the location of a former canopy Observed in aerials photographs and topographic maps

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#177	Commercial Building 28769 Castaic Canyon Road	Entrada	1024’	N 34° 26.360’ W 118° 36.404’	Visual observation Occupied by U-Haul rental office Observed in aerials photographs and topographic maps
#178	Small storage building	Entrada	977’	N 34° 26.054’ W 118° 36.423’	Visual observation
#179	County owned rain gauge	Entrada	970’	N 34° 26.334’ W 118° 36.408’	Visual observation
#180	Diesel generator	Entrada	999’	N 34° 26.275’ W 118° 36.400’	Visual observation No staining
#181	Storage area	Entrada	1009’	N 34° 26.274’ W 118° 36.417’	Visual observation
#182	Former building location/concrete pad 28760 Castaic Canyon Road	Entrada	1024’	N 34° 26.376’ W 118° 36.321’	Visual observation
#183	Spray Booth	Entrada	1011’	N 34° 26.363’ W 118° 36.222’	Visual observation No longer in use Used for storage Contains three 15-gallon drums of unknown contents
#184	Location of former building 28763 Castaic Canyon Road	Entrada	1020’	N 34° 26.352’ W 118° 36.376’	Observed on aerial photographs and topographic maps
#185	Building (Barn Building) 28755 Castaic Canyon Road	Entrada	1011’	N 34° 26.286’ W 118° 36.437’	Visual observation
#186	Former Building	Entrada	1020’	No GPS Coordinates	Observed on aerial photographs
#187	Former Building	Entrada	1011’	No GPS Coordinates	Observed on topographic map and aerial photographs
#188	Possible oil well location	Entrada	1297’	N 34° 26.593’ W 118° 36.916’	Observed on topographic map Not on DOGGR Map No marker Observed tar clumps and asphaltic sand
#189	Former Oil well location NL&F #60	Off-site	1085’	No GPS Coordinates	Observed on DOGGR Map Observed on topographic map/aerial photograph On Magic Mountain property
#190	Former Oil well location NL&F #73	Off-site	1070’	No GPS Coordinates	Observed on DOGGR Map Observed on topographic map/aerial photograph On Magic Mountain property
#191	Former Oil well location NL&F #74	Off-site	1065’	No GPS Coordinates	Observed on DOGGR Map Observed on topographic map/aerial photograph On Magic Mountain property
#192	Location of former structure	Entrada	1056’	N 34° 26.302’ W 118° 36.597’	Observed on 1928 aerial photograph
#193	Location of former structure	Entrada	1057’	N 34° 26.303’ W 118° 36.590’	Observed on aerial photograph
#194	2 former small structures	Entrada	1010’	No GPS Coordinates	Observed on 1947 aerial photograph
#195	1 former small structure	Entrada	1010’	No GPS Coordinates	Observed on 1947 aerial photograph
#196	Possible small structure	Entrada	1275’	No GPS Coordinates	Observed on 1947 aerial photograph
#197	Unidentifiable small structure	Entrada	1190’	N 34° 24.951’ W 118° 36.007’	Observed on 1968 aerial photograph Possible former tank, sump or oil well pump unit

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#198	Former Oil well location NL&F #62	Off-site	1120’	No GPS Coordinates	Observed on DOGGR Map Observed on topographic map/aerial photograph On Magic Mountain property
#199	Former Oil well location NL&F #75	Off-site	1060’	No GPS Coordinates	Observed on DOGGR Map Observed on topographic map/aerial photograph
#200	Former Oil well Texaco E&P Newhall F-1	Off-site	1010’	No GPS Coordinates	Based on DOGGR map
#201	Former Oil well Quintana Petroleum Corp. NL&F Valencia 1	Off-site	1260’	No GPS Coordinates	Based on DOGGR map
#202	Location of septic tank	Entrada	1000’	N 34° 26.413’ W 118° 36.483’	Visual observation
#203	Soil boring location	Entrada	989’	N 34° 26.413’ W 118° 36.471’	Visual observation
#204	Utility access	Entrada	989’	N 34° 26.407’ W 118° 36.472’	Visual observation Not accessible
#205	Approximate location of four 1,000-gallon USTs	Entrada	1047’	N 34° 26.421’ W 118° 36.444’	Based on environmental former site map Associated with former Chevron gasoline service station 28805 The Old Road USTs reported to have been abandoned in-place by filling them with sand Unknown if USTs have since been removed
#206	Former Oil well location NL&F #61	Off-site	1100’	No GPS Coordinates	Observed on DOGGR Map Observed on topographic map/aerial photograph On Magic Mountain property
#207	Abandoned Oil Well Newhall Land and Farm #29	Mission Village (off-site)	1157’	N 34° 25.212’ W 118° 36.109’	Observed on DOGGR Map Observed on topographic map/aerial photograph Installed: 5/25/01 TD: 10,870 Abandoned: 1990
#208	Abandoned Oil Well Newhall Land and Farm #28	Mission Village (off-site)	1343’	N 34° 24.843’ W 118° 36.149’	Observed on DOGGR Map Observed on topographic map/aerial photograph Installed: 5/25/01 TD: 10,840 Abandoned: 1992

