County of Los Angeles

Draft
Environmental Impact Report
SCH No. 2005051143
Volume XVII
Appendix 4.19 (continued)

MISSION VILLAGE

Prepared for:

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

Prepared by:

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NEWHALL RANCH
Newhall Ranch Company

OCTOBER 2010

County of Los Angeles

Draft Environmental Impact Report
SCH No. 2005051143
Volume XVII
Appendix 4.19 (continued)

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 XVII
Appendix 4.19 (continued)

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October 2010

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

OF

LEGACY VILLAGE DEVELOPMENT
TRACT MAP VTTM 061996
VALENCIA, CALIFORNIA

FOR

GATZKE DILLON & BALANCE LLP

BA ENVIRONMENTAL
A Division of Building Analytics

File No. 107008
March 2007

BA ENVIRONMENTAL
A Division of Building Analytics

PHASE I ENVIRONMENTAL SITE ASSESSMENT

of

Legacy Village Development
Tract Map No. VTTM 061996
Valencia, California

This report has been prepared for:

Gatzke Dillon & Ballance
Counsel for Newhall Land
1525 Faraday Avenue, Suite 150
Carlsbad, CA 92008

March 30, 2007
File No. 107008

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 site is an irregularly shaped property known as the proposed Legacy Village development and is identified as Tract Map VTTM 061996. The subject property is predominantly occupied by undeveloped land, with some oil production. Portions of the subject site were located within the Castaic Junction Oil Field and the Newhall-Potrero Oil Field The subject property consists of approximately 1,758.6 acres (gross) of land.

The review of historical documents indicates that the subject property was occupied by vacant undeveloped land utilized for cattle grazing from prior to 1903 through the present. Oil production began in the late 1940s in the west part of the central portion of the subject site as well as the southern portion of the subject property. In the northern portion of the subject site, oil production began in the early 1950s, and ceased in the early 1990s. Oil production in the central portion of the subject property ceased in the late 1980s or early 1990s. Oil production in the southern portion of the subject property continues today at a substantially decreased volume.

BA Environmental conducted a visual reconnaissance of the subject site. The subject site was occupied predominantly by vacant undeveloped land used for cattle grazing. Past and present oil field production was observed in the northern portion of the subject site, the west part of the central portion of the subject site, and in the southern portion of the subject site. Several vacant oil well pads were observed on-site. In addition, several active and idle oil wells were observed. One active oil tank battery, several former tank battery locations, and several former oil sumps were observed on-site. Staining, tar clumps and asphaltic sands were observed on several of the oil well pads, former tank batteries and sumps. Numerous surface and subsurface oil pipelines, both active and inactive, were observed on the subject site. Two areas of possible land filling were observed on the day of the site reconnaissance. No areas of distressed or discolored vegetation were observed on-site during the site reconnaissance. No underground storage tanks (USTs), floor drains or waste water clarifiers were observed at the subject site. No buildings, except for one small metal storage building, were observed on the subject site.

BA Environmental reviewed selected government environmental databases. The subject site was not listed on any of the environmental databases searched. Based on the poor information regarding its locality, Stevenson Ranch Venture LLC, located at Pico Canyon Road/Stevenson Parkway West 1.5 miles, it could not be determined if this site was located on-site or on an adjacent property. Based on its listing, there is a low potential for this facility to impact the subject property. One address, 26835 Pico Canyon, was plotted on the EDR report as being on the subject property. Several different companies have been listed under this address, and listed on several different databases. Further investigation revealed that this address is located approximately 0.5 miles to the west of the subject site. This site is located down-gradient of the subject site. Based on the distance and down-gradient location of this facility from the subject site, there is a low potential for this site to have impacted the subject property. Based on the distances and statuses of the remaining facilities, there is a low potential for environmental impact due to off-site sources.

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

- Approximately 23 oil wells and associated production areas have existed on the subject property;
- Several former sumps, former tank batteries, and 2 areas 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;
- Numerous oil pipelines have been identified on the subject property;
- Residual soil contamination may exist in the subsurface soils beneath former Tank Battery #1 and in the area of the former associated production sump, and in the area of a former sump located near the oil well Medallion 9-2;
- Other unidentified oil sumps and drilling sumps may exist buried beneath the subject site;
- In a number of areas, crude oil was used on roadways. These roadways are impacted with petroleum hydrocarbons. In addition, oil staining, asphaltic sand and tar clumps were observed at locations throughout the subject site; and
- As the subject site has been used for oil production, methane gas may exist beneath the subject site.

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 on-site 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;
- If areas within the former oil production area are intended for residential usage, a methane survey may be prudent; and
- Any septic tank encountered during grading activities should be removed.

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 on-site production or irrigation water wells be abandoned according to applicable local and state regulations, prior to redevelopment, if not planned to be used.

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

Legacy Village Development
Tract Map No. VTTM 061996
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 Legacy Village development, Tract Map No. VTTM 061996, 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." If a past release of a hazardous substances or petroleum product that has occurred at the subject property and 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 located approximately 2.54 miles south of State Highway 126 and 2.46 miles west of Interstate Freeway 5 (Golden State Freeway). The subject site is known as the proposed Legacy Village development and is identified as Tract Map VTTM 061996. The subject property is located in the unincorporated county of Los Angeles, near the City of Valencia, California. For the purpose of this report, the subject site has been divided into 3 parts, the northern portion, the central portion and the southern portion (or "Boot").

The subject property is predominantly occupied by undeveloped land, with areas of past and present oil field production (including oil wells and production facilities) in the northern, west central and southern portions of the subject property. High voltage transmission lines transect the central portion of the subject site from northeast to southwest. The subject property consists of approximately 1,758.6 acres (gross) of land. Primary vehicular access is from Pico Canyon/Potrero Canyon Roads to the south and from numerous dirt roads to the north, east and west.

Adjacent properties to the north are predominantly vacant undeveloped land and portions of the Castaic Junction Oil Field. Adjacent to the east is some vacant undeveloped land and the Stevenson Ranch residential developments. Adjacent to the south is predominantly vacant undeveloped land and the former Pico Camp site (Historic Mentryville), which is a state historical landmark and park operated by the Mountain Recreation Conservation Authority. Adjacent to the west is predominantly vacant undeveloped land, the Newhall-Potrero Oil Field and a small portion of the Castaic Junction Oil Field (Figure 1).

Topographic Map Review

The property is depicted on the Newhall and Via Verde, California Topographic Quadrangle maps of the United States Geological Survey (USGS). The location of the site is in Township 4 North, Ranges 16 and 17 West of the San Bernardino Base and Meridian. The subject site is located on the northwestern portion of Los Angeles County. The subject site is located within the northeastern portion of the Santa Susana Mountains. Small portions of the subject site are located within Pico and Potrero Canyons. State Highway 126 is located approximately 2.54 miles north of the subject site, while the Golden State Freeway is located approximately 2.46 miles east of the subject site. Pico Canyon Road and Potrero Canyon Road traverse generally east to west through the southernmost part of the subject site. The subject site is located approximately 4 miles southwest of San Francisquito Canyon and 4.8 miles west-southwest of Soledad Canyon. The San Gabriel Mountains are located approximately 4.5 miles east of the subject site. The subject site is depicted predominantly as developed and undeveloped land. The Pico (site) or former Mentryville site is bound to the south, east, and west by the southernmost portion of the subject site. The northern portion of the subject site is depicted as being in the Castaic Junction Oil Field, while the eastern part of the central portion and the southern portion of the subject site are located within the Newhall-Potrero Oil Field. Only one small structure is depicted in the very southernmost part of the southern portion of the subject site. Approximately seven oil tank locations (POI #s 3, 36, 39, 46, 49, 65, and 93), one former water tank (POI #88), two former structures (POI #s 87, 90) and three oil sumps (POI #s 38, 45 and 57) were depicted on-site. Seventeen (17) oil wells were also depicted on the subject site (POI #s 2, 5, 8, 14, 22, 26, 31, 32, 33, 40, 41, 48, 51, 59, 62, 67, 71 and 75). An additional potential former oil well location was identified

on the topographic map, and was visually identified, but could not be confirmed by DOGGR records (POI #37). Two locations, a former production sump (POI #4) and a concrete pad (POI #89), were misidentified as oil wells on the topographic maps. Twenty-one (21) oil wells were depicted within close proximity (100 to 1,000 feet) of the subject property boundaries (POI #s 29, 67, 70, 83, 112, 113, 114, 115, 116, 117, 118, 124, 125, 126, 127, 128, 129, 130, 131, 132, and 133). The surrounding area is predominantly depicted as being undeveloped land, with oil fields to the north, west and south of the subject site.

The topography of the subject site is highly variable and consists of gently and steeply sloping hillsides, canyons, and small valleys. The elevation at the site ranges from approximately 1,100 feet above mean sea level (msl) to approximately 1,900 feet above msl.

Several unnamed intermittent streams are depicted traversing 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. The Santa Clara River is depicted approximately 2 miles to the north, northeast and northwest 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).

A geotechnical investigation conducted on-site by Leighton and Associates in 2005, revealed that groundwater was detected in borings across the subject site. Depth to first groundwater ranged from 7 to 75 feet below ground surface (bgs) in the southern portion of the subject site. Borings drilled in the northern portion of the subject site revealed groundwater at 9 to 40 feet bgs. A boring drilled in the central portion of the subject site encountered groundwater at 128 feet bgs. Leighton and Associates did not indicate groundwater flow direction (Leighton and Associates, 2005). Groundwater flow direction is expected to be highly variable, and will generally follow topography and flow from the center of the subject property to the periphery of the subject site.

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 portions of the subject site are located within the Castaic Junction Oil Field and the Newhall-Potrero Oil Field. According to the Munger and DOGGR maps, there were 23 oil wells located on the subject property (POI #s 2, 5, 8, 13, 14, 22, 25, 26, 31, 32, 33, 40, 41, 48, 51, 56, 59, 62, 67, 71, 75, 85, and 86). Munger, 1993; DOGGR, 2004. A review of topographic

maps revealed that only 17 oil wells were depicted that were also identified on DOGGR maps. The topographic maps do not depict the oil wells listed in DOGGR records (POI #s 13, 25, 56, and 85). In addition, one oil well was depicted on topographic maps that was not depicted on DOGGR maps (POI #37). Although visual observation of this area showed a flattened pad and scattered asphaltic sand and tar clumps, it is unclear whether this site is an oil well that was not listed on DOGGR, or a misidentification. However, this site also was observed in aerial photographs to appear to have a structure similar to an oil well pump unit. Two additional sites were misidentified as oil wells on the topographic maps (POI #s 4 and 89). Additionally, 21 oil wells have been identified off-site, which are in close proximity to the development or are potentially in the grading footprint (POI #s 29, 67, 70, 83, 112, 113, 114, 115, 116, 117, 118, 124, 125, 126, 127, 128, 129, 130, 131, 132, and 133). Because of the proximity of these off-site oil wells to the subject site, or the potential for impact by on-site grading activities, the documentation for all 21 off-site wells identified was reviewed, and all have been plugged and abandoned properly, or are still currently active. A list of on-site oil wells is provided in Table 3 below and is shown in Figures 2, 3 and 4. 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); historical topographic maps for the years 1903, 1916, 1940, 1947, 1952, 1969, 1988, 1991 and 1995) (EDR, 2007c); and building records (County of Los Angeles, 2007). No city directories were available for the subject property. No historical fire insurance maps were available for the subject property (EDR, 2007d). Copies of the above historical documents are provided in Appendices A through C.

Historical Aerial Photographs

1928

The proposed Legacy Village development was occupied almost entirely by vacant undeveloped land likely used for cattle grazing. Pico Canyon Road was observed to traverse generally from east to west through the southernmost portion of the subject site. Also observed traversing through the southernmost portion of the subject site was a dirt road in the location of present day Potrero Canyon Road. A dirt road was also observed to traverse from generally north to south through the subject property. A small structure (POI #90) was observed within the southernmost portion of the subject site, near the Pico Camp Site (also known as Mentryville). An oil well (POI #56) was observed south of Pico Canyon Road. The surrounding properties appeared to be vacant undeveloped land. A few scattered oil wells were observed to the west of the subject site in Potrero Canyon. The Pico Camp Site (also known as Mentryville) was observed to be bound to the north, east and west by the very southernmost portion of the subject site. Mentryville began between 1876 and 1880, and was a boarding community for transient oil workers who were working in the oil fields in Pico Canyon. This site consisted of a number of buildings including a boarding house, clapboard sided houses, a barn, a dance hall, bunkhouses and a small school.

1947

The proposed Legacy Village development continued to be predominantly occupied by vacant undeveloped land likely used for cattle grazing. Pico Canyon Road was observed to traverse generally from east to west through the southernmost portion of the subject site. Also observed traversing generally east to west through the southernmost portion of the subject site was Potrero Canyon Road. A dirt road was also observed to traverse from generally north to south through the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. Seven oil well locations (POI #s 25, 26, 41, 56, 62, 67 and 75) were observed on-site. Two of the locations (POI #s 62 and 75) appeared to have dark staining around them. What appeared to be 4 sumps (POI #s 77, 81, 92 and 93) were observed in the southern portion of the subject property. Dark discoloration was observed within the interiors of these sumps. A small structure (POI #90) was observed within the southernmost portion of the subject site, near the Pico Camp Site (also known as Mentryville). The Pico Camp Site was still present, surrounded by the southernmost portion of the subject site. Oil production activities were observed to the west and south of the subject site. The majority of the surrounding properties remained vacant undeveloped land.

1952

The proposed Legacy Village development continued to be predominantly occupied by vacant undeveloped land likely used for cattle grazing. Pico Canyon Road and Potrero Canyon Road were observed to traverse generally from east to west though the southernmost portion of the subject site. Several dirt roads traversed the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. Approximately 20 oil well locations (POI #s 2, 5, 8, 25, 26, 31, 32, 33, 37, 40, 41, 48, 51, 56, 59, 62, 67, 71 and 75) were observed on-site. One of the locations (POI #s 41) appeared to have dark staining around it. A possible oil well location (POI #4) was depicted on topographic maps in the northern portion of the subject site, though this may be a misidentification. According to a 1996 site abandonment report prepared by Exxon, this was the location of a production sump. What appeared to be eight additional sumps (POI #s 38, 57, 77, 81, 94, 96, 98 and 104) were observed in the southern portion of the subject property. Dark discoloration was observed within the interiors of five of these sumps (POI #s 57, 77, 94, 96 and 104). A discolored area (POI #105) was observed to the south of the sump located at POI #104. A total of eleven tank locations were observed on the subject site. In the southern portion, the oil sump (POI #93) observed in the 1947 aerial photograph now appeared to be occupied by a tank battery consisting of 2 tanks. Two additional tank locations (POI #s 39 and 65) were also located in the southern portion of the subject site. Both of these tank batteries consisted of 2 tanks each. Also observed in the southern portion of the subject site were 2 structures (POI #106) which appeared to be tank-like in appearance. A single tank-like structure was observed in the area of POI #69, in the southern portion of the subject site. A tank (POI #88) was observed in the southern portion of the subject site, just north of Pico Canyon Road. According to topographic maps, this tank was a water tank. Two tank locations (POI #s 36 and 95) were observed in the central portion of the subject property. The tank battery at POI #36 appeared to consist of two tanks. One of the tank locations (POI #95) located in the southern portion of the subject property appeared to be occupied by a single tank. One tank location (POI #3) was located in the northern portion of the subject site. This tank location has been identified as Exxon-Mobile Tank Battery #1, and consisted at this time of what appeared to be two tanks. A small structure (POI #90) was observed within the southernmost portion of the subject site, near the Pico Camp Site (also known as Mentryville). The Pico Camp Site was still present surrounded by the southernmost portion of the subject site. Oil production activities were observed

to the north, west and south of the subject site. The majority of the surrounding properties remained vacant undeveloped land.

1968

The proposed Legacy Village development continued to be predominantly occupied by vacant undeveloped land likely used for cattle grazing. Pico Canyon Road and Potrero Canyon Road were observed to traverse generally from east to west through the southernmost portion of the subject site. Several dirt roads traversed the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. Approximately 20 oil well locations (POI #s 2, 5, 8, 13, 14, 22, 26, 31, 32, 33, 37, 40, 41, 48, 51, 59, 62, 67, 71 and 75) were observed on-site. The oil wells at POI #s 25 and 56 were not visible. One of the locations (POI #s 41) appeared to have dark staining around it. Six sumps (POI #s 4, 57, 81, 98, 99 and 104) were observed in the 1968 aerial photograph. All of these sumps appeared overgrown with vegetation, and no longer in use, except for the production sumps located at POI #4 and 98. One possible sump (POI #100) was observed in the northern portion of the subject site. This possible sump appeared to have a dark staining. A total of ten tank locations were observed on the subject site at this time. Four tank locations (POI #s 49, 55, 65 and 93) were located in the southern portion of the subject site. These tank batteries consisted of two tanks each, except for POI #55, which had one tank. Three tank locations (POI #s 39, 46 and 88), also observed in the southern portion of the subject site, were noted to have one tank each. The tank at POI #88, according to topographic maps, was a water tank. One tank location (POI #36) was observed in the central potion of the subject property. The tank battery at POI #36 appeared to consist of two tanks. One tank location (POI #3) was located in the northern portion of the subject site. This tank location has been identified as Exxon-Mobile Tank Battery #1, and consisted at this time of what appeared to be two tanks. Two structures (in the area of POI #80) were observed in the southern portion of the subject site. To the east of these structures was a small building (POI #78). The small structure (POI #90) was no longer visible. The Pico Camp Site was still present; however, it was greatly reduced in size, surrounded by the southernmost portion of the subject site. Oil production activities were observed to the north, west and south of the subject site. The majority of the surrounding properties remained vacant undeveloped land.

1976

The proposed Legacy Village development continued to be predominantly occupied by vacant undeveloped land likely used for cattle grazing. Pico Canyon Road and Potrero Canyon Road were observed to traverse generally from east to west through the southernmost portion of the subject site. Several dirt roads traversed the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. Approximately 14 oil well locations (POI #s 22, 25, 26, 31, 32, 33, 37, 40, 41, 48, 51, 59, 62, 71 and 75) were observed on-site. Two additional oil well locations (POI #s 2 and 5) appeared to be cleared pads. Four other oil well locations (POI #s 8, 13, 14 and 67) appeared to be overgrown with vegetation. Only five sump locations (POI #s 38, 57, 79, 81 and 98) were observed in the 1976 aerial photograph. The sumps at POI #s 57 and 79 appeared to be overgrown with vegetation, and no longer in use, except for POI #98. Staining was observed in POI #s 38 and 81. The possible sump (POI #100) and the former production sump (POI #4) appeared to be graded pads. A total of five tank locations were observed on the subject site at this time. Four tank locations (POI #s 39, 55, 65 and 93) were located in the southern portion of the subject site. The tank batteries POI #s 65 and 93 consisted of two tanks each. The tank locations POI #s 39 and 55 consisted of one tank each. Two tank locations (POI #s 36 and 102) were observed in the central potion of the subject property. The tank battery at POI #36

appeared to consist of two tanks, while the tank battery at POI #102 appeared to consist of three tanks. One tank location (POI #3) was located in the northern portion of the subject site. At this time the former tank location appeared to be a cleared pad. Two structures (in the area of POI #80) were observed in the southern portion of the subject site. To the east of these structures was a small building (POI #78). The Pico Camp Site was still present; however, it was greatly reduced in size, surrounded by the southernmost portion of the subject site. In 1976, the Pico Camp site became a State Historical Landmark (No. 5161). Oil production activities were observed to the north, west and south of the subject site. The majority of the surrounding properties remained vacant undeveloped land.

1989

The proposed Legacy Village development continued to be predominantly occupied by vacant undeveloped land likely used for cattle grazing. Pico Canyon Road and Potrero Canyon Road were observed to traverse generally from east to west through the southernmost portion of the subject site. Several dirt roads traversed the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. Approximately 11 oil well locations (POI #s 22, 31, 32, 33, 37, 40, 41, 51, 59, 62, and 71) were observed on-site. Five additional oil well locations (POI #s 2, 5, 48, 67 and 75) appeared to be cleared pads. Six other oil well locations (POI #s 8, 13, 14, 25, 26 and 67) appeared to be overgrown with vegetation. Only two sump locations (POI #s 38 and 81) were observed in the 1989 aerial photograph. Both sumps appeared to be overgrown with vegetation, and no longer in use. A total of five tank locations were observed on the subject site at this time. Two tank locations (POI #s 55 and 65) were located in the southern portion of the subject site. The tank battery at POI #65 consisted of two tanks. The tank location at POI #55 consisted of one tank. Tank-like structures were observed at POI #103, in the southern portion of the subject site. Based on the aerial photographs, it could not be determined if the structures at POI #103 were tanks. Three tank locations (POI #s 36, 95 and 98) were observed in the central potion of the subject property. The tank battery at POI #36 appeared to consist of two tanks. The tank battery at POI #98 appeared to consist of one tank, and appeared to be located in the area of a previous sump. The tank location POI #95 appeared to be occupied by one tank. The two structures in the area of POI #80 were no longer present in the southern portion of the subject site. To the east of POI #80 was a small building (POI #78). The Pico Camp Site was still present; however, it was greatly reduced in size, surrounded by the southernmost portion of the subject site. Oil production activities were observed to the north, west and south of the subject site. The majority of the surrounding properties remained vacant undeveloped land.

1994

The proposed Legacy Village development continued to be predominantly occupied by vacant undeveloped land likely used for cattle grazing. Pico Canyon Road and Potrero Canyon Road were observed to traverse generally from east to west through the southernmost portion of the subject site. Several dirt roads traversed the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. Approximately five oil well locations (POI #s 40, 51, 62, 67, and 71) appeared to be active on-site. Twelve additional oil well locations (POI #s 2, 5, 8, 22, 31, 32, 33, 37, 41, 48, 59 and 75) appeared to be abandoned and are either cleared pads or overgrown with vegetation. Oil wells at POI #s 13, 14, 25, and 26 were not visible. Only two sump locations (POI #s 38 and 81) were observed in the 1994 aerial photograph. Both sumps appeared to be overgrown with vegetation, and no longer in use. A total of two tank locations were observed on the subject site at this time. One tank location (POI #39) was located in the southern portion of the subject site, and appeared to consist of

one tank. The second tank location (POI #65) was also located within the southern portion of the subject site and was a tank battery which consisted of two tanks. One structure (POI #80) continued to be present in the southern portion of the subject site. The Pico Camp Site was still present; however, it was greatly reduced in size, surrounded by the southernmost portion of the subject site. Oil production activities were observed to the north, west and south of the subject site; however, there appeared to be some reduction in these activities to the north and south. The majority of the surrounding properties remained vacant undeveloped land; however, adjacent properties to the west appeared to be undergoing grading for residential construction.

2002
The proposed Legacy Village development continued to be predominantly occupied by vacant undeveloped land likely used for cattle grazing. Pico Canyon Road and Potrero Canyon Road were observed to traverse generally from east to west through the southernmost portion of the subject site. Several dirt roads traversed the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. Approximately five oil well locations (POI #s 40, 51, 62, 67, and 71) appeared to be active on-site. Sixteen additional oil well locations (POI #s 2, 5, 8, 13, 14, 22, 25, 26, 31, 32, 33, 37, 41, 48, 59 and 75) appeared to be abandoned and are either cleared pads or overgrown with vegetation. Only two sump locations (POI #s 38 and 81) were observed in the 1994 aerial photograph. Both sumps appeared to be overgrown with vegetation, and no longer in use. A total of three tank locations were observed on the subject site at this time. One tank location (POI #39) was located in the southern portion of the subject site, and appeared to consist of one tank. The second tank location (POI #65) was also located within the southern portion of the subject site and was a tank battery which consisted of two tanks. The third tank location (POI #11) was located in the western part of the northern portion of the subject site. Two tanks were located at this POI, and are believed to be water tanks supporting nursery activities in this area. A long structure (POI #12) was observed in the western part of the northern portion of the subject site. This structure is believed to be a greenhouse and was part of nursery activities in this area. One structure (POI #80) continued to be present in the southern portion of the subject site. Dark staining was observed in the area of POI #80. The Pico Camp Site was still present; however, it was greatly reduced in size, surrounded by the southernmost portion of the subject site. Oil production activities were observed to the north, west and south of the subject site; however, it appeared that production had ceased in the north and south, and only pads remained. The majority of the surrounding properties remained vacant undeveloped land; however, adjacent properties to the west appeared to be developed by single-family residences or undergoing grading activities for future residential development.

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 proposed Legacy Village development was occupied almost entirely by vacant undeveloped land. Pico Canyon Road was observed to traverse generally from east to west through the southernmost portion of the subject site. Also observed traversing through the southernmost portion of the subject site was a dirt road in the location of present day Potrero Canyon Road. A dirt road was also observed to traverse from generally north to south through the subject property. A small community labeled as Pico (also known as Mentryville) was observed to be bound to the north, east and west by the very southernmost portion of the subject site. This small community appeared to be depicted with approximately 18 small structures. Oil wells were depicted further down Pico Canyon, to the southwest.

1940
The proposed Legacy Village development was occupied almost entirely by vacant undeveloped land. Pico Canyon Road was observed to traverse generally from east to west through the southernmost portion of the subject site. Also observed traversing the southernmost portion of the subject site was a dirt road in the location of present day Potrero Canyon Road. A dirt road was also observed to traverse from generally north to south through the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. A small community labeled as Pico (also known as Mentryville) was observed to be bound to the north, east and west by the very southernmost portion of the subject site. This small community appeared to be depicted with approximately eight small structures. Oil wells were depicted further down Pico Canyon, to the southwest.

1947
The proposed Legacy Village development was occupied almost entirely by vacant undeveloped land. Pico Canyon Road was observed to traverse generally from east to west through the southernmost portion of the subject site. Also observed traversing through the southernmost portion of the subject site was Potrero Canyon Road. A dirt road was also observed to traverse from generally north to south through the subject property. A single small structure (POI #87) was depicted in the southern portion of the subject site, south of Pico Canyon Road. The small community labeled as Pico (also known as Mentryville) in past historical topographic maps was not labeled in the 1940 topographic map. Two small structures were depicted in the area of this small community. Oil wells were depicted further down Pico Canyon (Pico Oil Field), to the southwest. The Newhall-Potrero Oil Field, along with several oil wells, was depicted to the west of the subject site.

1952
The proposed Legacy Village development continued to be predominantly occupied by vacant undeveloped land. Pico Canyon Road and Potrero Canyon Road were observed to traverse generally from east to west through the southernmost portion of the subject site. Several dirt roads traversed the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. Approximately 14 oil well locations (POI #s 5, 8, 27, 31, 32, 33, 40, 41, 48, 51, 59, 62, 67 and 75) were observed on-site. Four oil sumps (POI #s 30, 38, 45 and 57) were depicted in the southern portion of the subject site. A total of eight tank locations (POI #s 3, 36, 39, 46, 49, 65, 88 and 93) were observed on the subject site. POI # 88 was labeled as a water tank. The single small structure (POI #87) which was depicted in the 1940 topographic map was no longer present. The community of Pico depicted on past historical

topographic maps was labeled as "Pico (Site)." Two small structures and three water tanks were depicted at the Pico site (not located on the subject property). Oil production activities were depicted to the north and west of the subject site. The majority of the surrounding properties remained vacant undeveloped land.

1969

The proposed Legacy Village development continued to be predominantly occupied by vacant undeveloped land. Pico Canyon Road and Potrero Canyon Road were observed to traverse generally from east to west through the southernmost portion of the subject site. Several dirt roads traversed the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. Approximately 15 oil well locations (POI #s 5, 8, 22, 26, 31, 32, 33, 40, 41, 48, 51, 59, 62, 67 and 75) were observed on-site. One oil well location (POI #4) depicted on the map, is misidentified on the topographic map. According to a 1996 site abandonment report prepared by Exxon, this was the location of a production sump. Four oil sumps (POI #s 30, 38, 45 and 57) were depicted in the southern portion of the subject site. A total of eight tank locations (POI #s 3, 36, 39, 46, 49, 65, 88 and 93) were observed on the subject site. POI # 88 was labeled as a water tank. The community of Pico, depicted on past historical topographic maps, was labeled as "Pico (Site)." Two small structures and three water tanks were depicted on the Pico site (not located on the subject property). Oil production activities were depicted to the north and west of the subject site. The majority of the surrounding properties remained vacant undeveloped land.

1988

The proposed Legacy Village development continued to be predominantly occupied by vacant undeveloped land. Pico Canyon Road and Potrero Canyon Road were observed to traverse generally from east to west through the southernmost portion of the subject site. Several dirt roads traversed the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. Approximately 16 oil well locations (POI #s 5, 8, 14, 22, 26, 31, 32, 33, 40, 41, 48, 51, 59, 62, 67 and 75) were observed on-site. One oil well location (POI #4) depicted on the map, is misidentified on the topographic map. According to a 1996 site abandonment report prepared by Exxon, this was the location of a production sump. Four oil sumps (POI #s 30, 38, 45 and 57) were depicted in the southern portion of the subject site. A total of eight tank locations (POI #s 3, 36, 39, 46, 49, 65, 88 and 93) were observed on the subject site. POI #88 was labeled as a water tank. One small structure (POI #90) was observed in the southern portion of the subject site, close to the "Pico (Site)." The community of Pico, depicted on past historical topographic maps, was labeled as "Pico (Site)." Two small structures and three water tanks were depicted at the Pico site (not located on the subject property). Oil production activities were depicted to the north and west of the subject site. The majority of the surrounding properties remained vacant undeveloped land.

1995

The proposed Legacy Village development continued to be predominantly occupied by vacant undeveloped land. Pico Canyon Road and Potrero Canyon Road were observed to traverse generally from east to west through the southernmost portion of the subject site. Several dirt roads traversed the subject property. High voltage transmission lines were observed to traverse from northeast to southwest across the subject site. Approximately 18 oil well locations (POI #s 5, 8, 14, 22, 26, 31, 32, 33, 37, 40, 41, 48, 51, 59, 62, 67 and 75) were observed on-site. One oil well location (POI #4) depicted on the map, is misidentified on the topographic map. According to a 1996 site abandonment report prepared by Exxon, this was the location of a production sump. A second oil well

location (POI #89), depicted in the same area, is also believed to be misidentified. According to a 1996 site abandonment report prepared by Exxon, this was the location of a concrete foundation. Four oil sumps (POI #s 30, 38, 45 and 57) were depicted in the southern portion of the subject site. A total of three tank locations (POI #s 3, 36 and 65) were visible on the subject site. The small structure (POI #90), which was observed in the southern portion of the subject site, close to the "Pico (Site)," was no longer depicted. The community of Pico, depicted on past historical topographic maps, was labeled as "Pico (Site)." Six small structures and three water tanks were depicted at the Pico site (not located on the subject property). Oil production activities were depicted to the north and west of the subject site. The majority of the surrounding properties remained vacant undeveloped land.

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 small structures have been identified in historical documents in the southern portion of the subject site; however, no building records could be found for these structures.

Review of Previous Environmental Reports

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

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 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 Batteries 2, 3, 4, 5, 6/7 and 8, and the four production areas (Gas Plant area, Roundhouse, Condensate Tank, and Drill Pad 63) were part of this investigation; however, they are located outside of the Legacy Village development (subject property).

A review of the report site figures indicated that Tank Battery #1 (Chemical Storage) was the only Exxon facility located on the subject site. The tank battery consisted of two tanks and a shallow area. This tank battery has been identified as BA Environmental's POI #2. Directly to the west of the tanks, associated with the tank battery, was a low depressed area. This was possibly the location of a former sump. At the time of this investigation, the low area contained ponded water. To the west-northwest of the tank battery was a raised concrete foundation. This raised foundation has been identified as BA Environmental's POI #89. A second small concrete pad with pipeline outlets, believed to be a pump foundation, was observed to the northeast of the tank battery. Also northeast f the subject site was a production sump. This production sump is identified as BA Environmental's POI #4. At the time of this investigation, all of the equipment had been removed. According to the report, oil stained soil was observed near the location of

the former tanks. In addition, tar and crude oil tar was observed near the former tanks, around the small pump foundation, along an old access road, and in the area of the former production sump. Asphalt paddies and tar mats were observed in the ravine below the former production sump. According to the report, the crude oil tar deposit in the area of the former production sump was removed in July of 1995. The report recommended that the remaining impacted soil in the old production sump be removed. It also recommended that the already stockpiled soil from the previous work conducted on the former tank battery be removed from the site. Additionally, the report recommended that the former tank location and shallow depression in the former tank battery be further assessed. Finally, it recommended that all of the asphalt paddies in the area of the former production sump and around the smaller equipment be removed. A copy of this report is included in Appendix D.

EnviroPacifica, Inc. (EPI), Phase I Environmental Site Assessment (ESA), Stevenson Ranch – Phase V, Los Angeles County, California, prepared May 14, 1997. In May of 1997, EPI 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 EPI, the subject property consisted of approximately 1,800 acres of predominantly undeveloped land with some unpaved access roads. EPI also indicated that numerous oil field production facilities were located throughout the subject site. According to historical documents, the subject site has been occupied by either vacant land or oil fields since 1938. According to EPI, no buildings currently exist on the subject site. EPI's site reconnaissance identified no on-site USTs. According to EPI, approximately 25 past and present oil wells exist on-site. EPI indicated that one tank battery, the F-4 Tank Battery (POI #65), was located on-site. According to EPI, other tank batteries, as well as sumps, have historically occupied the subject site. EPI did not identify visually impacted material at any of the well locations, tank battery locations or sump locations. No hazardous materials were observed on-site, except for crude oil. EPI reviewed various governmental databases for the site vicinity. According to EPI, the subject site was not reported on any of the databases searched. EPI indicated that only one nearby site was identified in the database search. EPI felt that this site had been misplotted and was further to the west, in Potrero Canyon. EPI did not feel that this site was of environmental concern. EPI identified the following recognized environmental concerns:

- The presence of 25 exploration or production oil wells on the property represent a recognized environmental condition. Past drilling practices often resulted in environmental contamination at drill sites, especially in the well cellars and sumps, and along drill-site access roads. In addition, oil field pipelines sometimes break or leak, releasing crude oil to the environment. While no direct evidence of significant contamination was discovered on the site, the presence of sumps and petroleum hydrocarbon-impacted soil should be anticipated in the immediate vicinity of the oil wells and pipelines.
- California Division of Oil, Gas, and Geothermal Resources (CDGGR) records document the presence of 25 oil wells on the site. There is a possibility of additional undocumented oil wells on the site. The Newhall-Potrero oil field is an old field and early exploratory wells may be undocumented. Additional assessment prior to grading, possibly including additional aerial photograph analysis or a low-level geophysical over-flight of the site, may help identify the presence of undocumented oil wells.
- Of the 25 documented oil wells on the site, approximately nine wells have not been abandoned and should eventually be abandoned by the oil field operator(s). Of the 16 remaining wells that have reportedly been previously abandoned,

approximately six will likely require reabandonment. Those six wells were abandoned prior to current CDGGR standards.

- Metal debris was noted in a canyon immediately north of the Ferguson 10 oil well (POI #71). Although no other evidence of significant solid waste disposal was discovered during this investigation, solid waste disposal practices are often poorly documented and onsite disposal of solid wastes (e.g., wooden derricks, etc.) was common during the period of oil exploration activity on the site. Therefore, a possibility exists that undiscovered areas of solid waste disposal (i.e., unpermitted landfills) associated with the former oil exploration activities may be present on the site.
- Fibrous, friable material was observed coating a wooden retaining structure at one of the electric towers in the northeastern portion of the site. This material may contain friable asbestos.
- In general, the cost of abandonment and cleanup/remediation of oil field related facilities should be borne by the responsible oil companies. The cost for the reabandonment of wells that were previously abandoned in accordance with appropriate standards of the day are typically borne by the developer. For some of the older on-site wells that were abandoned prior to 1960 (approximately six wells), payment or cost recovery for reabandonment or cleanup may be difficult or impossible.

EPI made the following recommendations regarding the subject site:

- The CDGGR should be contacted to determine the status and reabandonment requirements, if any, for the oil wells located on-site that were previously abandoned prior to current CDGGR standards.
- Following receipt of CDGGR's well reabandonment requirements, a workplan should be developed to reabandon the oil wells.
- A workplan should be developed to assess for oil well sumps and petroleum hydrocarbon-impacted soil in the vicinity of the former well cellars, tank batteries, and pipelines. This assessment can be conducted either in conjunction with well abandonment activities, initial grading (grubbing) of the site, or separately. The workplan should include establishment of site-specific action levels for crude-oil-based petroleum hydrocarbons in soil. Separate action levels may be established for soil located in planned residential areas and non-residential/open-space areas. Discovered sumps and impacted soil should be reported to the appropriate regulatory agency, sampled, and analyzed in accordance with agency requirements.
- Stevenson Ranch Venture LLC should perform third-party oversight of all future oil facility abandonment activities conducted by the oil field operators. The oil-field operators will typically abandon oil wells to CDGGR standards, but not necessarily to the standards required for a site intended for residential-use development.
- The small stockpile (10 cubic yards) of dark, discolored soil adjacent to the Ferguson 5 well should be characterized and properly disposed.
- The suspected asbestos containing materials (ACMs) observed on the electric-tower retaining wall should be sampled and analyzed for asbestos. If ACMs are identified, they should be appropriately mitigated. This work may be performed by the developer or by the utility company.

- The possible presence of oil-field-related solid waste, sumps, local areas of petroleum hydrocarbon-impacted soil, and possibly undocumented oil exploration wells should be anticipated. All areas of the site should be carefully observed during grubbing and grading for evidence of oil-field related contamination.

A copy of this report is included in Appendix D.

Leighton and Associates, Inc. (LAI), Geotechnical Report of Investigation and 100-Scale Grading Plan Review for Vesting Tentative Tract Map No. 061996 Legacy Village – Active Adult Community, Stevenson Ranch, Phase V, County of Los Angeles, California, prepared November 10, 2005. In November of 2005, LAI conducted a geotechnical investigation on the subject site. The pertinent section within the report covered on-site oil wells. According to LAI, previous reports indicated that 25 oil wells existed on-site. It did not appear that LAI confirmed the number of wells located on-site. According to LAI, some of the oil well locations within the subject site may require reabandonment or venting in accordance with current DOGGR requirements. LAI also stated that should any unidentified oil wells be encountered during grading, DOGGR should be contacted to determine plugging and abandonment requirements. LAI also indicated that the contents of any former oil field facilities (i.e., pipelines, sumps or other related structures) should be located, removed and legally disposed of off-site.

Anacap Geoservices, Inc. (AGI), Oil Well Issues, Proposed Legacy Development, Unincorporated Los Angeles County, California 91381, prepared December 14, 2006. In December of 2006, AGI conducted a survey of all of the oil wells located on the proposed Legacy development. AGI reviewed DOGGR files regarding the on-site oil wells, as well as locating in the field and assessing each of the well sites. According to AGI, a total of 24 oil wells were identified on the subject property. The oil wells identified on-site by AGI are as follows:

1. Exxon “Newhall Corp #1” (identified at POI #5)
2. Exxon “Newhall Corp #2” (identified at POI #8)
3. Exxon “Newhall Corp #3” (identified at POI #2)
4. Oryx Energy Corp “Sunray McCulloch NCS #1” (identified at POI #13)
5. MCOR Oil & Gas “McCulloch MC #1” (identified at POI #14)
6. Oryx Energy Corp. “Newhall Corp – Wolfson 1” (identified at POI #25)
7. Oryx Energy Corp. ”Newhall Corp – Wolfson 2-7” (identified at POI #86)
8. Oryx Energy Corp. “Newhall Corp. Wolfson 3-5” (identified at POI #33)
9. Oryx Energy Corp. “Newhall Corp. Wolfson 4-5” (identified at POI #32)
10. Oryx Energy Corp. “Newhall Corp. Wolfson 5-5” (identified at POI #31)
11. Oryx Energy Corp. “Newhall Corp. Wolfson 6-7” (identified at POI #22)
12. Medallion “Ferguson 1” (POI #83 – Off-Site)
13. Medallion “Ferguson 2” (identified at POI #75)
14. Medallion “Ferguson 3” (identified at POI #62)
15. Medallion “Ferguson 4” (identified at POI #67)
16. Medallion “Ferguson 5” (identified at POI #40)
17. Medallion “Ferguson 6” (identified at POI #41)
18. Medallion “Ferguson 10” (identified at POI #71)
19. Shell “Ferguson 1-7” (identified at POI #85)
20. Medallion “Ferguson 7-2” (identified at POI #48)

21. Medallion “Ferguson 8” (identified at POI #51)
22. Medallion “Ferguson 9-2” (identified at POI #59)
23. Shell “Ferguson 2-7” (identified at POI #86)
24. NM Fraser “Gerard No. 1” (identified at POI #56)

AGI visited the subject site to assess the on-site oil wells. AGI noted that several Medallion “Ferguson” wells (wells 1, 3, 5, 6, 8 and 10) were either active or idle. AGI used geophysical and other field methods to locate each well. After the wells were located, the well head was excavated for access by laying back the slopes and creating a DOGGR-compliant access ramp or clearing well cellars. The well covers were removed by a certified oil field welder. AGI did not encounter any leakage from any wells during the well cover removals. Each well was leak tested by a DOGGR representative. After the wells were leak tested, the well cap was tack welded on top of the casing and a well marker welded on top of the well cap. No serious adverse effects were detected at any of the abandoned well sites. Active or idle oil well sites were surveyed only. One medium 25’ by 50’ sump was reportedly associated with the oil well Medallion 9-2. This sump was reported to be located approximately 100 feet east of the well location. According to AGI, Kerr-McGee had remediated this sump location. Based on the findings of their survey, AGI recommended the following:

1. Following procurement of access to the PM Gerard Fraser #1, Shell Ferguson 1-7 and Shell Ferguson 2-7 wells, locate and assess wells that were not assessed during this phase of the work;
2. Determine the future use at and in proximity (as defined by DOGGR) to each well. Design the community, if possible, to avoid placing structures over or near (as defined by both DOGGR and Los Angeles County) wells;
3. Determine finish grade at each location and decide whether each well needs to be cut or extended to conform to DOGGR requirements that the wells be abandoned within 6-9 feet of finish grade;
4. Coordinate with Medallion to properly abandon to the satisfaction of DOGGR the wells on their lease;
5. Following establishment of the development plan, solicit re-abandonment requirements, if any, from DOGGR for the wells;
6. Determine the need to vent the wells. Oversight of this issue is managed by the Los Angeles County Department of Building and Safety. Design of a conforming vent or other methane protection devices, if necessary, shall be completed by a licensed and qualified professional engineer;
7. Advise clearing and grubbing crews, plus the grading crews, to monitor for evidence of past oil-field equipment, stained soil, or other related debris. Remove relict piping and other debris found in the vicinity of the wells;
8. Notify the Site Superintendent if stained or odorous soil is found;
9. Determine the need to more fully assess other areas of the site for adversely impacted soil; and
10. Following the completion of activities, the DOGGR will issue a Lot Release.

A copy of this report is included in Appendix D.

Historical Summary

The review of historical documents indicates that the subject property was occupied by vacant undeveloped land utilized for cattle grazing from prior to 1903 through the present. Oil production began in the late 1940s in the west part of the central portion of the subject site as well as the southern portion of the subject property. In the northern portion of the subject site oil production began in the early 1950s, and ceased in the early 1990s. Oil production in the central portion of the subject property ceased in the late 1980s or early 1990s. Oil production in the southern portion of the subject property continues today at a substantially decreased volume. Historical structures, wells, sumps and tanks have been assigned Points of Interest (POI) numbers, which are included in Table 1 and shown in Figures 2, 3 and 4.

Environmental Liens and Deed Restrictions

BA Environmental was not supplied a copy of a Chain-of-Title for review nor was BA Environmental provide a copy of a legal review of the Chain-of-Title by the property owners legal counsel. 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

As the subject property is a vacant parcel, no one was available for interview regarding the subject property.

SITE RECONNAISSANCE AND IMPROVEMENTS

Between February 6, 2007 and March 2, 2007, BA Environmental performed a visual reconnaissance of the 1,758.6-acre parcel of land known as the proposed Legacy Village development and is identified as Tract Map VTTM 061996. The subject property is located in the unincorporated county of Los Angeles, near the City of Valencia, California (Figure 1). Mr. Russell M. Cote of BA Environmental performed the site reconnaissance, unescorted.

The subject property is an irregularly shaped property located approximately 2.54 miles south of State Highway 126 and 2.46 miles west of Interstate Freeway 5 (Golden State Freeway). The subject site is known as the proposed Legacy Village development and is identified as Tract Map VTTM 061996. The subject property is located in the unincorporated county of Los Angeles, near the City of Valencia, California. For the purpose of this report, the subject site has been divided into three parts: the northern portion, the central portion and the southern portion (or "Boot").

The subject property is predominantly occupied by undeveloped land, with areas of past and present oil field production (including oil wells and production facilities) in the northern, west central and southern portions of the subject property. High voltage transmission lines transect the central portion of the subject site from northeast to southwest. The subject property consists of approximately 1,758.6 acres (gross) of land.

Primary vehicular access is from Pico Canyon/Potrero Canyon Roads to the south and from numerous dirt roads to the north, east and west.

The proposed Legacy Village development is a planned community which includes residences, commercial and retail buildings, a school, a park and recreational areas (Figure 5).

The subject development, Legacy Village, consists of an approximate 1,758.6-acre parcel of land that has been historically utilized predominantly for cattle ranching and oil production. Numerous dirt, partially paved, and paved roads traverse the subject site. The northern portion of the subject property consists of mostly undeveloped land with a small amount of past oil production in the central part. The central portion was also mostly undeveloped land with a small amount of past oil production in the western part. The southern portion of the subject property is occupied predominantly by a mix of vacant undeveloped land, and past and present oil production. Southern California Edison high voltage transmission lines traverse the subject property from northeast to southwest. The site is predominantly hills (both gently and steeply sloping), ravines, and canyons. Small portions of the subject site are located within Pico Canyon and Potrero Canyon. Small dry intermittent stream channels traverse the subject site. The subject site is 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 property.