Notes:
GPS coordinates were collected using hand held equipment. This equipment was accurate to between 15 and 45 feet.

GPS = Global Positioning System
* = Elevations based on hand held GPS equipment
** = GPS coordinates based on hand held GPS equipment

Table 2
Locations of Electrical Transformers
Entrada Development
Tract Map No. 53295
Henry Mayo Drive and The Old Road
Valencia, California

Location Number	Number of Transformers	Type	Approximate Elevation*	GPS Coordinates**	Remarks
ET1	3	Pole Mounted	1182’	N 34° 25.091’ W 118° 36.008’	Older cylindrical type
ET 2	2	Pole Mounted	992’	N 34° 26.305’ W 118° 36.694’	New cylindrical type
ET 3	3	Pole Mounted	1001’	N 34° 26.386’ W 118° 36.520’	New cylindrical type
ET 4	3	Pole Mounted	1012’	N 34° 26.369’ W 118° 36.551’	New cylindrical type
ET 5	1	Pole Mounted	1029’	N 34° 26.269’ W 118° 35.879’	New small cylindrical types
ET 6	3	Pole Mounted	1017’	N 34° 26.281’ W 118° 35.894’	New cylindrical type
ET 7	1	Pole Mounted	1040’	N 34° 25.976’ W 118° 35.565’	New small cylindrical type
ET 8	1	Pole Mounted	1015’	N 34° 26.393’ W 118° 36.338’	New cylindrical type
ET 9	1	Pole Mounted	1004’	N 34° 26.393’ W 118° 36.307’	New cylindrical type
ET 10	1	Pole Mounted	988’	N 34° 26.307’ W 118° 36.438’	New cylindrical types

Notes:
GPS coordinates were collected using hand held equipment. This equipment was accurate to between 15 and 45 feet.

GPS = Global Positioning System
* = Elevations based on hand held GPS equipment
** = GPS coordinates based on hand held GPS equipment

Table 5
Soil Sample Analytical Results
OCP, OPP and Chlorinated Herbicides
Entrada Development
Tract Map No. 53295
Henry Mayo Drive and The Old Road
Valencia, California

Sample No.	Development	Date	Depth bgs	OCP (mg/kg)	OPPs (mg/kg)	CH (mg/kg)
EG1-A,B,C,D	Entrada	2-1-07	1.0	ND	ND	ND
EG2-A,B,C,D	Entrada	2-1-07	1.0	**0.001 4,4'-DDE**	ND	ND
EG3-A,B,C,D	Entrada	2-1-07	1.0	**0.001 4,4'-DDE**	ND	ND
EG4-A,B,C,D	Entrada	2-1-07	1.0	ND	ND	ND
PRGs Residential				**4,4'-DDE – 1.7 ca**	NA	NA
PRGs Industrial				**4,4'-DDE – 7.0 ca**	NA	NA
Detection Limits (mg/kg)				**0.001-0.2**	**0.05-0.1**	**0.020-20.0**

Notes:

CH – Chlorinated Herbicides
OCP - Organochlorine Pesticides
OPP - Organophosphorous Pesticides
PRG - Primary Remediation Goal
ND – None detected above detection limits.
NA - Not applicable
bgs - below ground surface
ca – Cancer PRG
ca* - Cancer PRG (where :nc<100x ca)
nc – Non-cancer PRG

- Concentrations are reported in milligrams per kilogram (mg/kg) which is equivalent to parts per million (ppm).
- Analyses for OCP were performed in accordance with the Environmental Protection Agency (EPA) Method No. 8081.
- Analyses for OPP were performed in accordance with the EPA Method No. 8141.
- Analyses for CH were performed in accordance with the EPA Method No. 8151.