Various indications of past and present usage were observed throughout the subject property. These visual indications included former well locations, cleared areas, exploration pads, geotechnical pads, pipeline markers, abandoned pipelines, roads, debris, cultivated areas, 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 2, 3 and 4.

Only two structures were observed on the Legacy Village development. Both structures were observed within the southern portion of the subject site. The first structure is a small, approximately 20' by 10', corrugated metal building (POI #78). This small building was empty on the day of the site reconnaissance, and appeared to be no longer used. The second structure (POI #66) appeared to be an old movie set. This building was not a complete building and appeared to be temporary. No other buildings or structures were observed on the subject property.

In the southern portion of the subject site, several historical buildings (POI #s 82, 87, 90, and 91) have existed on-site in which BA Environmental could not identify addresses with the information readily available. All of these structures were either identified on historical topographic maps or aerial photographs, or both. During the site reconnaissance, either no visible evidence of the former buildings or building material debris was observed in these areas.

Only one small area of the subject property appeared to have possibly been used for dry farming. This small area was located on POI #30, a small flatted pad. No evidence of irrigation systems or unusual staining was observed in this area. No pesticide samples

were collected in this area. A second agricultural area was observed in the northern portion of the subject site. This area appeared to be a former nursery. On the day of the site reconnaissance, this area was observed to have two fenced enclosures. One of the fenced enclosures historically has had at least one greenhouse (POI #12). On the day of the site visit, this enclosure was observed to be vacant, except for some compost piles, empty plastic pots, drip and mist irrigation lines, and some metal and plastic debris. No visible evidence of staining was observed in this enclosure. The second fenced enclosure was observed to have a roll-off bin (POI #9), and small water well and pump (POI #10). Some plastic pots and irrigation pipe was also observed within this enclosure. South-southeast of the enclosure containing POI #s 9 and 10 were two aboveground storage tanks (ASTs) (POI #11). Each of these ASTs was of steel construction, and appeared to have a capacity of approximately 3,000 gallons each. Both tanks appeared to be used for storing water for irrigation purposes. No staining was observed on the ground surface surrounding the ASTs.

One approximate 1,000-gallon AST on a raised metal framework (POI #107) was observed in the central portion of the subject site. This AST appeared similar to those used to store water for road construction. Based on visual observations, it did not appear that this AST has been recently used.

Observations in the southern portion of the subject property identified two areas of trash dumping (POI #s 69 and 73). POI #69 was observed to be a flattened area at the top of a small hill. Debris was observed at this POI, including steel and concrete debris, old steel cable, other steel pieces of old equipment, old bathroom fixtures, and old building debris. No visible evidence of staining was observed in this area. POI #73 was observed to be in a small canyon below the pad for the oil well location POI #71. Steel and concrete debris, some old drums and other miscellaneous debris was observed in this area. No visible evidence of staining was observed in this area. Some areas of what appeared to be oil field debris were observed at POI #s 6 and 7. This debris consisted of steel and wood debris.

Presently and historically, parts of the northern, central and southern portions of the subject property have been used for oil production. During the site reconnaissance, five cleared pads (POI #s 2, 5, 8, 13, 14) were observed in the northern portion of the subject site, most with steel markers indicating the locations of former, abandoned oil wells. Varying amounts of concrete, steel and wood debris were observed at each of the five pads. Three of the pads (POI #s 8, 13 and 14) were observed to still have 7’ by 7’ concrete cellars. Varying amounts of tar clumps, asphaltic sand and/or oil staining were observed at POI #s 8 and 13. Two locations (POI #s 4 and 89) were identified on historical topographic maps as oil well locations. It is believed that these were misidentifications on the topographic map. According to a 1996 site abandonment report prepared by Exxon, these two locations were a production sump and a raised concrete foundation.

During the site reconnaissance, six cleared oil well pads (POI #s 22, 25, 26, 31, 32 and 33) with steel well markers were observed in the central 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 25, 31, 32 and 33. The amounts of asphaltic sand, tar clumps and/or oil staining ranged from just scattered amounts to moderate amounts in the upper few inches. One former well location, POI #26, was observed to have significant asphaltic sand, tar clumps and oil staining around the well pad. One location (POI # 37) was identified on historical topographic maps; however, it was not identified on DOGGR

maps. On the day of the site reconnaissance, a flattened pad covered with vegetation was observed at this location. Steel and concrete debris was observed scattered across the pad. Some asphaltic sand and a few tar clumps were observed at the location.

Eleven oil well pads (POI #s 40, 41, 48, 51, 59, 62. 67, 71, 75, 85, and 86) were observed in the southern portion of the subject site. Visible evidence of an additional oil well location (POI #56) could not be found on the day of the site reconnaissance. Of the 11 wells located on this portion of the subject site, two appear to be idle (POI #s 41 and 51) and three appear to be active (POI #s 40, 62 and 71). The remainder are abandoned and marked with steel well markers. Two of the well locations (POI #s 85 and 86) were heavily overgrown with vegetation and not accessible on the day of the site reconnaissance. 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 41, 59, 67 and 75. The amounts of asphaltic sand, tar clumps and/or oil staining ranged from just scattered amounts to moderate amounts in the upper few inches. The active and idle well locations (POI #s 40, 41, 51, 62, 67 and 71) were observed to have significant oil staining around the well head. Scattered staining was also observed in areas of these oil well pads.

No oil field related tank batteries were observed in the northern portion of the subject site on the day of the site reconnaissance. Historically, one tank battery, Tank Battery #1, was located in the northern portion of the subject site. This tank battery was removed in the 1990s when Exxon decommissioned this portion of their oilfield lease. The location of the former Tank Battery #1 (POI #3) was observed on the day of the site reconnaissance. This former tank battery location was occupied by a cleared flat pad. Minor amounts of steel and concrete debris were observed on and around the cleared pad. Some asphaltic sand was also observed on this pad. One other POI was located on this pad. POI #89 was reported to have been a raised concrete foundation. This foundation was not observed on the day of the site reconnaissance. Directly to the east-southeast of the cleared pad (POI #3) was a former access road and slope (POI #109). This area was observed to have significant amounts of asphaltic sand and tar clumps. Some concrete debris was also observed in this area. Two tanks (POI #11) were observed in the northern portion of the subject site. These tanks were of steel construction and appeared to have capacities of approximately 3,000 gallons. These tanks were water tanks which supported past nursery activities in this area.

Historically, four tank locations (POI #s 36, 95, 98 and 102) related to former oil field activities were formerly located in the central portion of the subject site. No tanks were observed in these locations on the day of the site reconnaissance. Some steel, concrete and wood debris was observed in the area of POI #36. Scattered asphaltic sand and tar clumps were observed at this POI. One tank (POI #107) was observed on the subject site. This tank was raised on a steel framework and appeared to be similar to those used to hold water for construction work. The tank appeared to have a capacity of approximately 2,000 to 3,000 gallons and appeared to be empty.

On the day of the site reconnaissance, one tank battery (POI #65) was observed in the southern portion of the subject site. This battery consisted of two tanks (Ferguson Tanks 6674 and 6675), which were observed within a bermed area. The tanks have an estimated capacity of approximately 6,000 gallons each and were labeled as containing "Crude Oil." Some crude oil staining was observed within the bermed area. Historically, five oil field related tank locations (POI #s 39, 46, 49, 55 and 93) were formerly located in the southern portion of the subject site. No tanks were observed in these locations on the day of the site reconnaissance. Piping, cleared pads, steel, concrete and wood debris

were all that remained at these locations. Scattered asphaltic sand and tar clumps were observed at POI #s 39, 46 and 93. On the day of the site reconnaissance, two flattened areas (POI #s 68 and 69), which may have been former tank areas, were observed in the southern portion of the subject property. Concrete and steel debris was observed at both of these POIs. Either oil staining and/or tar clumps were observed at these two locations. In addition, two locations (POI #s 103 and 106) were observed to have tank-like structures which were observed in historical aerial photographs. No evidence of the former tank-like structures was observed on-site on the day of the site reconnaissance. These structures may have only been temporary, and existed on-site for only a very short time. In addition, one historic tank location (POI #88) was observed in historic documents. This tank was historically used as a water tank. No evidence of this former tank was observed on the day of the site reconnaissance. Presently, one large (approximate 100,000-gallon) water tank (POI #108) is located in the southern portion of the subject property. This tank is a municipal water tank which supplies water to the Stevenson Ranch development.

On the day of the site reconnaissance, no sumps were observed in the northern portion of the subject property during the site reconnaissance. Historically, two sumps (POI #s 4 and 100) existed in the northern portion of the subject site. The sump located at POI #100 was observed in historical aerial photographs. This sump as observed to be located near the oil well located at POI #2. On the day of the site reconnaissance, the location of this former sump was occupied by a cleared pad. No visible staining was observed. The second former sump, located at POI #4, was reported to have been an old production sump which was reportedly remediated on 1995. On the day of the site reconnaissance, this location was occupied by a vacant pad with some native vegetation. Some asphaltic sand and tar clumps were observed at this location.

Three possible sumps (POI #s 23, 24 and 96) were observed in the central portion of the subject site on the day of the site reconnaissance. POI #s 23 and 24 may be old oil sumps or retention basins for stormwater runoff. No staining was observed in these two POIs. The sump located at POI #96 was observed to be relatively small. Some oil staining and asphaltic sand was observed at this location. One historical sump location (POI #98) was observed in historical aerial photographs. On the day of the site reconnaissance, some asphaltic sand and tar clumps were observed in this area. One historical sump location (POI #30) was observed on topographic maps. On the day of the site reconnaissance, the former sump location appeared to be a flattened pad with no visible staining. It appeared during the site visit that the pad had been used in the past for dry farming.

On the day of the site reconnaissance, four former sump locations (POI #s 38, 57, 79 and 81) were observed in the southern portion of the subject site. The berms of these sumps are still visible. No staining was observed in POI #s 57, 79 and 81. Heavy oil staining, tar clumps and asphaltic sand were observed in POI #38. Piping was observed to enter POI #38. Three historical sumps (POI #s 77, 94 and 104) were observed to be flattened areas on the day of the site visit. All three of these areas were observed to have asphaltic sand and tar clumps. Historical sump locations (POI #s 92, 93 and 99) were observed on historical documents; however, on the day of the site reconnaissance, no visible evidence of staining was observed.

On the day of the site visit, a pump-like piece of oil field equipment (POI #84) was observed in the southern portion of the subject site. This piece of equipment appeared to be operational. Oil staining was observed on the ground surrounding the equipment.

Numerous oil pipelines are located on the subject site. These pipelines ranged in size

from 2 inches to 8 inches in diameter. Some of the pipelines were observed on the surface. Many of the pipelines appeared to have been abandoned. Some of the pipelines appeared to still be in use.

In a number of areas, crude oil was used on roadways. These roadways are impacted with petroleum hydrocarbons. In addition, oil staining, asphaltic sand and tar clumps were observed at locations throughout the subject site.

Storm water either sheet flows across the subject property and 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 on-site 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.

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. No residential, commercial or retail buildings were observed on the subject site at the time of the site reconnaissance. One small corrugated metal structure was observed in the southern portion of the subject site. It did not appear that there was a septic tank system associated with this building. Historically, several buildings (POI #s 82, 87, 90, and 91) have existed on-site. These structures may have had septic tank systems associated with them in the past. On the day of the site reconnaissance, BA Environmental could not determine visually if these former on-site structures had septic tank systems or whether they had been removed.

Wells, Cisterns and Sumps

One active water well (POI #s 10) was observed in the northern portion of the subject site. The water well was likely intended to supply irrigation water for a small nursery which operated near this well. The location of this water well is provided in Table 1 and shown in Figure 2.

Portions of the Legacy Village development are located in the southeastern-most portion of the Castaic Junction Oil Field and the eastern part of the Newhall-Potrero Oil Field. Approximately 23 oil wells (POI #s 2, 5, 8, 13, 14, 22, 25, 26, 31, 32, 33, 40, 41, 48, 51, 56, 59, 62, 67, 71, 75, 85 and 86) are located on the subject property. 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 steel well marker driven into the ground or welded to the top of the well casing. The well number is welded into the well marker. It appears that the former on-site oil production wells were abandoned under the supervision of DOGGR. (See the Agency Contacts section below.) Each of the well locations are currently occupied by cleared pads, except for POI #s 85 and 86, which are overgrown with vegetation and not accessible. Six of the on-site oil wells are either currently active, idle or capped (POI #s 40, 41, 51, 62, 67 and 71). Varying amounts of concrete, steel and wood debris were observed at each of the former oil well pads. Three of the pads (POI #s 8, 13 and 14) were observed to still have 7' by 7' concrete cellars. Most of the well pads were observed to have some concrete and steel debris around their peripheries. The active, idle and capped well locations (POI #s 40, 41, 51, 62, 67 and 71) were observed to have significant oil staining around the well head. Scattered staining was also observed in areas of these oil well pads. Varying amounts of asphaltic sand, tar clumps and/or oil staining were observed around each of the abandoned oil well pads.

Other exploratory wells, which may have been drilled and then abandoned, may have existed on-site. In addition, three oil wells (POI #s 4, 37 and 89) were identified on topographic maps which are not depicted on DOGGR maps. Two of the three oil wells (POI #s 4 and 89) depicted on the topographic maps are misidentified. The third well (POI #37) depicted on the topographic maps may also be a misidentification, as it was not identified on DOGGR maps. However, during the visual observation on the day of the site reconnaissance, a flattened pad covered with vegetation was observed at this location. Steel and concrete debris was observed scattered across the pad. Some asphaltic sand and a few tar clumps were observed at the location. Therefore, it may have been a well location that was not listed with DOGGR. Locations of all of the former oil production wells are provided in Table 1 and shown in Figures 2, 3 and 4.

A review of historical documents as well as observations made during the site reconnaissance revealed that a total of 19 suspect and identified sumps or basins have existed or were observed on-site (POI #s 4, 23, 24, 30, 38, 45, 57, 74, 77, 79, 81, 92, 93, 94, 96, 98, 99, 100, and 104). Currently, no active sumps exist on-site. Historically, two sumps (POI #s 4 and 100) existed in the northern portion of the subject site. Neither of the sumps presently exist. On the day of the site reconnaissance, the location of the former sump located at POI #100 was occupied by a cleared pad. No visible staining was observed. The second former sump, located at POI #4, was reported to have been an old production sump which was reportedly remediated on 1995. On the day of the site reconnaissance, this location was occupied by a vacant pad with some native vegetation. Some asphaltic sand and tar clumps were observed at this location.

Three possible sumps (POI #s 23, 24 and 96) were observed in the central portion of the

subject site on the day of the site reconnaissance. POI #s 23 and 24 may be old oil sumps or retention basins for stormwater runoff. No staining was observed in these two POIs. The sump located at POI #96 was observed to be relatively small. Some oil staining and asphaltic sand was observed at this location. Two historical sump locations (POI #s 30 and 98) were observed in historical aerial photographs. On the day of the site reconnaissance, some asphaltic sand and tar clumps were observed in the area of POI #98. The former sump location POI #30 appeared to be a flattened pad with no visible staining on the day of the site reconnaissance.

On the day of the site reconnaissance, four former sump locations (POI #s 38, 57, 79 and 81) were observed in the southern portion of the subject site. The berms of these sumps are still visible. No staining was observed in POI #s 57, 79 and 81. Heavy oil staining, tar clumps and asphaltic sand were observed in POI #38. Piping was observed to enter POI #38. Three historical sumps (POI #s 77, 94 and 104) were observed to be flattened areas on the day of the site visit. All three of these areas were observed to have asphaltic sand and tar clumps. Historical sump locations (POI #s 92, 93 and 99) were observed on historical documents; however, on the day of the site reconnaissance, no visible evidence of staining was observed. A cleared area which may have been a possible sump or catch basin (POI #74) was observed below the active oil well Ferguson #10 (POI #71). This area appeared to be slightly depressed, giving the appearance of an old sump or catch basin. BA Environmental did not observe any staining or visible evidence of petroleum hydrocarbon contamination.

Other unidentified oil sumps or former sumps related to the drilling of on-site oil wells may also have existed on-site, which were not visible on the day of the site reconnaissance or present in any of the historical documents reviewed. The locations of identified and suspect oil sumps are provided in Table 1 and are shown in Figures 2, 3 and 4.

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 nine pole-mounted electrical transformers were observed in three locations on-site. Locations of the on-site electrical transformers are provided in Table 2 and shown in Figures 2, 3 and 4. All of the transformers appeared to be of relatively recent manufacture. No staining was observed on the exteriors or on the ground surface beneath the transformers. 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 unlikely that any of the transformers contain PCB insulating oil.

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.

Historically, one tank battery, Exxon/Mobil Tank Battery 1 (POI #3) was located in the northern portion of the subject site. This tank battery was removed in the 1990s and some remedial activities were conducted in the area of the former tanks. On the day of the site reconnaissance, minor amounts of steel and concrete debris were observed in the area of this former tank battery. Some asphaltic sand was also observed within this area.

During the site reconnaissance, two approximate 3,000-gallon ASTs (POI #11) were observed in the northern portion of the subject property. These ASTs were noted to store water for a former nearby nursery operation.

A review of historical topographic maps and aerial photographs revealed that a tank battery (POI #36) was formerly located in the central portion of the subject site. No tanks were observed at this location on the day of the site reconnaissance. Scattered wood and steel debris was observed in the area of this former tank battery. Scattered asphaltic sand and tar clumps were also observed in this area. In addition, two locations (POI #s 98 and 102) were observed to have tank-like structures which were observed in historical aerial photographs. No evidence of the former tank-like structures was observed on-site on the day of the site reconnaissance. Scattered asphaltic sand was observed at POI #98. These structures may have only been temporary, and existed on-site for only a very short time.

On the day of the site reconnaissance, one tank battery (POI #65) was observed in the southern portion of the subject site. This battery consisted of two tanks (Ferguson Tanks 6674 and 6675), which were observed within a bermed area. The tanks have an estimated capacity of approximately 6,000 gallons each and were labeled as containing "Crude Oil." Some crude oil staining was observed within the bermed area. Historically, five oil field-related tank locations (POI #s 39, 46, 49, 55 and 93) were formerly located in the southern portion of the subject site. No tanks were observed in these locations on the day of the site reconnaissance. Piping, cleared pads, steel, concrete and wood debris were all that remained at these locations. Scattered asphaltic sand and tar clumps were observed at POI #s 39, 46, 93 and 98. On the day of the site reconnaissance, two flattened areas (POI #s 68 and 69), which may have been former tank areas, were observed in the southern portion of the subject property. Concrete and steel debris was observed at both of these POIs. Either oil staining and/or tar clumps were observed at these two locations. In addition, four locations (POI #s 95, 101, 103 and 106) were observed to have tank-like structures which were observed in historical aerial photographs. No evidence of the former tank-like structures was observed on-site on the day of the site reconnaissance. These structures may have only been temporary, and existed on-site for only a very short time.

In addition, historic documents revealed that one historic tank location (POI #88) was located in the southern portion of the subject property. This tank was historically used as a water tank. No evidence of this former tank was observed on the day of the site reconnaissance. Presently, one large (approximate 100,000-gallon) water tank (POI #108) is located in the southern portion of the subject property. This tank is a municipal water tank which supplies water to the Stevenson Ranch development.

Locations of the on-site storage tanks are provided in Table 1 and shown in Figures 2, 3 and 4.

Pipelines

Numerous oil pipelines are located on the subject site. These pipelines ranged in size from 2 inches to 8 inches in diameter. Some of the pipelines were observed on the surface. Many of the pipelines appeared to have been abandoned. Some of the pipelines appeared to still be in use. All of these petroleum pipelines service the local oil fields.

Utilities

Electric service is provided by Southern California Edison (SCE). No natural gas service is provided to the subject property. 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.

Drinking Water

Municipal water service is supplied by the City of 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 E.

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 vacant, residential, and oil production properties.

Adjacent properties to the north are predominantly vacant undeveloped land and portions of the Castaic Junction Oil Field. Adjacent to the east are some vacant undeveloped land and the Stevenson Ranch residential developments. Adjacent to the south is predominantly vacant undeveloped land and the former Pico Camp site (Historic Mentryville), which is a state historical landmark and park operated by the Mountain Recreation Conservation Authority. Adjacent to the west is predominantly vacant undeveloped land, the Newhall-Potrero Oil Field and a small portion of the Castaic Junction Oil Field.

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 23 oil wells located on the subject property. A review of topographic maps revealed only 19 oil wells were depicted, which were also identified on DOGGR maps. The topographic maps do not depict the oil wells listed in DOGGR records (POI #13, 25, 56, and 85). In

addition, one oil well was depicted on topographic maps, which was not depicted on DOGGR maps (POI #37). Although visual observation of this area showed a flattened pad and scattered asphaltic sand and tar clumps, it is unclear whether this site is an oil well that was not listed on DOGGR, or a misidentification. Two locations, a former production sump (POI #4) and a concrete pad (POI #89), were misidentified as oil wells on the topographic maps. Former oil well locations are provided in Table 3 and shown in Figures 2, 3 and 4. Additionally, 21 oil wells have been identified off-site, which are in close proximity to the development or are potentially in the grading footprint (POI #s 29, 67, 70, 83, 112, 113, 114, 115, 116, 117, 118, 124, 125, 126, 127, 128, 129, 130, 131, 132, and 133). Because of the proximity of these off-site oil wells to the subject site, or the potential for impact by on-site grading activities, the documentation for all 21 off-site wells identified was reviewed, and all have been plugged and abandoned properly, or are still currently active. Well records obtained from the DOGGR for the on-site oil wells are included as Appendix F.

Table 3
Oil Wells Located on Subject Site

Section	Township	Range	Operator	Well No.	Year Abandoned	Point of Interest
6	4 North	16 West	NM Fraser	'Gerard No. 1'	Unknown	56
24	4 North	17 West	Exxon	'Newhall Corp' 1	1995	05
24	4 North	17 West	Exxon	'Newhall Corp' 2	1952	08
24	4 North	17 West	Exxon	'Newhall Corp' 3	1988	02
25	4 North	17 West	Oryx Energy	Newhall Corp. Wolfson 3-5	1989	33
25	4 North	17 West	Oryx Energy	Newhall Corp. Wolfson 4-5	1989	32
25	4 North	17 West	Oryx Energy	Sunray McCulloch NCS #1	1958	13
25	4 North	17 West	Oryx Energy	MCOR McCulloch NC #1	1958	14
26	4 North	17 West	Oryx Energy	Newhall Corp. Wolfson 1-7	1989	25
26	4 North	17 West	Oryx Energy	Newhall Corp. Wolfson 2-7	1989	26
26	4 North	17 West	Oryx Energy	Newhall Corp. Wolfson 6-7	1989	22
31	4 North	16 West	Shell	'Ferguson' 2-7	1959	86
31	4 North	16 West	Vintage	'Ferguson' 7-2	2001	48
31	4 North	16 West	Vintage	'Ferguson' 8	Idle	51
31	4 North	16 West	Vintage	'Ferguson' 9-2	1997	59

36	4 North	17 West	Oryx Energy	Newhall Corp. Wolfson 5-5	Unknown	31
36	4 North	17 West	Vintage	'Ferguson' 2	2000	75
36	4 North	17 West	Vintage	'Ferguson' 3	Active	62
36	4 North	17 West	Vintage	'Ferguson' 4	Capped	67
36	4 North	17 West	Vintage	'Ferguson' 5	Active	40
36	4 North	17 West	Vintage	'Ferguson' 6	Idle	41
36	4 North	17 West	Vintage	'Ferguson' 10	Active	71
36	4 North	17 West	Shell	'Ferguson' 1-7	1959	85

DOGGR also supplied requirements for well abandonment procedures. A copy of the DOGGR oil well abandonment procedures is included in Appendix G. 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, 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 March 14, 2007 regarding USTs, hazardous materials storage and hazardous materials permits for the subject property. According to the LACDPW no files exist for the subject property.

California State Regional Water Quality Control Board (RWQCB)

BA Environmental contacted the RWQCB's UST Program and Spills, Leaks, Investigations and Cleanups (SLIC) Program, and Well Investigations Program (WIP) on March 1, 2007 regarding the subject site. According to the RWQCB, no files exist for the subject property.

California State Department of Toxic Substance Control (DTSC)

BA Environmental contacted the offices of the DTSC on March 1, 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 March 5, 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 March 5, 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 H. 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 2.0-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, **no** CERCLIS-NFRAP sites are located within a 2.0-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 2.5-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 2.5-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), **no** TSD facilities are located within a 2.0-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, **no** CORRACTS facilities are located within a 2.5-mile radius of the subject property.

   According to the June 2006 listing of hazardous waste generators, **no** large quantity generator (LQG) facilities and **1** small quantity generator (SQG) facility is located within a 1.75-mile radius of the subject property.

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 2.0-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 2.0-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 2.5-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 2.5-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, **no** ENVIROSTOR sites are located within a 2.5-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 2.5-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, **2** CHMIRS sites are located within a 1.5-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 2.0-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 2.0-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 2.5-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, **1** SWEEPS UST site is listed as being within a 1.75-mile radius of the subject property.

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, **3** LUST sites are listed as being within a 2.0-mile radius of the subject property.

19. The SWRCB maintains an inventory (CA UST) of registered USTs. According to the October 2006 version of this document, **no** UST sites are listed as being within a 1.75-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, the subject site is **not listed** as a Hist UST site.

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, **no** SLIC sites are located within a 2.0-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, **1** Cortese site is located within a 2.0-mile radius of the subject site.

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, **1** SWF/LF site is located within a 2.0-mile radius of the subject property.

25. BA Environmental reviewed the list of "orphan" sites, which have inadequate address information and are therefore unplotted. **Thirty-nine (39)** "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
Stevenson Ranch Venture LLC Pico Canyon Rd / Stevenson Pkwy W 1.5m	Possibly Subject Property	HAZNET	No reported violations; Manifested disposal of "other organic solids" and unspecified oil-containing wastes	Low
Stevenson Ranch Elementary 25820 N. Carroll Lane	1,320 feet East (down-gradient)	FINDS	No other information	Low
Bennett Murray Brine Sump 3 1/2 Mi W Hwy I-5 S Of Pico C	1,320 feet South (down/cross-gradient)	SWF/LF WMUDS/SWAT	Former landfill operated by Chevron; No longer active	Low
Arco Products Co 26835 Pico Canyon Rd	2,640 feet West (down-gradient)	LUST	Release of gasoline to "other groundwater"; Case closed 7/26/96	Low
26835 Pico Canyon Rd	2,640 feet West (down-gradient)	HAZNET CHMIRS Hist UST EMI	One 14,000-gallon UST	Low
Rancho San Francisco 26835 Pico Canyon Rd	2,640 feet West (down-gradient)	Hist UST	One 500-gallon UST and one 8,000-gallon gasoline UST	Low
Medallion California Properties Co 26835 Pico Canyon Road	2,640 feet West (down-gradient)	EMI HAZNET HMS	No reported violations	Low

Site of Concern and Address	Distance and Direction from Subject Property	Databases	Regulatory Status	Potential Environmental Impact
Sun Gas / Newhall Gas 26835 Pico Canyon Road	2,640 feet West (down-gradient)	ICIS RCRA-SQG FINDS	CWA 311B6B1 AO For Class I Penalty - SPCC Expedited Settlement Program; Enforcement date 10/13/05; No RCRA violations	Low
26835 West Pico Canyon Road	2,640 feet West (down-gradient)	CHMIRS	A Spilt Between a Top Stave and Roof of a Tank Occurred; Release of Petroleum	Low
Tidelands Oil Production Co. 26835 Pico Canyon Road	2,640 feet West (down-gradient)	EMI HMS	No violations	Low
Rancho San Fracisco & Ferguson 26835 Pico Canyon	2,640 feet West (down-gradient)	LUST	Release of petroleum hydrocarbons to groundwater; Case closed	Low
Sun Production & Exploration 26835 W Pico Canyon Rd	2,640 feet West (down-gradient)	HMS	Permit Status: Removed	Low
Oryx, Western Dist.Gas Plant 26835 W. Pico Canyon Road	2,640 feet West (down-gradient)	Toxic Pits	Status: Closed	Low
DKM Offshore Energy Inc 26835 W Pico Canyon Rd	2,640 feet West (down-gradient)	HMS	Permit Status: Closed	Low
Texaco Inc (Dest) 26835 W Pico Canyon Rd	2,640 feet West (down-gradient)	HMS	Permit Status: Closed	Low
26835 Pico Canyon Road	2,640 feet West (down-gradient)	ERNS	No other information	Low
Sun Production Co 26835 Pico Canyon Road	2,640 feet West (down-gradient)	CA FID UST SWEEPS UST	Tank status reported Active	Low
Hemingway Cleaners 25820 Hemingway St	2,640 feet East (down-gradient)	HAZNET CLEANERS	No violations	Low
Specialty Motors Inc 25060 Ave Tibbitts	2,640 feet East (down-gradient)	TRIS HAZNET	No violations	Low

Site of Concern and Address	Distance and Direction from Subject Property	Databases	Regulatory Status	Potential Environmental Impact
MJD Construction 26144 Ohara	3,960 feet East (down-gradient)	HAZNET	No violations	Low

The subject site was not listed on any of the environmental databases searched. Based on the poor information regarding its locality, Stevenson Ranch Venture LLC, located at Pico Canyon Road / Stevenson Parkway West 1.5 miles, it could not be determined if this site was located on-site or on an adjacent property. Based on its listing, there is a low potential for this facility to impact the subject property.

One address, 26835 Pico Canyon, was plotted on the EDR report as being on the subject property. Several different companies have been listed under this address, and listed on several different databases. Further investigation revealed that this address is located approximately 0.5 miles to the west of the subject site. This site is located down-gradient of the subject site. Based on the distance and down-gradient location of this facility from the subject site, there is a low potential for this site to have impacted the subject property.

The remaining facilities are approximately 0.25 miles or greater from the subject site. All of these facilities are located in down-gradient locations relative to the subject site. Based on the distances, locations and statuses of the remaining facilities, there is a low potential for environmental impact due to off-site sources.

ADDITIONAL NON-ASTM SCOPE ASSESSMENT

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.

No residential, commercial or retail structures were observed on the subject site. No suspect ACMs were observed on the subject site.

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.

No residential, commercial or retail structures were observed on the subject site.

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. No residential, commercial or retail structures were observed 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: 1) indoor radon measurements; 2) geology; 3) aerial radioactivity surveys; 4) soil parameters; and 5) 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 agencies, the subject site is not located within an identified methane zone. As portions of the subject site are located within the Castaic Junction Oil Field and the Newhall-Potrero 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. According to information provided in the EDR report, the southernmost portion of the subject site is located within a 500-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

One location in the southern portion of the proposed Legacy Village 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. Colored pin flags were observed in one area within the southern portion of the proposed Legacy Village development. These pin flags mark the locations of individual spineflowers. The areas of colored pin flags are shown in Figures 3 and 4.

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 1,758.5-acre subject property known as the Legacy Village development, Tract Map No. VTTM 061996, located near 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 no evidence of recognized environmental conditions in connection with the subject property, except for the following:

- Approximately 23 oil wells and associated production areas have existed on the subject property;
- Several former sumps, former tank batteries, and 2 areas 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;
- Numerous oil pipelines have been identified on the subject property;

- Residual soil contamination may exist in the subsurface soils beneath former Tank Battery #1 (POI #3) and in the area of the former associated production sump, and in the area of a former sump located near the oil well Medallion 9-2 (POI #59);
- Other unidentified oil sumps and drilling sumps may exist buried beneath the subject site;
- In a number of areas, crude oil was used on roadways. These roadways are impacted with petroleum hydrocarbons. In addition, oil staining, asphaltic sand and tar clumps were observed at locations throughout the subject site; and
- As the subject site has been used for oil production, methane gas may exist beneath the subject site.

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;
- If areas within the former oil production area are intended for residential usage, a methane survey may be prudent; and
- Any septic tank encountered during grading activities should be removed.

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 on-site production or irrigation 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 investigation 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; the interviews with current owners and occupants of the subject property (if available), and personnel at local government agencies; the compilation of the property history, including the review of previous environmental reports regarding the subject property (if available); the review of pertinent local regulatory agency files; the agency list search of facilities with recorded environmental issues located within the radii required by ASTM E1527-05; and the review of a survey and maps and applicable zones. 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 address, assess, or otherwise 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. 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 subsurface wetlands, mining, oil, pipeline, and/or gas well investigation.

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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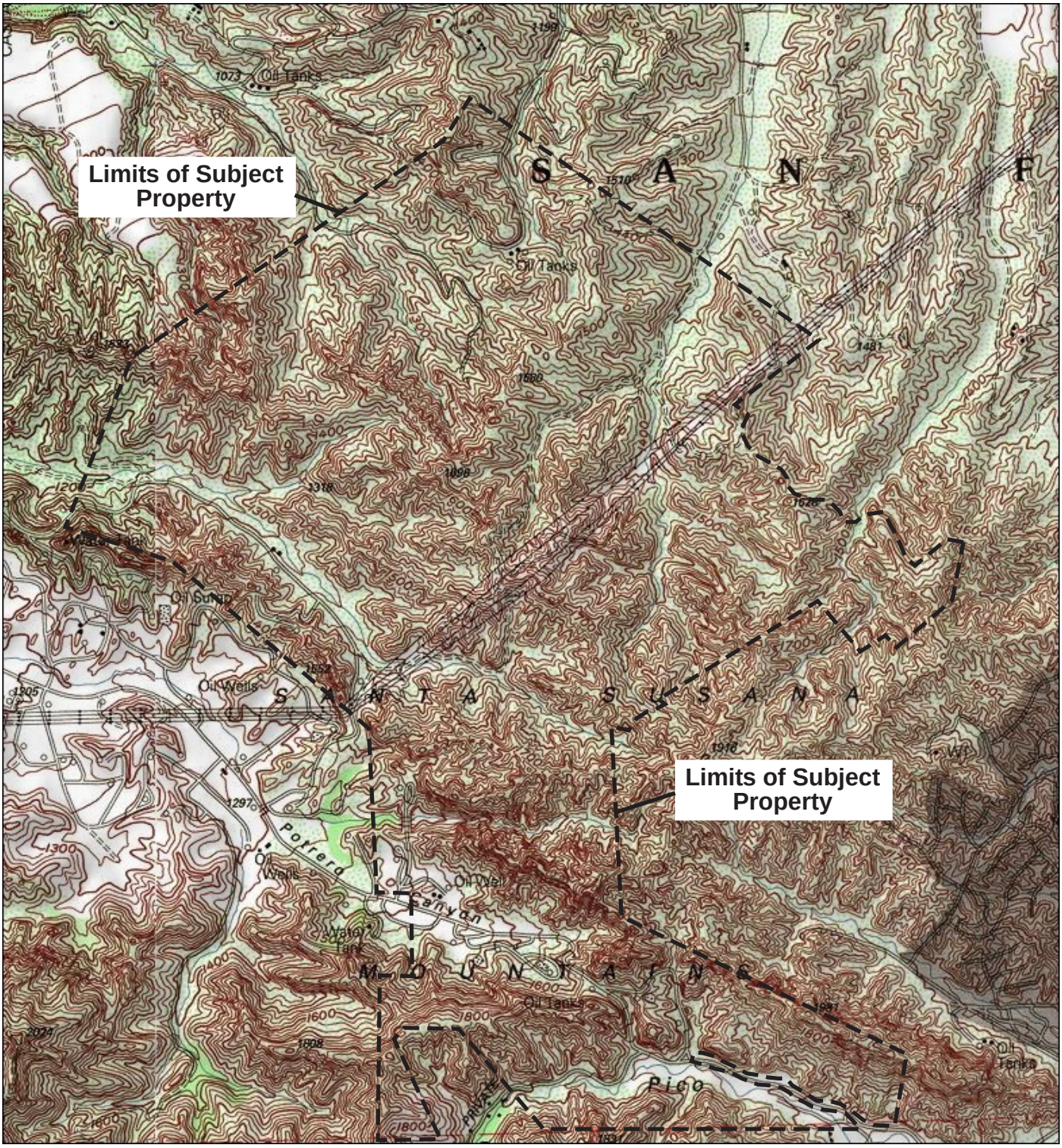
ATTACHMENTS

FIGURES



NORTH

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

SITE VICINITY

SCALE - 1:24,000

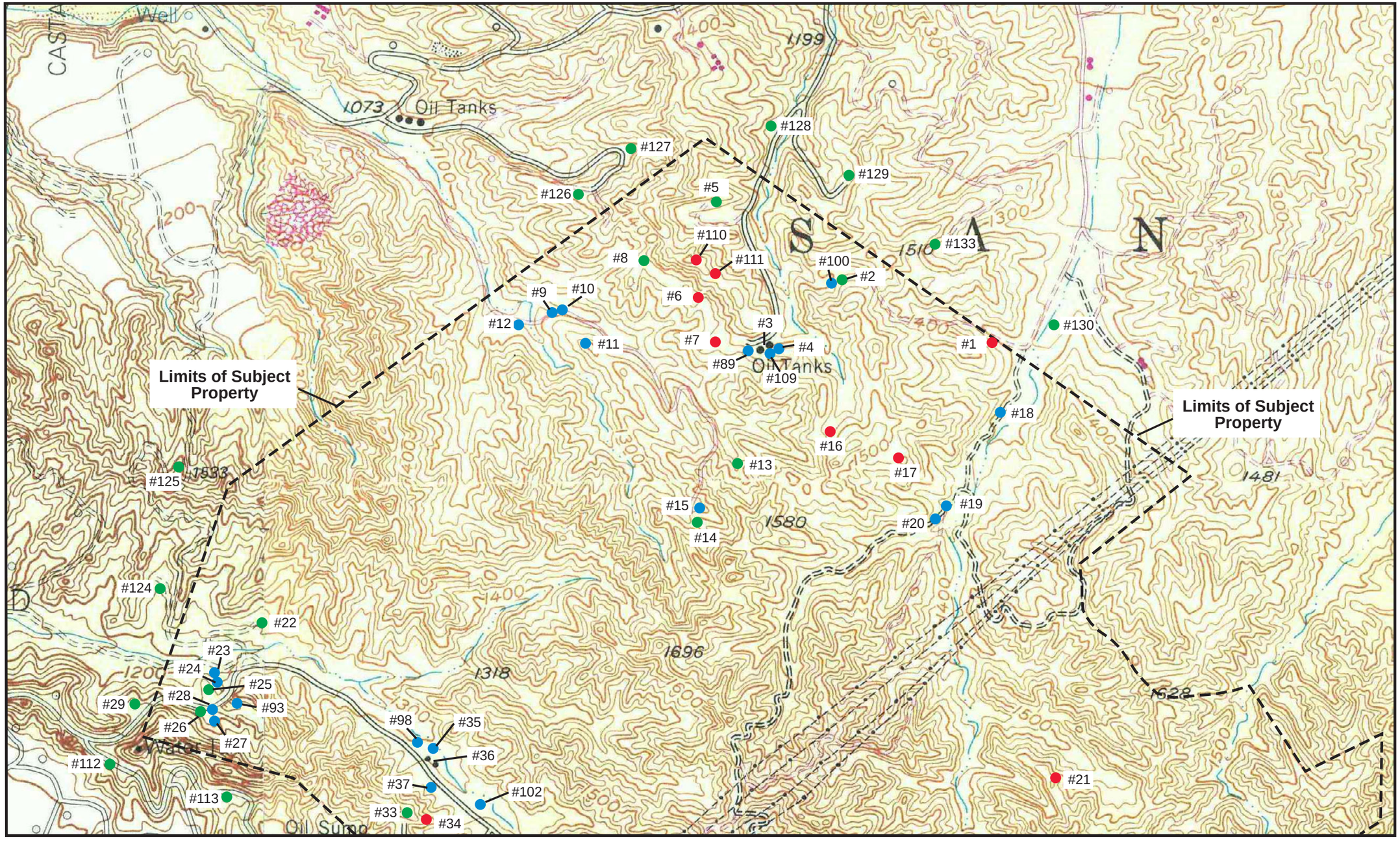
BA ENVIRONMENTAL

PHASE I ENVIRONMENTAL SITE ASSESSMENT

PROJECT: **Legacy Village**
Tract Map VTTM 061996
Valencia, California

PROJECT NO.
107008

FIGURE
1



BA ENVIRONMENTAL

NORTH

0 470 940

Approximate Scale, feet

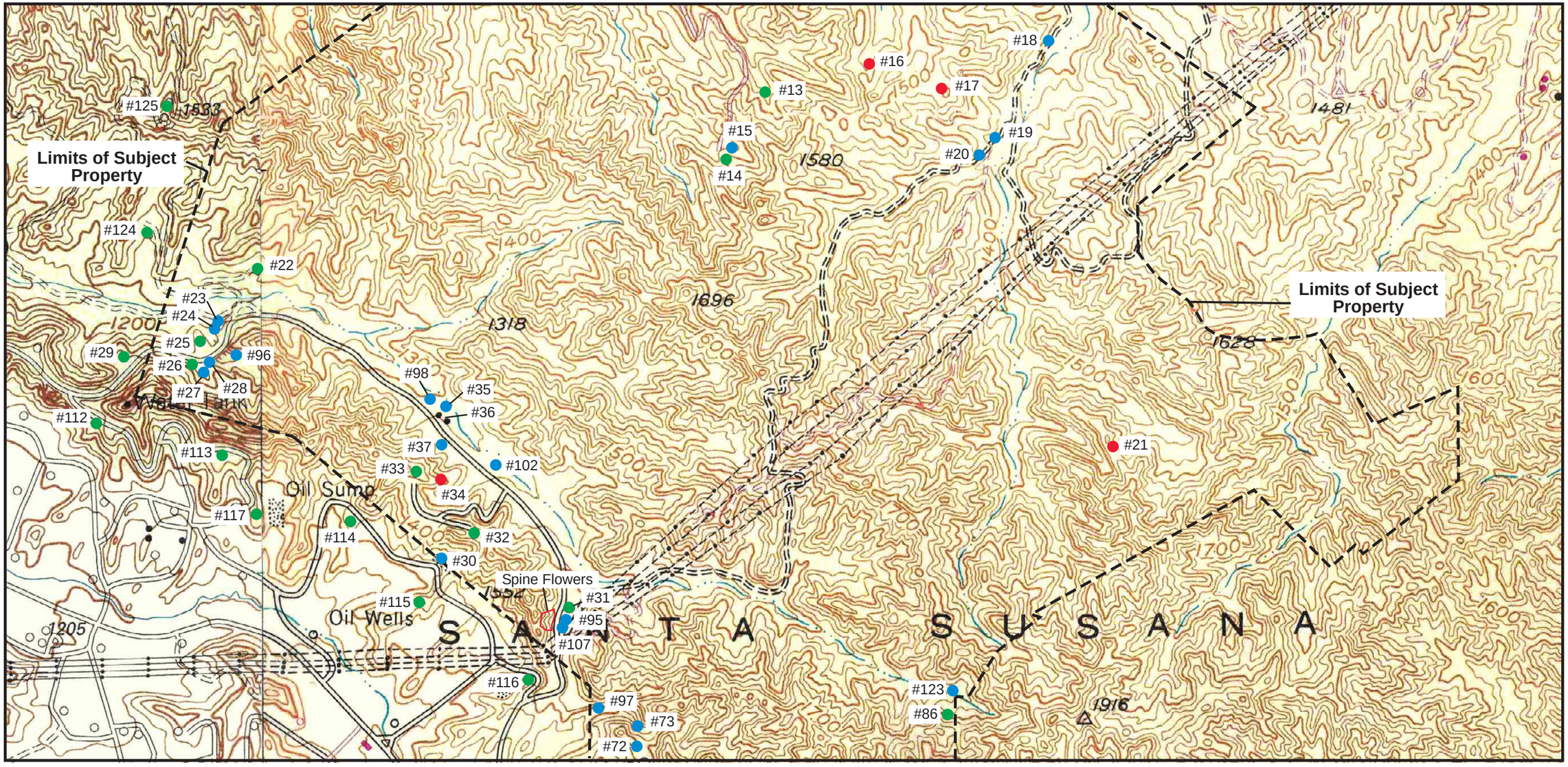
LEGEND

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

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Northern Portion POI Map
PROJECT: **Legacy Village**
Tract Map VTTM 061996
Valencia, California