SITE PHOTOGRAPHS

Northern Portion

1

1. View of agricultural area of northern portion of Entrada development looking east.

2

2. Looking northwest at agricultural land in northern portion of Entrada Development.

3

3. View of agricultural area of northern portion of Entrada development looking west.

4

4. View of agricultural area of northern portion of Entrada development looking southeast.

5

5. View of agricultural area of northern portion of Entrada development looking southwest.

6

6. View of Santa Clara River channel in northwestern portion of subject site.

7

7. View of Santa Clara River channel in northwestern portion of subject site.

8

8. Small strip of Entrada development located between Henry Mayo Road and State Highway 126.

9

9. Transite pipe (POI #58) in small strip of Entrada development located between Henry Mayo Road and State Highway 126.

10

10. Schwartz Oil Company adjacent to the north of the Entrada development.

11

11. View of Water Well (E9) (POI #60).

12

12. Oil staining around base of POI #60.

13

13. Three pole-mounted electrical transformers (ET3).

14

14. Concrete stand pipe (POI #63) in northeast corner of subject property.

15

15. View of 27051 Henry Mayo Drive facing generally north.

16

16. Production water well (POI #142) located at 27051 Henry Mayo Drive.

17

17. Concrete pad (POI #143)and septic tank (POI #202) located at 27051 Henry Mayo Drive.

18

18. Office trailer (POI #144) located at 27051 Henry Mayo Drive, generally facing to the south.

19

19. Vault (POI #145) and utility access (POI #147) located at 27051 Henry Mayo Drive.

20

20. View of drum storage (POI #148) located at 27051 Henry Mayo Drive.

21

21. Soil boring (POI #203) located at 27051 Henry Mayo Drive.

22

22. View of location of former Chevron gasoline service station at 28805 The Old Road (POI #66).

23

23. Approximate location of three reported abandoned-in-place USTs (POI #205) at the former Chevron gasoline service station at 28805 The Old Road.

24

24. Circular patch (POI #65), likely an abandoned groundwater monitoring well associated with the former Chevron gasoline service station at 28805 The Old Road.