PROJECT NO.
107008

FIGURE
2



BA ENVIRONMENTAL

NORTH

0 470 940

Approximate Scale, feet

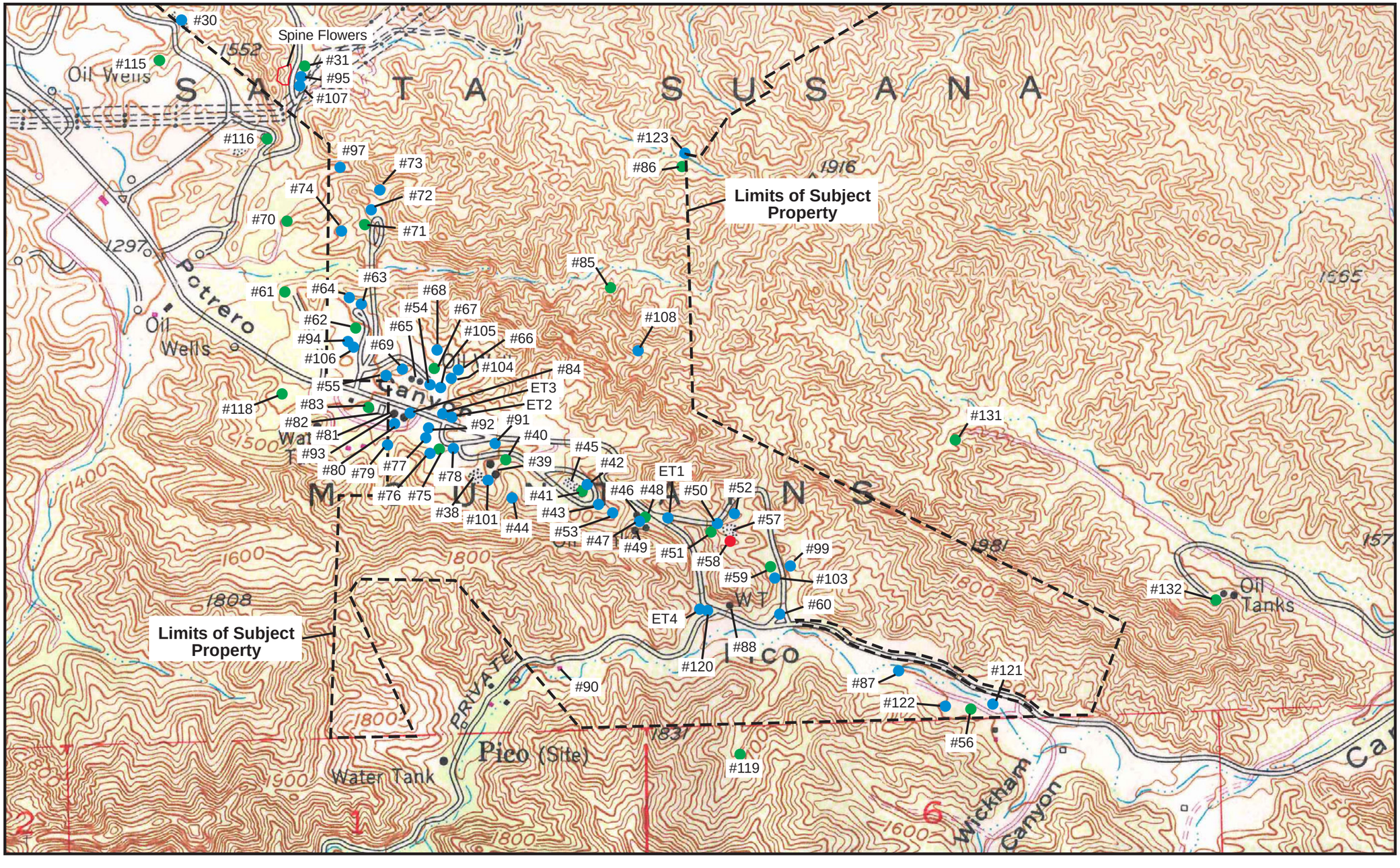
LEGEND

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

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Central Portion POI Map
PROJECT: **Legacy Village**
Tract Map VTTM 061996
Valencia, California

PROJECT NO.
107008

FIGURE
3



BA ENVIRONMENTAL

NORTH

0 470 940

Approximate Scale, feet

LEGEND

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

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Southern Portion POI Map
PROJECT: **Legacy Village**
Tract Map VTTM 061996
Valencia, California

PROJECT NO.
107008

FIGURE
4

BA ENVIRONMENTAL

NORTH

Site Plan

PHASE I ENVIRONMENTAL SITE ASSESSMENT
Development Map
PROJECT: **Legacy Village**
Tract Map VTTM 061996
Valencia, California

PROJECT NO.
107008

FIGURE
5

TABLES

Table 1
Points of Interest
Legacy Village Development
Tract Map No. VTTM 061996
Valencia, California

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#01	Geotechnical Pad	Legacy Village	1258’	N 34° 24.598’ W 118° 36.172’	Visual observation
#02	Abandoned Oil Well Exxon Newhall Corp #3	Legacy Village	1440’	N 34° 24.698’ W 118° 36.483’	Visual observation Well marker present Some concrete and steel debris Asphaltic sand and tar clumps with scattered oil staining Observed on DOGGR Map, topographic map and aerial photographs Installed: 1955 TD: 11,250’ Abandoned: 1988
#03	Location of former Exxon/Mobil Tank Battery #1	Legacy Village	1395’	N 34° 24.604’ W 118° 36.590’	Visual observation Cleared pad Minor amounts of concrete and steel debris Some asphaltic sand Observed on topographic maps and aerial photographs
#04	Location of former production sump	Legacy Village	1355’	N 34° 24.646’ W 118° 36.574’	Visual observation Some asphaltic sand and tar clumps Depicted on topographic maps as an oil well location Sump observed on aerial photographs

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#05	Abandoned Oil Well Exxon Newhall Corp #1	Legacy Village	1390’	N 34° 24.822’ W 118° 36.703’	Visual observation Well marker present Some concrete and steel debris Observed on DOGGR Map, topographic map and aerial photographs Installed: 1951 TD: 10,901’ Abandoned: 10/18/95
#06	Flattened cleared pad	Legacy Village	1379’	N 34° 24.615’ W 118° 36.700’	Visual observation Some pipe debris
#07	Flattened cleared pad	Legacy Village	1336’	N 34° 24.668’ W 118° 36.746’	Visual observation Pipe sections, old steel cable, and steel and wood debris
#08	Abandoned Oil Well Exxon Newhall Corp #2	Legacy Village	1369’	N 34° 24.730’ W 118° 36.829’	Visual observation No well marker present Some concrete, wood and steel debris Cellar still in-place Asphaltic sand approximately 110 feet north-northwest of well location Observed on DOGGR Map, topographic map and aerial photographs Installed: 1951 TD: 12,643’ Abandoned: 1952
#09	Fenced area with roll-off bin	Legacy Village	1230’	N 34° 24.641’ W 118° 37.006’	Visual observation Old plastic irrigation piping and plastic flower pots Associated with former nursery operation
#10	Irrigation water well	Legacy Village	1227’	N 34° 24.644’ W 118° 36.997’	Visual observation Located within POI #9

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#11	2 steel approximate 3,000-gallon water tanks	Legacy Village	1304’	N 34° 24.620’ W 118° 36.999’	Visual observation Associated with former nursery operation
#12	Fenced area	Legacy Village	1185’	N 34° 24.636’ W 118° 37.078’	Visual observation Old plastic irrigation piping, plastic flower pots, composting and other miscellaneous debris Location of former nursery operation
#13	Abandoned Oil Well Oryx Energy Corp. Sunray-McCulloch NCS #1	Legacy Village	1382’	N 34° 24.406’ W 118° 36.687’	Visual observation No well marker present Minor amount of concrete and steel debris Cellar still in-place but filled with dirt Observed on DOGGR Map and aerial photographs Installed: 1957 TD: 13,808’ Abandoned: 1958
#14	Abandoned Oil Well Oryx Energy Corp. MCOR Oil & Gas Corp. McCulloch NC #1	Legacy Village	1366’	N 34° 24.323’ W 118° 36.753’	Visual observation No well marker present Some concrete and steel debris Cellar still in-place Some tar and asphaltic sand approximately 60 feet southwest of well location Some oil staining located approximately 36 feet north-northeast of well location Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1958 TD: 13.038’ Abandoned: 1958

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#15	Geotechnical boring location	Legacy Village	1365’	N 34° 24.323’ W 118° 36.746’	Visual observation
#16	Flattened area	Legacy Village	1473’	N 34° 24.465’ W 118° 36.496’	Visual observation No visible staining or debris
#17	Geotechnical Pad	Legacy Village	1530’	N 34° 24.482’ W 118° 36.385’	Visual observation
#18	Exposed 4” diameter steel pipe	Legacy Village	1328’	N 34° 24.498’ W 118° 36.169’	Visual observation No visible staining
#19	Exposed 4” diameter steel pipe	Legacy Village	1327’	N 34° 24.394’ W 118° 36.224’	Visual observation No visible staining
#20	Exposed 4” diameter steel pipe	Legacy Village	1327’	N 34° 24.368’ W 118° 36.246’	Visual observation No visible staining
#21	Geotechnical Pad	Legacy Village	1603’	N 34° 23.888’ W 118° 35.999’	Visual observation
#22	Abandoned Oil Well Oryx Energy Corp. Newhall Corp. Wolfson 6-7	Legacy Village	1211’	N 34° 24.162’ W 118° 37.581’	Visual observation Well marker present Scattered concrete and steel debris Cellar still in-place Some scattered tar clumps and asphaltic sand Some oil staining located approximately 66 feet east of well location Observed on DOGGR Map, topographic maps and aerial photographs Installed: 8/30/57 TD: 12,361’ Abandoned: 9/21/89
#23	Shallow depression – possible sump	Legacy Village	1207’	N 34° 24.099’ W 118° 37.665’	Visual observation No visible staining
#24	Possible sump or old retention basin	Legacy Village	1244’	N 34° 24.091’ W 118° 37.662’	Visual observation No visible staining

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#25	Abandoned Oil Well Oryx Energy Corp. Newhall Corp. Wolfson 1-7	Legacy Village	1258’	N 34° 24.049’ W 118° 37.671’	Visual observation Well marker present Scattered concrete, wood and steel debris Some scattered asphaltic sand Observed on DOGGR Map and aerial photographs Installed: 1940 TD: 9,508’ Abandoned: 8/3/45; reabandoned : 12/11/89
#26	Abandoned Oil Well Oryx Energy Corp. Newhall Corp. Wolfson 2-7	Legacy Village	1279’	N 34° 24.026’ W 118° 37.690’	Visual observation Well marker present Scattered concrete and steel debris Some asphaltic sand approximately 22 feet and 100 feet northwest of the well location Observed on DOGGR Map, topographic maps and aerial photographs Installed: 9/13/49 TD: 12,428’ Abandoned 9/27/89
#27	Area of significant oil staining, asphaltic sand, and tar mats and clumps	Legacy Village	1281’	N 34° 24.019’ W 118° 37.671’	Visual observation Approximately 105 feet East of POI #26
#28	Area of asphaltic sand, tar mats and clumps, and steel debris	Legacy Village	1267’	N 34° 24.036’ W 118° 37.700’	Visual observation Approximately 50 feet East of POI #26

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#29	Abandoned Oil Well Oryx Energy Corp. Rancho San Francisco #85-7	Potrero Valley (off-site)	1334’	N 34° 24.043 W 118° 37.815’	Visual observation Well marker present Scattered concrete and steel debris Numerous piping on surface Asphaltic sand around piping Observed on DOGGR Map, topographic maps and aerial photographs Abandoned 4/9/84
#30	Flattened pad – Former sump location	Legacy Village	1339’	N 34° 23.739’ W 118° 37.247’	Visual observation Some concrete debris Observed on aerial photographs Depicted on topographic maps as an oil sump Appeared to be used for dry farming on day of site reconnaissance
#31	Abandoned Oil Well Oryx Energy Corp. Newhall Corp. Wolfson 5-5	Legacy Village	1392’	N 34° 23.642’ W 118° 36.624’	Visual observation Well marker present Some oil staining around well location Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1951 TD: 10,526’ Abandoned: unknown

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#32	Abandoned Oil Well Oryx Energy Corp. Newhall Corp. Wolfson 4-5	Legacy Village	1462’	N 34° 23.786’ W 118° 37.200’	Visual observation Well marker present Scattered concrete and asphalt debris Some oil staining approximately 150 feet east-northeast of the well location Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1950 TD: 10,658’ Abandoned: 1989
#33	Abandoned Oil Well Oryx Energy Corp. Newhall Corp. Wolfson 3-5	Legacy Village	1450’	N 34° 23.879’ W 118° 37.325’	Visual observation Well marker present Scattered concrete and asphalt debris Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1950 TD: 11,044’ Abandoned: 1989
#34	Geotechnical Boring	Legacy Village	1461’	N 34° 23.869’ W 118° 37.278’	Visual observation
#35	Area of asphaltic sand and oil staining	Legacy Village	1312’	N 34° 23.958 W 118° 37.237’	Visual observation
#36	Location of former tank battery	Legacy Village	1306’	N 34° 23.940’ W 118° 37.235’	Visual observation Tanks no longer present Some wood and steel debris Scattered asphaltic sand and tar clumps Observed on topographic map and aerial photographs

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#37	Possible former oil well location	Legacy Village	1297’	N 34° 23.909’ W 118° 37.231’	Visual observation Flattened pad Some wood and steel debris Scattered asphaltic sand and tar clumps Depicted on topographic map as an oil well Some type of equipment observed on aerial photographs Not depicted on DOGGR maps
#38	Location of former oil sump	Legacy Village	1513’	N 34° 23.068’ W 118° 36.704’	Visual observation Asphaltic sand and tar clumps Depicted on topographic maps
#39	Location of former tank battery	Legacy Village	1489’	N 34° 23.033’ W 118° 36.639’	Visual observation Exposed piping Some gravel ballast Significant oil staining and asphaltic sand around pipes and valves Observed on topographic map and aerial photographs
#40	Active Oil Well Medallion. Ferguson #5	Legacy Village	1513’	N 34° 23.091’ W 118° 36.639’	Visual observation Heavy oil staining around well head Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1949 TD: 7,279’ Abandoned: Active

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#41	Idle Oil Well Medallion. Ferguson #6	Legacy Village	1535’	N 34° 23.033’ W 118° 36.521’	Visual observation Heavy oil staining around well head A concrete pad and piping were observed in-place Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1949 TD: 7,290’ Abandoned: Idle
#42	Old oil field equipment	Legacy Village	1534’	N 34° 23.043’ W 118° 36.515’	Visual observation Appeared to be some type of pressure vessel No longer in use
#43	Area of oil staining	Legacy Village	1564’	N 34° 23.020’ W 118° 36.502’	Visual observation
#44	Geotechnical boring	Legacy Village	1600’	N 34° 23.047’ W 118° 36.640’	Visual observation
#45	Location of former oil sump	Legacy Village	1552’	N 34° 23.055’ W 118° 36.546’	Visual observation Observed on topographic maps
#46	Tank location	Legacy Village	1635’	N 34° 23.095’ W 118° 36.431’	Visual observation Observed on topographic maps and aerial photographs
#47	Concrete debris and some in-place piping	Legacy Village	1648’	N 34° 23.011’ W 118° 36.425’	Visual observation

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#48	Abandoned Oil Well location Medallion. Ferguson #7-2	Legacy Village	1680’	N 34° 23.003’ W 118° 36.417’	Visual observation Well marker present No visible staining Some concrete, steel and asphalt debris Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1950 TD: 7409’ Abandoned: 1/19/01
#49	Location of former tank battery	Legacy Village	1674’	N 34° 22.995’ W 118° 36.420’	Observed to be flat pad with some in-place piping No visible staining Some concrete and brick debris Observed on aerial photographs and topographic maps
#50	Burnt truck trailer	Legacy Village	1578’	N 34° 22.991’ W 118° 36.300’	Visual observation Placarded with ‘Flammable Gas 2” Observed to contain debris
#51	Idle Oil Well Medallion. Ferguson #8	Legacy Village	1648’	N 34° 22.984’ W 118° 36.290’	Visual observation Heavy oil staining around well head Pump unit in-place Oil staining approximately 100 feet east-southeast and 125 feet southeast of the oil well location Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1950 TD: 7,459’ Abandoned: Idle
#52	Shallow excavation	Legacy Village	1640’	N 34° 23.000’ W 118° 36.237’	Visual observation No visible staining

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#53	Flattened area	Legacy Village	1558’	N 34° 23.007’ W 118° 36.473’	Visual observation No debris or staining Above and east of POI #41
#54	Area of oil staining and asphaltic sand	Legacy Village	1444’	N 34° 23.206’ W 118° 36.794’	Visual observation Southwest of POI #104 Observed in aerial photographs
#55	Former tank location	Legacy Village	1420’	N 34° 23.207’ W 118° 36.882’	Visual observation Flattened pad 4” diameter vertical pipe in-place Observed on topographic maps and aerial photographs
#56	Abandoned Oil Well location NM Fraser Gerard No. 1	Legacy Village	1488’	N 34° 22.721’ W 118° 35.832’	Observed on DOGGR Map and aerial photographs Installed: 2/1936 TD: 960’ Abandoned: unknown
#57	Location of former oil sump	Legacy Village	1607	N 34° 22.989’ W 118° 36.231’	No visible evidence of staining Observed on topographic map and aerial photographs
#58	Flattened Pad	Legacy Village	1618’	N 34° 22.968’ W 118° 36.216’	Visual observation
#59	Abandoned Oil Well location Medallion. Ferguson #9-2	Legacy Village	1557’	N 34° 22.942’ W 118° 36.177’	Visual observation No well marker present No visible staining Some concrete and steel debris Some oil staining approximately 40 feet north-northeast and 40 feet southeast of the well location Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1950 TD: 7,266’ Abandoned: 11/20/97

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#60	Storage area for roll-off bins	Legacy Village	1561’	N 34° 22.858’ W 118° 36.146’	Visual observation Approximately 40 bins stored in this area
#61	Active Oil Well Medallion. Rancho San Francisco #68-5	Potrero Valley (off-site)	1350’	N 34° 23.331’ W 118° 37.020’	Visual observation Abandoned: Active
#62	Active Oil Well location Medallion. Ferguson #3	Legacy Village	1381’	N 34° 23.276’ W 118° 36.919’	Visual observation Heavy oil staining around well head Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1947 TD: 9,147’ Abandoned: Active
#63	Flattened pad	Legacy Village	1338’	N 34° 23.309’ W 118° 36.916’	Visual observation Some wood and metal debris Some oil staining and asphaltic sand
#64	Fenced enclosure with metal frame work	Legacy Village	1392’	N 34° 23.321’ W 118° 36.932’	Visual observation
#65	Ferguson Tank Battery F-4	Legacy Village	1449’	N 34° 23.232’ W 118° 36.832’	Visual observation Ferguson tanks 6674 and 6675 Tanks located within protective berm Steel riveted tanks Oil staining observed within the bermed area around piping to and from the tanks
#66	Building – Temporary structure	Legacy Village	1452’	N 34° 23.214’ W 118° 36.754’	Visual observation Movie set used for filming Not permanent structure

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#67	Capped Oil Well location Medallion. Ferguson #4	Legacy Village	1466’	N 34° 23.232’ W 118° 36.779’	Visual observation Well marker present Some concrete and steel debris Steel piping in-place Some asphaltic sand and oil staining on surrounding pad Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1948 TD: 8,975’ Abandoned: Capped
#68	Flattened pad	Legacy Village	1485’	N 34° 23.257’ W 118° 36.779’	Visual observation Some steel debris Some tar clumps
#69	Flattened area – area of trash and debris dumping	Legacy Village	1467’	N 34° 23.034’ W 118° 36.851’	Visual observation Steel and concrete debris Old bathroom fixtures Old steel cable
#70	Active Oil Well Medallion. Rancho San Francisco #106-5	Potrero Valley (off-site)	1373’	N 34° 23.441’ W 118° 36. 059’	Visual observation Abandoned: Active
#71	Active Oil Well location Medallion. Ferguson #10	Legacy Village	1472’	N 34° 23.444’ W 118° 36.903’	Visual observation Heavy oil staining around well head Observed on DOGGR Map, topographic maps and aerial photographs Installed: 5/20/52 TD: 10,526’ Abandoned: Active
#72	Area of oil staining	Legacy Village	1502’	N 34° 23.464’ W 118° 36.891’	Visual observation

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#73	Area of old land filling	Legacy Village	1472’	N 34° 23.477’ W 118° 36.881’	Visual observation Steel debris, and various old appliances and equipment, concrete blocks, concrete debris, old cans and bottles
#74	Possible sump or catch basin	Legacy Village	1443’	N 34° 23.452’ W 118° 36.974’	Visual observation Area cleared of vegetation
#75	Abandoned Oil Well location Medallion. Ferguson #2	Legacy Village	1465’	N 34° 23.106’ W 118° 36.773’	Visual observation Well marker present Some concrete and steel debris Scattered asphaltic sand and oil staining on surrounding pad Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1943 TD: 7,114’ Abandoned: 6/22/00
#76	Area of dark petroleum staining	Legacy Village	1463’	N 34° 23.101’ W 118° 36.783’	Visual observation Approximate 4’ by 4’ area Strong petroleum hydrocarbon odor
#77	Location of former oil sump	Legacy Village	1447’	N 34° 23.117’ W 118° 35.795’	Visual observation Presently flattened pad Some asphaltic sand, oil staining and tar clumps on surface Observed on aerial photographs
#78	Small corrugated steel building	Legacy Village	1433’	N 34° 23.096’ W 118° 36.749’	Visual observation Building was empty No staining
#79	Flattened area with berm-Possible sump	Legacy Village	1402’	N 34° 23.124’ W 118° 36.371’	Visual observation
#80	Petroleum hydrocarbon stained area	Legacy Village	1424’	N 34° 23.140’ W 118° 36.866’	Visual observation

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#81	Sump location	Legacy Village	1432’	N 34° 23.156’ W 118° 36.867’	Visual observations Sump still present Heavy oil staining, asphaltic sands, and tar clumps and mats in bottom and walls of sump Some piping into sump still present Observed on aerial photographs
#82	Location of former structure	Legacy Village/Potrero Valley	1415’	N 34° 23.160’ W 118° 36.884’	Visual observation Concrete foundations still in-place Located right on the border of development
#83	Idle Oil Well location Medallion. Ferguson #1	Potrero Valley (off-site)	1402’	N 34° 23.170’ W 118° 36.895’	Visual observation Abandoned: Idle
#84	Pump Unit	Legacy Village	1416’	N 34° 23.152’ W 118° 36.830’	Visual observation Appears to be in use Oil staining around base and piping
#85	Abandoned Oil Well location Shell E&P. Ferguson #1-7	Legacy Village	~1600’	No GPS Coordinates	Not accessible due to dense vegetation Observed on DOGGR Map and aerial photographs Installed: 1959 TD: 12,464’ Abandoned: 1959
#86	Abandoned Oil Well location Shell E&P. Ferguson #2-7	Legacy Village	1688’	N 34° 23.538’ W 118° 36.373’	Visual observation No evidence of well Observed on DOGGR Map, topographic maps and aerial photographs Installed: 1959 TD: 12,464’ Abandoned: 1959
#87	Former structure	Legacy Village	1496’	N 34° 22.765’ W 118° 35.935’	Observed on topographic maps

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#88	Former water tank	Legacy Village	1569’	N 34° 22.869’ W 118° 36.234’	Observed on topographic maps and aerial photographs
#89	Location of former raised concrete foundation	Legacy Village	1387’	N 34° 24.588’ W 118° 36.605’	Visual observation No longer present Located adjacent to POI #3 Misidentified on the 1995 topographic maps as an oil well
#90	Former structure	Legacy Village	1608’	N 34° 22.793’ W 118° 36.538’	Observed on topographic maps and aerial photographs
#91	Unidentified structure (oil field related)	Legacy Village	1471’	N 34° 23.098’ W 118° 36.721’	Observed on 1952 aerial photograph
#92	Possible sump	Legacy Village	1415’	N 34° 23.134’ W 118° 36.805’	Observed on 1947 aerial photograph
#93	Former tank battery	Legacy Village	1416’	N 34° 23.152’ W 118° 36.830828’	Visual observation Observed on topographic maps and aerial photographs This location was observed to be occupied by a sump in the 1947 aerial photograph
#94	Possible former oil sump	Legacy Village	1384’	N 34° 23.256’ W 118° 36.936’	Observed on 1952 aerial photograph Visual observation revealed no sump currently present Tar clumps and asphaltic sand present in area
#95	Possible tank location	Legacy Village	1418’	N 34° 23.646’ W 118° 37.033’	Observed in aerial photographs
#96	Possible former sump location	Legacy Village	1256’	N 34° 24.029’ W 118° 37.625’	Observed in 1952 aerial photographs
#97	Partially buried 55-gallon drum	Legacy Village	1364’	N 34° 23.518’ W 118° 36.986’	Visual observation Drum appeared to be empty Drum not labeled

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#98	Possible sump location and former tank location	Legacy Village	1286’	N 34° 23.970’ W 118° 37.261’	Observed in aerial photographs Visual observation No visible evidence Some asphaltic sand Historic records show a tank located at this POI.
#99	Old sump	Legacy Village	1556’	N 34° 22.934’ W 118° 36.162’	Observed on 1968 aerial photograph
#100	Possible former sump	Legacy Village	1420’	N 34° 24.697’ W 118° 36.507’	Observed in aerial photographs
#101	Tank location	Legacy Village	1498’	N 34° 23.057’ W 118° 36.702’	Observed in aerial photographs
#102	Tank location	Legacy Village	1306’	N 34° 23.884’ W 118° 37.139’	Observed in aerial photographs
#103	Possible tank location	Legacy Village	1532’	N 34° 22.918’ W 118° 36.165’	Observed in aerial photographs
#104	Former sump location	Legacy Village	1464’	N 34° 23.216’ W 118° 36.751’	Observed in 1952 aerial photograph Visual observations revealed Tar clumps and some asphaltic sand
#105	Stained area observed on aerial photographs	Legacy Village	1440’	N 34° 23.191’ W 118° 36.780’	Observed in aerial photographs Visual observation revealed no staining
#106	Possible tank location	Legacy Village	1391’	N 34° 23.252’ W 118° 36.912’	Observed in aerial photographs Visual observation revealed no staining
#107	Approximate 3,000-gallon water tank	Legacy Village	1418’	N 34° 23.646’ W 118° 37.033’	Visual observation On raised steel frame work Similar top those used in road construction
108	Large municipal water tank	Legacy Village	1880’	N 34° 23.258’ W 118° 36.388’	Visual observation Approximate 100,000-gallon tank Valencia Water District
#109	Area of asphaltic sand and tar clumps	Legacy Village	1401’	N 34° 24.624’ W 118° 36.571’	Visual observations Some concrete debris

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#110	Geotechnical pad	Legacy Village	1450’	N 34° 24.719’ W 118° 36.703’	Visual observations
#111	Geotechnical pad	Legacy Village	1504’	N 34° 24.737’ W 118° 36.752’	Visual observations
#112	Abandoned Oil Well Oryx. Rancho San Francisco #79	Potrero Valley (off-site)	1382’	N 34° 23.942’ W 118° 37.851’	Visual observation Well marker present Observed on DOGGR Map, topographic maps and aerial photographs Abandoned: 3/21/86
#113	Abandoned Oil Well Medallion. Rancho San Francisco #83	Potrero Valley (off-site)	1379’	N 34° 23.903’ W 118° 37.632’	Visual observation Well marker present Observed on DOGGR Map, topographic maps and aerial photographs Abandoned: unknown
#114	Abandoned Oil Well Oryx. Rancho San Francisco #85	Potrero Valley (off-site)	1257’	N 34° 23.784’ W 118° 37.412’	Visual observation Well marker present Observed on DOGGR Map, topographic maps and aerial photographs Abandoned: 2/20/97
#115	Active Oil Well Medallion Rancho San Francisco #91-5	Potrero Valley (off-site)	1333’	N 34° 23.681’ W 118° 37.266’	Visual observation Observed on DOGGR Map, topographic maps and aerial photographs Abandoned: Active
#116	Active Oil Well Medallion Rancho San Francisco #96-5	Potrero Valley (off-site)	1346’	N 34° 23.564’ W 118° 37.105’	Visual observation Observed on DOGGR Map, topographic maps and aerial photographs Abandoned: Active

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#117	Active Oil Well Medallion Rancho San Francisco #99-5	Potrero Valley (off-site)	1265’	N 34° 23.815’ W 118° 37.582’	Visual observation Observed on DOGGR Map, topographic maps and aerial photographs Abandoned: Active
#118	Abandoned Oil Well Oryx. Rancho San Francisco #32	Potrero Valley (off-site)	1381’	N 34° 23.183’ W 118° 37.039’	Visual observation Well marker present Observed on DOGGR Map, topographic maps and aerial photographs Abandoned: 4/81
#119	Abandoned Oil Well Downey Oil Corp. Well No. 1	Off-site	~1625’	No GPS Coordinates	Observed on DOGGR Map Abandoned: 4/81
#120	Vault with shut-off valve	Legacy Village	1551’	N 34° 22.867’ W 118° 36.294’	Visual observation Shut-off valve for high pressure SCG gas pipe line
#121	Empty 55-gallon drum	Legacy Village	1474’	N 34° 22.716’ W 118° 35.734’	Visual observation Empty and unlabeled No staining
#122	55-gallon drum full of cement or grout	Legacy Village	1464’	N 34° 22.727’ W 118° 35.872’	Visual observation Unlabeled No staining
#123	7 roll-off bins and a small storage shed	Legacy Village	1667’	N 34° 23.607’ W 118° 36.384’	Visual observation Roll-off bins appear to contain construction debris and general waste Interior of storage shed was not accessible, however peering through separation in door it appeared to contain approximately 30 5-gallon buckets of paint and paint wastes Some paint staining observed around exterior of building

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#124	Abandoned Oil Well Medallion Rancho San Francisco #147-7	Long Canyon North (off-site)	1260’	N 34° 24.215’ W 118° 37.756’	Visual observation Well marker present Observed on DOGGR Map, topographic map and aerial photographs Abandoned: Active
#125	Abandoned Oil Well Oryx. Rancho San Francisco #155	Mesas West (off-site)	1399’	N 34° 24.401’ W 118° 37.720’	Visual observation Well marker present Observed on DOGGR Map, topographic map and aerial photographs Abandoned: 1-13-81
#126	Abandoned Oil Well Newhall Land and Farm #11	Mission Village (off-site)	1290’	N 34° 24.839’ W 118° 36.964’	Visual observation Well marker present Observed on DOGGR Map, topographic map and aerial photographs Abandoned: 1992
#127	Abandoned Oil Well Newhall Land and Farm #5	Mission Village (off-site)	1274’	N 34° 24.910’ W 118° 37.848’	Visual observation Well marker present Observed on DOGGR Map, topographic map and aerial photographs Abandoned: 1995
#128	Abandoned Oil Well Newhall Land and Farm #7	Mission Village (off-site)	1275’	N 34° 24.942’ W 118° 36.595’	Visual observation Well marker present Observed on DOGGR Map, topographic map and aerial photographs Abandoned: 1992
#129	Abandoned Oil Well Newhall Land and Farm #24	Mission Village (off-site)	1342’	N 34° 24.848’ W 118° 36.473’	Visual observation Well marker present Observed on DOGGR Map, topographic map and aerial photographs Abandoned: 1995

Location Number	Item of Interest	Project Development	Approximate Elevation*	GPS Coordinates**	Remarks
#130	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 Observed on DOGGR Map, topographic map and aerial photographs Abandoned: 1995
#131	Abandoned Oil Well Phillips Newhall Corp. 1	Stevensons Ranch (off-site)	~1600’	No GPS Coordinates	Observed on DOGGR Map, topographic maps and aerial photographs Abandoned: unknown
#132	Abandoned Oil Well Union Ferguson 1	Stevensons Ranch (off-site)	~1550’	No GPS Coordinates	Observed on DOGGR Map, topographic maps and aerial photographs Abandoned: unknown
#133	Abandoned Oil Well Newhall Land and Farm #41	Mission Village (off-site)	1405’	N 34° 24.758’ W 118° 36.294’	Visual observation Well marker present Observed on DOGGR Map, topographic map and aerial photographs Abandoned: 1988

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
Legacy Village Development
Tract Map No. VTTM 061996
Valencia, California

Location Number	Number of Transformers	Type	Approximate Elevation*	GPS Coordinates**	Remarks
ET1	3	Pole Mounted	1577’	N 34° 22.990’ W 118° 36.430’	New cylindrical type
ET 2	3	Pole Mounted	1409’	N 34° 23.152’ W 118° 36.769’	New cylindrical type
ET 3	3	Pole Mounted	1405’	N 34° 23.153’ W 118° 36.778’	New cylindrical type
ET 4	1	Pole Mounted	1562’	N 34° 22.869’ W 118° 36.293’	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

SITE PHOTOGRAPHS

Northern Portion

1

1. View looking north.

2

2. View looking northwest.

3

3. View looking east.

4

4. View looking southeast.

5

5. Location of abandoned oil well Exxon Newhall Corp #3 (POI #2).

6

6. Close-up of abandoned oil well Exxon Newhall Corp #3 (POI #2).

7

7. Location of possible former sump identified in historical aerial photographs (POI #100).

8

8. Location of former Exxon/Mobil Tank Battery #1 (POI #3).

9

9. Oil-stained soil in area of POI #3.

10

10. Location of former production sump (POI #4).

11

11. View of former production sump (POI #4).

12

12. Location of abandoned oil well Exxon Newhall Corp #1 (POI #5).

13

13. Flattened cleared pad with steel and wood debris (POI #7).

14

14. Location of abandoned oil well Exxon Newhall Corp #2 (POI #8).

15

15. Remnants of concrete cellar for Exxon Newhall Corp #2 (POI #8).

16

16. Oil staining near POI #8.

17

17. Fenced area with roll-off bin (POI #9).

18

18. Irrigation water well (POI #10).

19

19. Two 3,000-gallon water tanks (POI #11).

20

20. Fenced area formerly used as a nursery (POI #12).

21

21. Location of abandoned oil well Oryx Energy Corp. Sunray-McCulloch NCS #1 (POI #13).

22

22. Concrete cellar for Oryx Energy Corp. Sunray-McCulloch NCS #1 filled with dirt (POI #13).

23

23. Location of abandoned oil well Oryx Energy Corp. MCOR Oil & Gas Corp. McCulloch NC #1 (POI #14).

24

24. Concrete cellar for Oryx Energy Corp. MCOR Oil & Gas Corp. McCulloch NC #1 (POI #14).

25

25. Tar clumps and asphaltic sand near POI #14.

26

26. Oil staining near POI #14.

27. Exposed 4” diameter pipe (POI #20).

Central Portion

28

28. View looking east.

29

29. View looking east-northeast.

30

30. View looking northeast.

31

31. View looking west.

32

32. View looking southwest.

33

33. View looking northwest.

34

34. View looking northeast.

35

35. View looking northwest.

36

36. Location of abandoned oil well Oryx Energy Corp. Newhall Corp. Wolfson 6-7 (POI #22).

37

37. Oil staining near POI #22.

38

38. Location of possible sump (POI #24).

39

39. Location of abandoned oil well Oryx Energy Corp. Newhall Corp. Wolfson 1-7 (POI #25).

40

40. Location of abandoned oil well Oryx Energy Corp. Newhall Corp. Wolfson 2-7 (POI #26).

41

41. Close-up of abandoned oil well Oryx Energy Corp. Newhall Corp. Wolfson 2-7 (POI #26).

42

42. Oil staining near POI #26.

43

43. Area of asphaltic sand and tar clumps (POI #27).

44

44. Close-up of asphaltic sand and tar clumps (POI #27).

45

45. Areas of asphaltic sand and tar clumps (POI #28).

46

46. Close-up of asphaltic sand and tar clumps (POI #28).

47

47. Close-up of asphaltic sand and tar clumps (POI #28).

48

48. Location of former tank battery (POI #36).

49

49. Location of possible former oil well or oilfield equipment (POI #37).

50

50. Asphaltic sand and tar clump at POI #37.

51

51. Location of abandoned oil well Oryx Energy Corp. Newhall Corp. Wolfson 3-5 (POI #33).

52

52. Location of abandoned oil well Oryx Energy Corp. Newhall Corp. Wolfson 4-5 (POI #32).

53

53. Location of former oil sump (POI #30).

54

54. Former oil sump (POI #30).

55

55. Location of abandoned oil well Oryx Energy Corp. Newhall Corp. Wolfson 5-5 (POI #31).

56

56. Construction water tank (POI #107).

57

57. Spineflower location.

Southern Portion

58

58. View looking north.

59

59. View looking north.

60

60. View looking north.

61

61. View looking southeast.

62

62. View looking northwest.

63

63. Active Oil Well location Medallion Ferguson #10 (POI #71).

64

64. Area of trash dumping (POI #73).

65

65. Area of trash dumping (POI #73).

66

66. Active Oil Well location Medallion Ferguson #3 (POI #62).

67

67. Fenced enclosure with metal framework (POI #64).

68

68. Area of trash dumping (POI #69).

69

69. Location of former tank battery (POI #55).

70

70. Ferguson Tank Battery F-4 (POI #65).

71

71. Close-up of Ferguson Tank Battery F-4 (POI #65).

72

72. Capped Oil Well location Medallion Ferguson #4 (POI #67).

73

73. Flattened pad (POI #68).

74

74. Movie set building (POI #65).

75

75. Interior of movie set building (POI #65).

76

76. Location of former structure (POI #82).

77

77. Location of sump and former tank battery (POI #s 81 and 93).

78

78. Interior of sump (POI #81).

79

79. Area of asphaltic sand and oil staining (POI #81).

80

80. Area of tar clumps and asphaltic sand (POI #81).

81

81. Oil field equipment (POI #84).

82

82. Location of former oil sump (POI #77).

83

83. Abandoned oil well location Medallion Ferguson #2 (POI #76).

84

84. Oil staining near POI #76.

85

85. Small metal structure (POI #78).

86

86. Pole-mounted electrical transformers (ET 2).

87

87. Location of former oil sump (POI #38).

88

88. Tar clumps at POI #38.

89

89. Location of former tank battery (POI #39).

90

90. Oil staining next to piping near POI #39.

91

91. Active oil well Medallion Ferguson #5 (POI #40).

92

92. Close-up of oil staining around well head of Medallion Ferguson #5 (POI #40).

93

93. Idle Oil Well Medallion Ferguson #6 (POI #41).

94

94. Location of former sump (POI #45).

95

95. Location of former tank (POI #46).

96

96. Location of abandoned oil well Medallion Ferguson #7-2 (POI #48).

97

97. Location of former tank battery (POI #49).

98

98. Location of former tank battery (POI #49).

99

99. Pole-mounted electrical transformers (ET 1).

100

100. Burnt truck trailer (POI #50).

101

101. Idle oil well Medallion Ferguson #8 (POI #51).

102

102. Location of former sump (POI #57).

103

103. Location of abandoned oil well Medallion Ferguson #9-2 (POI #59).

104

104. Storage area for roll-off bins (POI #60).

105

105. Approximate location of abandoned oil well NM Fraser Gerard No. 1 (POI #56).

106

106. Large municipal water tank (POI #108).

107

107. Roll-off bins (POI #123).

108

108. Paint staining at base of one of the roll-off bins (POI #123).

109

109. Approximate location of abandoned oil well Shell E&P Ferguson #2-7 (POI #86).

APPENDICES

APPENDIX A:

Historical Aerial Photographs

The EDR Aerial Photo Decade Package

Legacy Village
Pico Canyon Road/Potrero Canyon Road
Valencia, CA 91355

Inquiry Number: 1844659.5

January 31, 2007

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Please contact EDR at 1-800-352-0050
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Date EDR Searched Historical Sources:

Aerial Photography January 31, 2007

Target Property:

Pico Canyon Road/Potrero Canyon Road
Valencia, CA 91355

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1928	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1928	Fairchild
1928	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1928	Fairchild
1928	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1928	Fairchild
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1947	Aerial Photograph. Scale: 1"=1000'	Flight Year: 1947	Tubis
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Year	*Scale*	*Details*	*Source*
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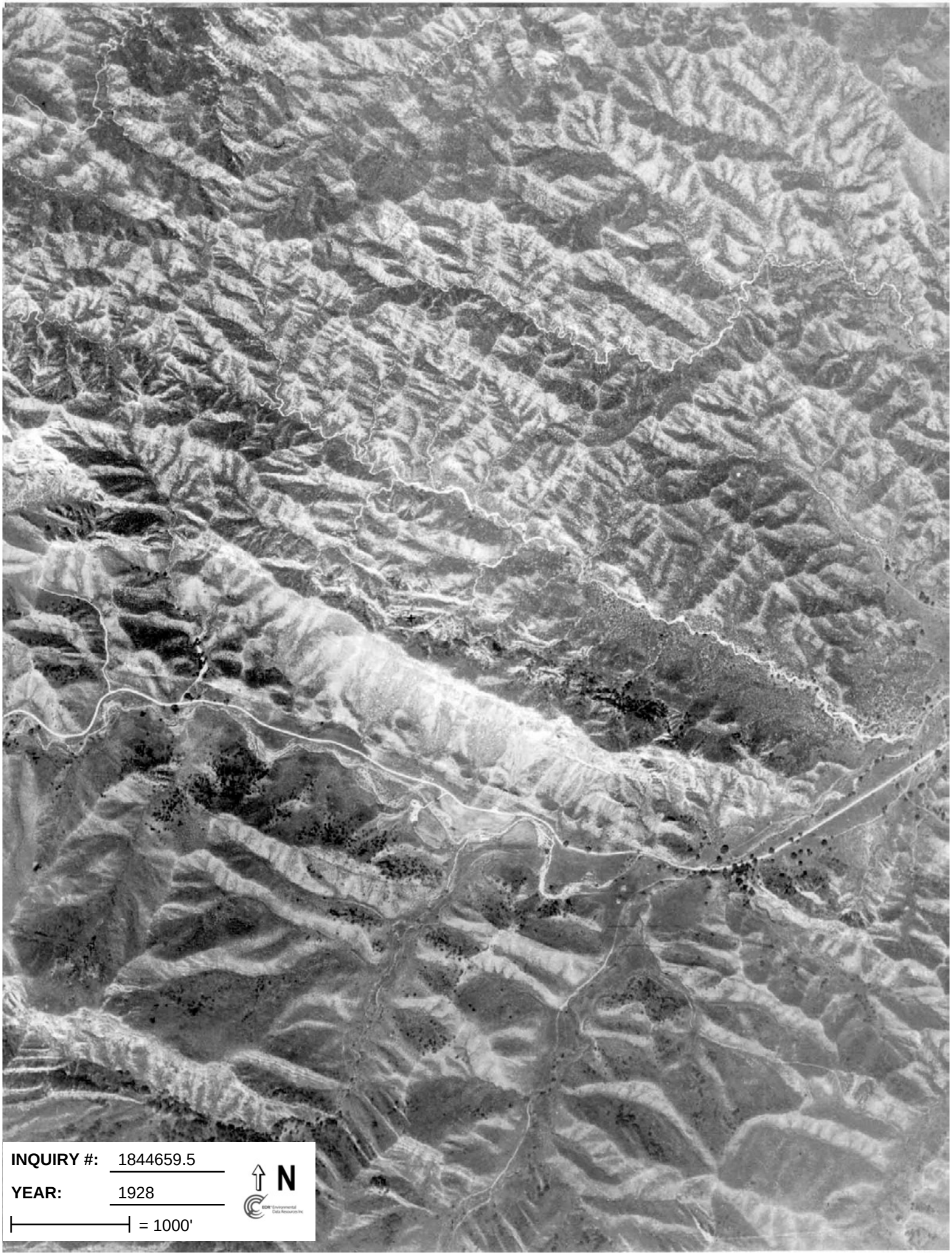
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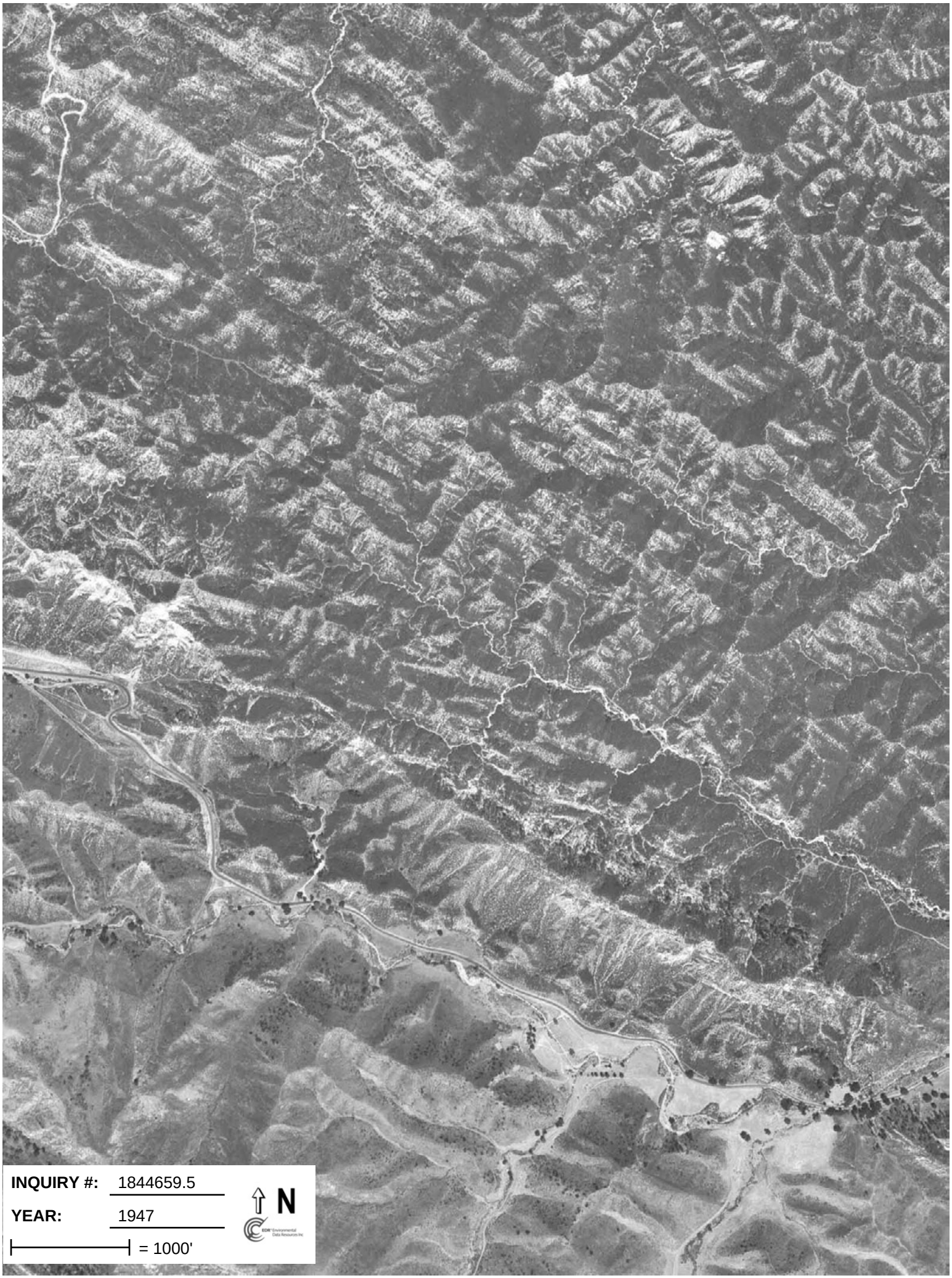
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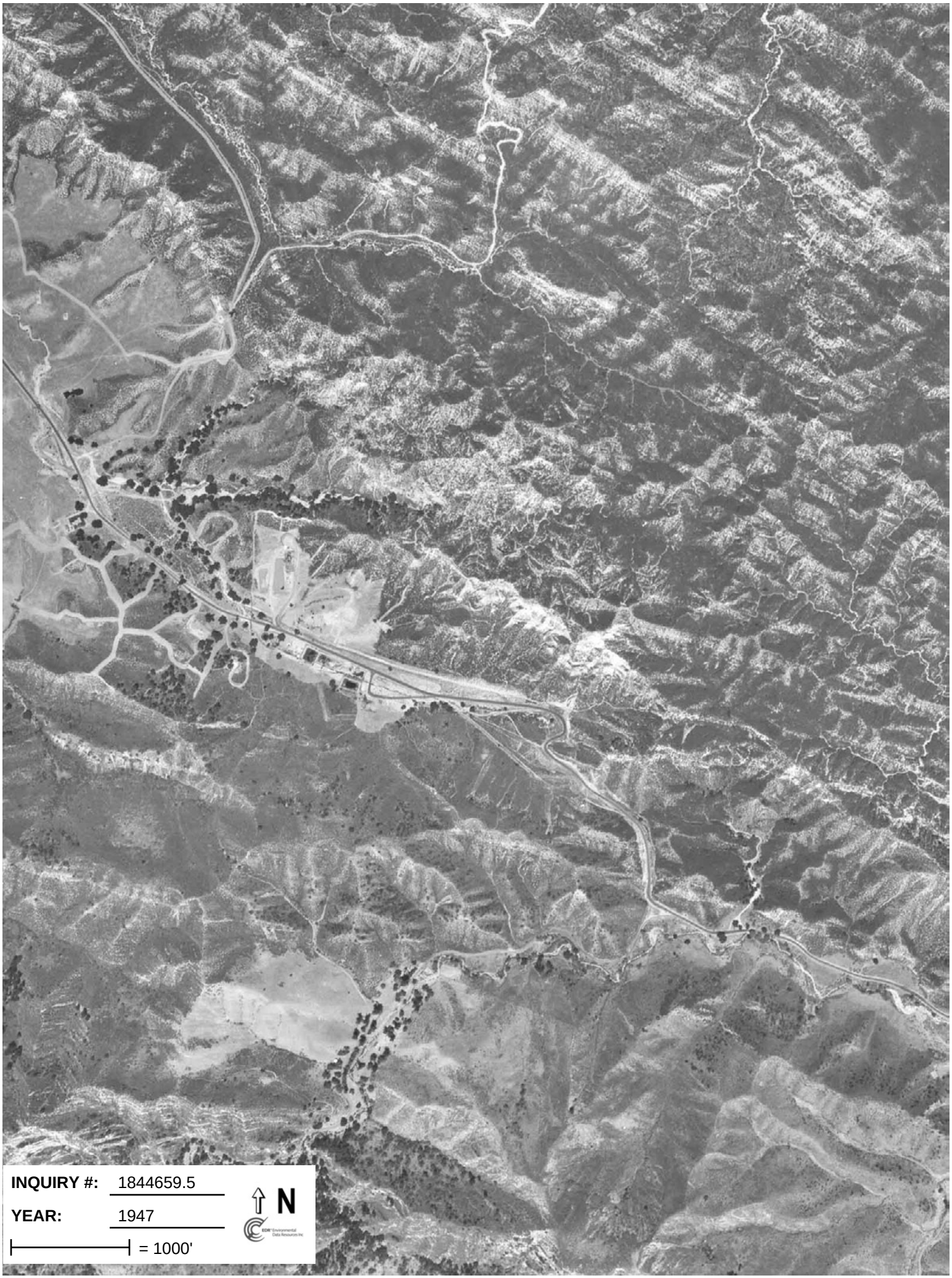
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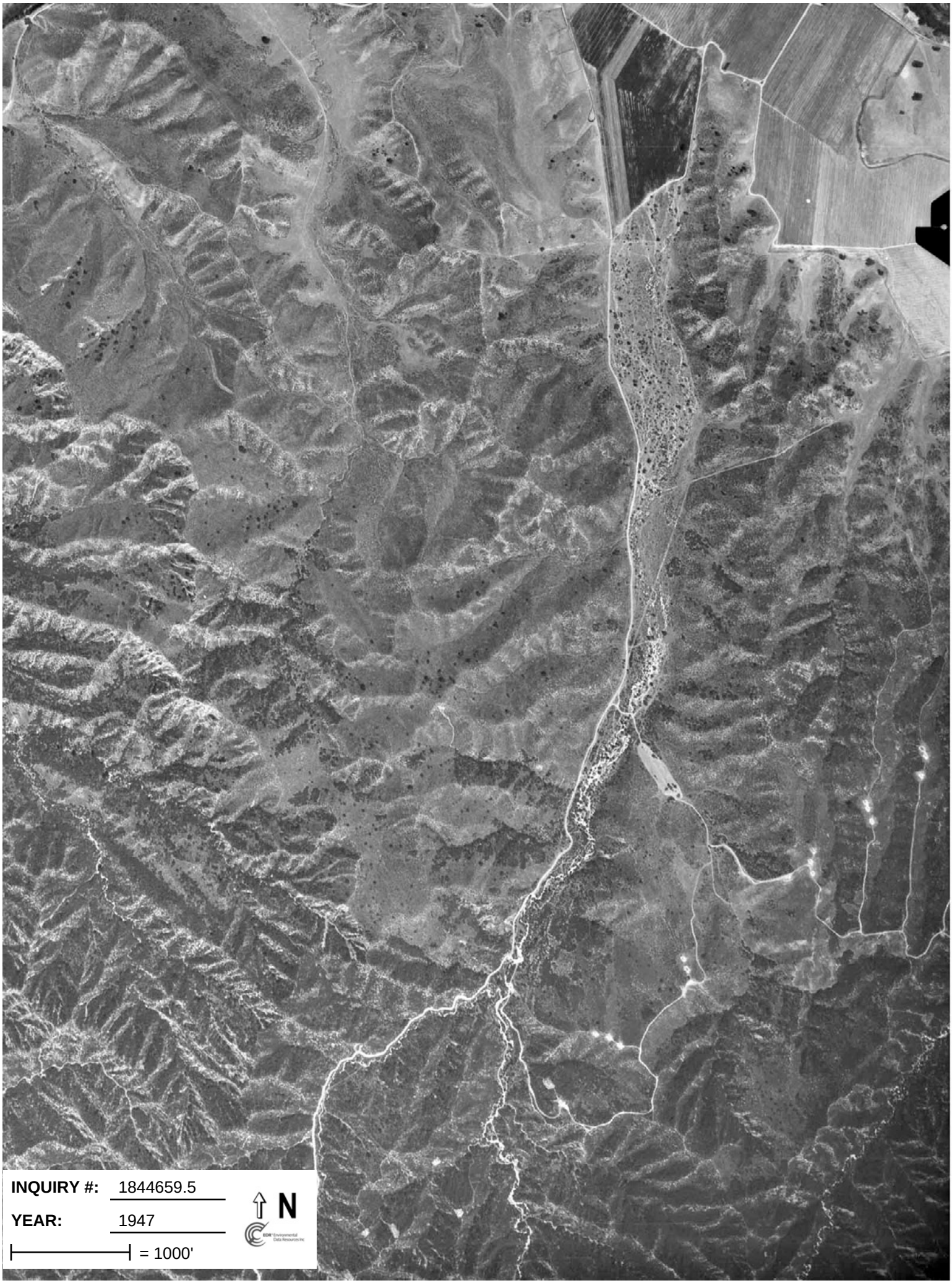
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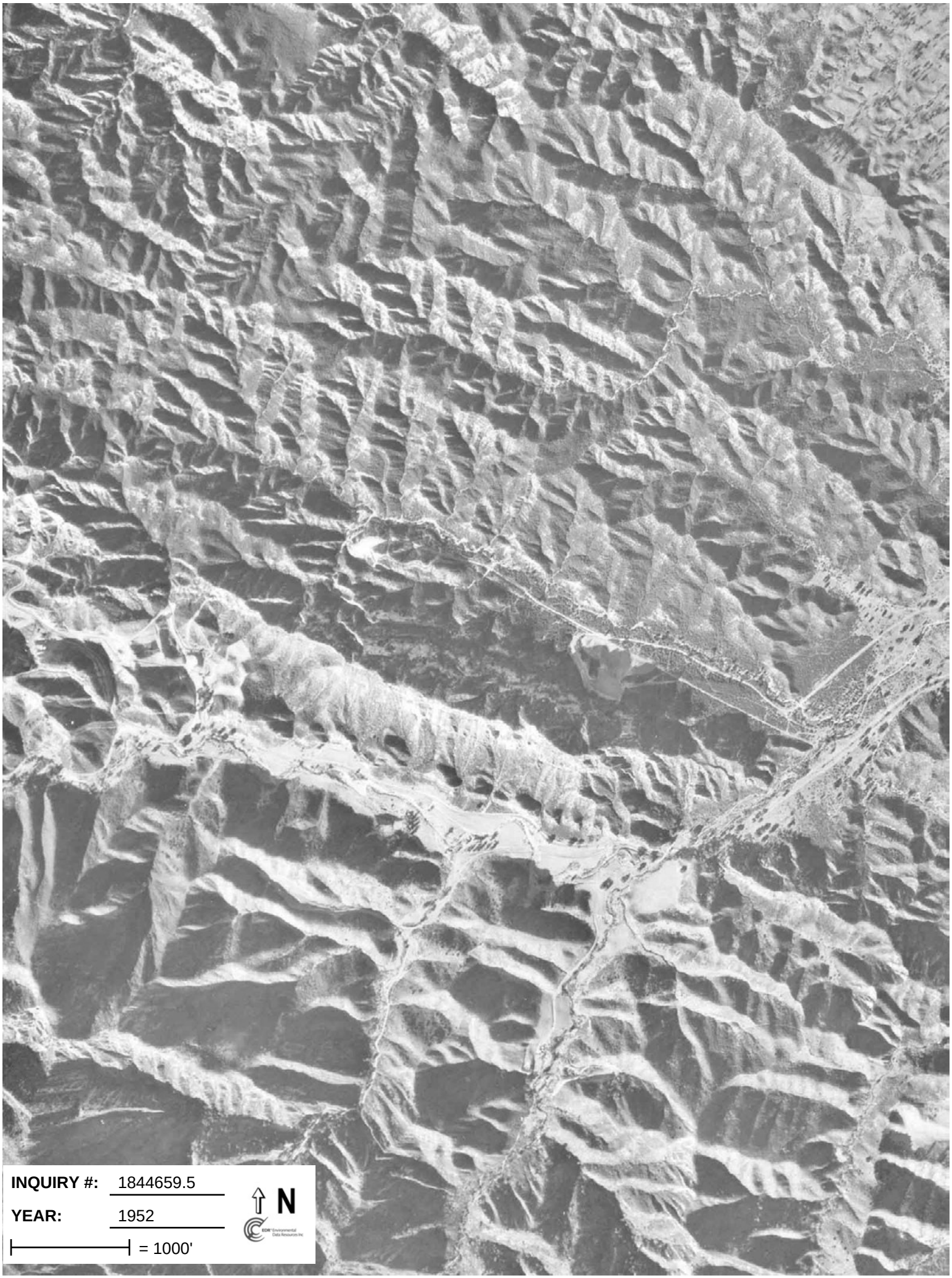
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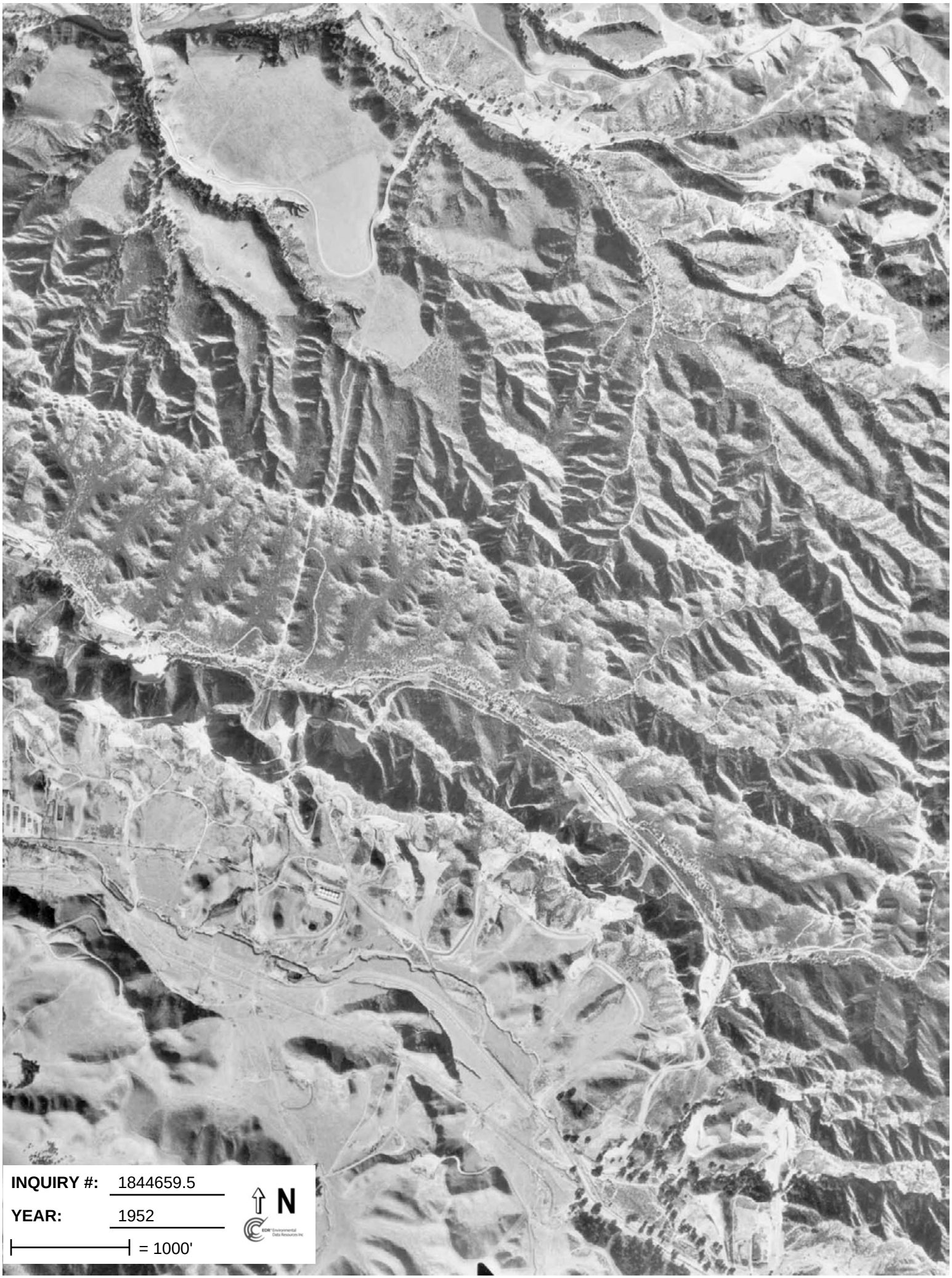
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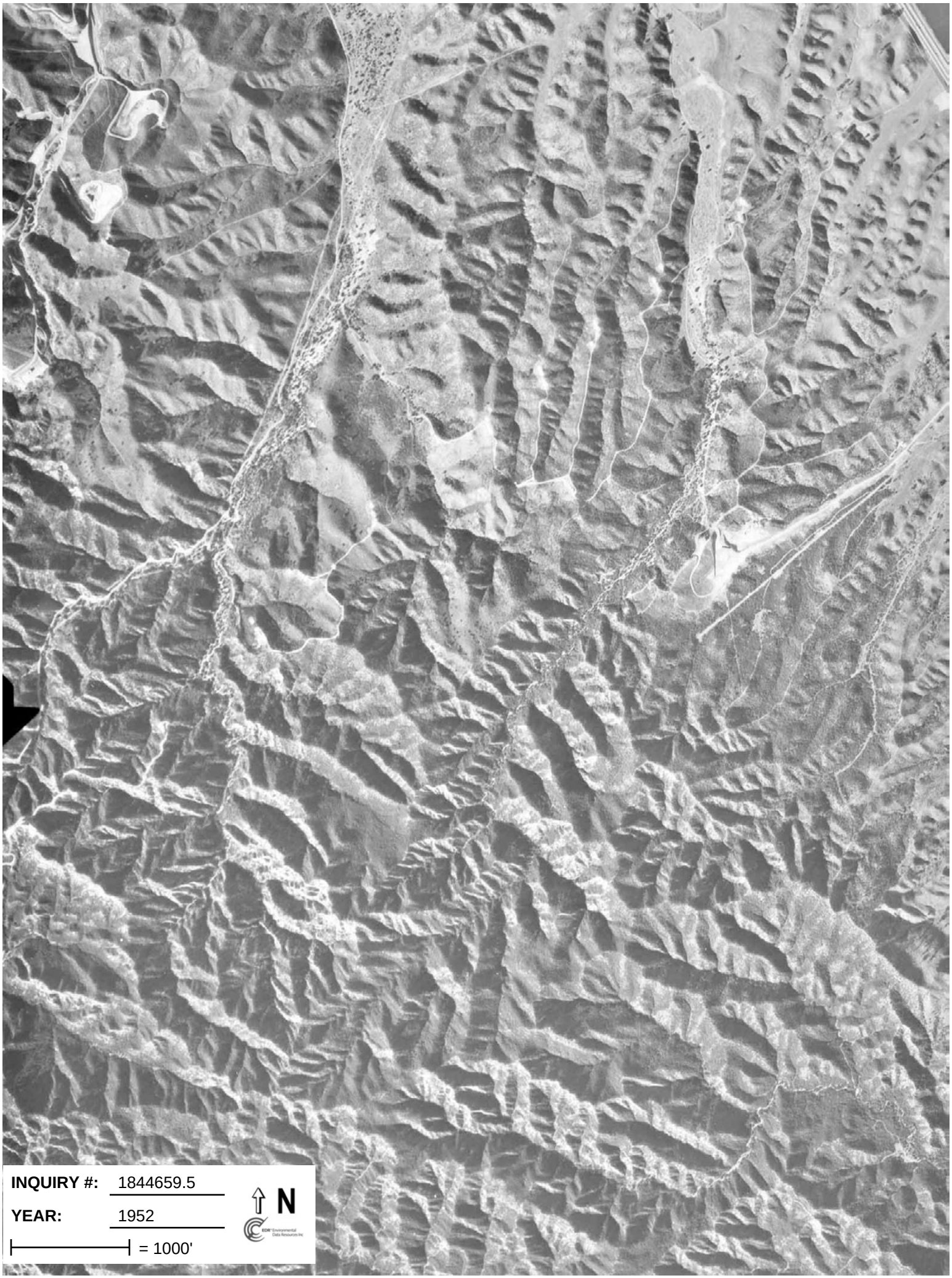
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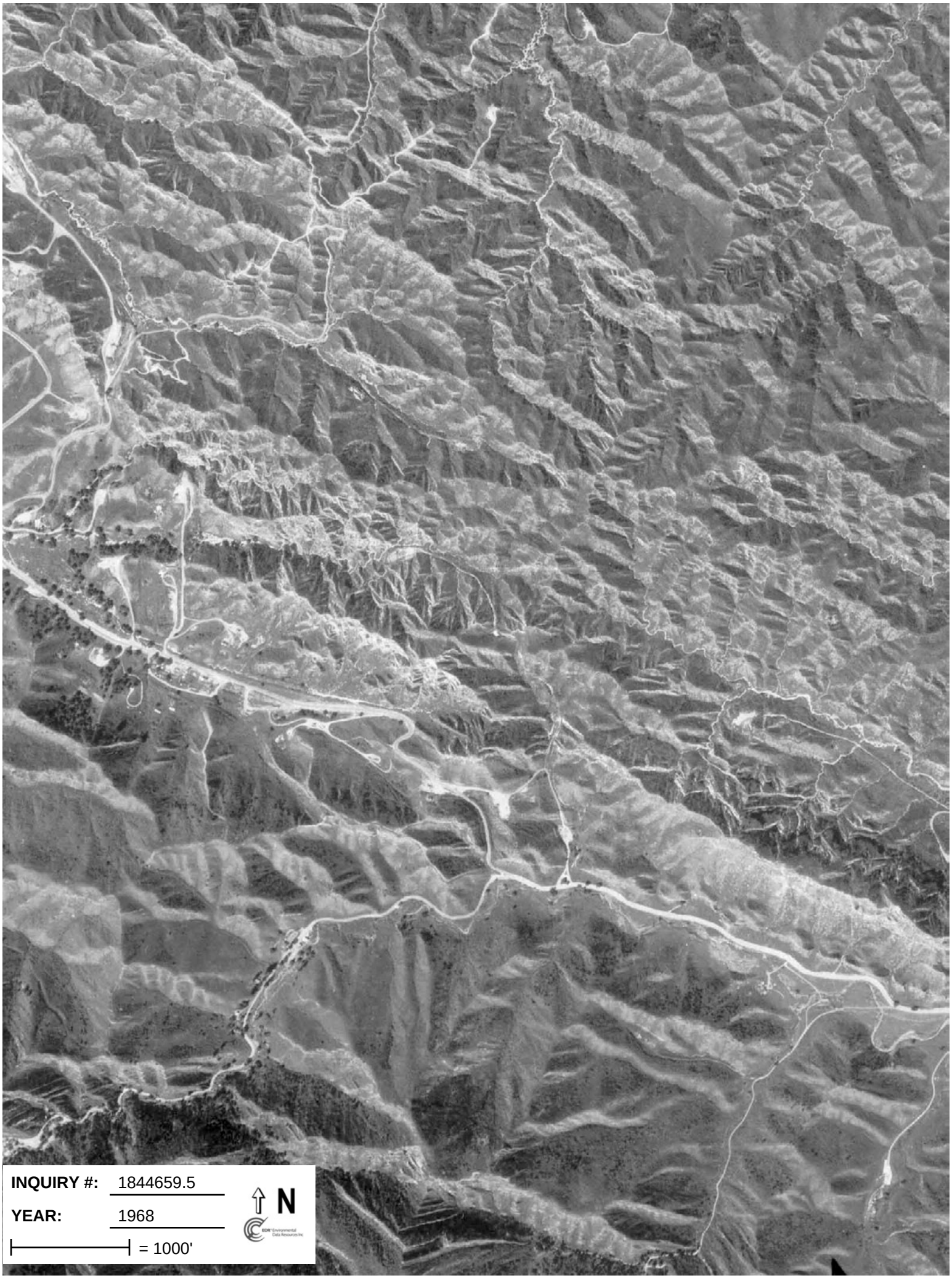
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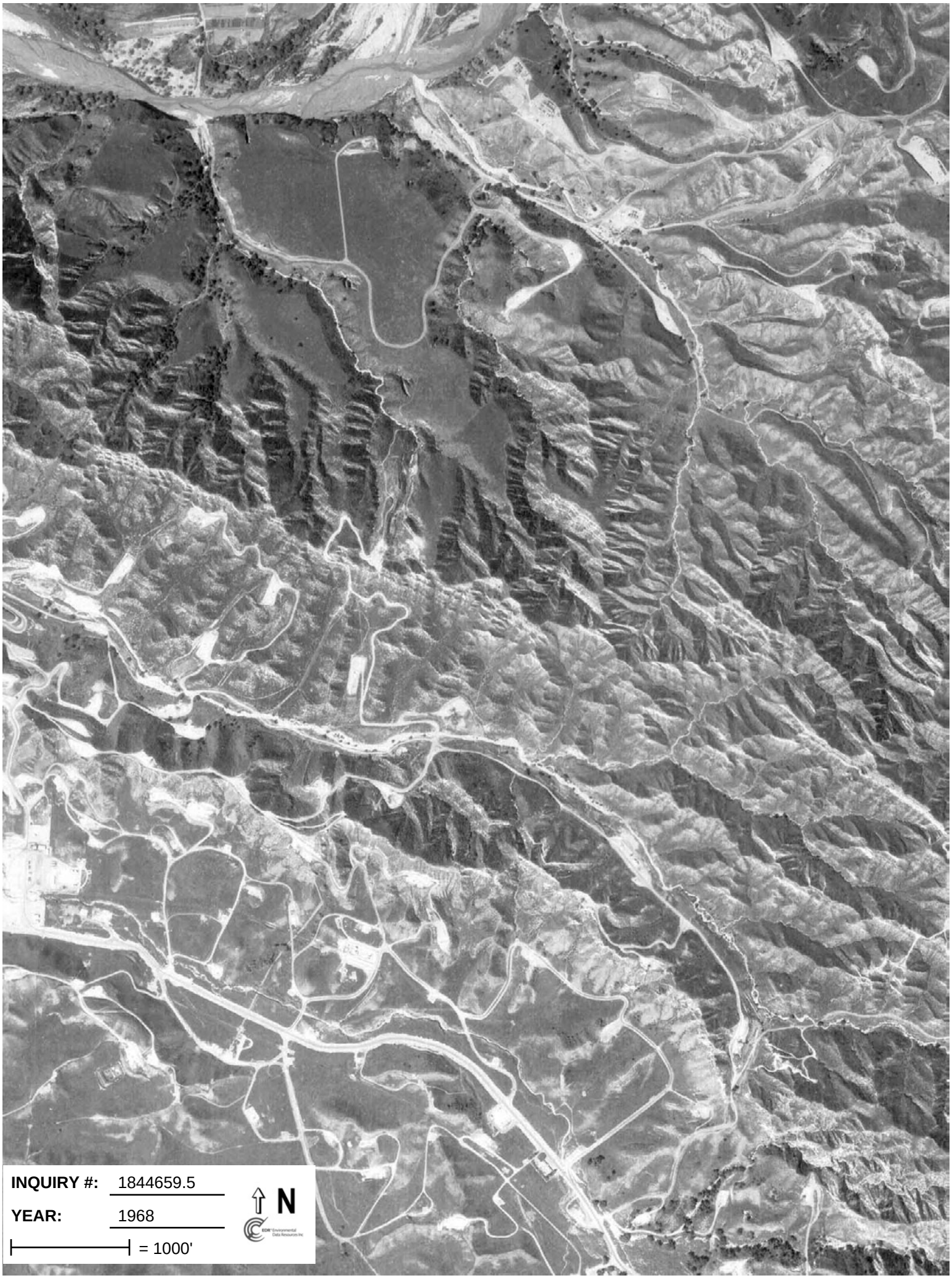
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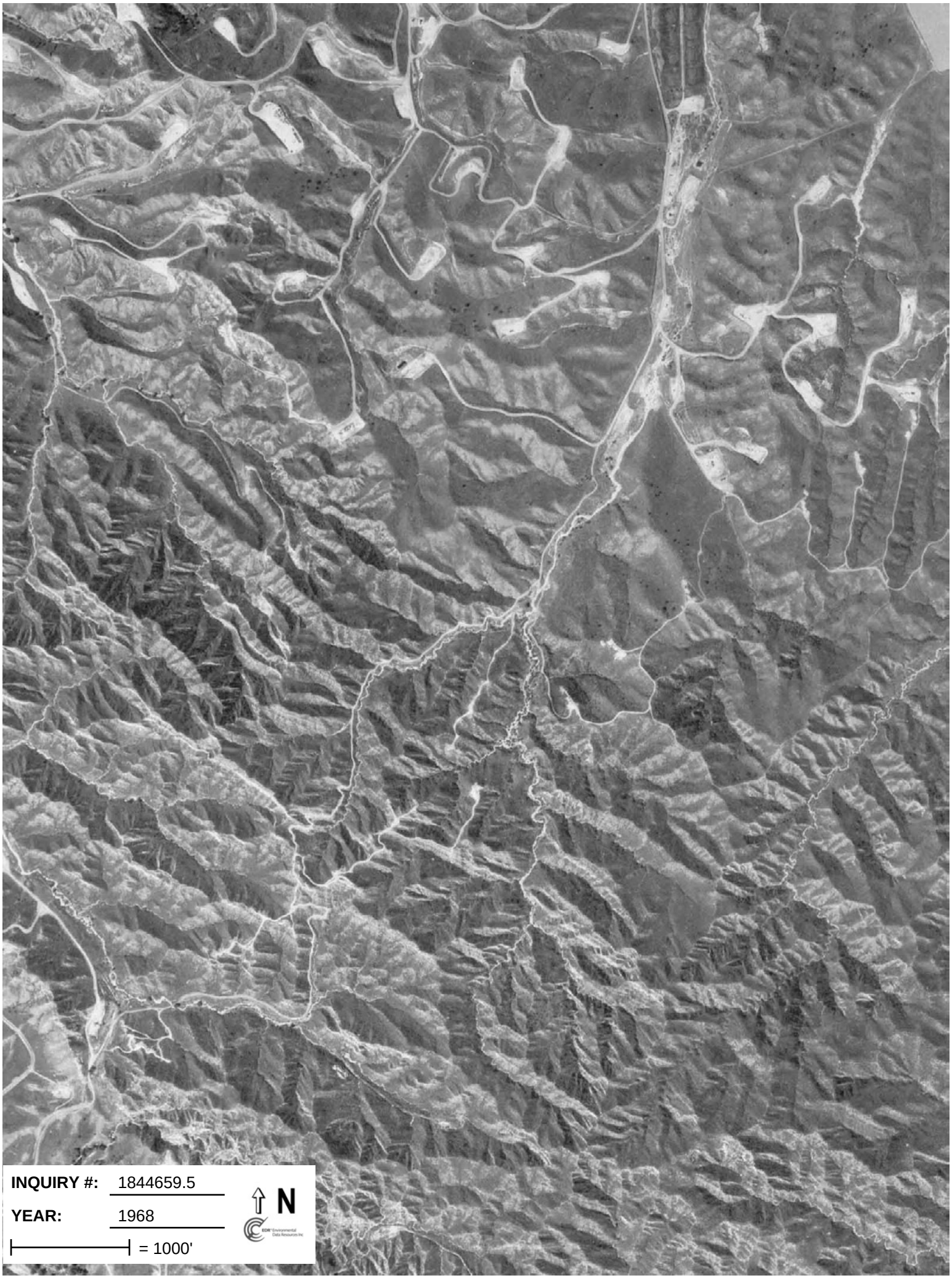
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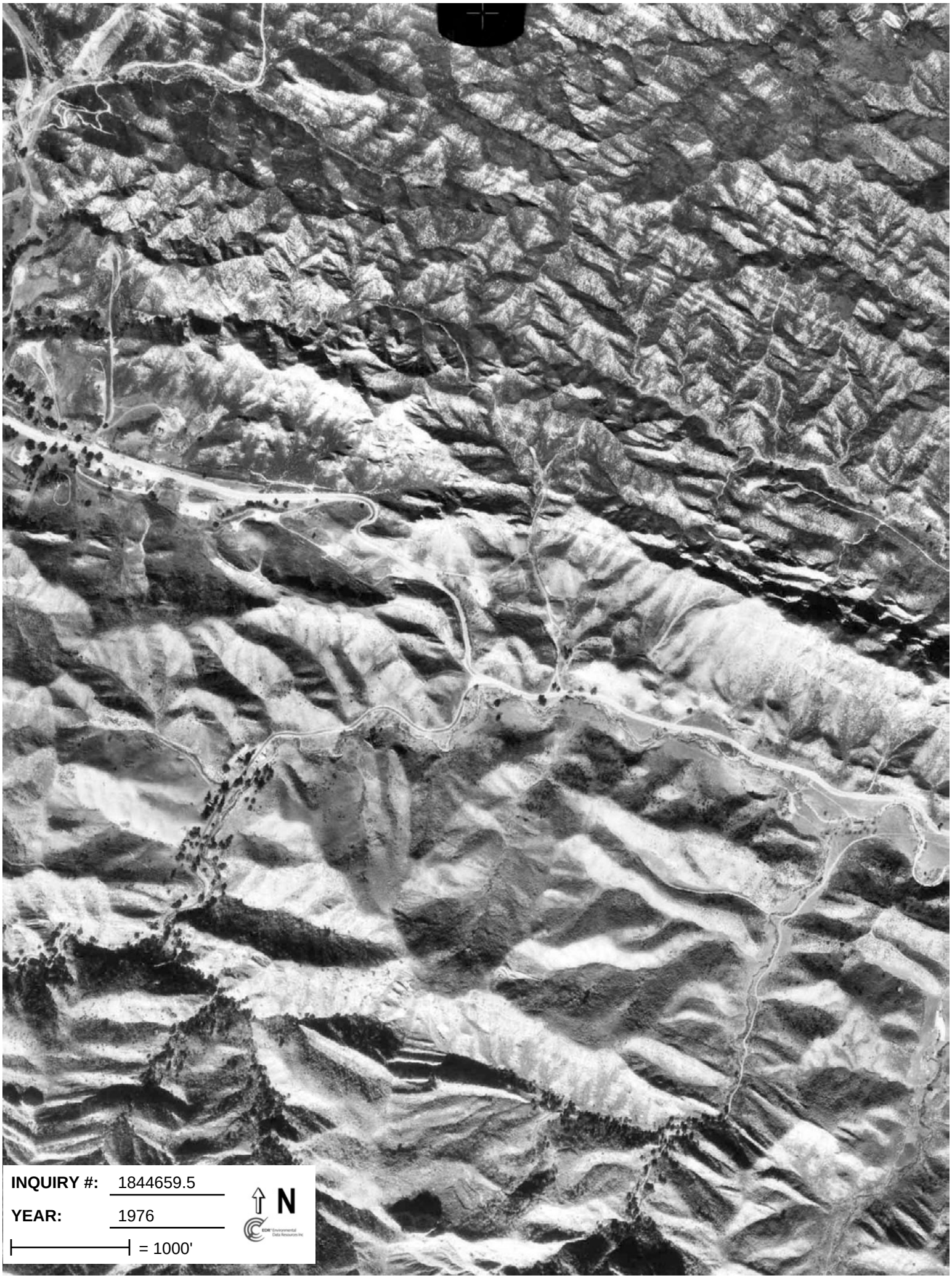
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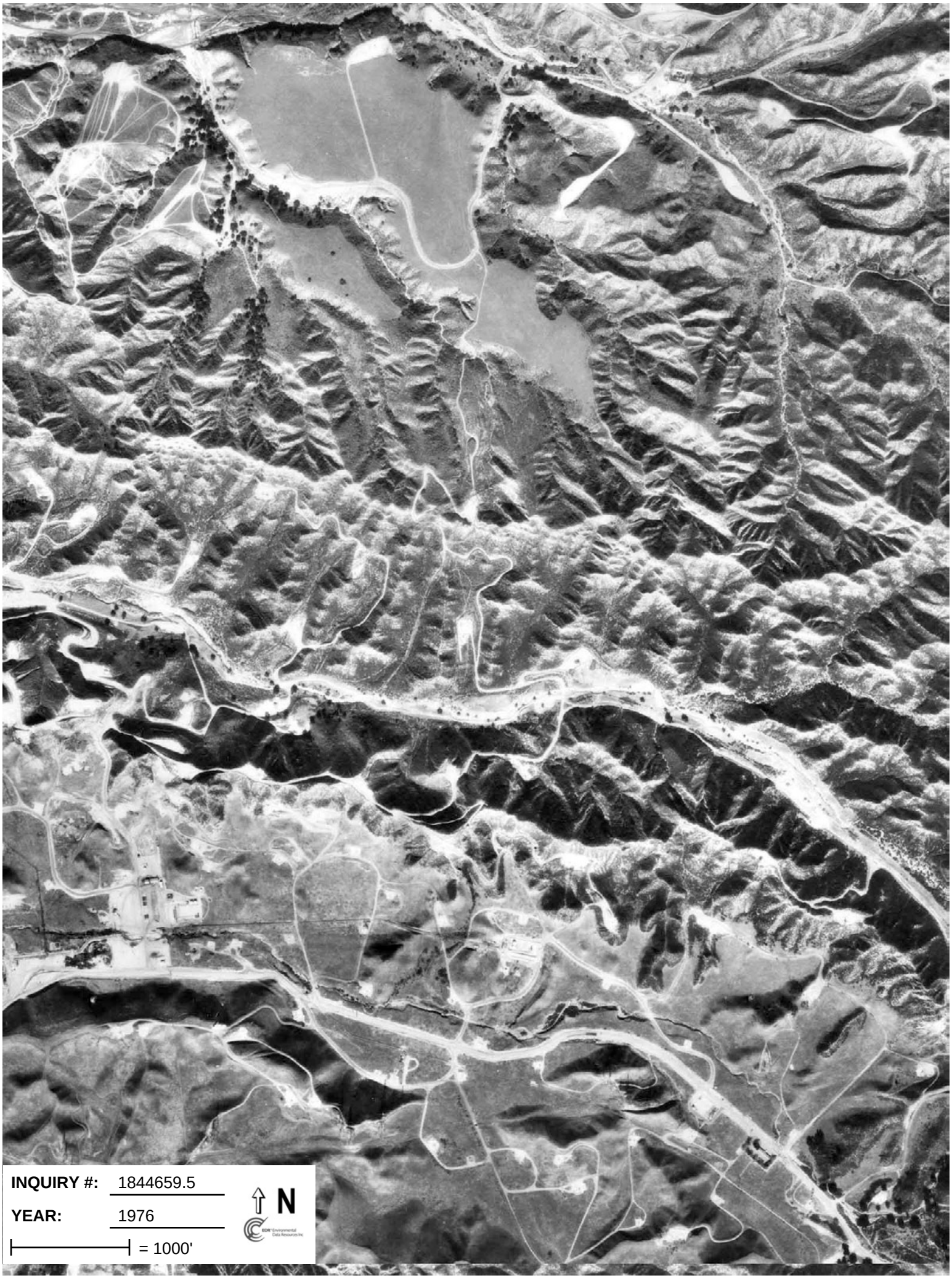
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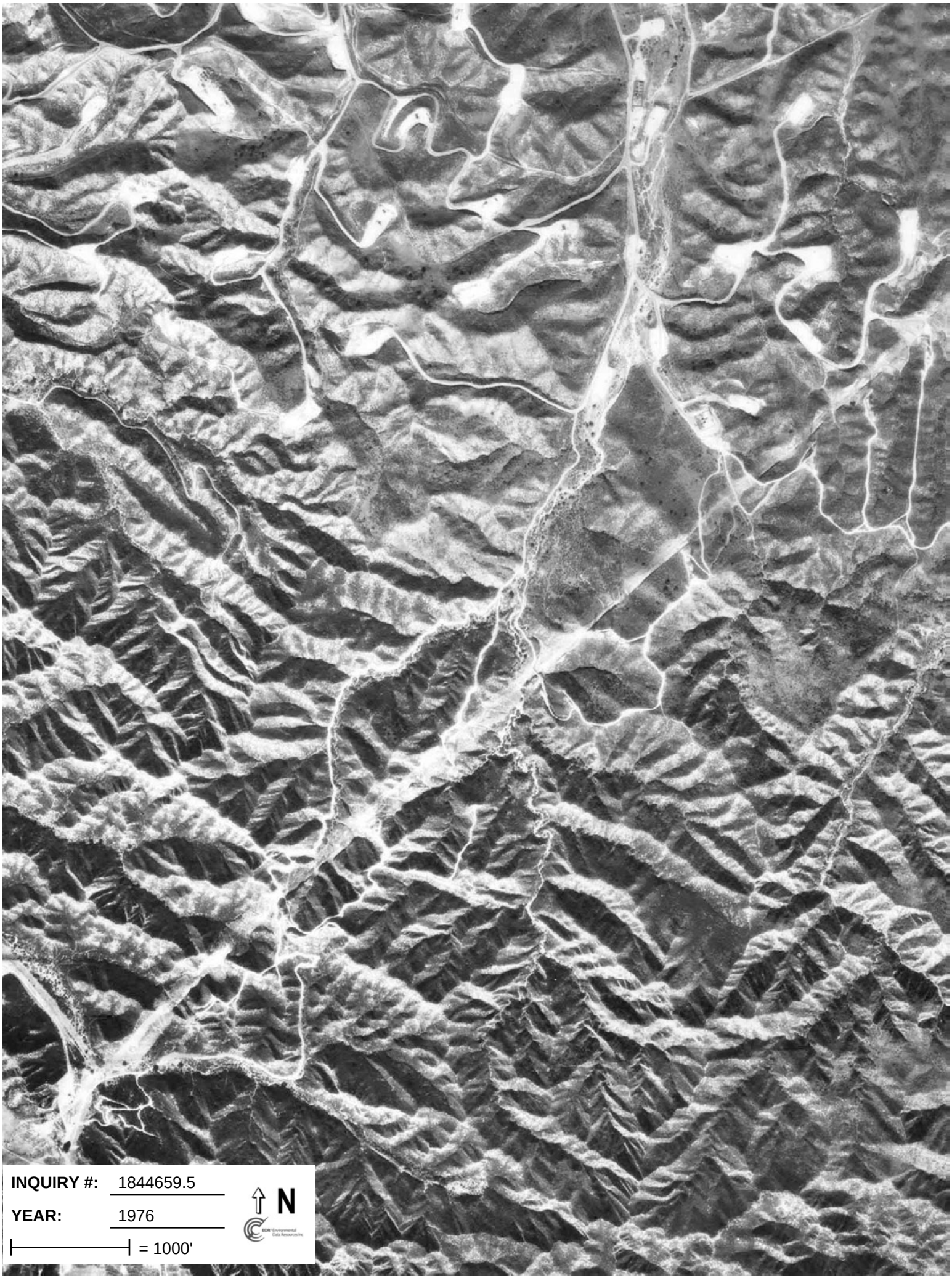
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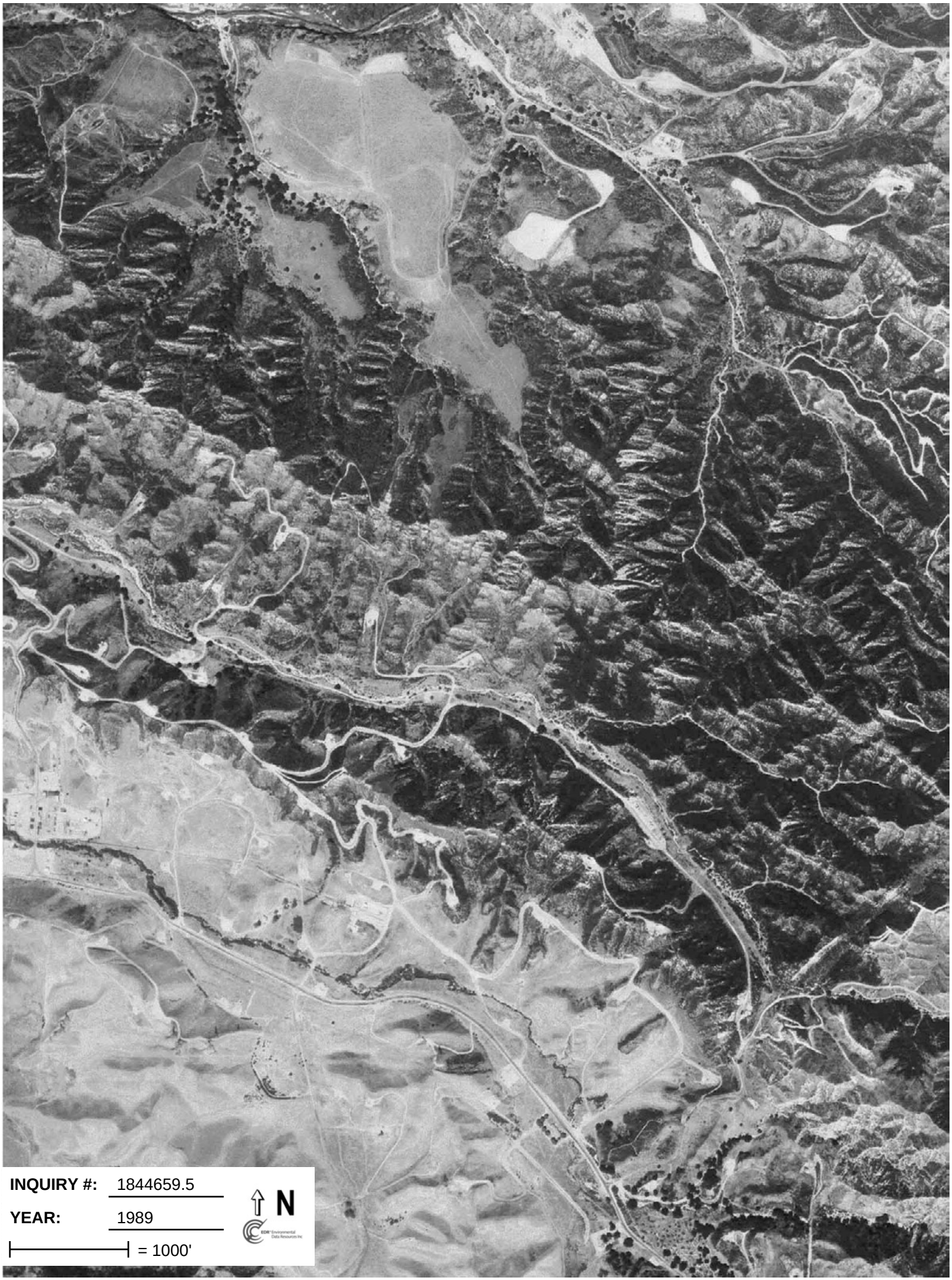
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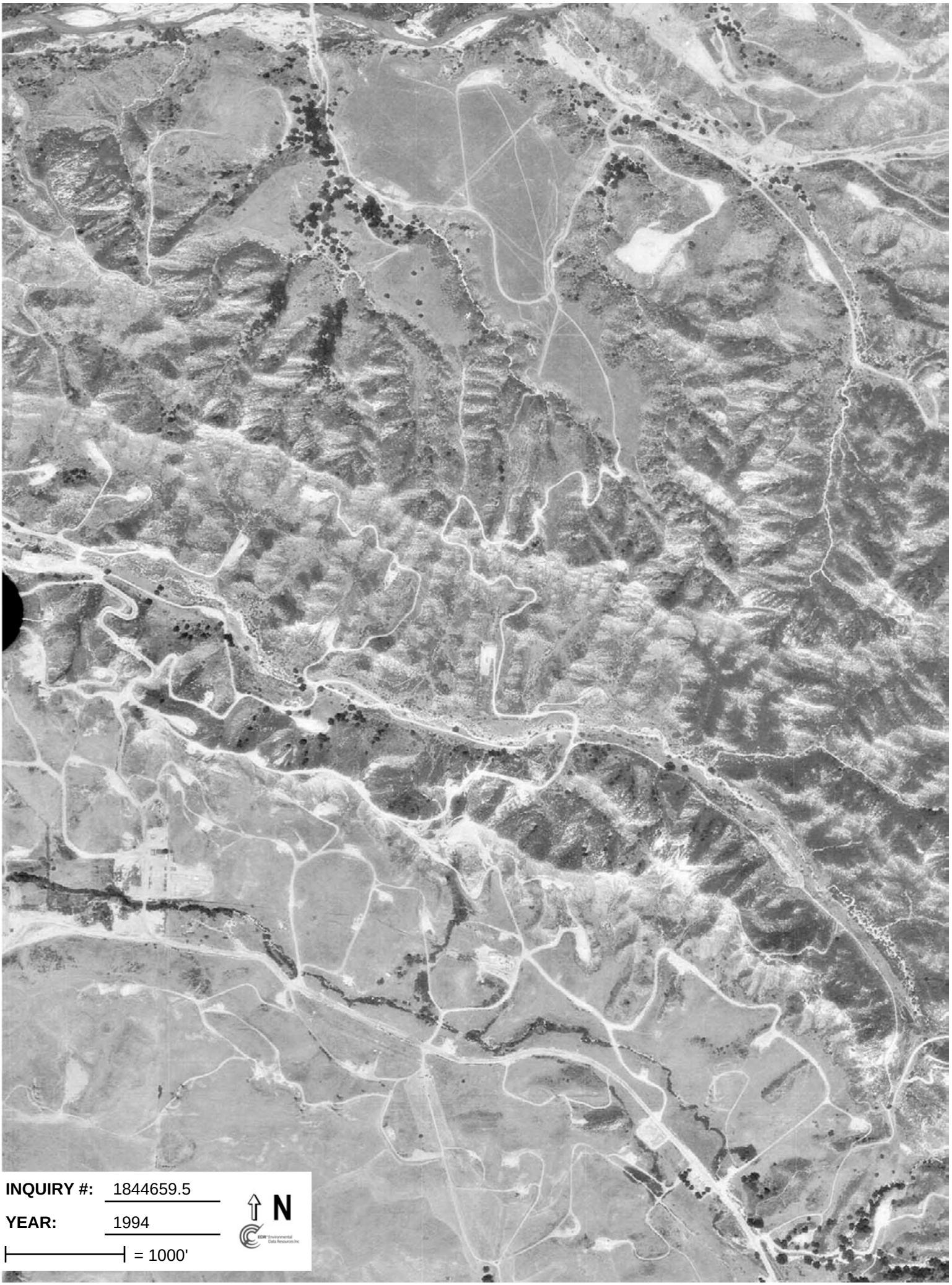
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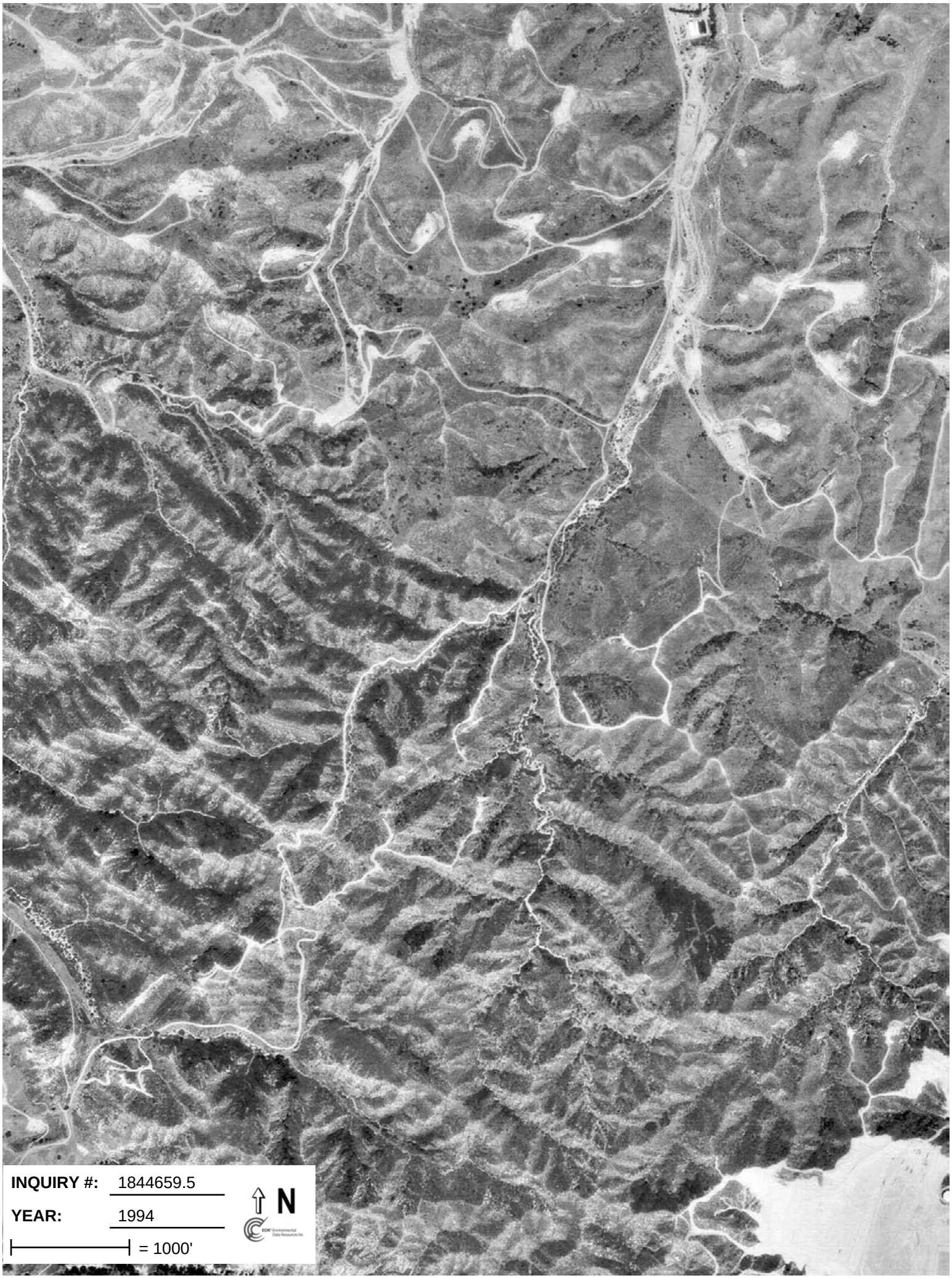
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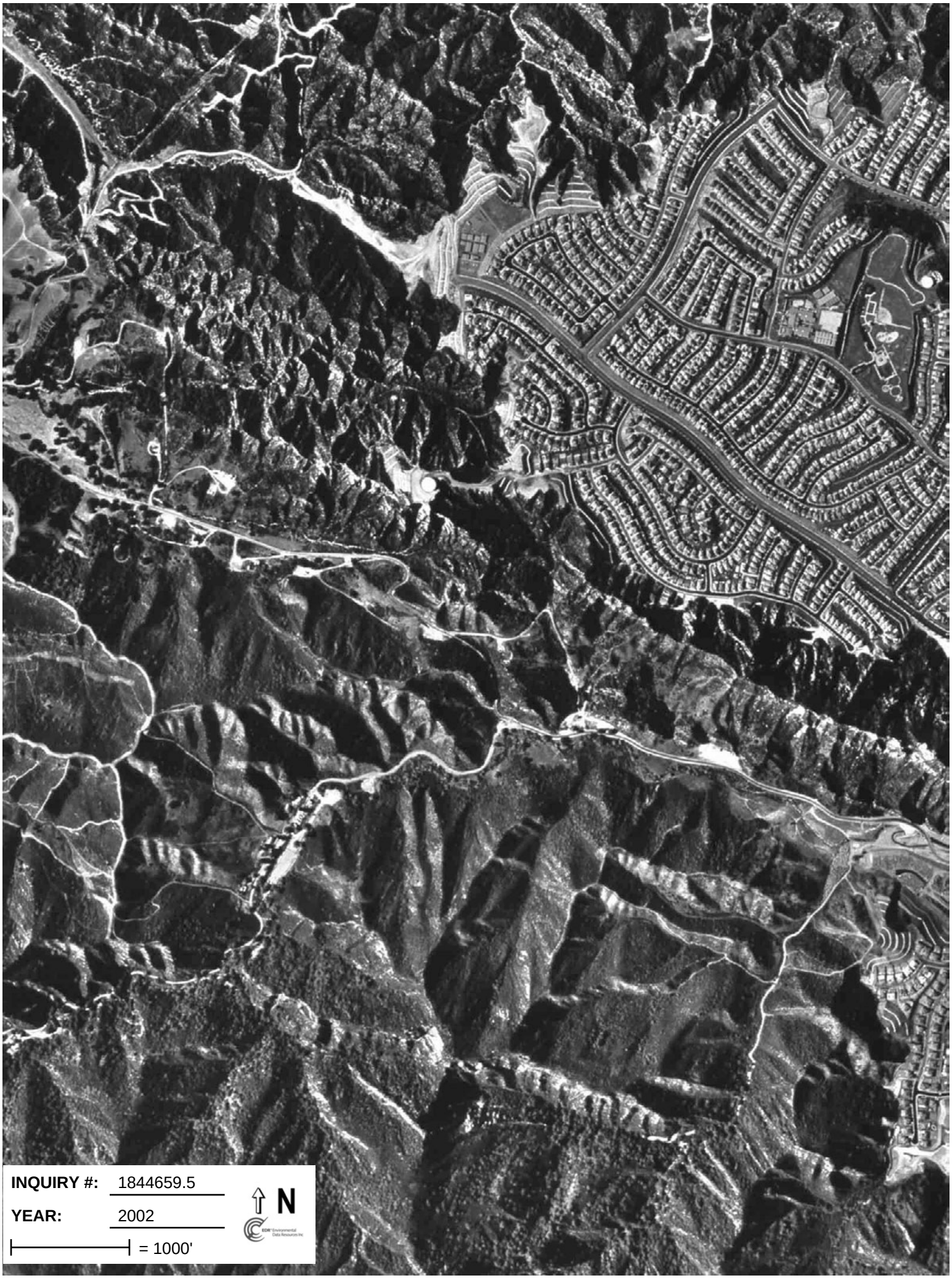
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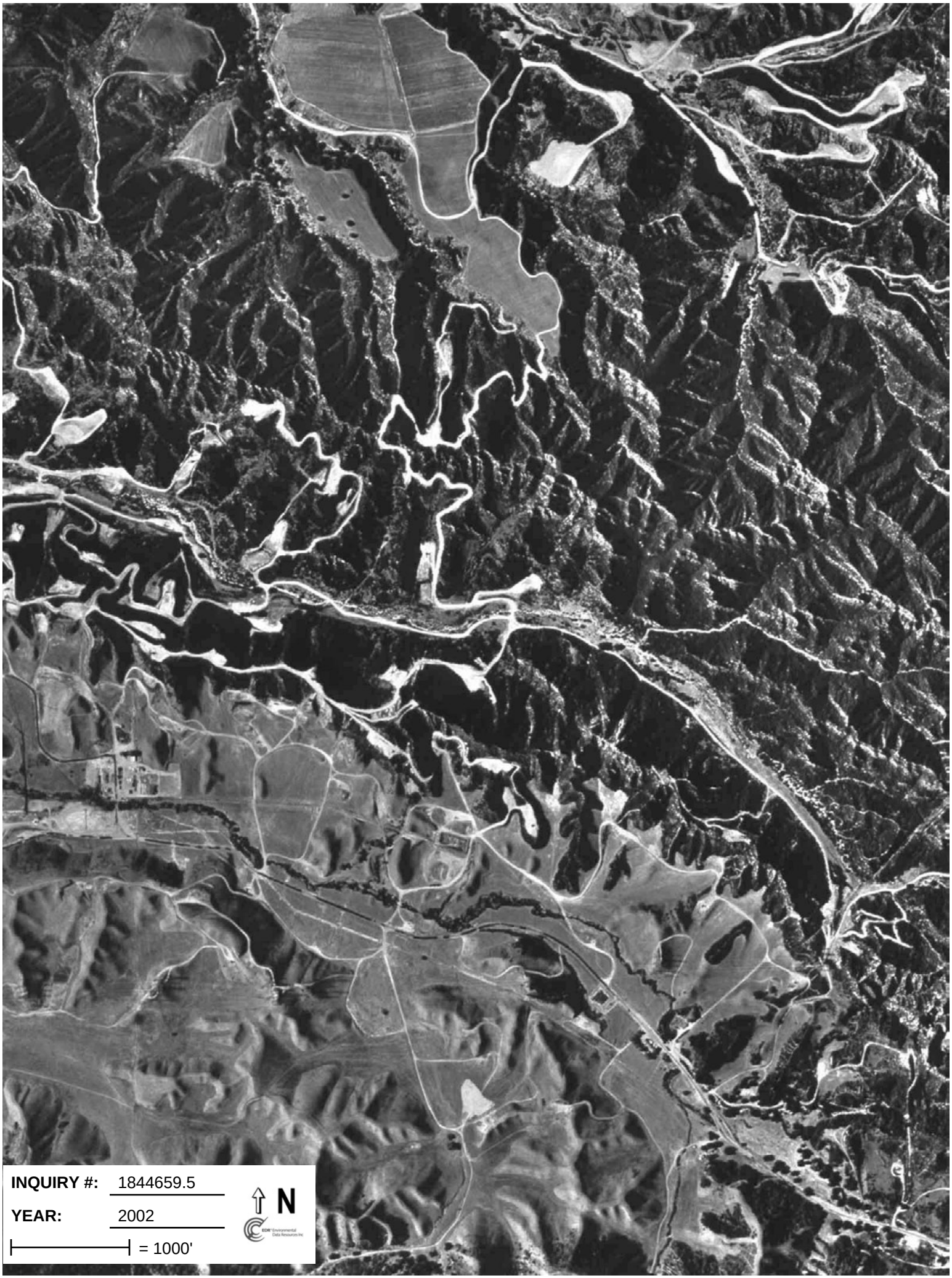
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APPENDIX B:

Historical Topographic Maps

EDR Historical Topographic Map Report

Legacy Village
Pico Canyon Road/Potrero Canyon Road

Valencia, CA 91355

Inquiry Number: 1844659.4

January 30, 2007

EDR® Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Rd
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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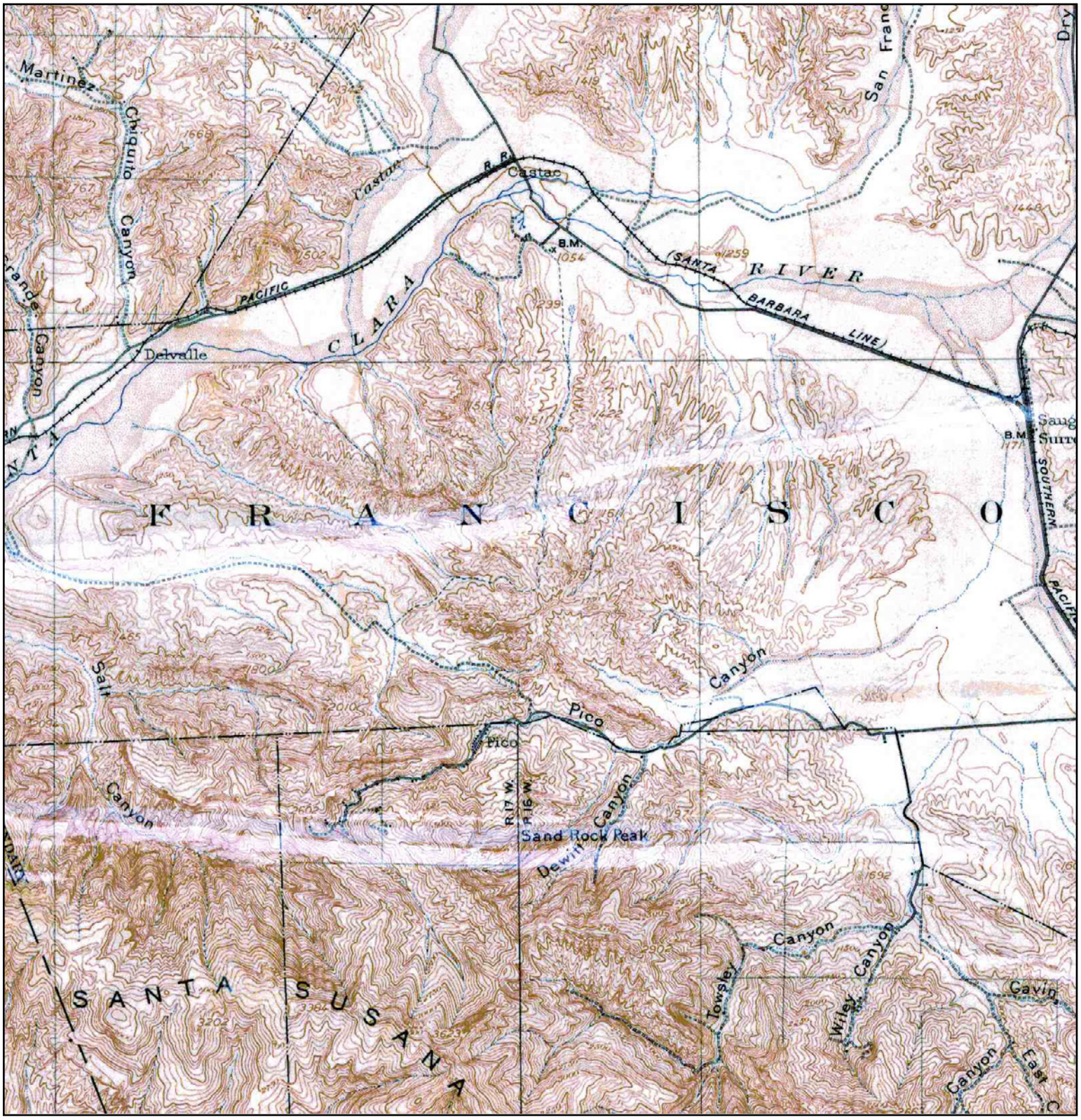
Historical Topographic Map

N	TARGET QUAD NAME: CAMULOS MAP YEAR: 1903 SERIES: 30 SCALE: 1:125000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

Historical Topographic Map



N	TARGET QUAD NAME: SANTA SUSANA MAP YEAR: 1916 SERIES: 15 SCALE: 1:62500	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

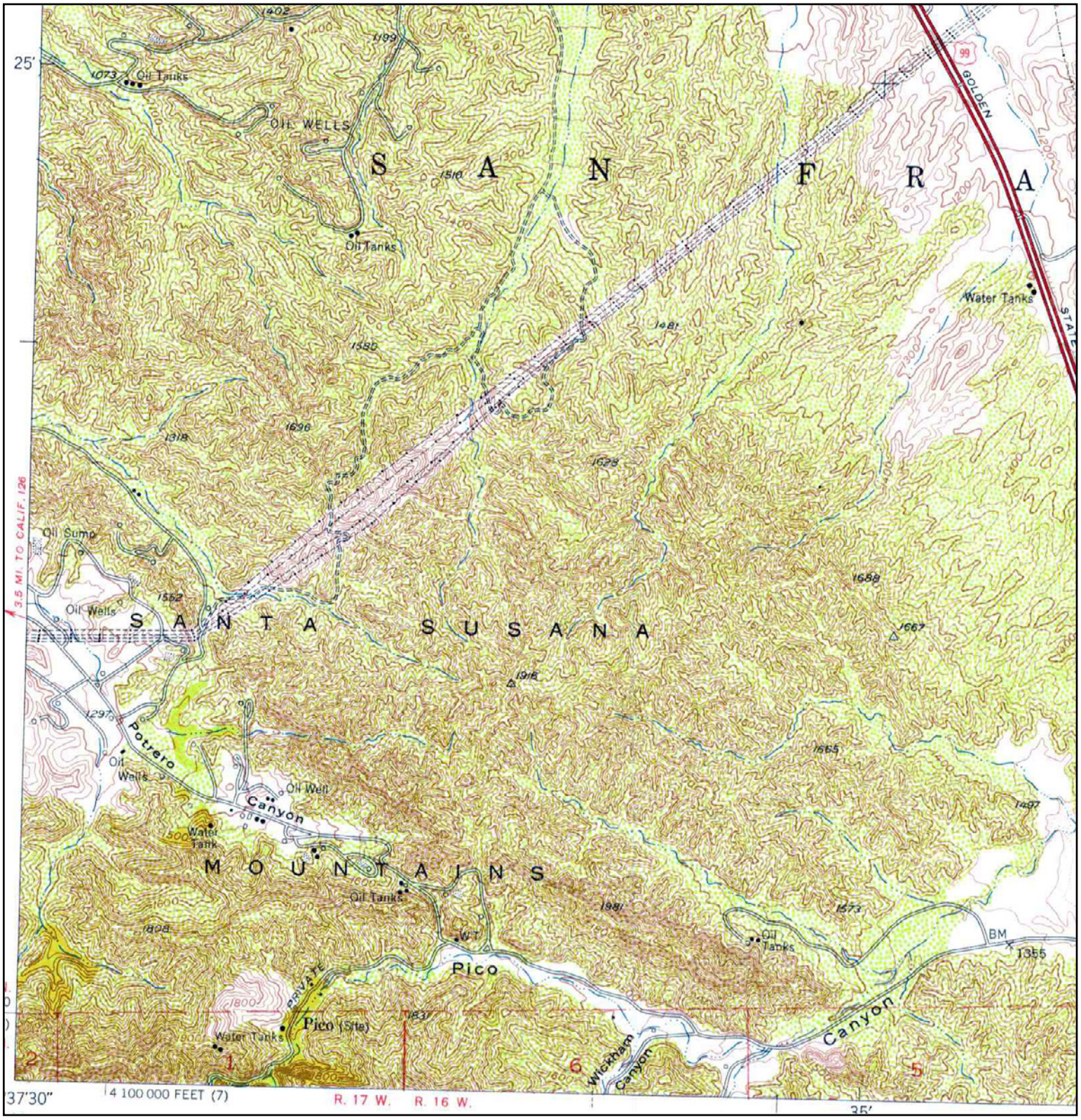
Historical Topographic Map

N	TARGET QUAD NAME: PICO MAP YEAR: 1940 SERIES: 6 SCALE: 1:24000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

Historical Topographic Map

N	TARGET QUAD NAME: SANTA SUSANA MAP YEAR: 1947 SERIES: 15 SCALE: 1:50000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

Historical Topographic Map

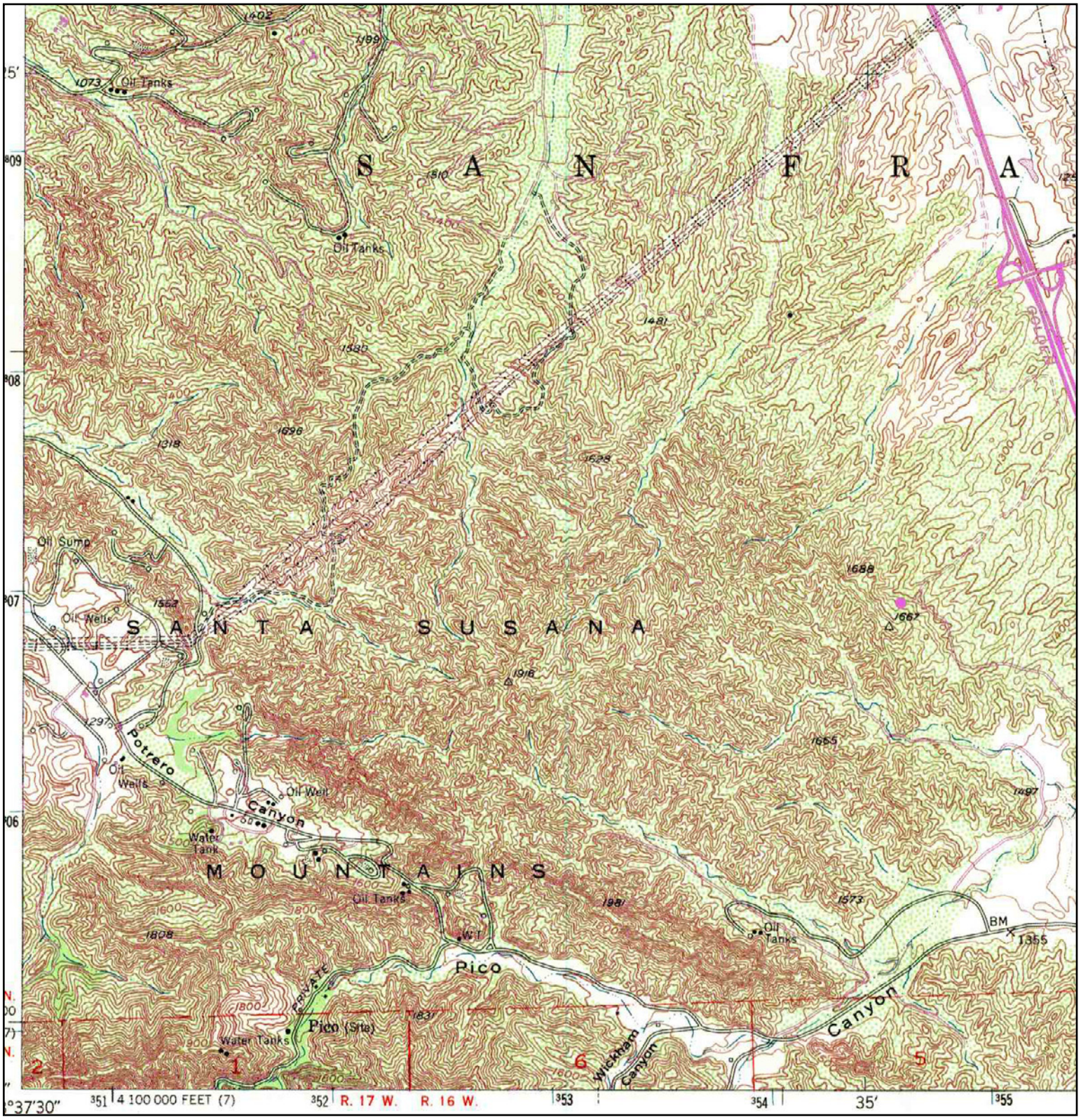


N	TARGET QUAD NAME: NEWHALL MAP YEAR: 1952 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

Historical Topographic Map

N	TARGET QUAD NAME: VAL VERDE MAP YEAR: 1952 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

Historical Topographic Map

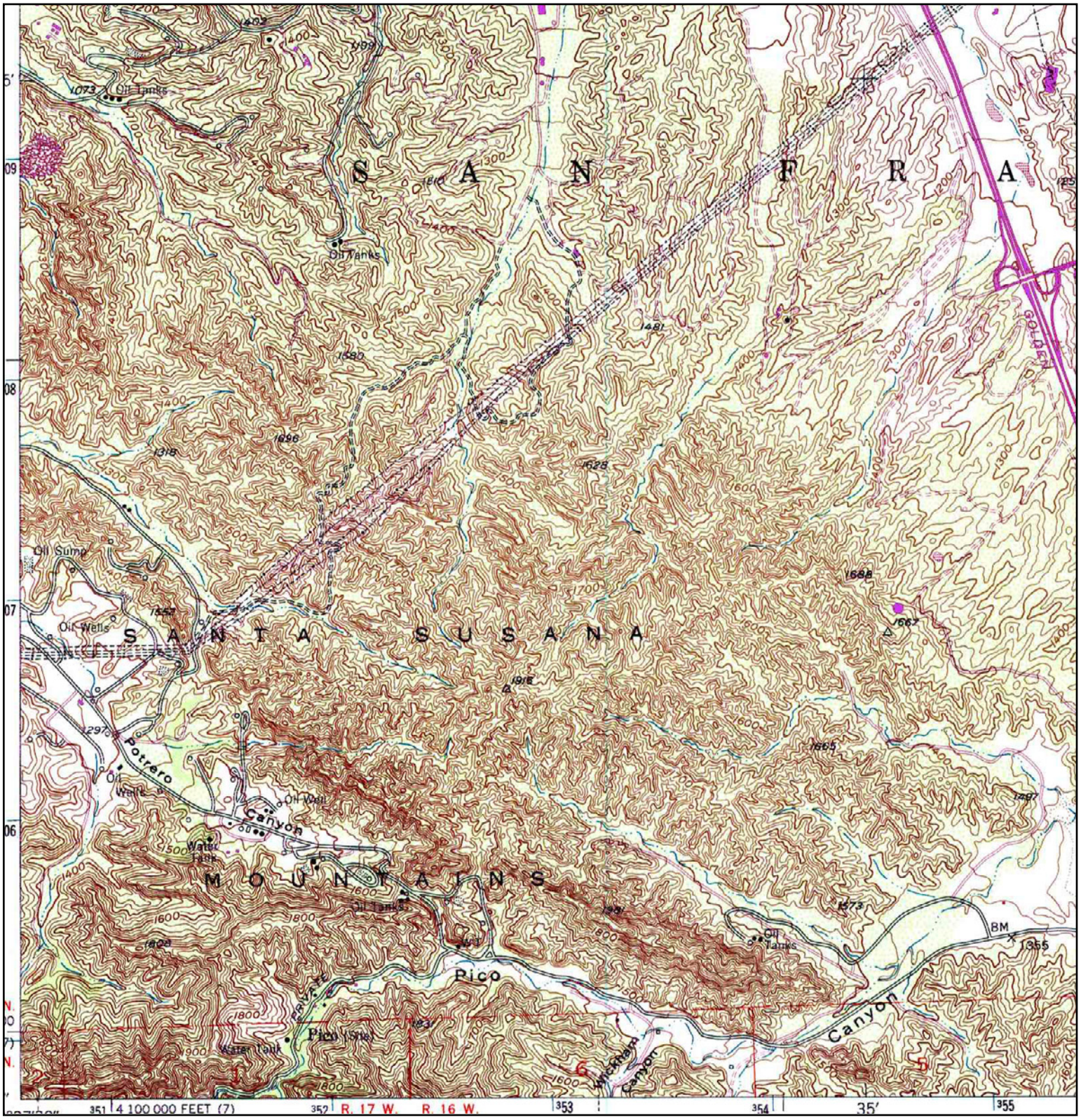


N	TARGET QUAD NAME: NEWHALL MAP YEAR: 1969 PHOTOREVISED FROM:1952 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

Historical Topographic Map

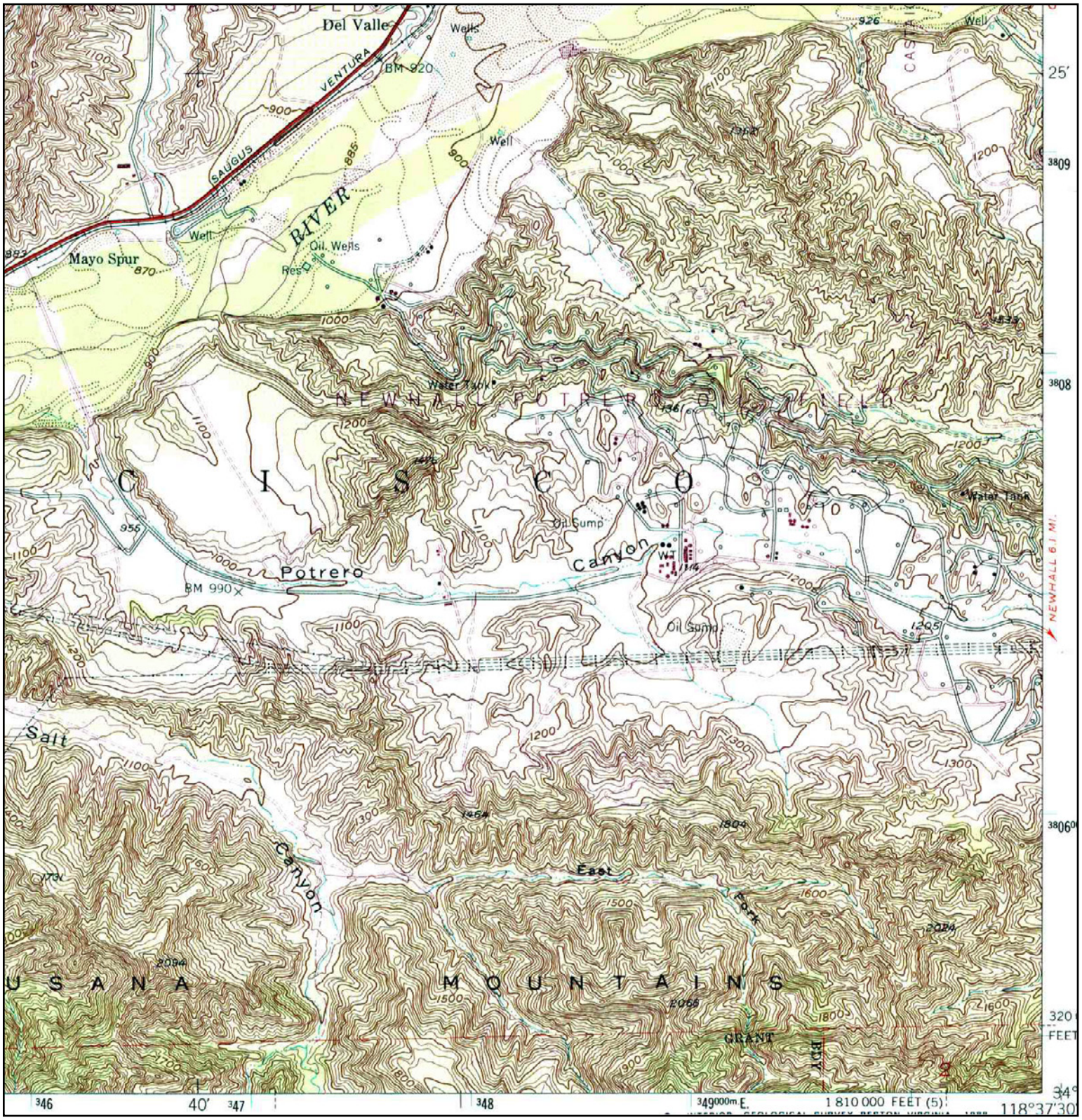
N	TARGET QUAD NAME: VAL VERDE MAP YEAR: 1969 PHOTOREVISED FROM:1952 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

Historical Topographic Map



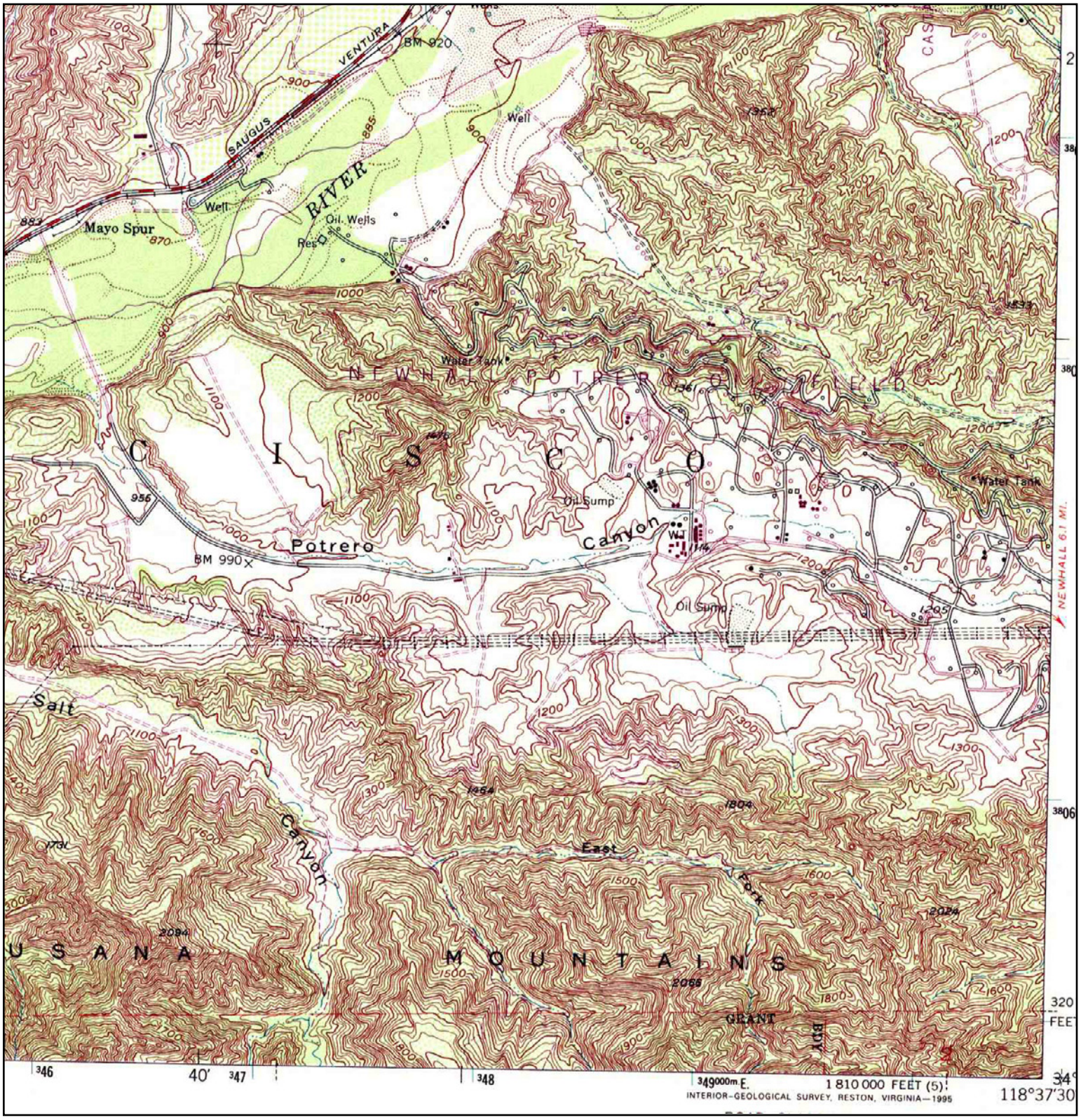
N	TARGET QUAD NAME: NEWHALL MAP YEAR: 1988 PHOTOREVISED FROM:1952 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

Historical Topographic Map



N	TARGET QUAD NAME: VAL VERDE MAP YEAR: 1988 PHOTOREVISED FROM:1952 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

Historical Topographic Map

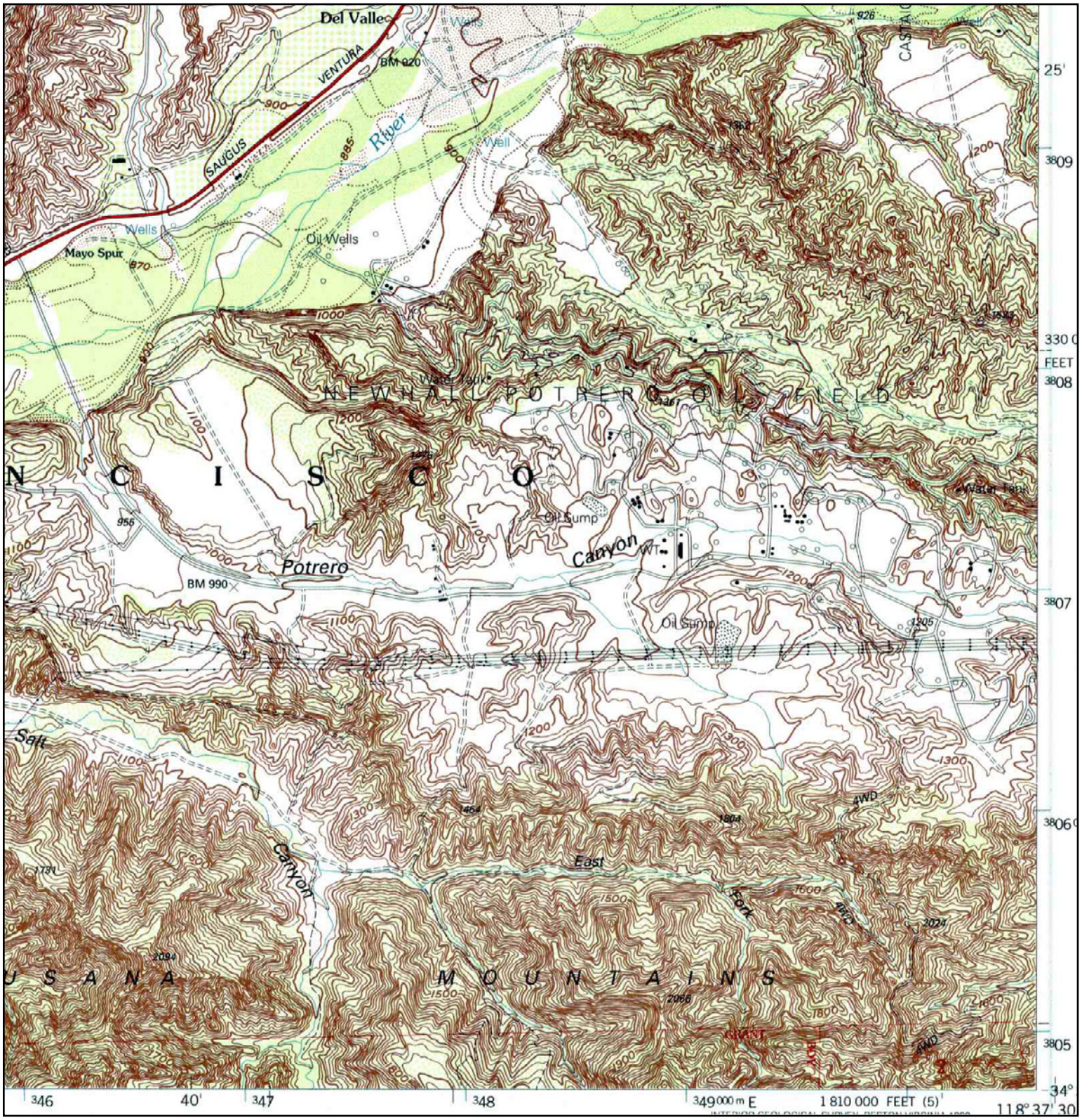


N	TARGET QUAD NAME: VAL VERDE MAP YEAR: 1991 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

Historical Topographic Map

N	TARGET QUAD NAME: NEWHALL MAP YEAR: 1995 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

Historical Topographic Map



N	TARGET QUAD NAME: VAL VERDE MAP YEAR: 1995 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Legacy Village ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia, CA 91355 LAT/LONG: 34.3955 / 118.6029	CLIENT: Building Analytics CONTACT: Russ Cote INQUIRY#: 1844659.4 RESEARCH DATE: 01/30/2007

APPENDIX C:

Historical Fire Insurance Maps

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Russ Cote
Building Analytics
502 S. Verdugo Drive
Burbank, CA 91502

Order Date: 1/30/2007 **Completion Date:** 1/30/2007
Inquiry #: 1844659.3s
P.O. #: 107008
Site Name: Legacy Village
Address: Pico Canyon Road/Potrero Canyon Road
City/State: Valencia, CA 91355
Cross Streets:

Customer Project: 107008
1015675PEP 818-841-2575

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

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APPENDIX D:

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

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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:

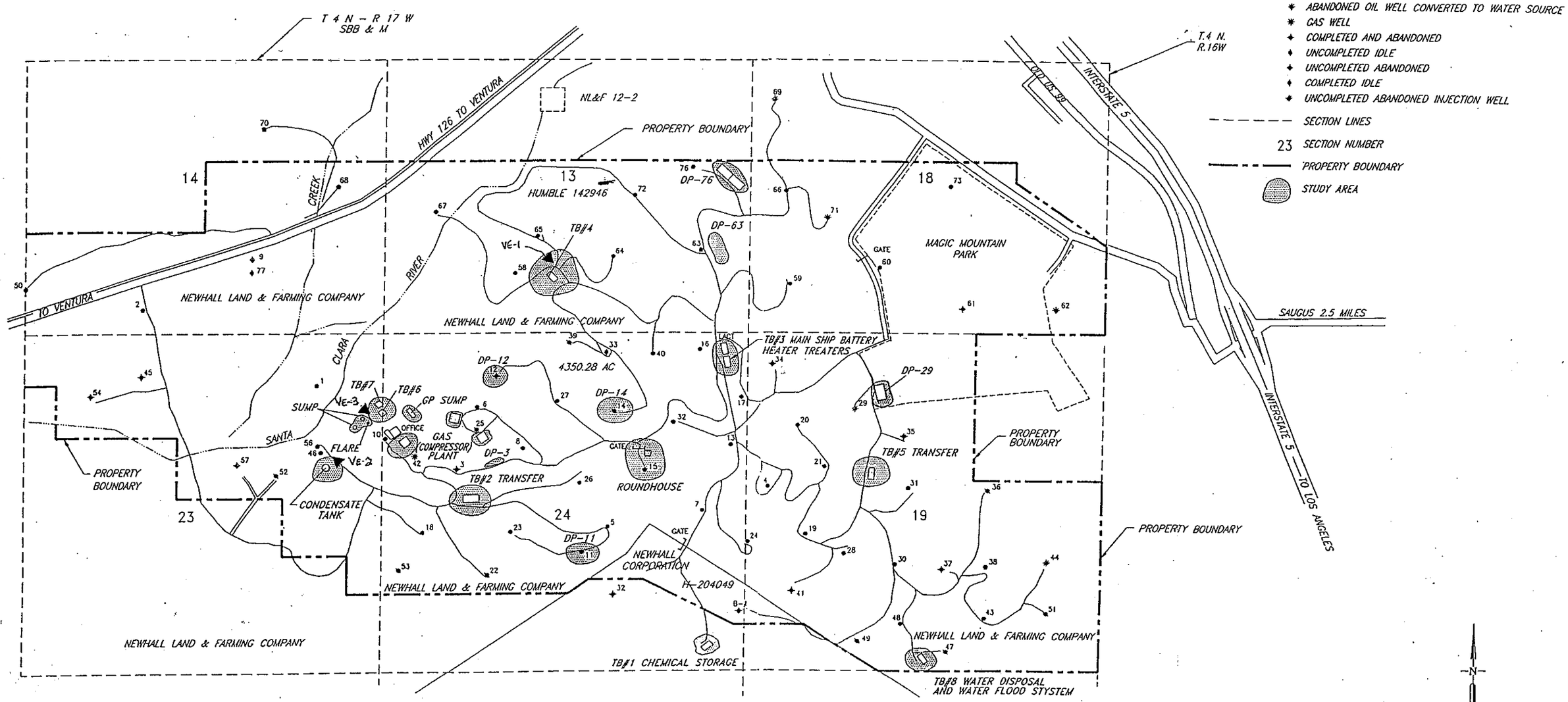
- Excavate buried pipelines.
- Determine the extent of oil contamination.