25

25. Oil pipeline marker (POI #73) in northwester portion of subject site.

26

26. Vacant building at 27228 Henry Mayo Drive (POI #139).

27

27. Interior of vacant building at 27228 Henry Mayo Drive (POI #139).

28

28. Paint storage in vacant building at 27228 Henry Mayo Drive (POI #139).

29

29. Vacant building at 27152 Henry Mayo Drive (POI #136).

30

30. Rear of vacant building at 27152 Henry Mayo Drive (POI #136).

31

31. Interior of vacant building at 27152 Henry Mayo Drive (POI #136).

32

32. Concrete pad behind vacant building at 27152 Henry Mayo Drive (POI #136).

33

33. Concrete foundation for former building (POI #137).

34

34. Location of former building, current address 26950 Henry Mayo Drive (POI #135).

35

35. Location of former restaurant, 28743 The Old Road (POI #114).

36

36. Concrete foundation located at 28743 The Old Road (POI #114).

37

37. Concrete foundation located at 28743 The Old Road (POI #114).

38

38. Railroad track debris south of POI #s135 and 136.

39

39. Transite water pipe (POI #82) located in northern portion of the Entrada development.

40

40. Pipe and debris in storage area (POI #87).

41

41. Areas of soil staining (POI #88).

42

42. View of commercial building front office interior (POI #177) located at 28769 Castaic Canyon Road.

43

43. View of ceiling of commercial building (POI #177) located at 28769 Castaic Canyon Road.

44

44. View of office trailer in background (POI #171) looking to the west from the entrance to 28755 Castaic Canyon Road.

45

45. Barn Building (POI #185) located at 28755 Castaic Canyon Road.

46

46. View of interior of Barn Building (POI #185) located at 28755 Castaic Canyon Road.

47

47. View of interior of Barn Building (POI #185) located at 28755 Castaic Canyon Road.

48

48. View of auto and boat tents facing generally south,
located at 28755 Castaic Canyon Road.

49

49 Waste oil containers (POI #172) located at 28755 Castaic Canyon Road.

50

50. Area of former building (POI #173) located at 28755 Castaic Canyon Road.

51

51. View of drain (POI #175) located at 28755 Castaic Canyon Road.

52

52. Concrete pad (POI 174) located at 28755 Castaic Canyon Road.

53

53. Area of former structure (POI #187) located at 28755 Castaic Canyon Road.

54

54. Concrete pad (POI #176) located at 28755 Castaic Canyon Road.

55

55. Area of former structures (POI #194 & 195) located at 28755 Castaic Canyon Road.

56

56. View of county-owned rain gauge (POI #179) located at 28755 Castaic Canyon Road.

57

57. View of inactive diesel generator (POI #180) located at 28755 Castaic Canyon Road.

58

58. View of storage area (POI #181) located at 28755 Castaic Canyon Road.

59

59. Pole-mounted transformer in background (ET10) located at 28755 Castaic Canyon Road.

60

60. View of building (POI #158) located at 28762 Castaic Canyon Road.

61

61. 55-gallon drums of waste oil (POI #157) located at 28762 Castaic Canyon Road.

62

62. View of maintenance lubricants and water-based solvents used for truck maintenance, located at 28762 Castaic Canyon Road.

63

63. Former building concrete pad (POI #186) located at 28762 Castaic Canyon Road.

64

64. Pole-mounted transformer (ET8) located at 28762 Castaic Canyon Road.

65

65. Fill box (POI #159) located adjacent to the driveway at 28762 Castaic Canyon Road.

66

66. Fill box (POI #159) with adjacent circular and linear patterns of cracking in asphalt, similar to a dispenser island.

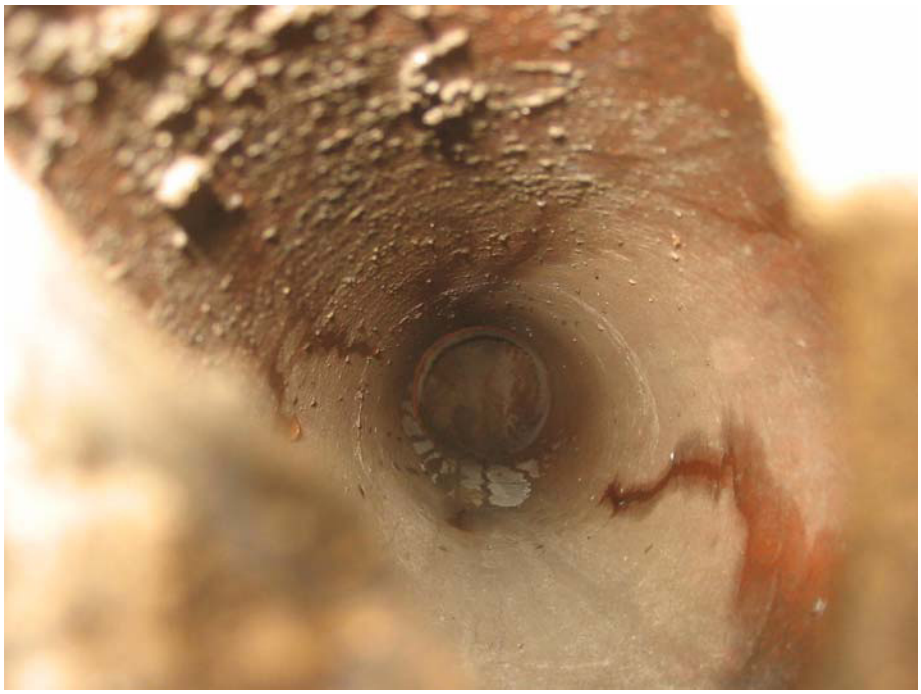
67

67. View of fill box (POI #159).

68

68. Close-up view of fill box (POI #159).

69



69. View looking down fill box opening (POI #159).

70

70. View looking east at 28760 Castaic Canyon Road.

71

71. View looking north at 28755 Castaic Canyon Road.

72

72. View of concrete pad (POI #182) located at 28760 Castaic Canyon Road.

73

73. View of concrete pad (POI #182) located at 28760 Castaic Canyon Road.

74

74. Pole-mounted transformer (ET9) located at 28760 Castaic Canyon Road.

75

75. Newhall Land & Farming Field Office, 28758 Castaic Canyon Road (POI #132).

76

76. Interior of kitchen of 28758 Castaic Canyon Road (POI #132).

77

77. Interior of office area of 28758 Castaic Canyon Road (POI #132).

78

78. Interior of bathroom of 28758 Castaic Canyon Road (POI #132).

79

79. Detached Garage (POI #133) of 28758 Castaic Canyon Road (POI #132).

80

80. Commercial Building (POI #149) located at 28756 Castaic Canyon Road.

81

81. View of utility accesses (POI #150) located at 28756 Castaic Canyon Road.

82

82. View of sump in truck loading dock (POI #151),
located at 28756 Castaic Canyon Road.

83

83. Drum storage area (POI #152) located at 28756 Castaic Canyon Road.

84

84. Propane AST (POI #153) located at 28756 Castaic Canyon Road.

85

85. Fuel can storage adjacent to POI #152 located at 28756 Castaic Canyon Road.

86

86. View of inactive spray booth (POI #183) located at 28756 Castaic Canyon Road.

87

87. Drum storage (POI #154) located at 28756 Castaic Canyon Road.

88

88. 5-gallon paint containers (POI #156) located at 28756 Castaic Canyon Road.