- 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.

Harding Lawson Associates
Engineering and Environmental Services

TANK BATTERY No. 1
Exxon Castaic Junction
Valencia, California Rev. July/August 1995.

PLATE 4

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
JCM	382,553.16		5/92	

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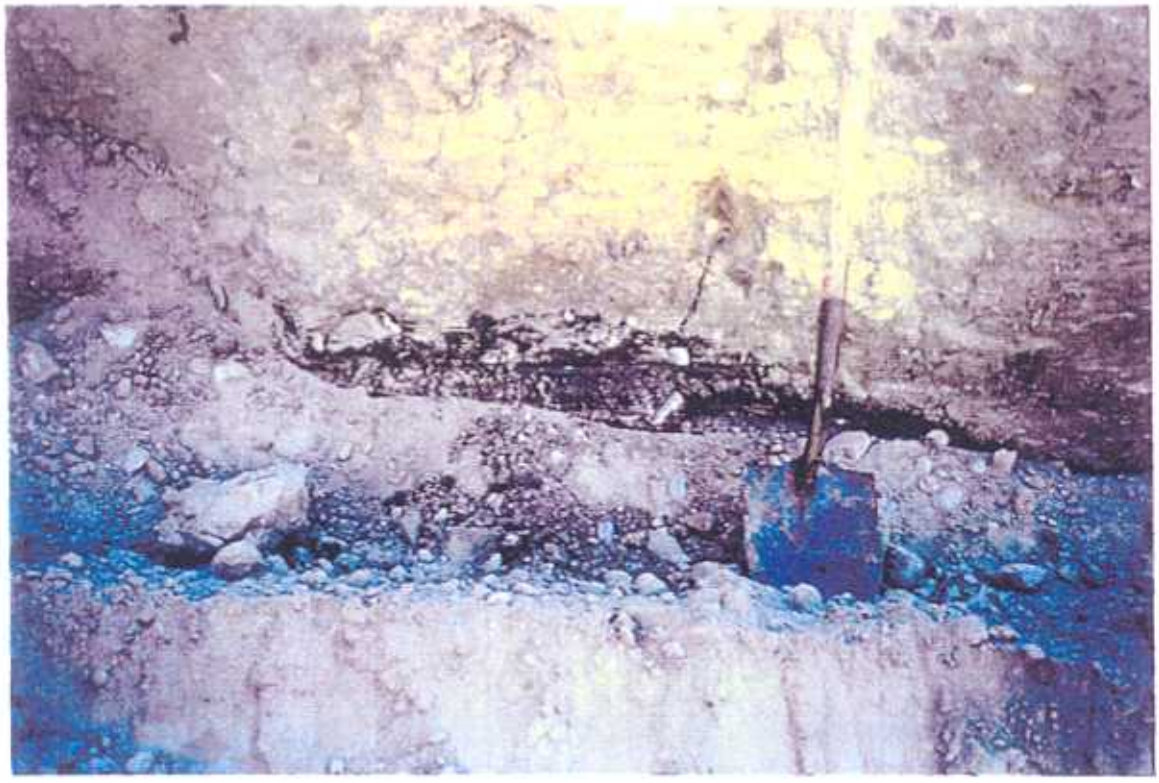
Ravine at Tank Battery 1
Photo 4TB1-P2



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.

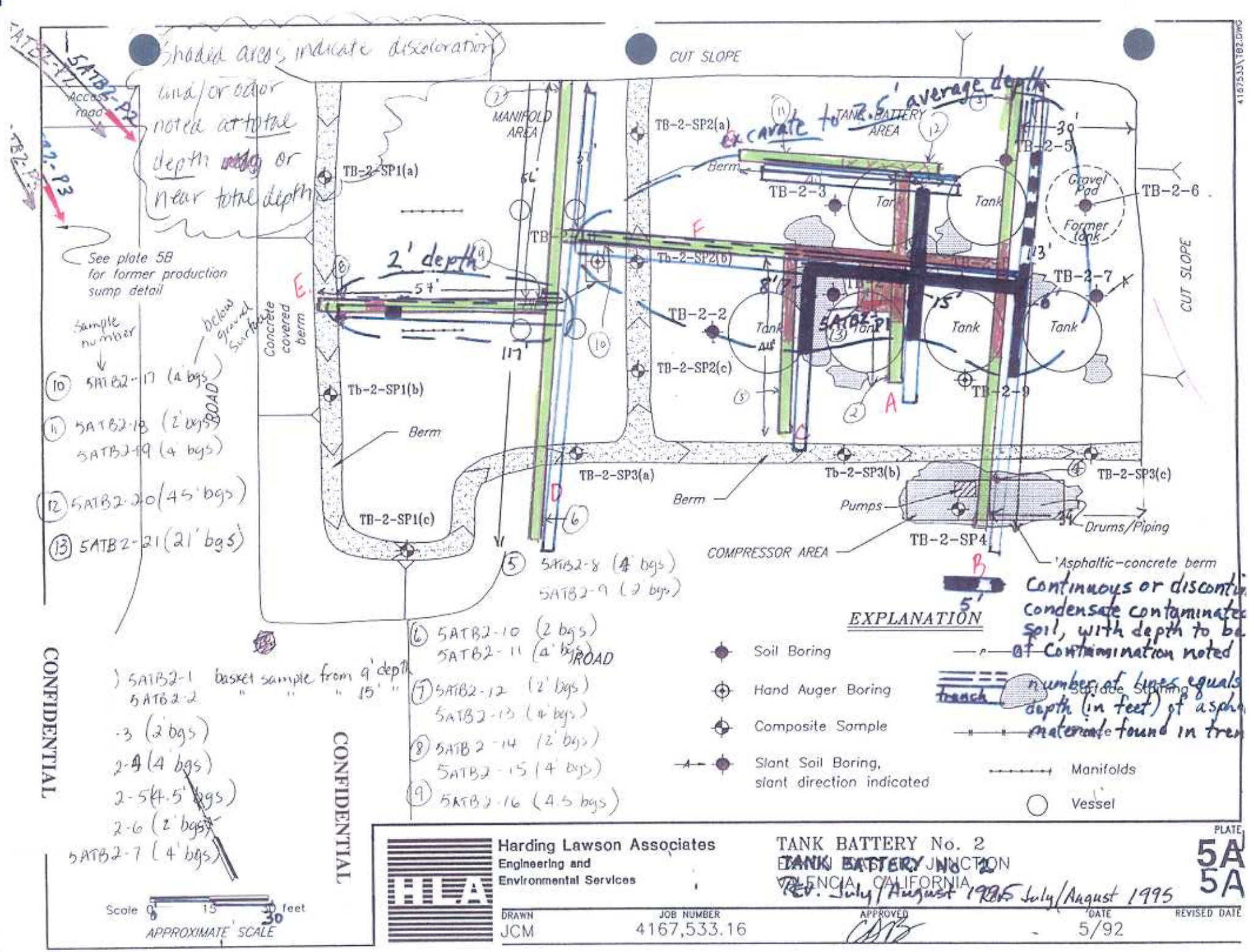
Recommendations:

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.

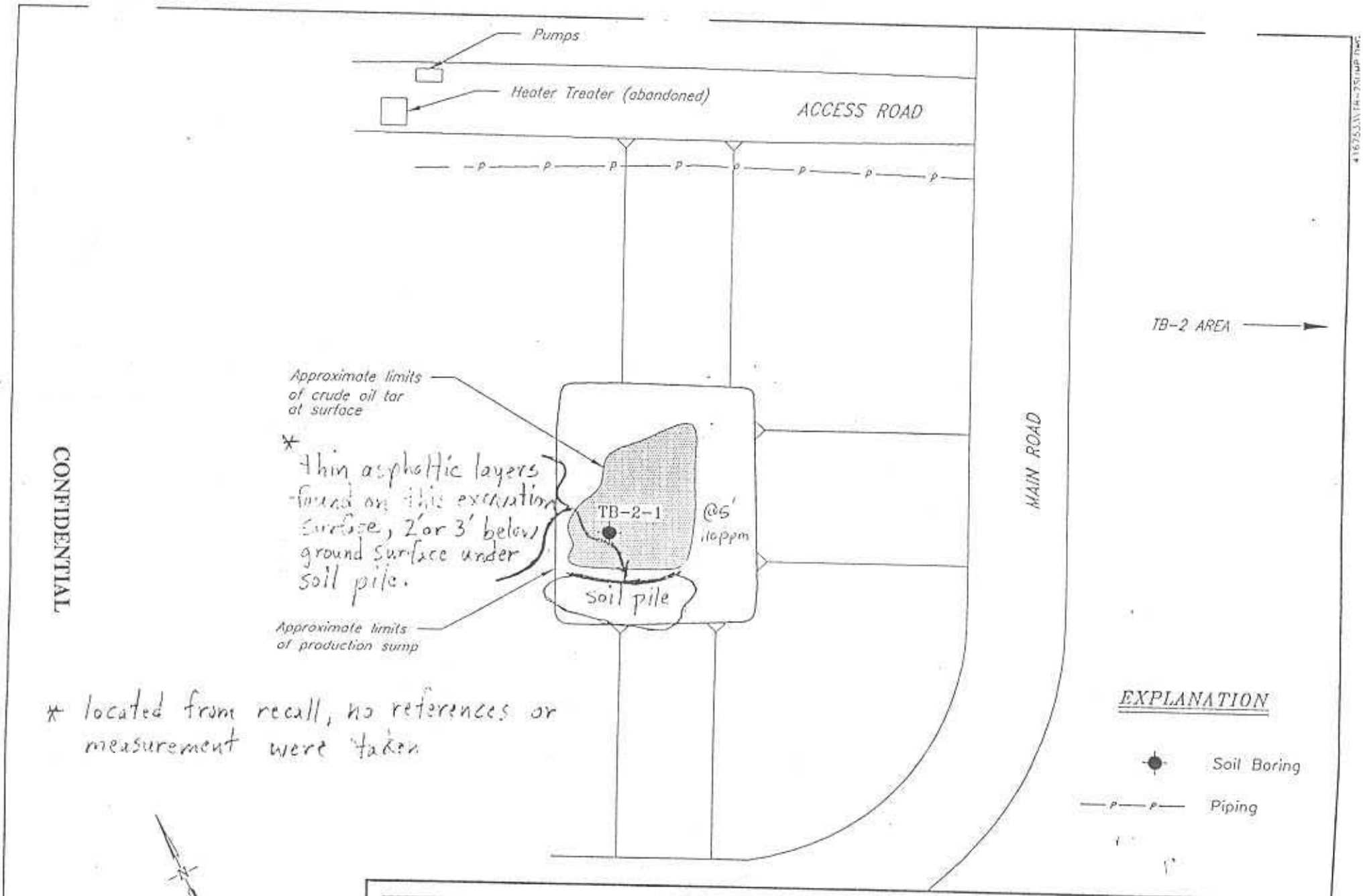


Harding Lawson Associates
Engineering and Environmental Services

TANK BATTERY No. 2
TANK BATTERY No. 2
VALENCIA, CALIFORNIA
Rev. July/August 1995 Rev. July/August 1995

PLATE 5A 5A

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



Harding Lawson Associates
Engineering and Environmental Services

TANK BATTERY No. 2
DRILL SUMP DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

Rev. July/August 1995

PLATE 5B

DRAWN JCM | JOB NUMBER 4167.533.16 | APPROVED | DATE | REVISED DATE

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

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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:

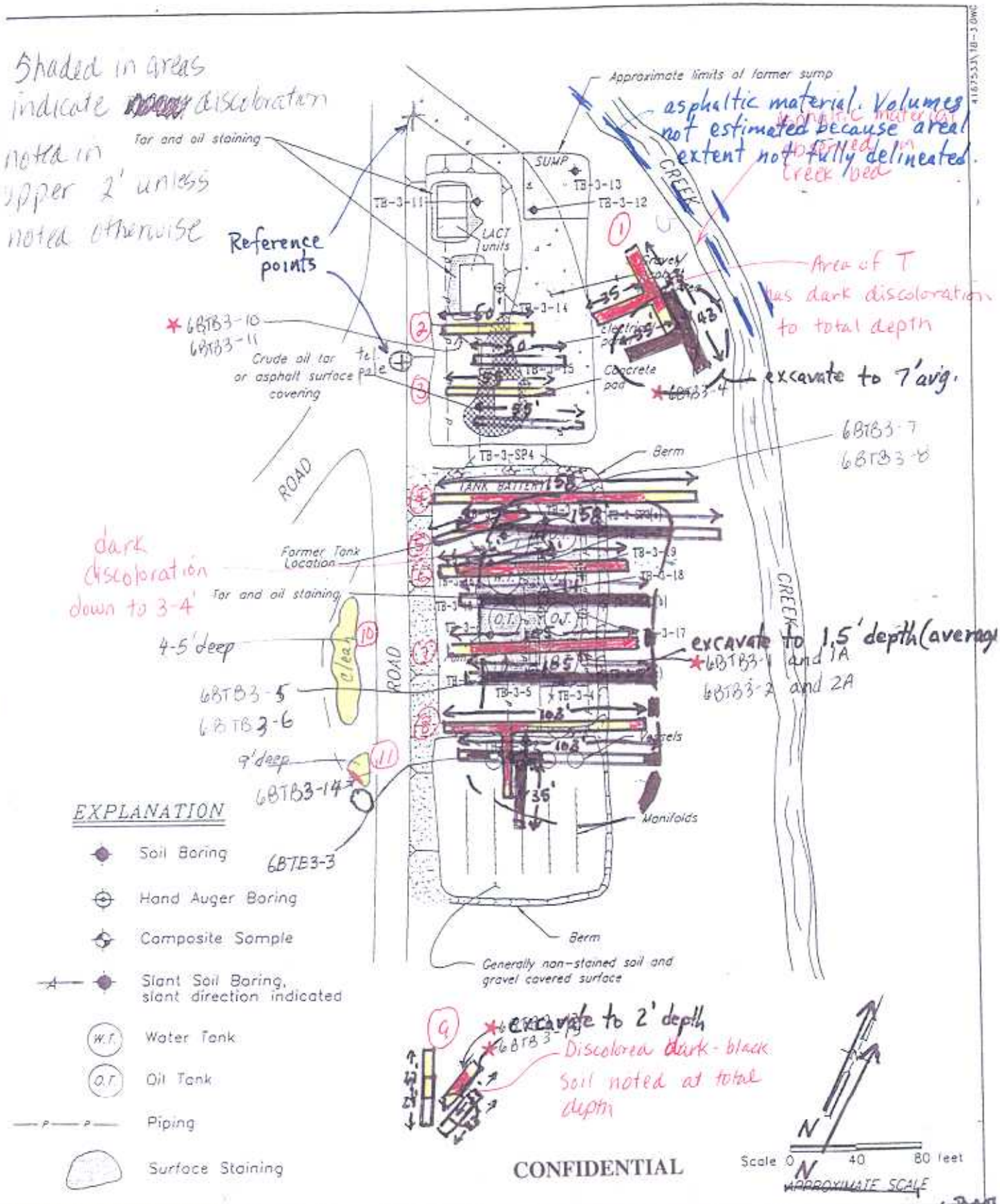
1. Excavate the three areas outlined on the overlay down to base of asphaltic material. Much of the area needs to be excavated to 1-1.5 feet. Several areas need to be dug to 3-4 feet. Trench 1 is contaminated to 7 feet deep near the Tee intersection. The average depth of excavation noted on the overlay (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.



Harding Lawson Associates
Engineering and Environmental Services

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

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

* sample contains analy

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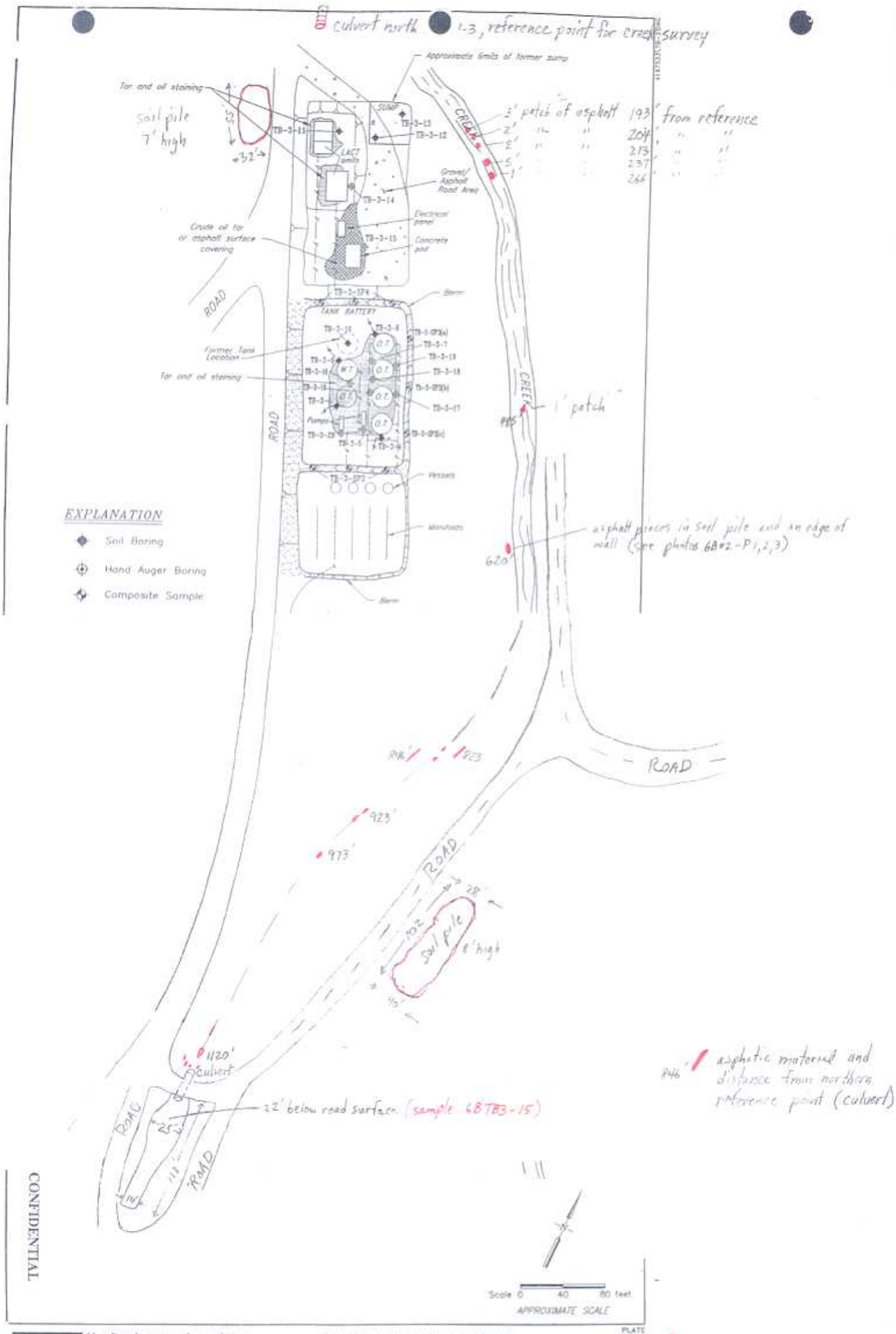
culvert north 1-3, reference point for creek survey



Harding Lawson Associates
Engineering and
Environmental Services

TANK BATTERY No. 3 DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA
Rev. July/August 1995

PLATE 6B #2

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
KM	41675.13.16		5/95	

Tank Battery 3
Photos 6BTB3-P1 & P2

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Dan Lilo/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.

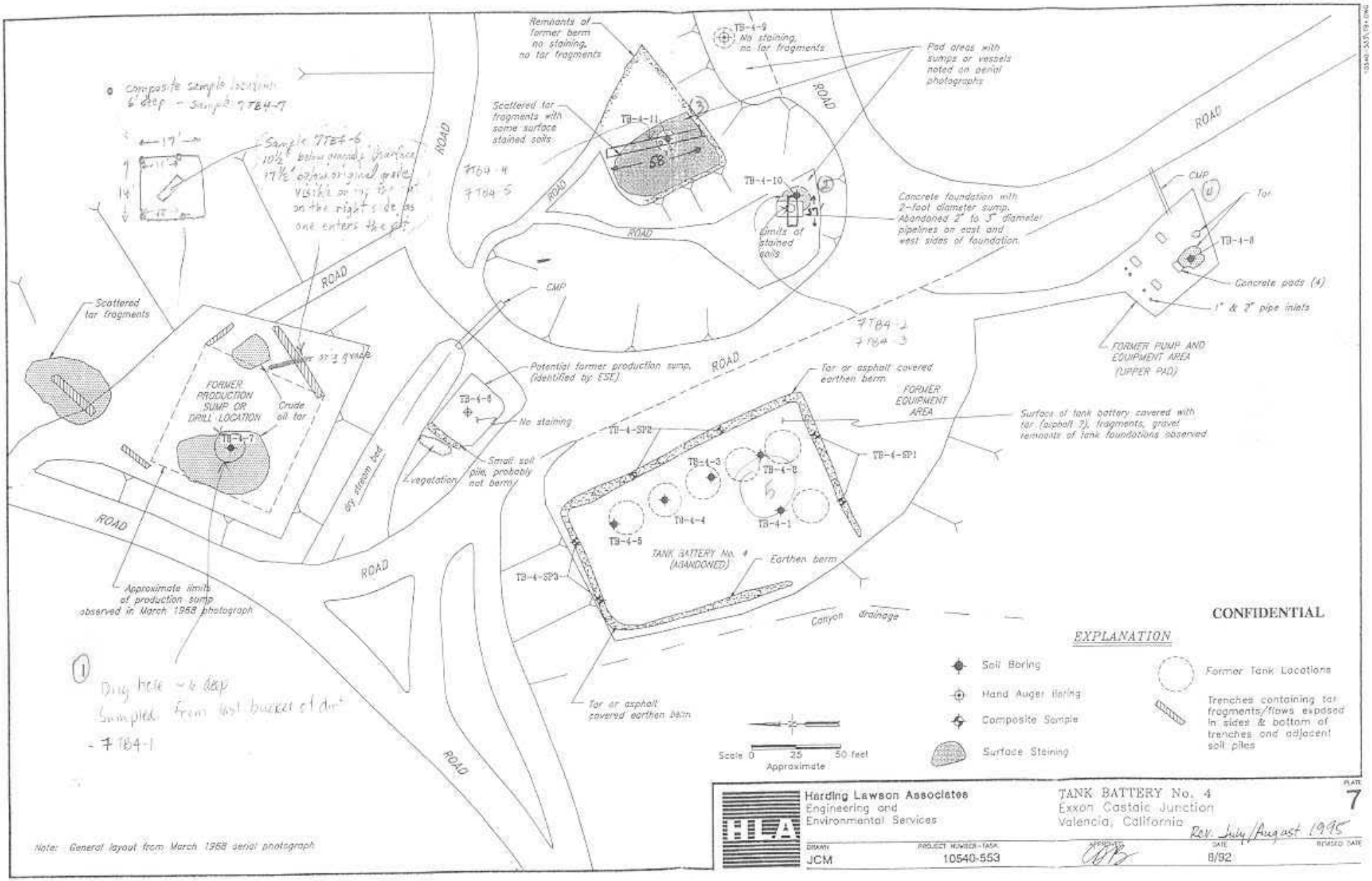
Recommendations:

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.



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TANK BATTERY No. 4
Exxon Castaic Junction
Valencia, California

Rev. July/August 1995

PLATE 7

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

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.

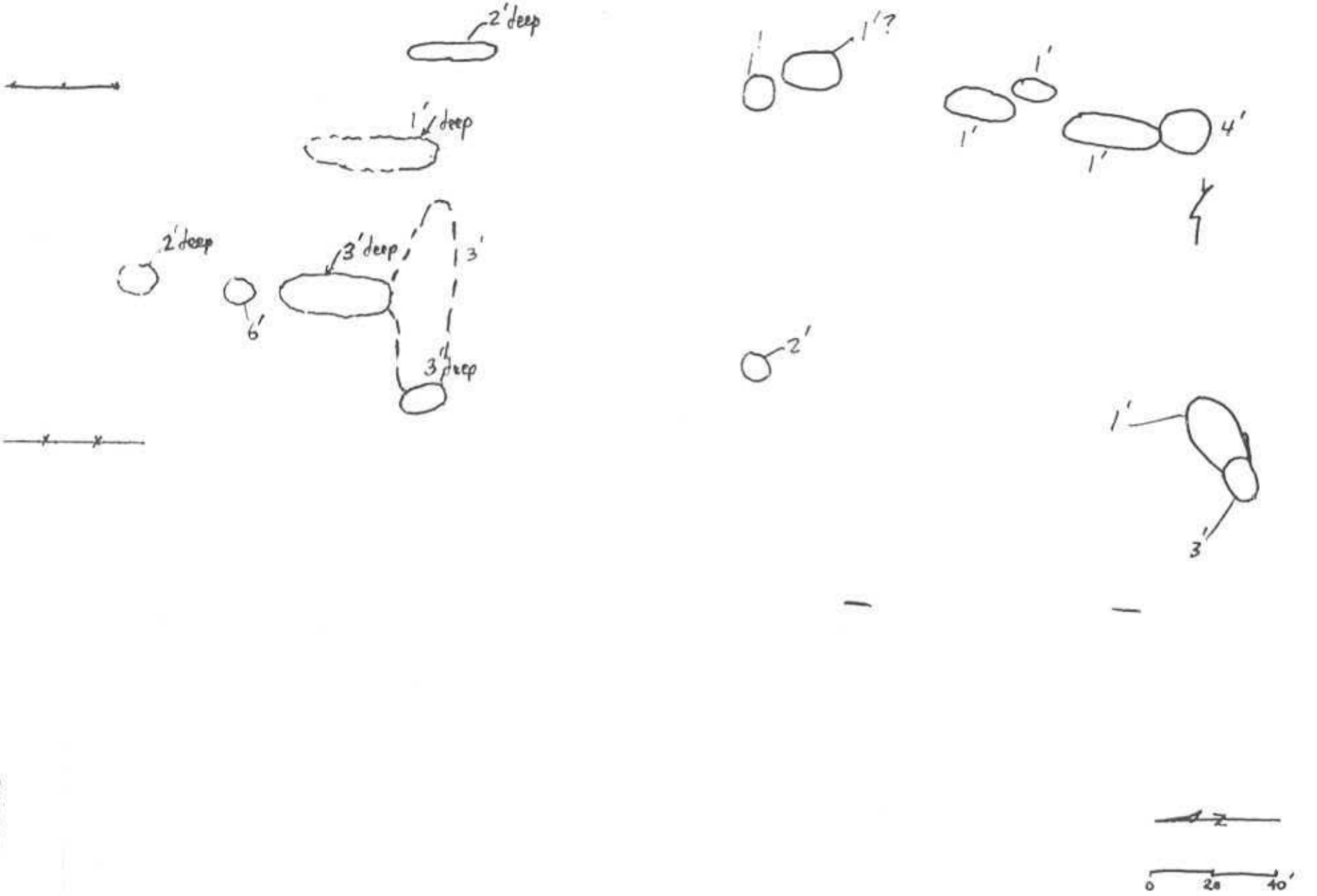
3. Estimate of depth of soil to excavate in Trench 2 assumes base of contaminated soil is not deeper than base of the trench. However, the base of contamination was not seen in the trench and the removal of the contaminant may require excavation beyond 6 feet of depth.

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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TANK BATTERY No. 5
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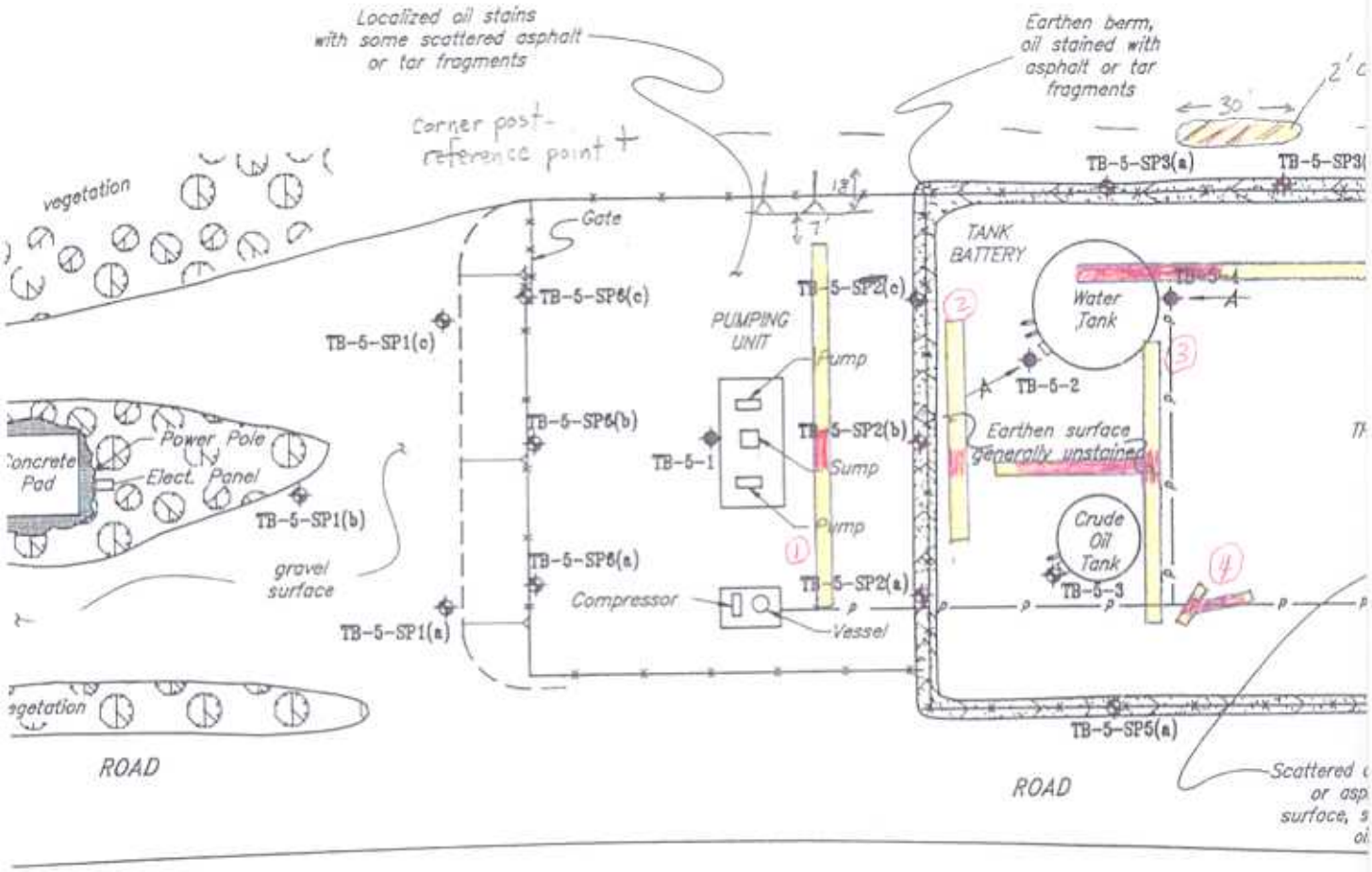

EXPLANATION

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- ınd Auger Boring
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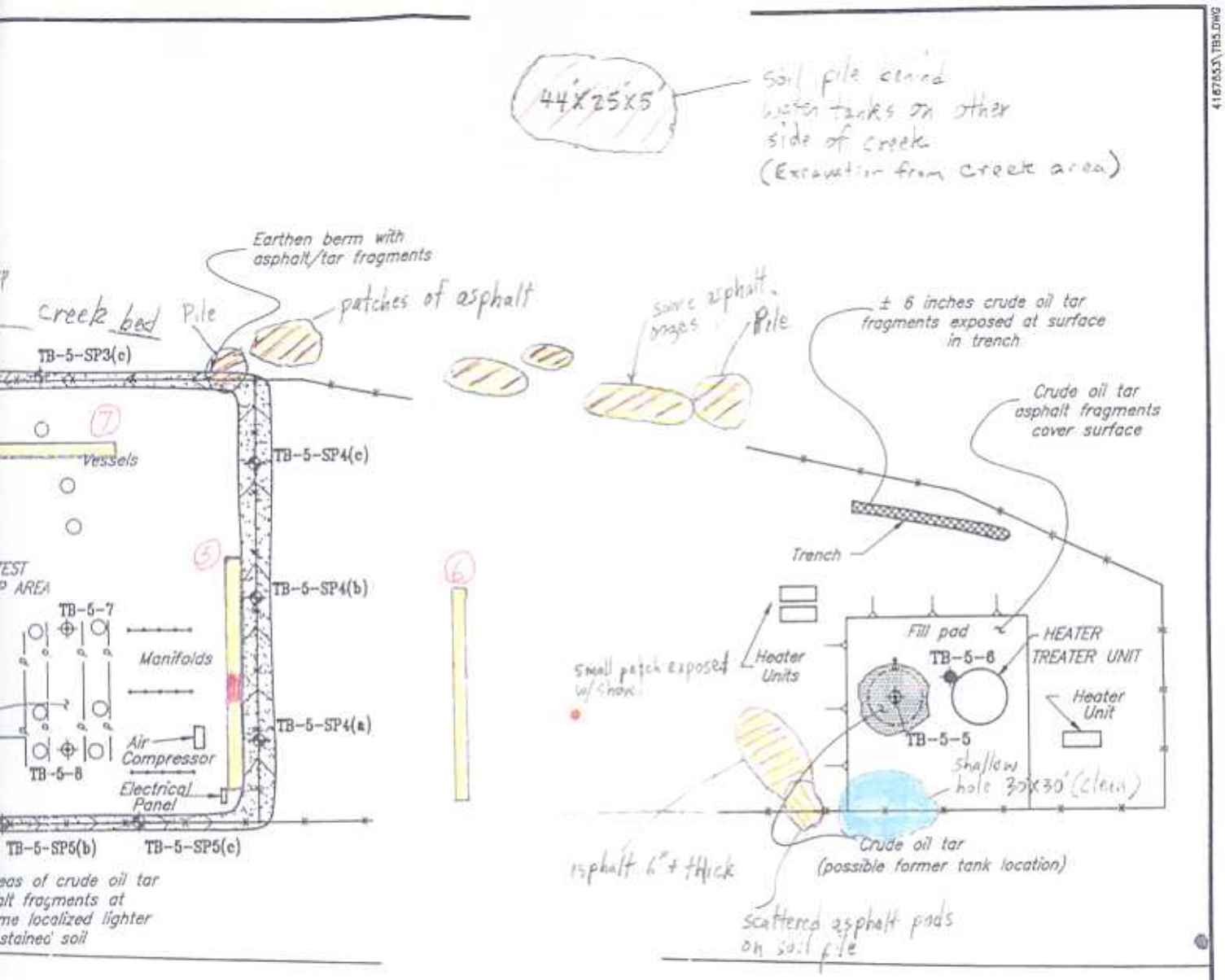
- ınt Soil Boring, slant direction indicated
- Piping
- Surface Staining
- Fence
- Vertical Vessels



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DRAWN	JOB NUMBER
JCM	4167,553.1

TANK BATTERY No. 5
Exxon Castaic Junction
Valencia, California

PLATE 8

Rev. July/August 1995

APPROVED	DATE	REVISED DATE
6	5/92	

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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.)

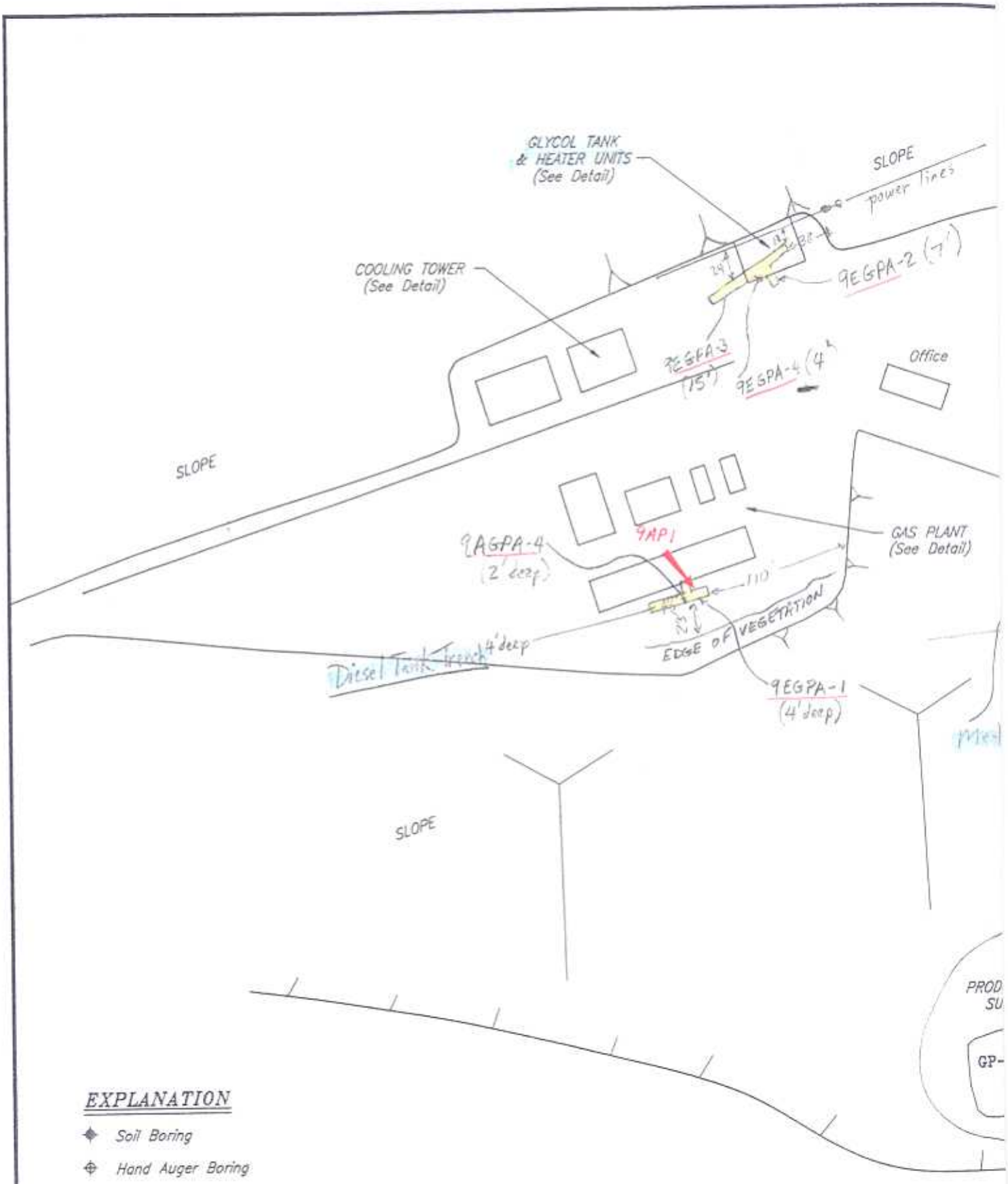
3. Backfill Trench 5, methanol tank trench (Plate 9A), and the "former sump-like features" (Plate 9A) in the northwest corner. Rip and disk area after removal of gravel around the methanol tank area.

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.

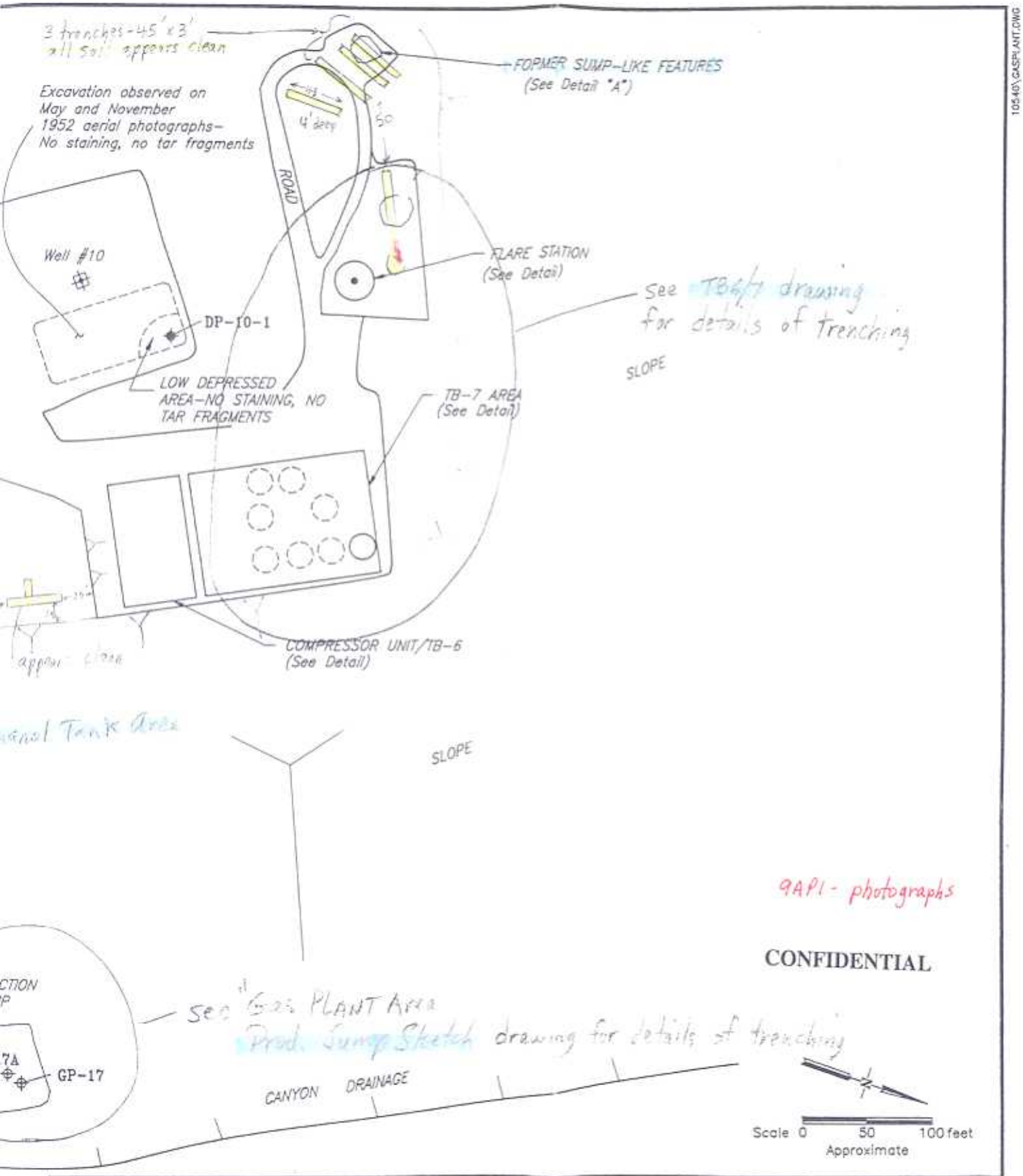
5. Recommendations for Trench 4 (TB6/7 sketch) and the Glycol Trench (Plate 9A) will be addressed during Phase II due to present soil conditions and findings in the HLA report.

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



9API - photographs

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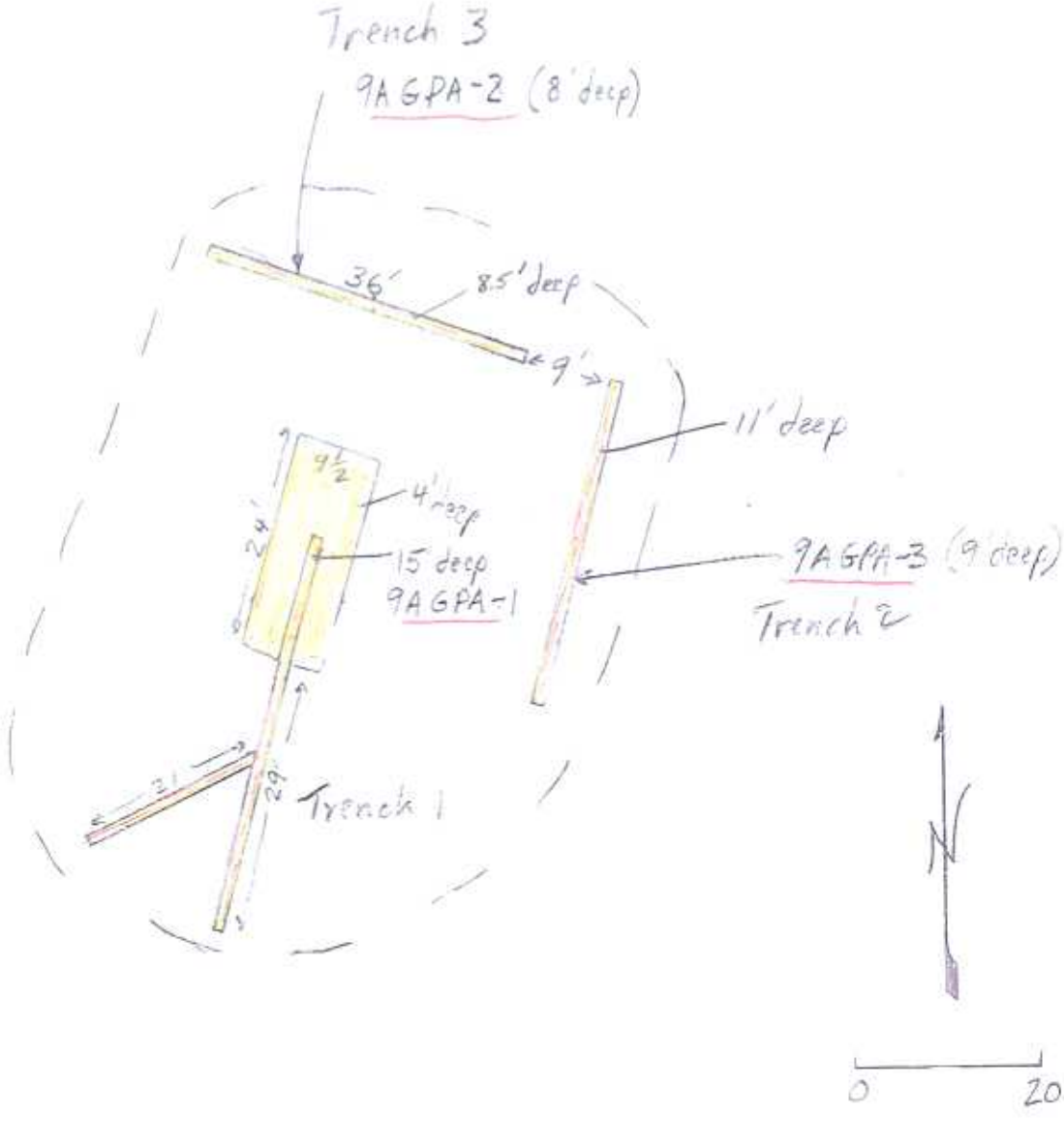
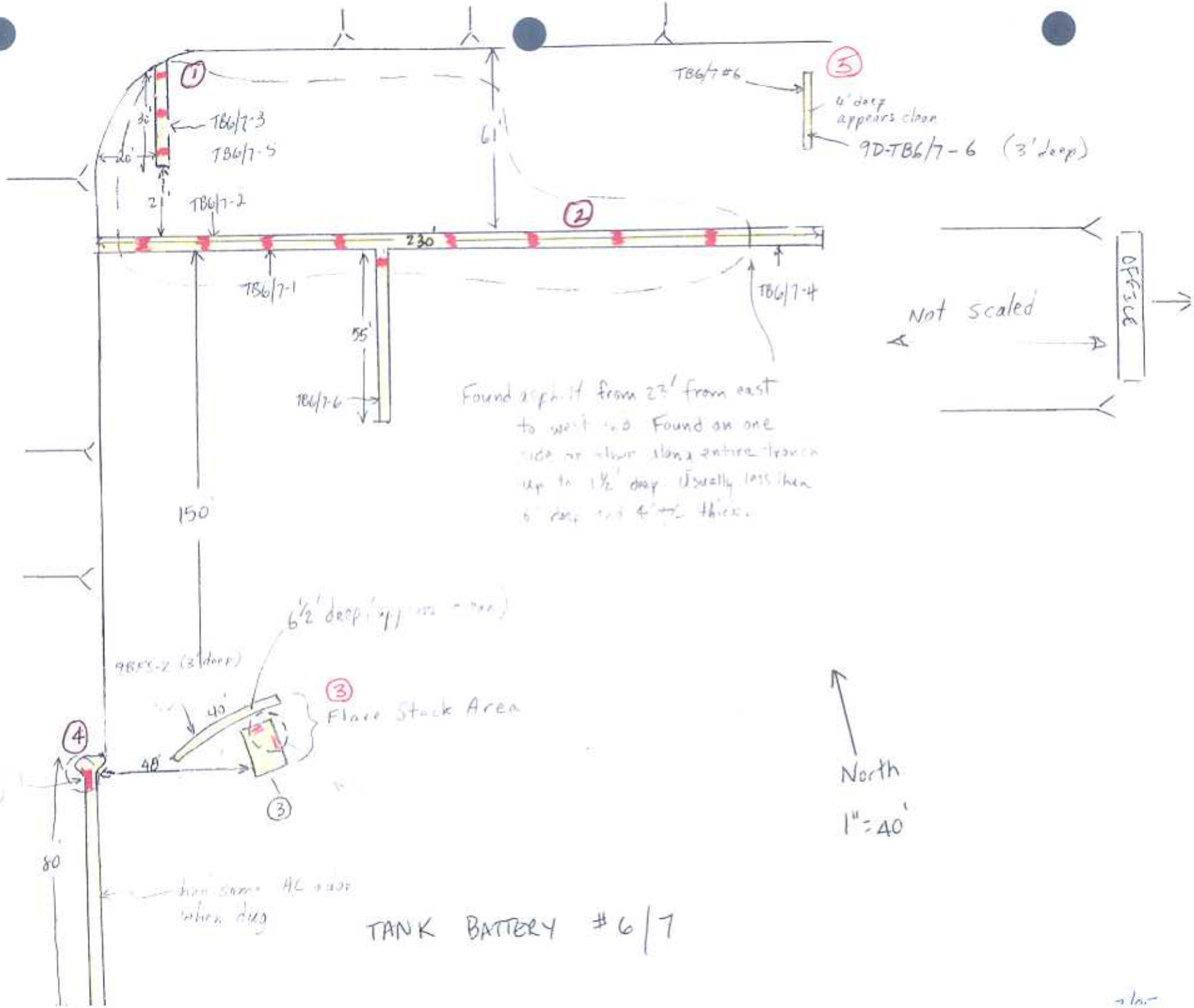
Harding Lawson Associates Engineering and Environmental Services	GAS PLANT AREA – GENERAL LAYOUT Exxon Castaic Junction Valencia, California Rev. July/August 1995				PLATE 9A
DRAWN JCM	PROJECT NUMBER-TASK 10540-553	APPROVED	DATE 8/92	REVISED DATE	

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.

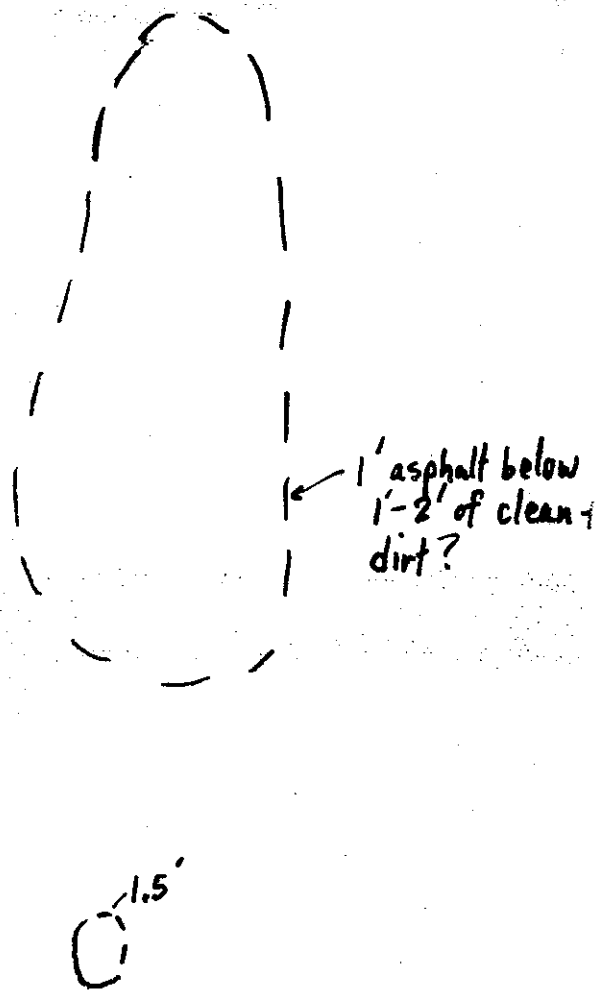
Recommendations:

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.



TANK BATTERY No. 6
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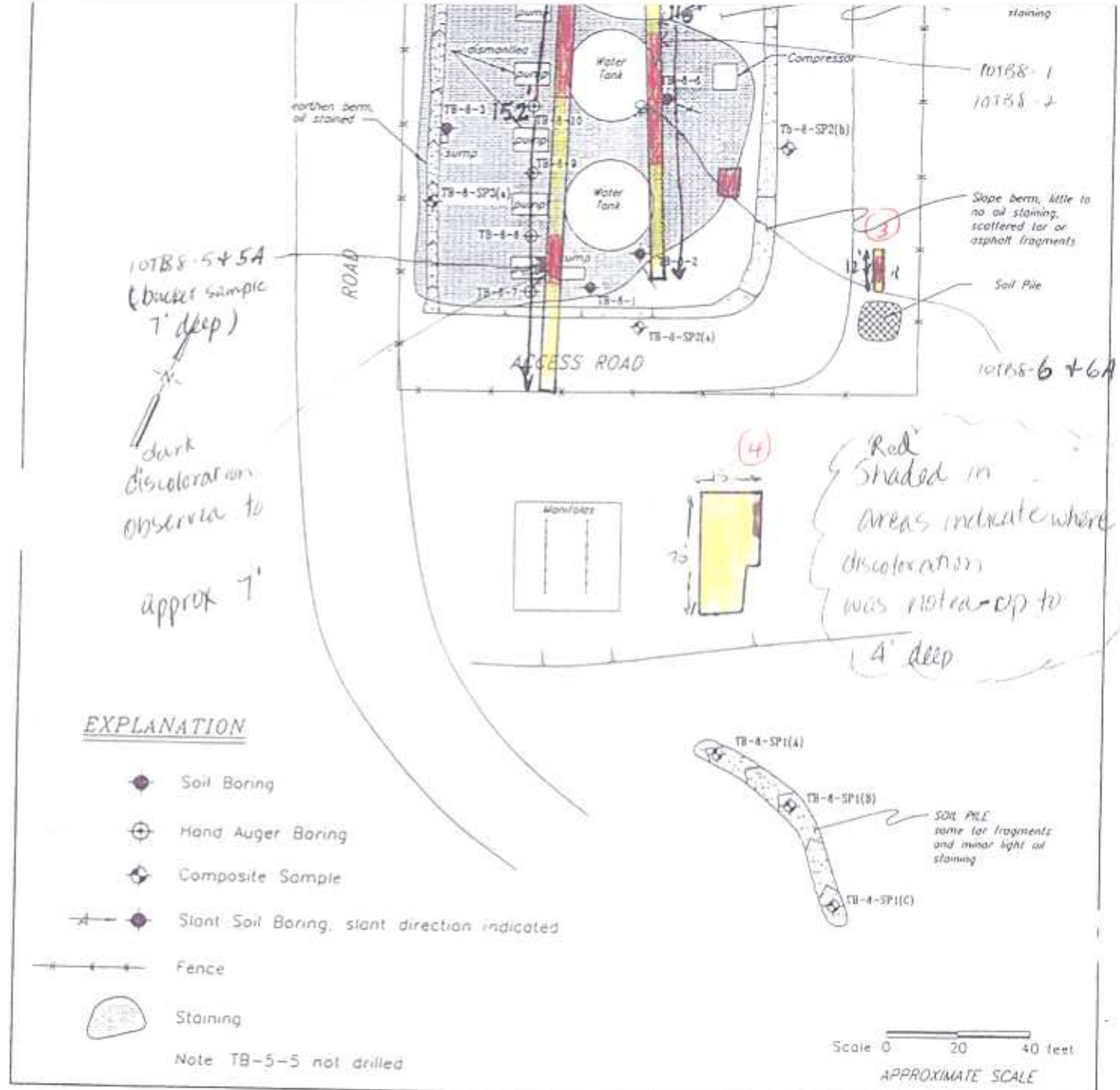

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TANK BATTERY No. 8
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLATE 10

Rev. July/August 1995

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

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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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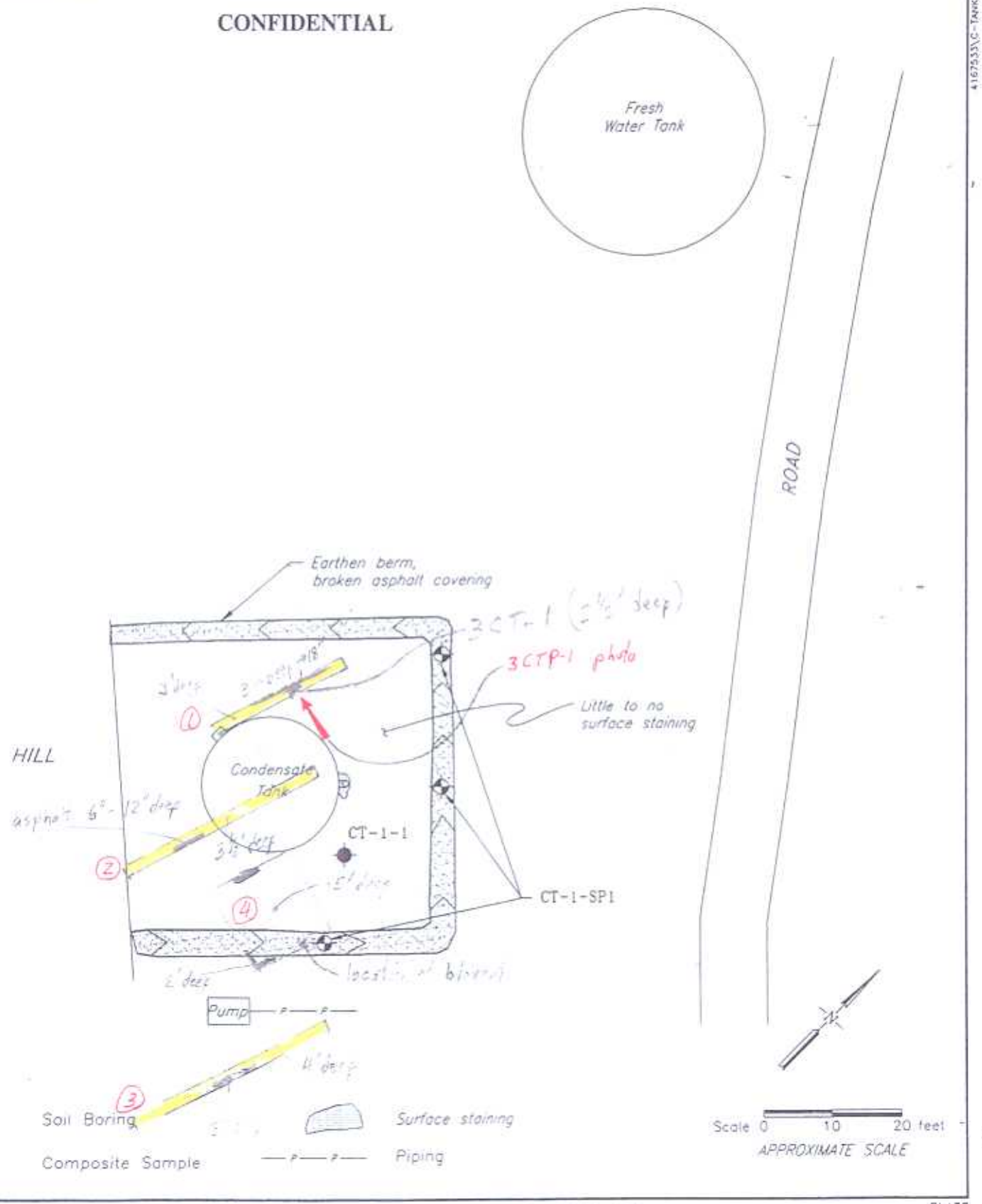

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CONDENSATE TANK
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

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.*

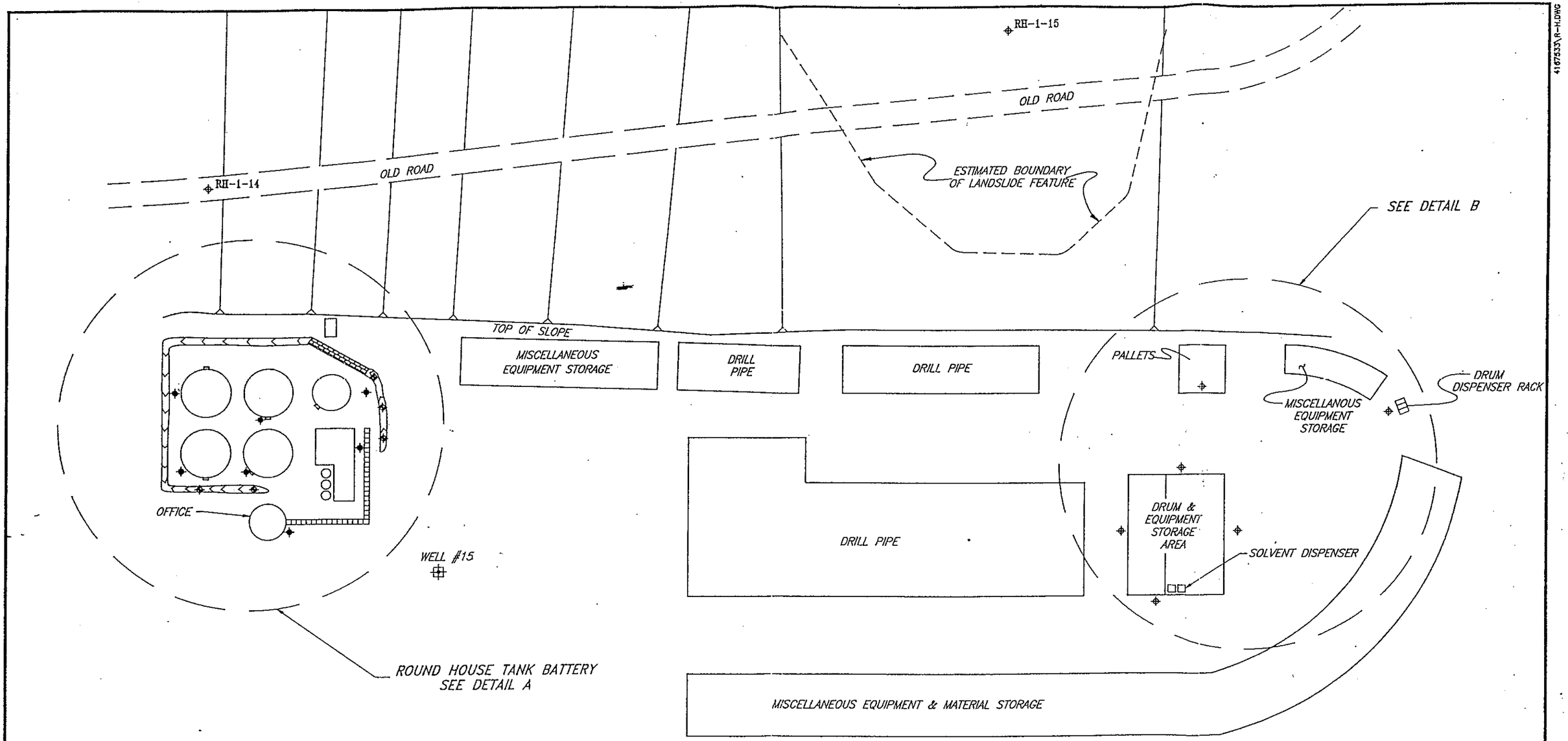
Equipment (Pallets) Storage Area (ESA)

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.



4167533\R-H.DWG

EXPLANATION

- Soil Boring
- Hand Auger Boring
- Composite Sample

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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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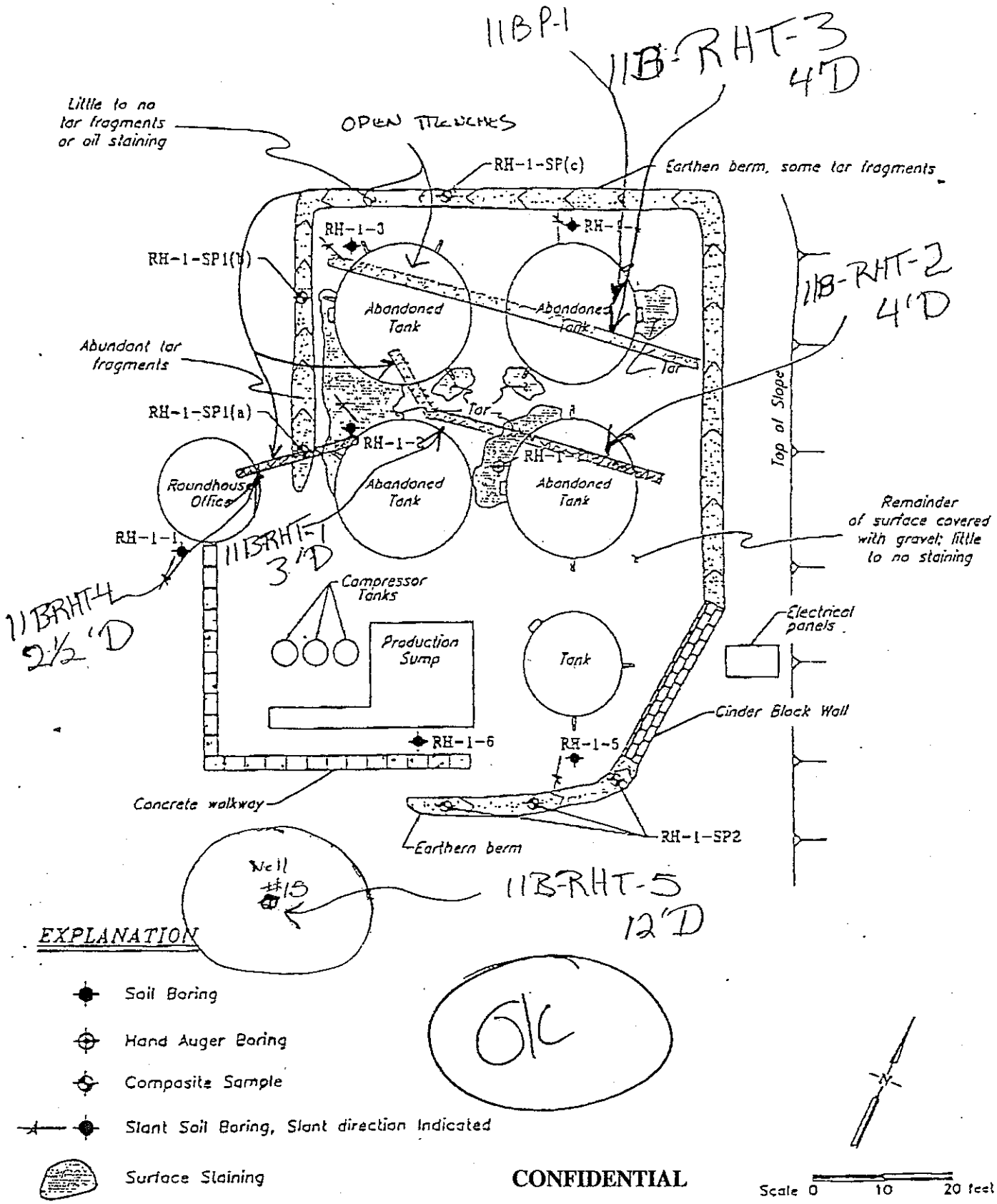
Round House Area
Photo 11B-RHT-P1



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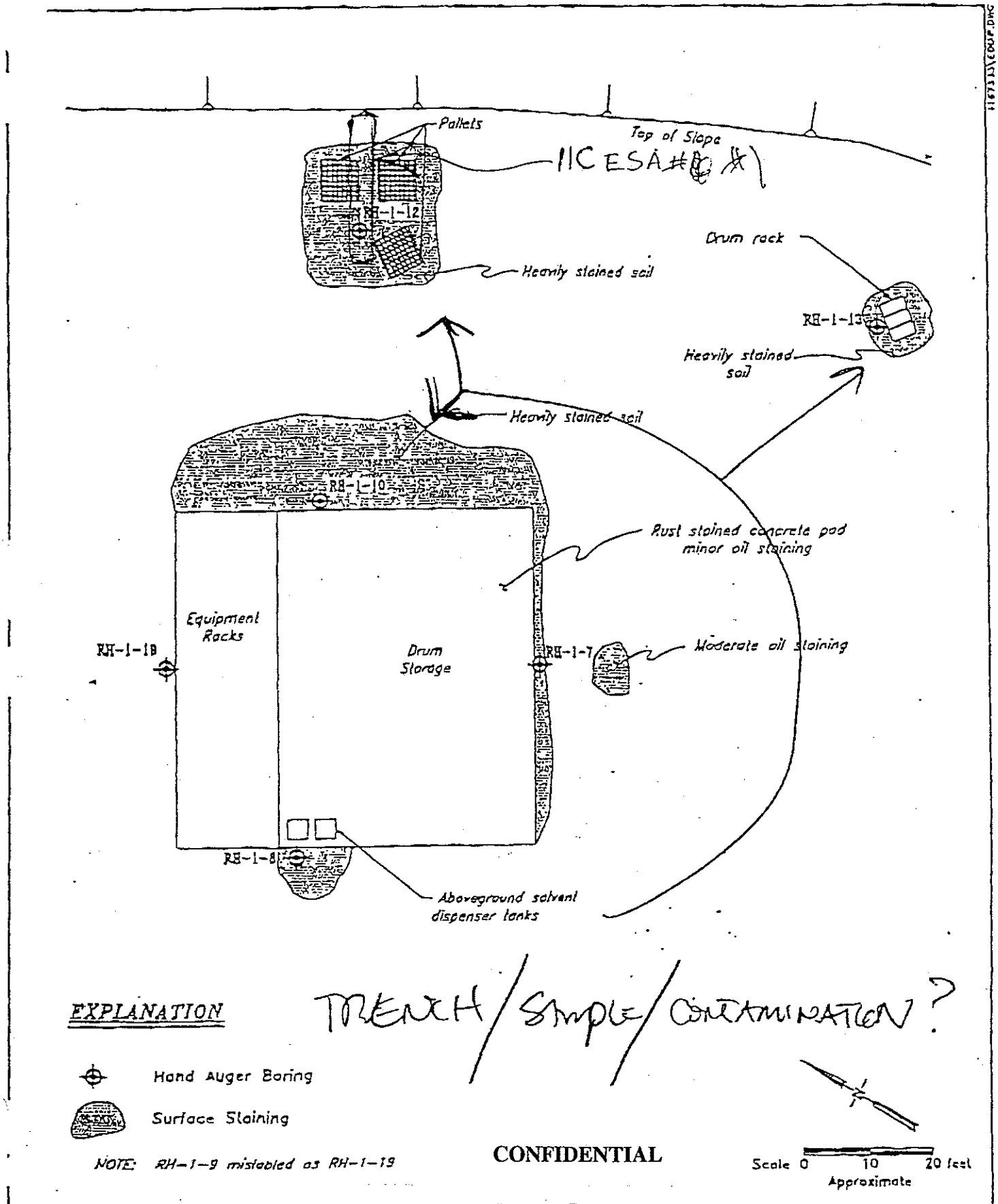
ROUNDHOUSE TANK BATTERY DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

PLA 11E

Rev. July/August 1995

DRAWN JOB NUMBER APPROVED DATE REVISED DA



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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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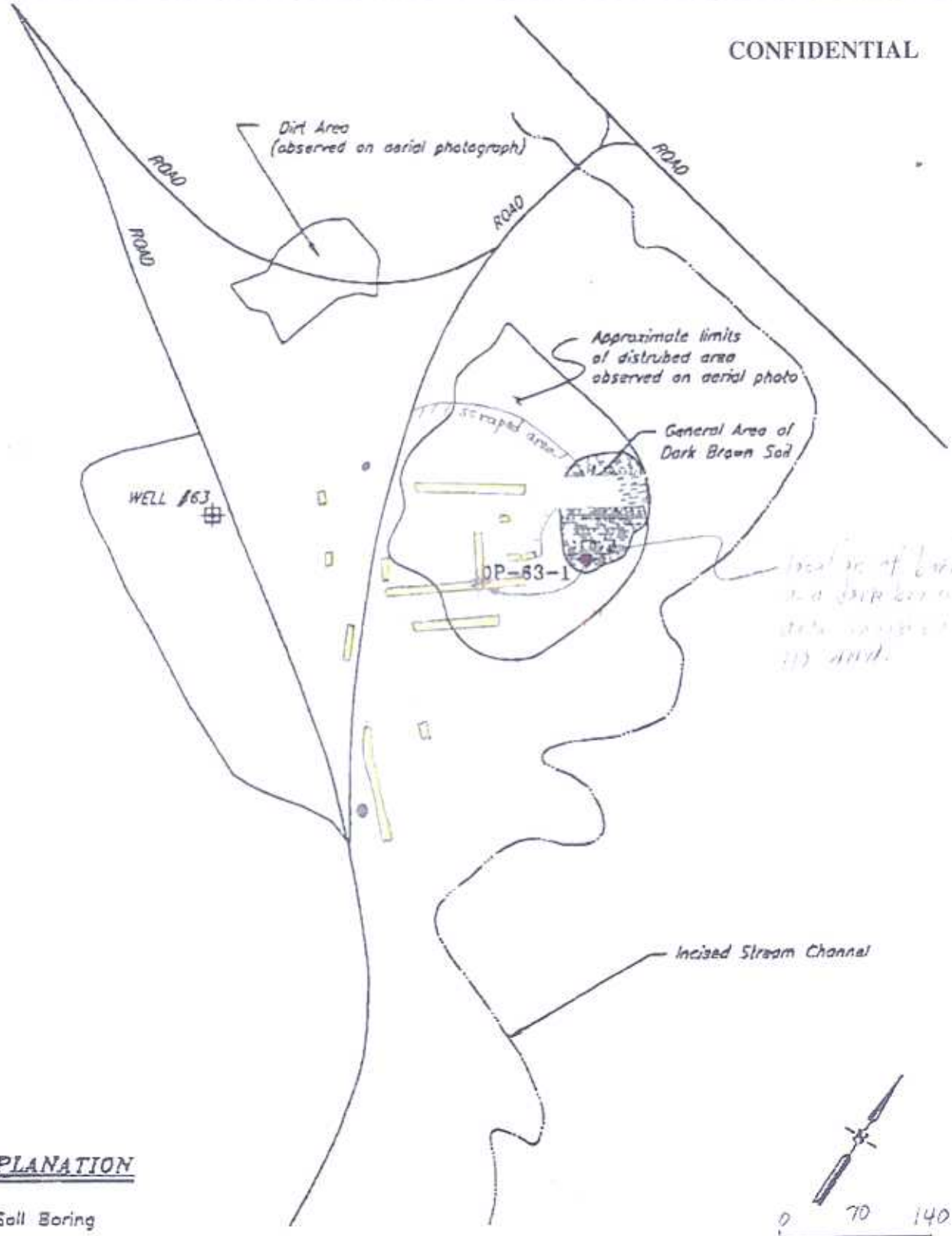

Mapping based on March 1958 aerial photograph and field inspecting by HLA

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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	

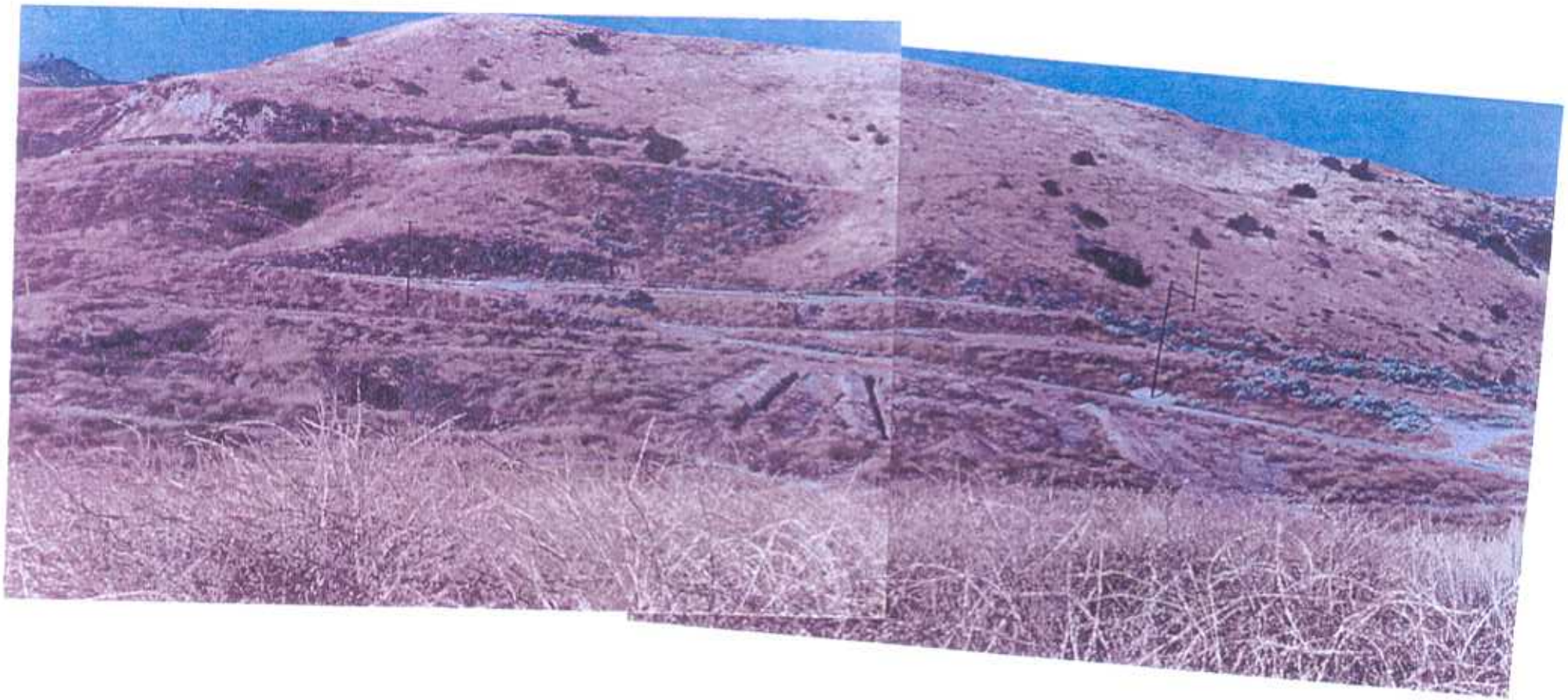
08/02/95 11:46 FAX 805 762 7284 EXXON HILL +++ CASTAIC LEASE 005

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



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.

CONFIDENTIAL

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	

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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.

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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

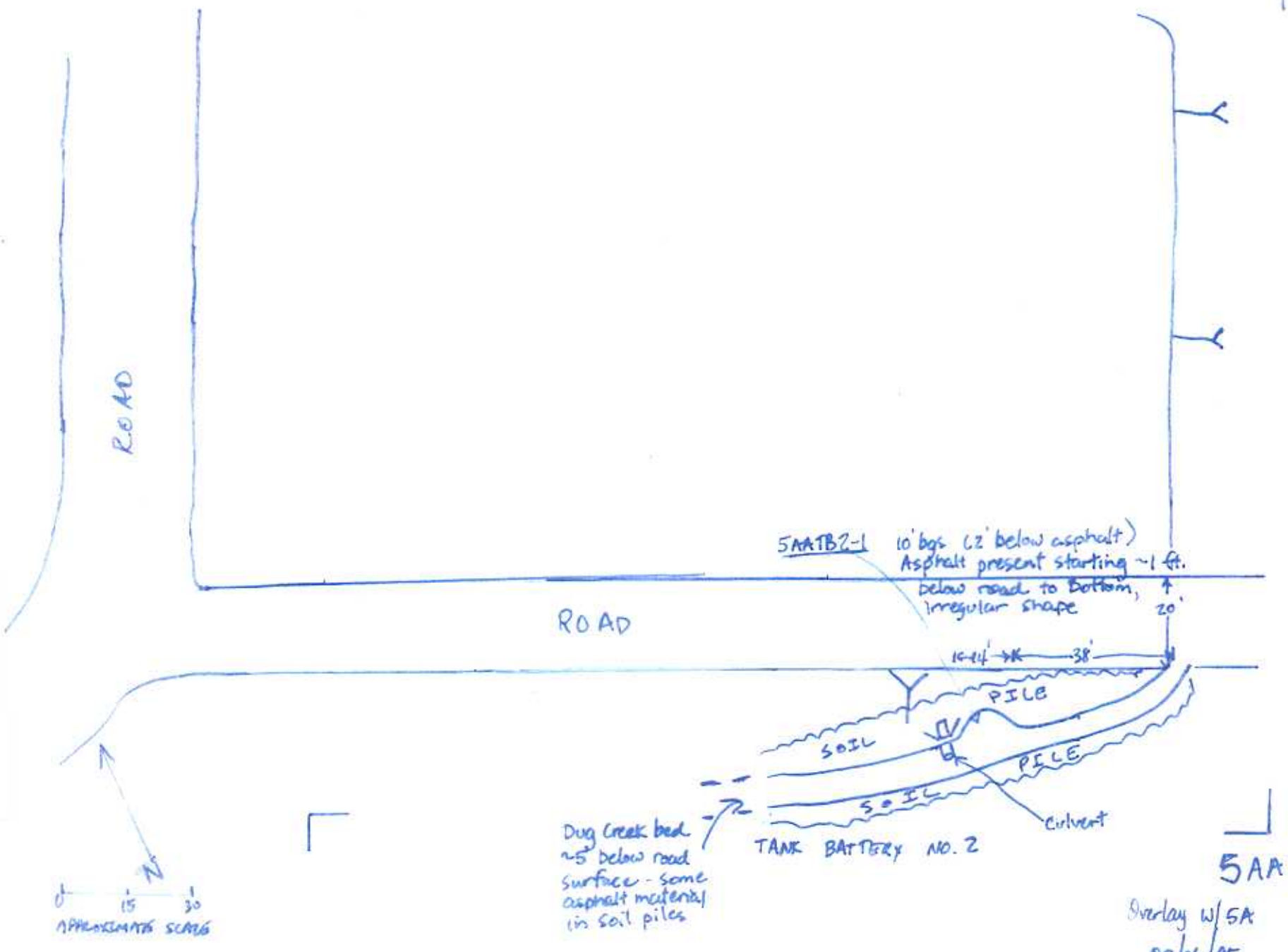
Tank Battery 2 (South)

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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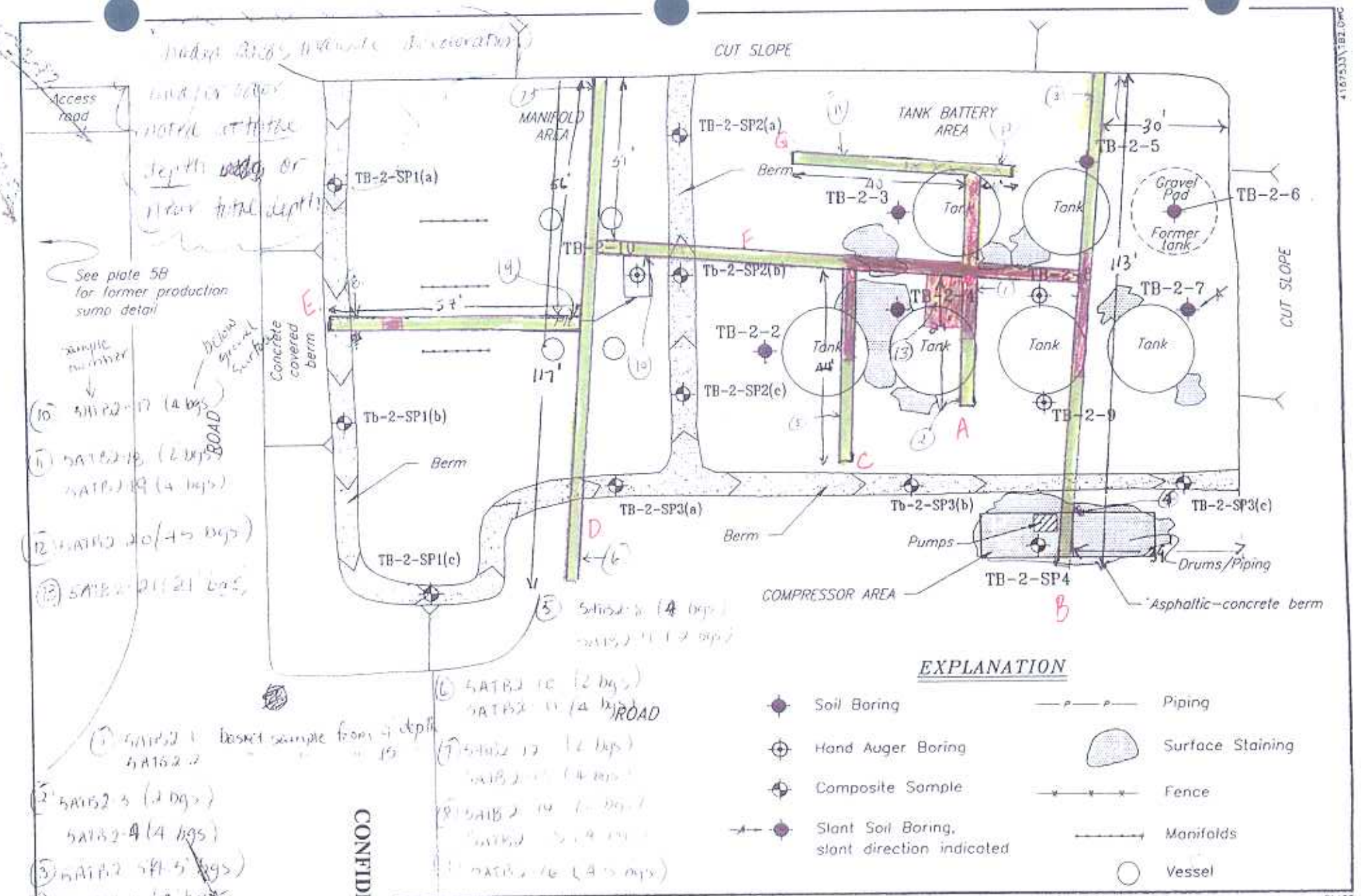

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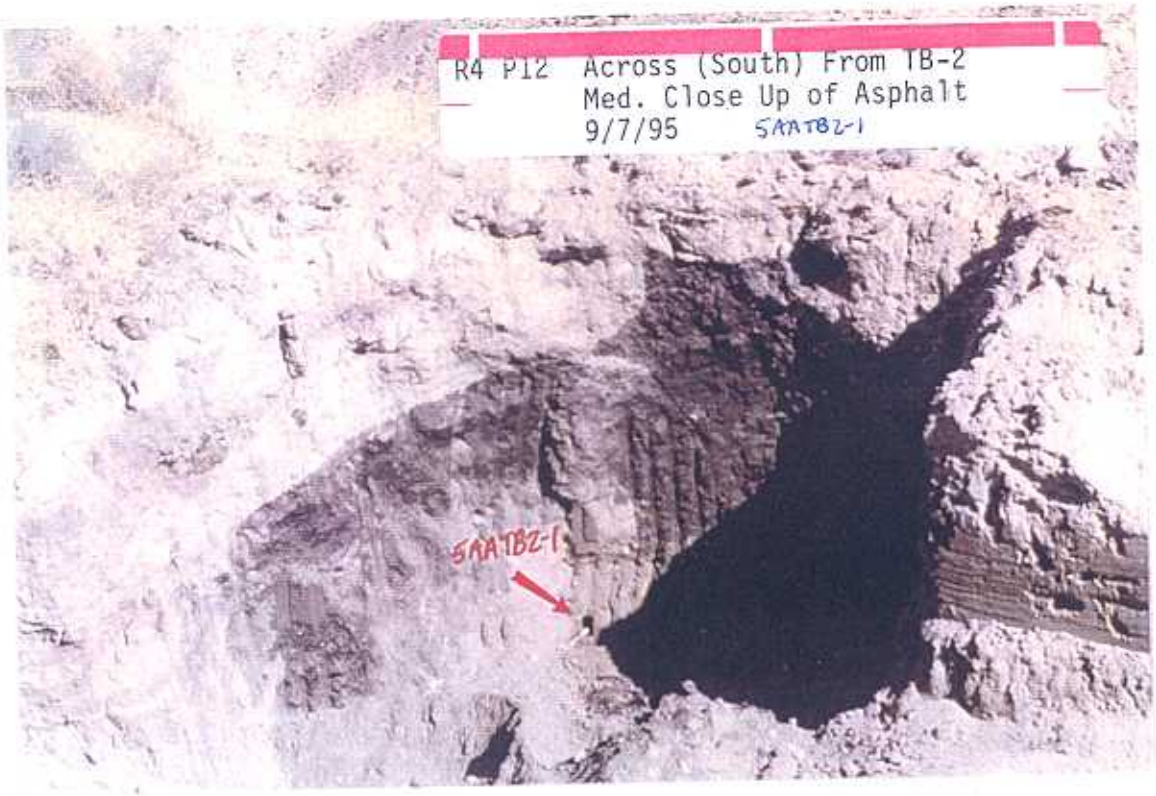
TANK BATTERY No. 2
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

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
Creek Bed
Asphalt

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


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.