89

89. Old truck fuel tank apparently empty (POI #155), located at 28756 Castaic Canyon Road.

90

90. View of machine shop/maintenance area located at 28756 Castaic Canyon Road.

91

91. Interior of building located at 28756 Castaic Canyon Road.

92

92. Commercial Building 28754 Castaic Canyon Road (POI #134).

93

93. Storage yard at 28754 Castaic Canyon Road (POI #134).

94

94. Interior of 28754 Castaic Canyon Road (POI #134).

95

95. Mold growth on interior of 28754 Castaic Canyon Road (POI #134).

96

96. Groundwater monitoring (POI #68) well in former railroad right-of-way in northwestern corner of subject property.

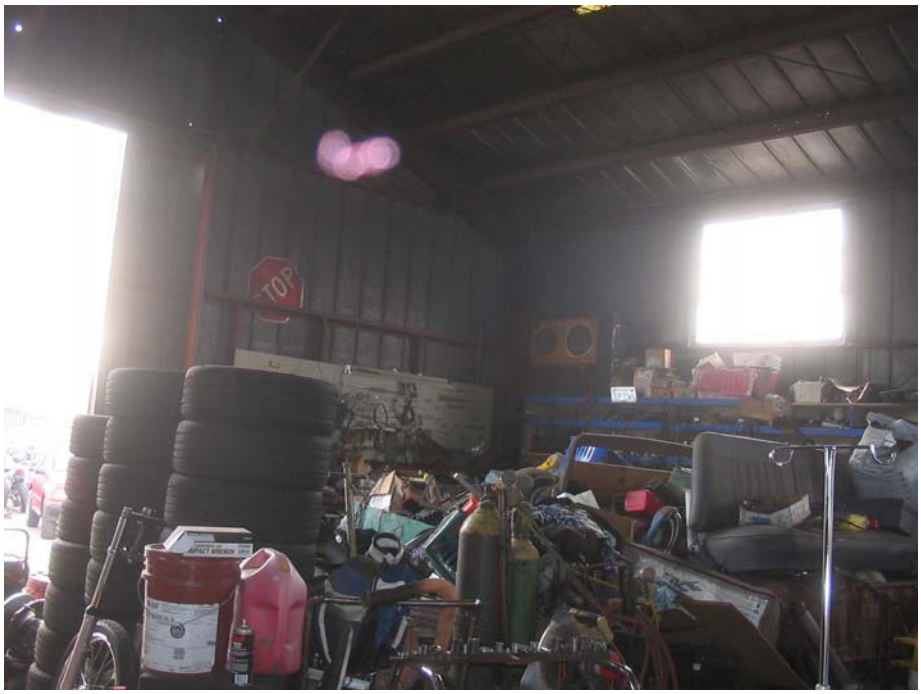
97

97. View of building to the left of photo and facing south (POI #170), located at 28746 Castaic Canyon Road.

98

98. View of office interior located at 28746 Castaic Canyon Road.

99



99. View of shop area located at 28746 Castaic Canyon Road.

100

100. View of shop area located at 28746 Castaic Canyon Road.

101

101. Drum storage (POI #167) located at 28746 Castaic Canyon Road.

102

102. View of storage yard located 28746 Castaic Canyon Road.

103

103. Storage yard located at 28746 Castaic Canyon Road.

104

104. Vehicle storage for 28746 Castaic Canyon Road (POI #170).

105

105. Oil staining (POI #169) located at 28746 Castaic Canyon Road.

106

106. Oil staining (POI #168) located at 28746 Castaic Canyon Road.

107

107. View of office trailer (POI #160) located at 28748 Castaic Canyon Road.

108

108. View of second office trailer (POI #161) located at 28748 Castaic Canyon Road.

109

109. Storage containers (POI #162) located at 28748 Castaic Canyon Road.

110

110. Concrete pad (POI #163) located at 28748 Castaic Canyon Road.

111

111. Concrete pad (POI #166) located at 28748 Castaic Canyon Road.

112

112. View of concrete pad (POI #165) located at 28748 Castaic Canyon Road.

113

113. Concrete pad (POI #164) located at 28748 Castaic Canyon Road.

114

114. Location of Former Structure (POI #113).

115

115. Pile of debris located at POI #113.

116

116. Location of Former Structure (POI #s 110 and 111).

117

117. View of former railroad tracks along eastern property boundary.

118

118. Concrete-lined catchbasin/settling basin (POI #105).

119

119. Water well (POI #96) located in northern portion of Entrada development.

120

120. Staining around base of water well (POI #96).

121

121. Pole-mounted electrical transformers (ET17) in northern portion of subject site.

122

122. Exposed pipeline (POI #93) in drainage channel in northern portion of subject site.

123

123. Shell Oil company pipeline valves (POI #117)
located along eastern property boundary.

124

124. Pile of asphalt, brick and concrete debris (POI #118)
located along eastern property boundary.

125. Former railroad easement east of water treatment plant.

Central Portion

1

1. Abandoned Oil Well Newhall Land and Farm #69 (POI #50).

2

2. Agricultural area located in the central portion of the subject property.

3

3. Groundwater monitoring wells located in central portion of Entrada development (POI #s 53 and 54).

4

4. View of Santa Clara River channel crossing the Entrada development.

5

5. Approximate 10” diameter vertical pipe with 8” horizontal pipe (POI #55).

6

6. Graded pads located in eastern part of the central portion of the Entrada development.

7

7. Groundwater monitoring well located in central portion of the subject site (POI #130).

8

8. Pipeline crossing located in central portion of the subject site (POI #131).

9

9. Location of former water well (POI #121) in eastern part of the central portion of the Entrada development.

10

10. Graded pads located in eastern part of the central portion of the Entrada development.

11

11. Graded pads located in eastern part of the central portion of the Entrada development.

12

12. Graded pads located in eastern part of the central portion of the Entrada development.

Southern Portion

1

1. View of southern portion of Entrada development looking north.

2

2. Looking north across the southern portion of the Entrada development.

3

3. Looking northeast across the southern portion of the Entrada development.

4

4. Southern portion of the Entrada development looking northwest.

5

5. Looking west across southern portion of Entrada development.

6

6. View of southern portion of Entrada development looking southwest.

7

7. Magic Mountain nursery building (POI #125).

8

8. Interior of Magic Mountain nursery building (POI #125).

9

9. Entrance to pesticide storage room in Magic Mountain nursery building (POI #125).

10

10. Old equipment storage west of POI #125.

11

11. Muriatic acid and chlorine storage tanks (PIO #127).

12

12. Tool storage shed (POI #128).

13

13. Approximate 1,000-gallon propane tank (POI #129).

14

14. Abandoned Oil Well Newhall Land and Farm #35 (POI #1).

15

15. Area of oil staining (POI #3).

16

16. Close-up of oil staining at POI #3.

17

17. Area of staining just south of POI #1.

18

18. Steel and concrete structure in ground surrounded by asphalt and concrete debris.

19

19. Area of pyrotechnic debris.

20

20. Close-up of pyrotechnic debris.

21

21. Close-up of pyrotechnic debris.

22

22. Area of spineflowers in southern portion of the Entrada development.

23

23. Orange pin flags identify locations of spineflowers.

24

24. Area of buried debris, possible land filling (POI #8).

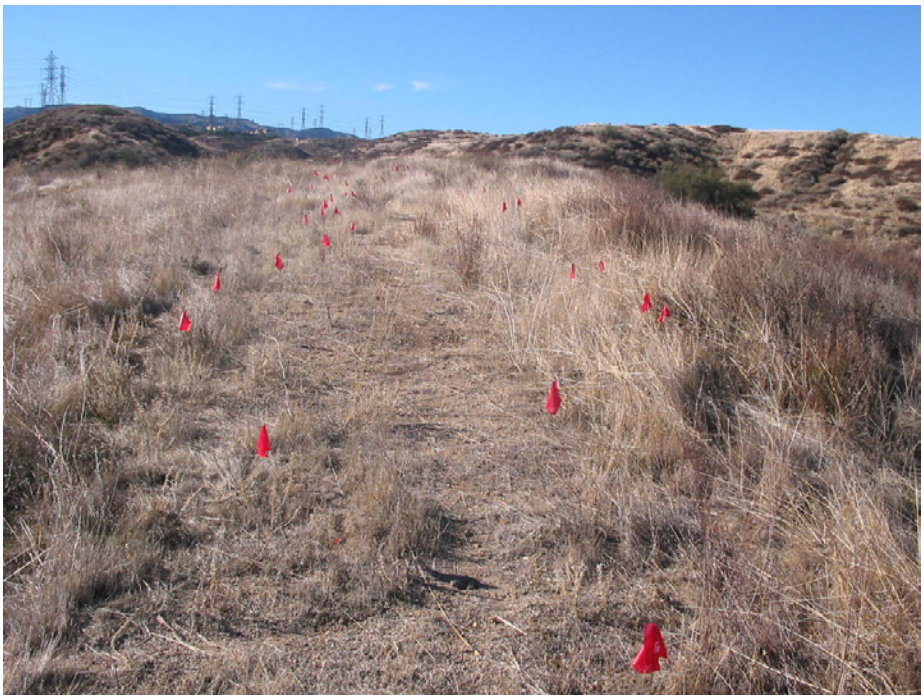
25

25. Approximate 4,000-gallon polyethylene AST (POI #46).

26

26. Approximate 3,000-gallon polyethylene AST (POI #47).

27



27. Area of spineflowers. Red pin flags identify locations of spineflowers.

28

28. Approximate location of abandoned oil well Deklab Energy NL&F Co. 1 (POI #123).

29

29. Chevron gasoline service station adjacent to the east of subject site.

30

30. Location of former Exxon/Mobil Tank Battery #5 (POI #12).

31

31. Large dirt pile (POI #14).

32

32. Flattened Pad/Former sump location (POI #17).

33

33. Abandoned Oil Well Newhall Land and Farm #31 (POI #16).

34

34. Close-up of tar clump located near POI #16.

35

35. Abandoned Oil Well Newhall Land and Farm #36 (POI #45).

36

36. Oil staining near POI #45.

37

37. Large graded area (POI #48).

38

38. Large flattened pad (POI #30).

39

39. Oil staining at POI #30.

40

40. Abandoned Oil Well Newhall Land and Farm #37 (POI #31).

41

41. Flattened pad (POI #34).

42

42. Abandoned Oil Well Newhall Land and Farm #38 (POI #33).

43

43. Abandoned Oil Well Newhall Land and Farm #44 (POI #43).

44

44. Tar clumps and asphaltic sand on POI #41.

45

45. Small approximate 50-gallon tank (POI #20).

46

46. Abandoned Oil Well Newhall Land and Farm #48 (POI #21).

47

47. Asphaltic sand in stream channel (POI #23).

48

48. Abandoned Oil Well Newhall Land and Farm #43 (POI #36).

49

49. Abandoned Oil Well Newhall Land and Farm #51 (POI #39).

50

50. Abandoned Oil Well Newhall Land and Farm #47 (POI #28).

51

51. Oil staining near POI #28.

52

52. Large flattened pad (POI #29).

53

53. Location of former Exxon/Mobil Tank Battery #8 Water Disposal and Water Disposal System (POI #27).

54

54. Settling basin/retention basin (POI #24).

55

55. Octagonal concrete pad (POI #25).

56

56. View of high voltage transmission lines crossing the east central portion of the subject site.

57. High voltage transmission towers along southern property boundary.