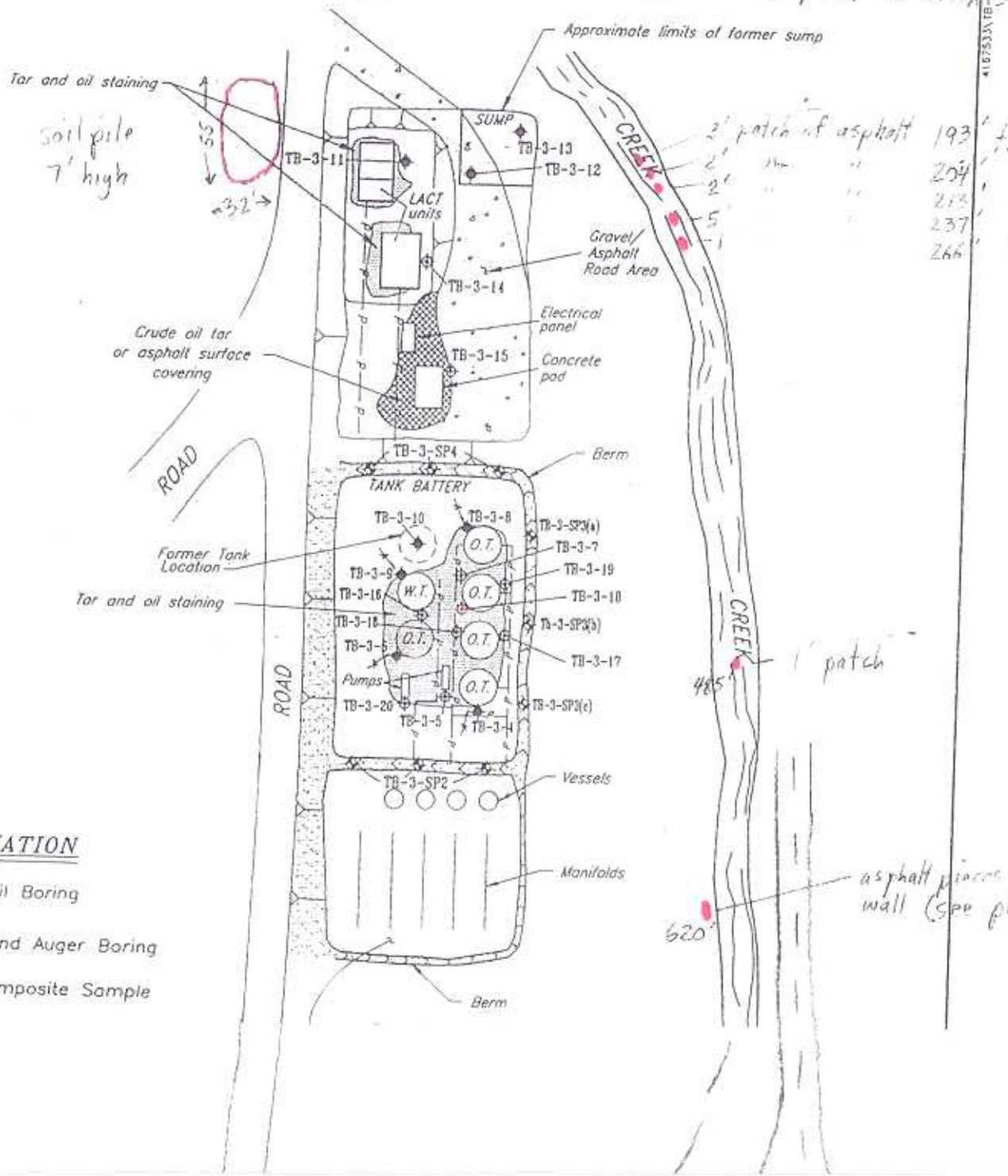
The soil from the 20 foot trench was sampled from the last excavator bucket of soil which was dug out from the south end of the trench. This sample had no odor and no visible discoloration.
6BTB3-17, 20 ft. bgs, bucket sample; no detectable hydrocarbons

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 +/-..

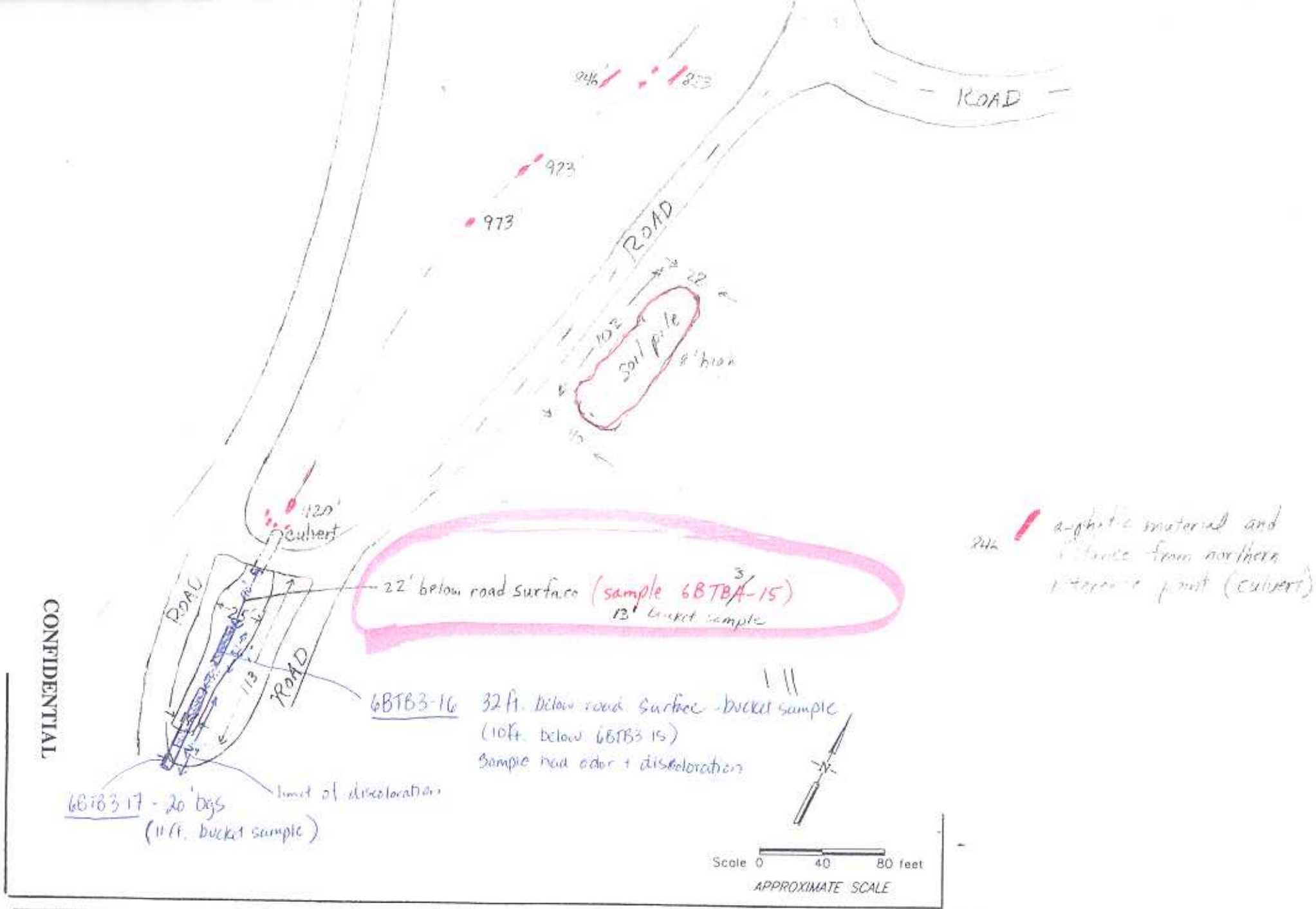
culvert north

TB-3, reference point for creek survey



EXPLANATION

- Soil Boring
- Hand Auger Boring
- Composite Sample



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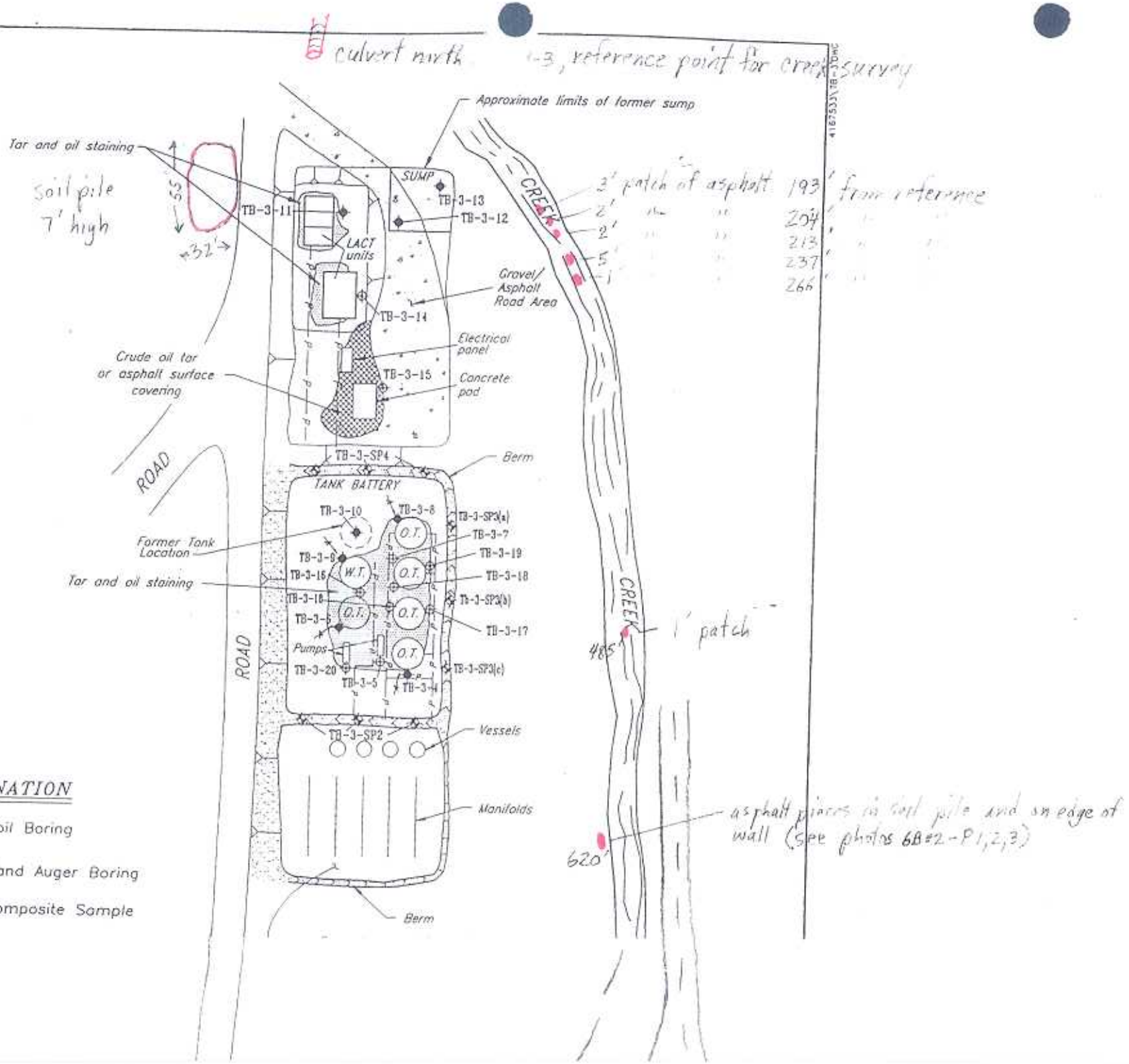
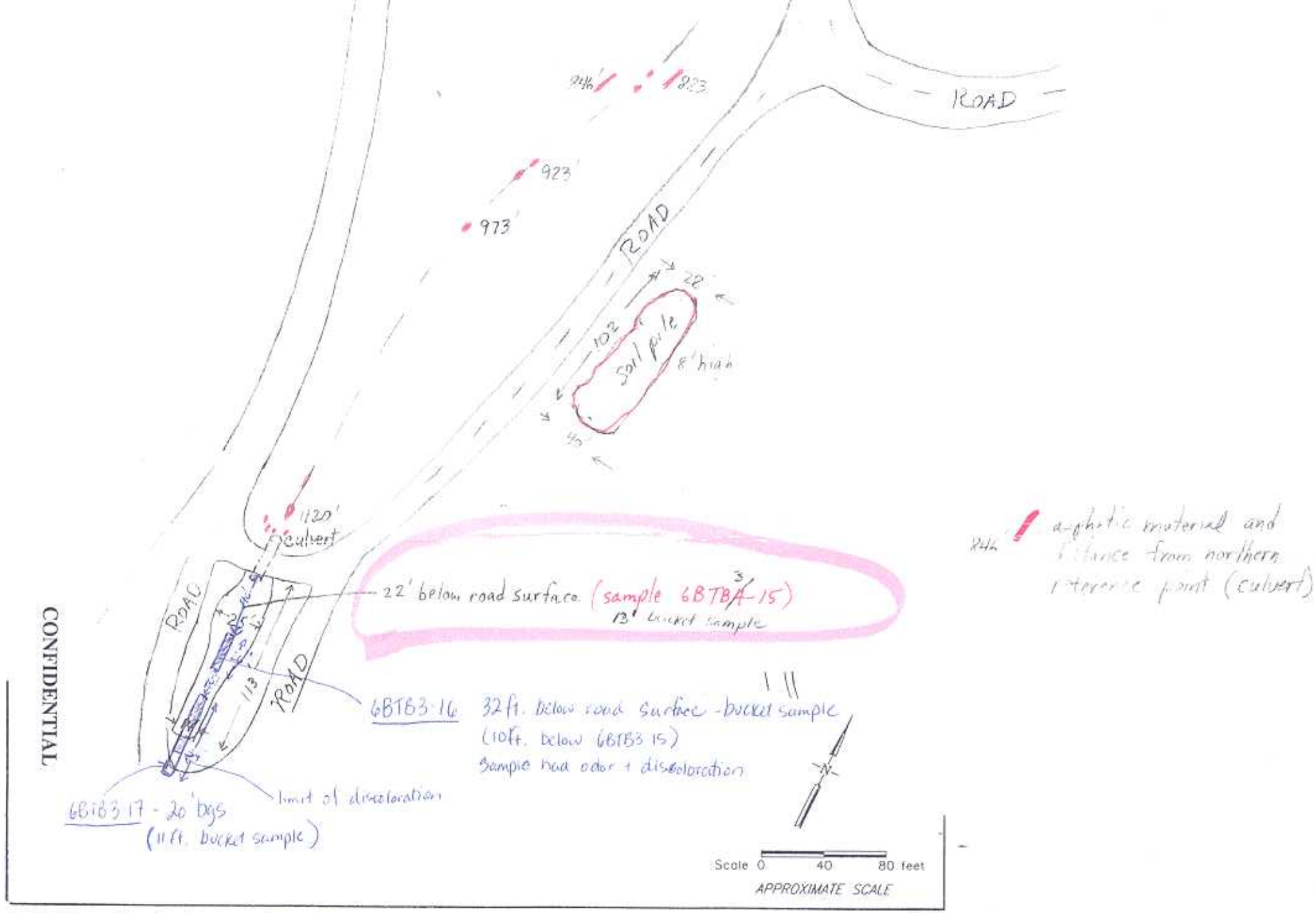
TANK BATTERY No. 3 DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

Rev 9/95

PLATE
6B #2

DRAWN | JOB NUMBER | APPROVED | DATE | REVISED DATE


culvert north
TB-3, reference point for creek survey
Approximate limits of former sump
Tar and oil staining
Soil pile
7' high
55'
32'
SUMP
TB-3-13
TB-3-12
TB-3-11
LACT units
Gravel/ Asphalt Road Area
TB-3-14
Electrical panel
Crude oil tar or asphalt surface covering
TB-3-15
Concrete pad
TB-3-SP4
Berm
ROAD
TANK BATTERY
TB-3-10
TB-3-8
TB-3-SP3(a)
TB-3-7
Former Tank Location
TB-3-9
TB-3-19
TB-3-16
W.T.
O.T.
TB-3-18
Tar and oil staining
TB-3-SP3(b)
TB-3-17
Pumps
TB-3-20
TB-3-5
TB-3-4
TB-3-SP3(c)
TB-3-SP2
Vessels
Manifolds
Berm
CREEK
3' patch of asphalt 193' from reference
2' 204'
2' 213'
5' 237'
1' 266'
1' patch
485'
620'
asphalt pieces in soil pile and on edge of wall (See photos 6B#2-P1,2,3)
EXPLANATION
Soil Boring
Hand Auger Boring
Composite Sample



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

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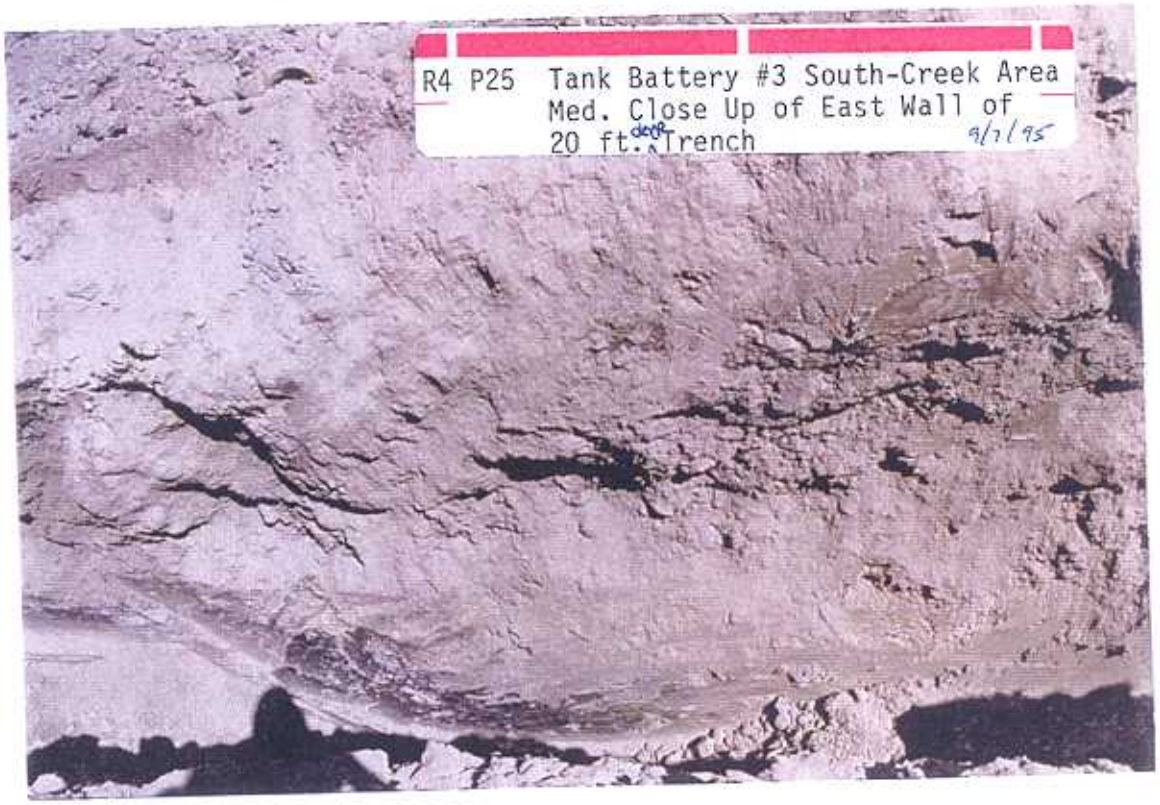
TANK BATTERY No. 3 DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

Rev. 9/95

PLATE
6B #2

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
32 ft. deep trench


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 +/-.

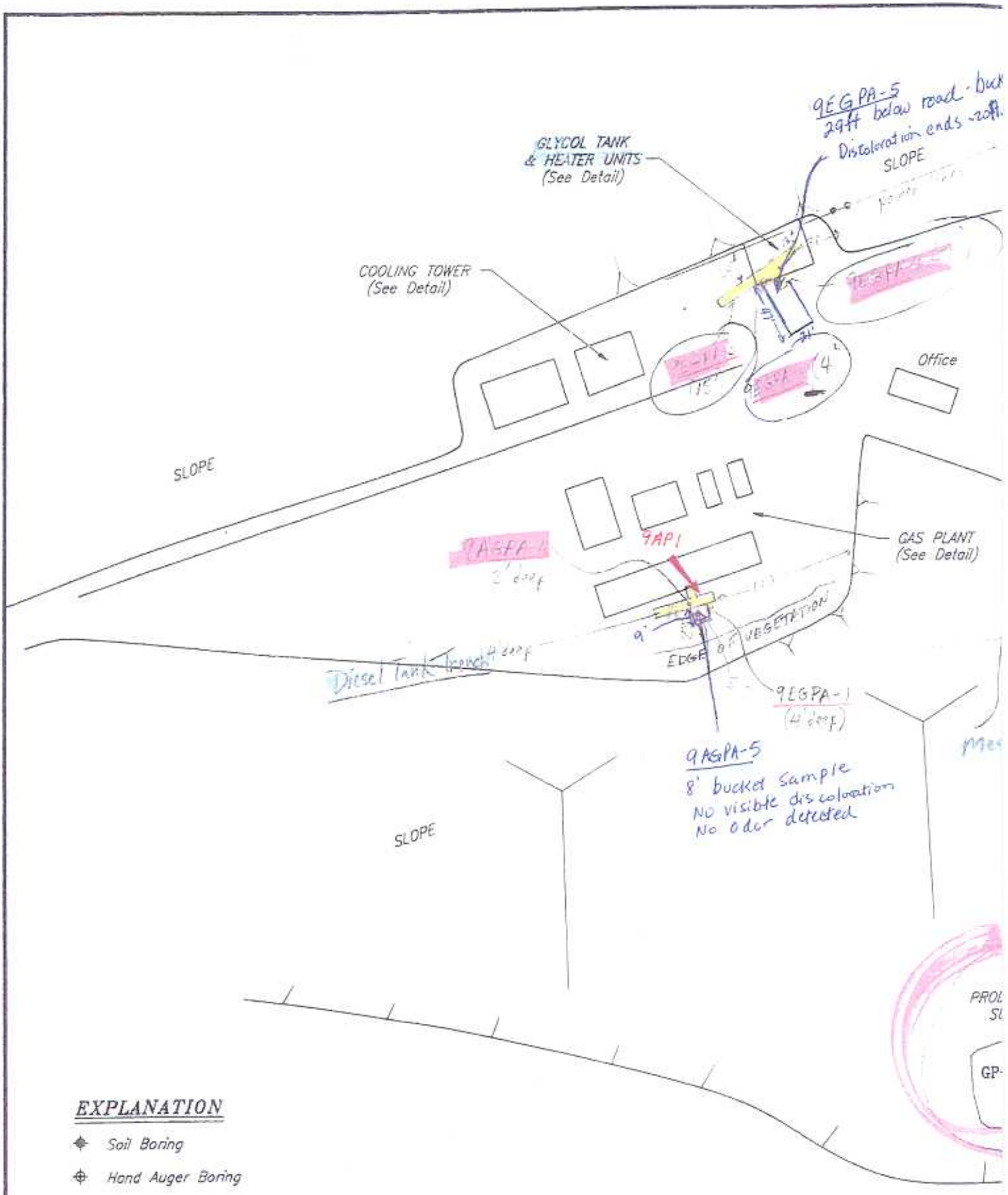
Gas Plant Area - Diesel Tank Area

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 +/-.



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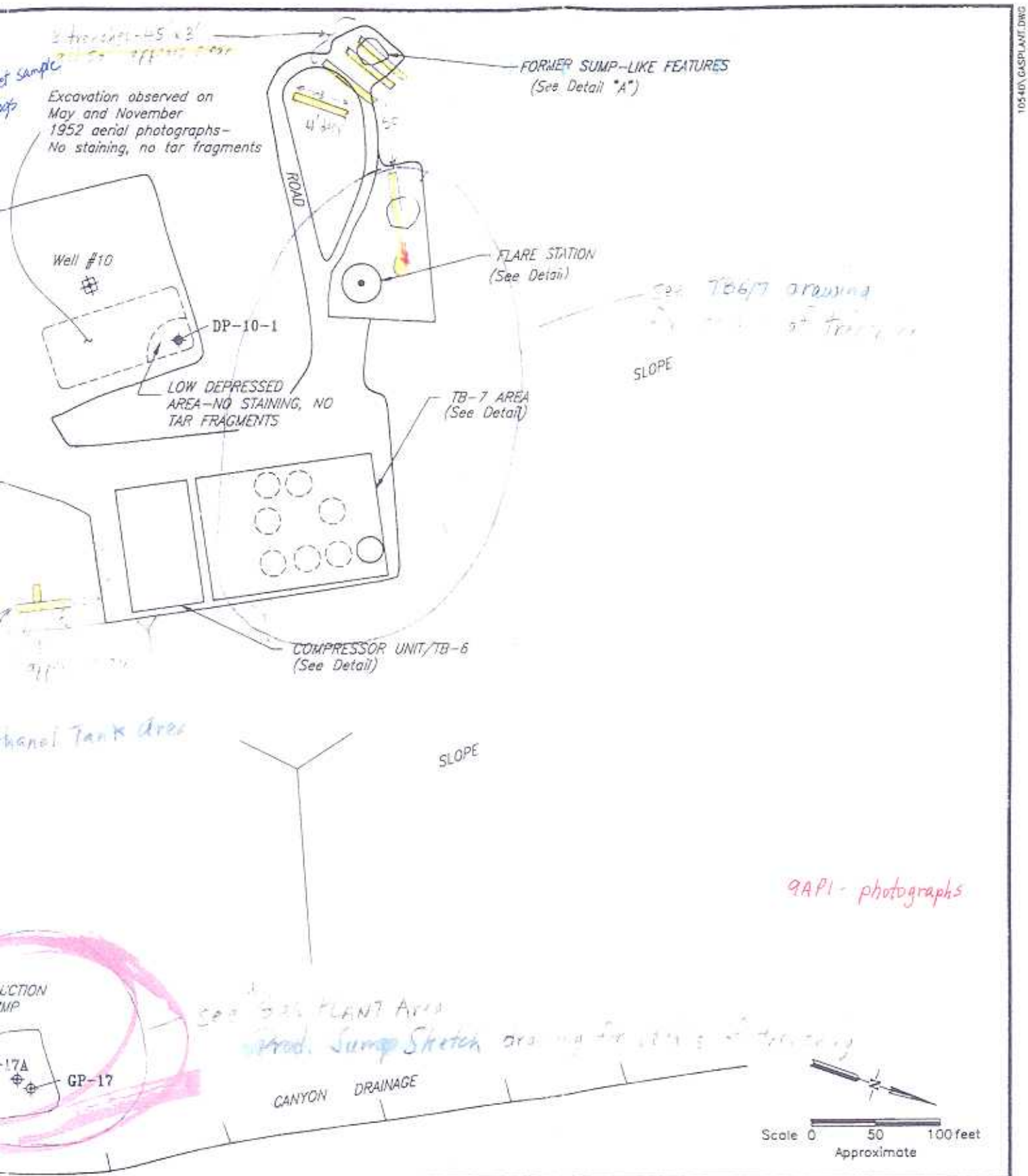
NOTE: General layout per March 1968 Aerial Photograph
shown with modifications from April and July 1992 field mapping b



10540\GASPLANT.DWG

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	

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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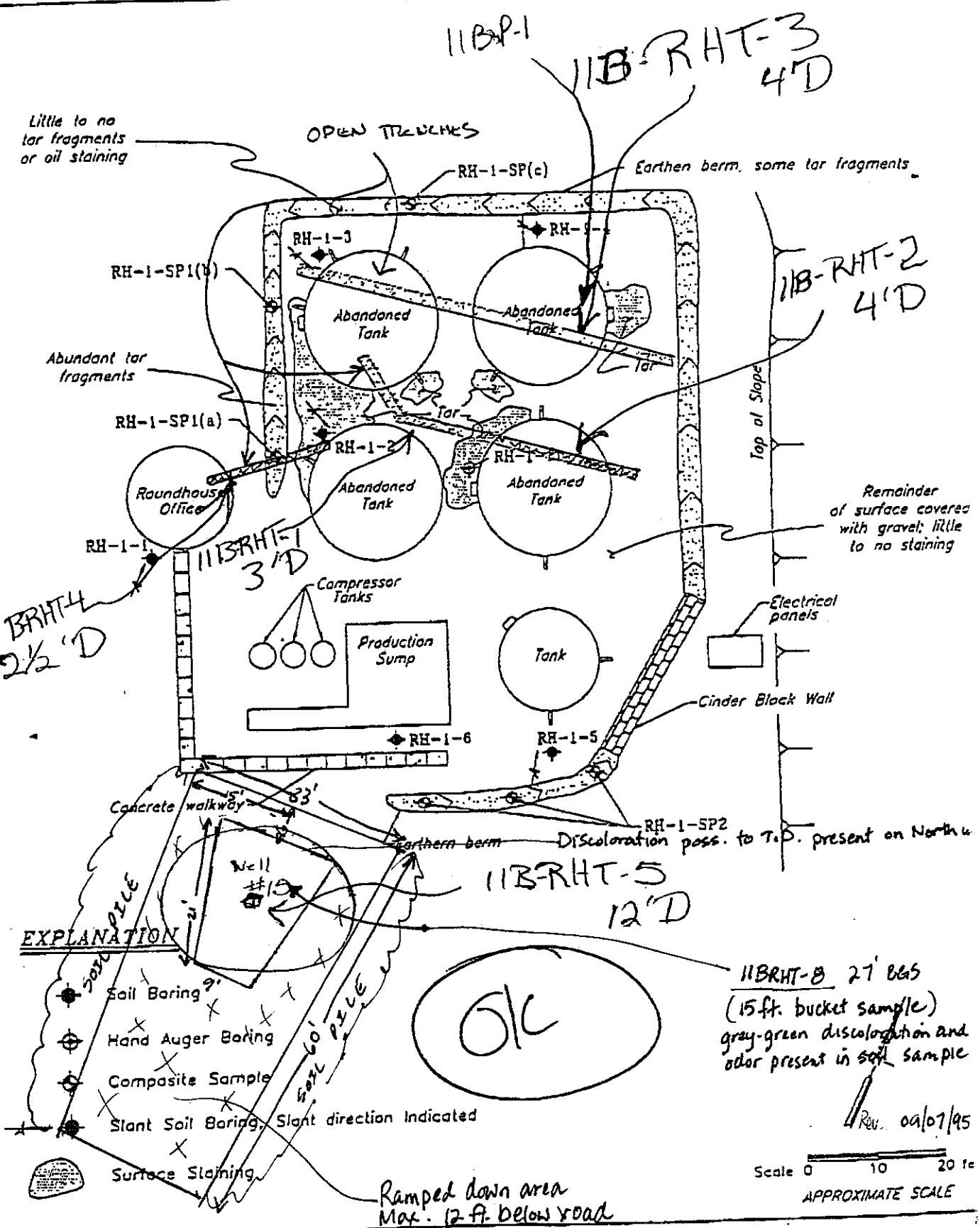

Harding Lawson Associates
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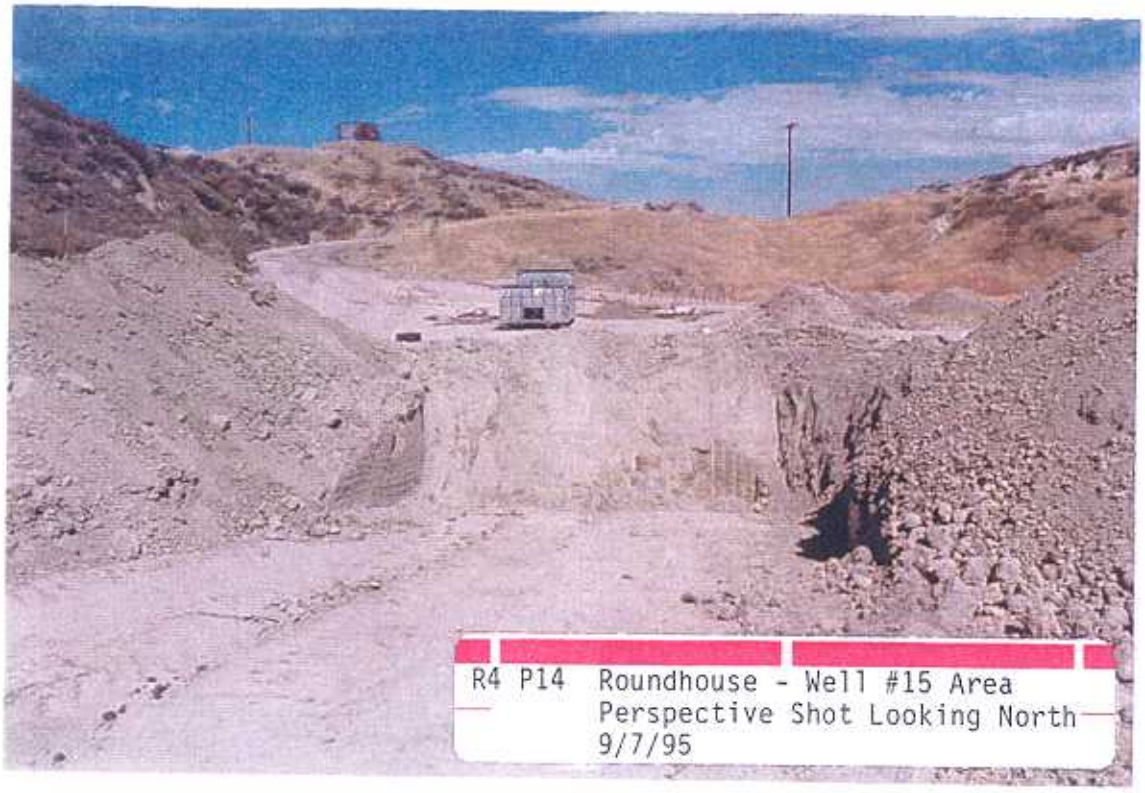
Environmental Services

ROUNDHOUSE TANK BATTERY DETAIL
EXXON CASTAIC JUNCTION
VALENCIA, CALIFORNIA

1

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED
ICM	4167.533.16		5/92	


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

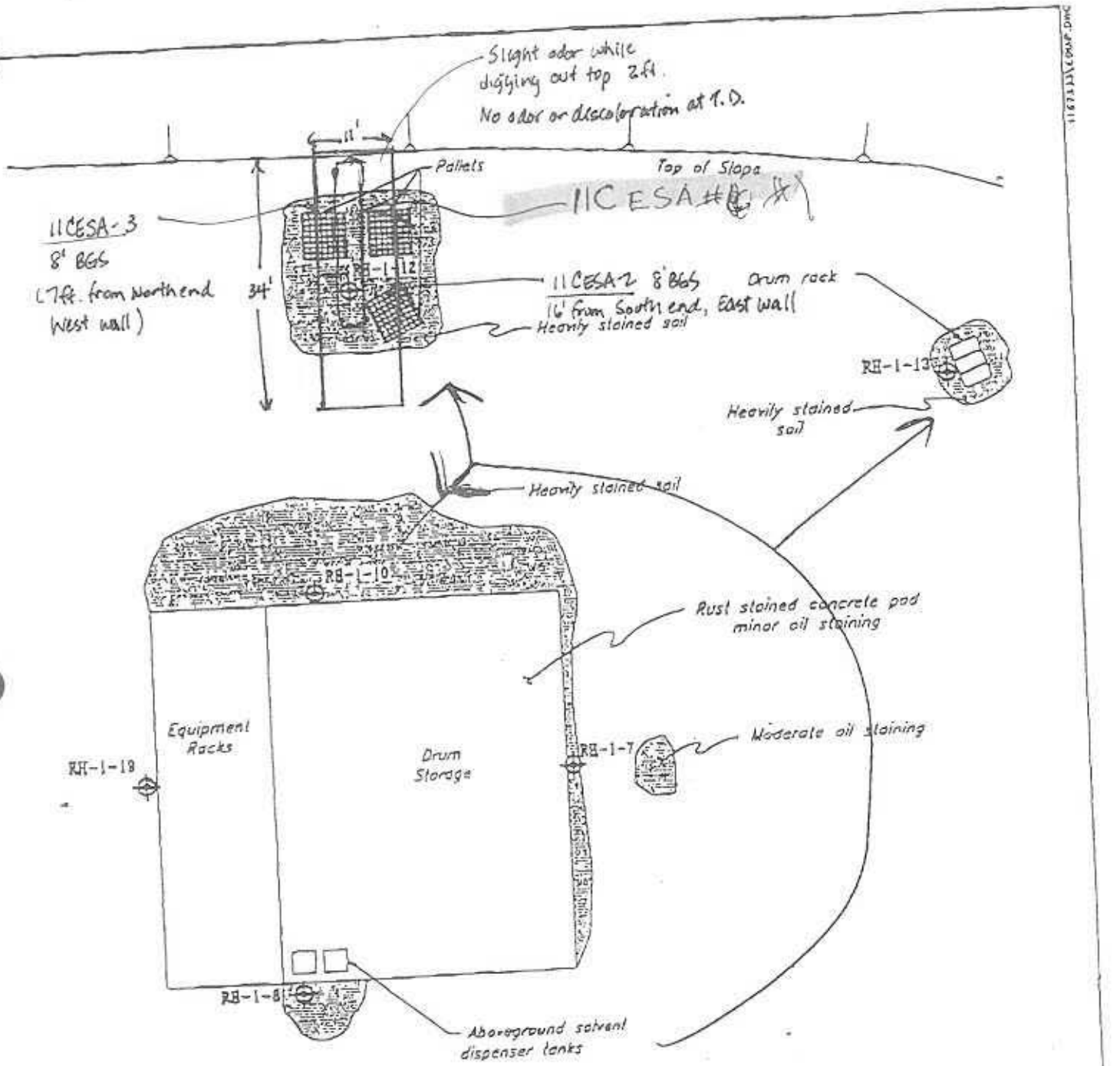


PLATE 11C

Harding Lawson Associates
Engineering and
Environmental Services

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

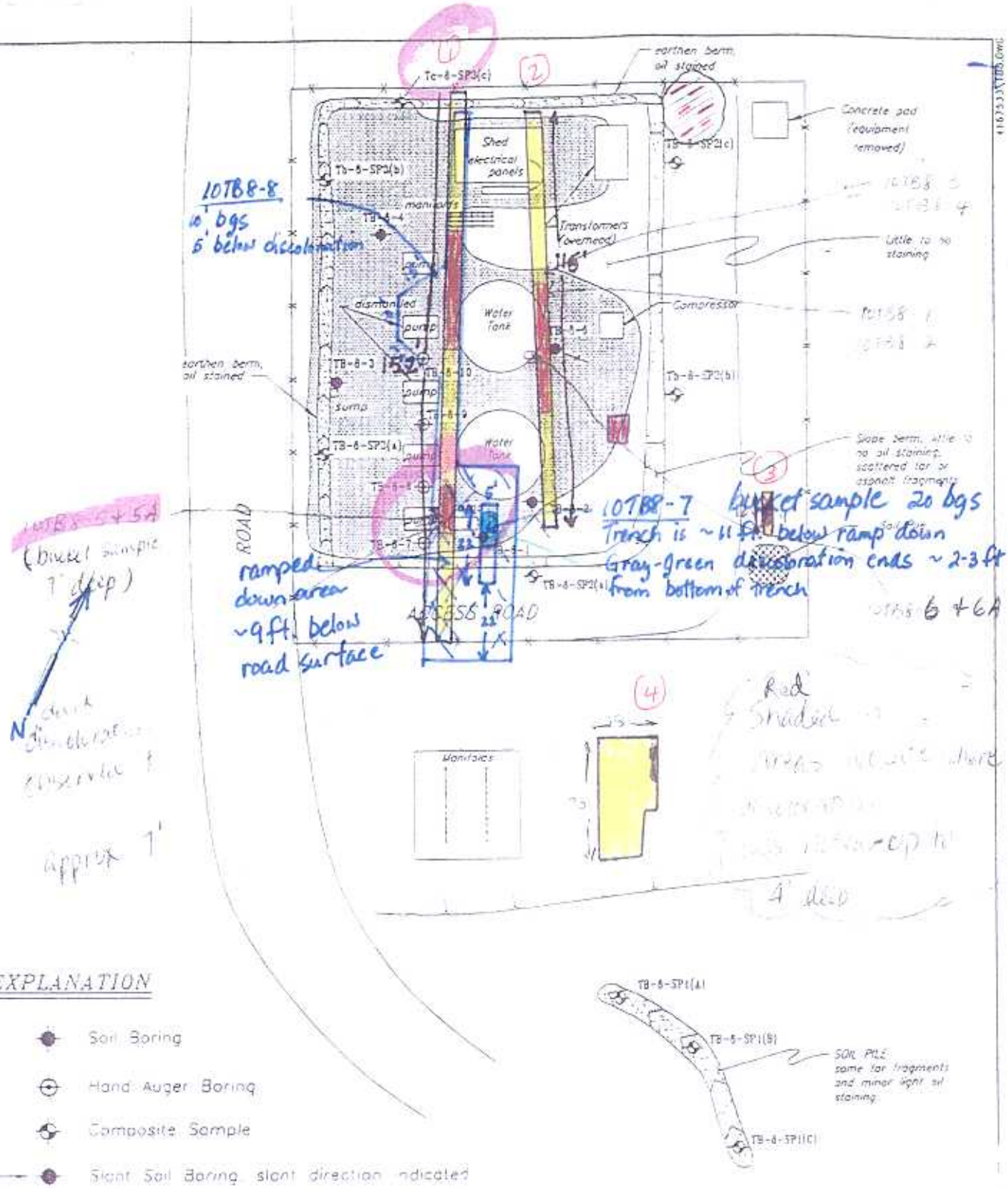
The other area where additional digging was conducted was where discoloration was previously noted in the central -north segment of Trench 1.. No soil samples had been collected previously from this part of Trench 1. See Plate 10 overlay and photo R5 - P3 for the limits of the excavation. Dark brown - 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 ft.
APPROXIMATE SCALE

Harding Lawson Associates
Engineering and

TANK BATTERY No. 8
VALENCIA CALIFORNIA

PLATE 10

Rev. July/August 1995

ER	APPROVED	DATE	REVISED DATE
16		09/07/95	

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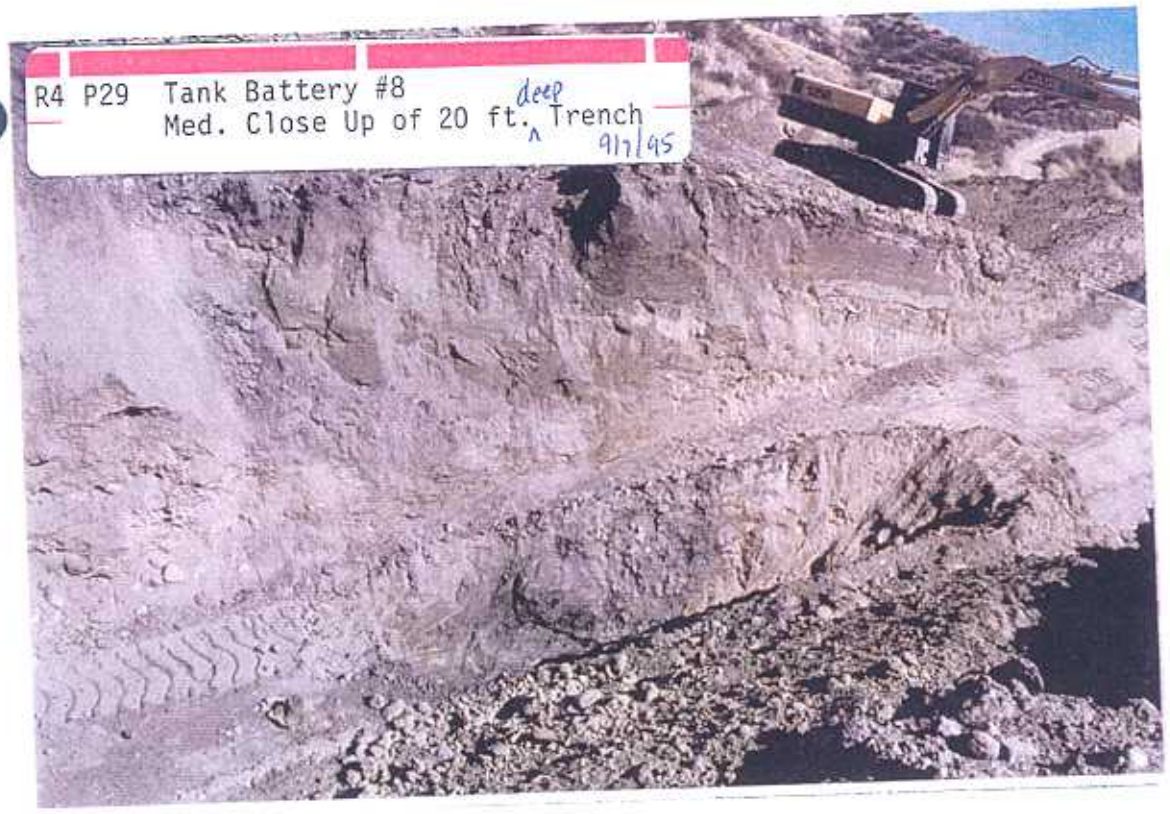
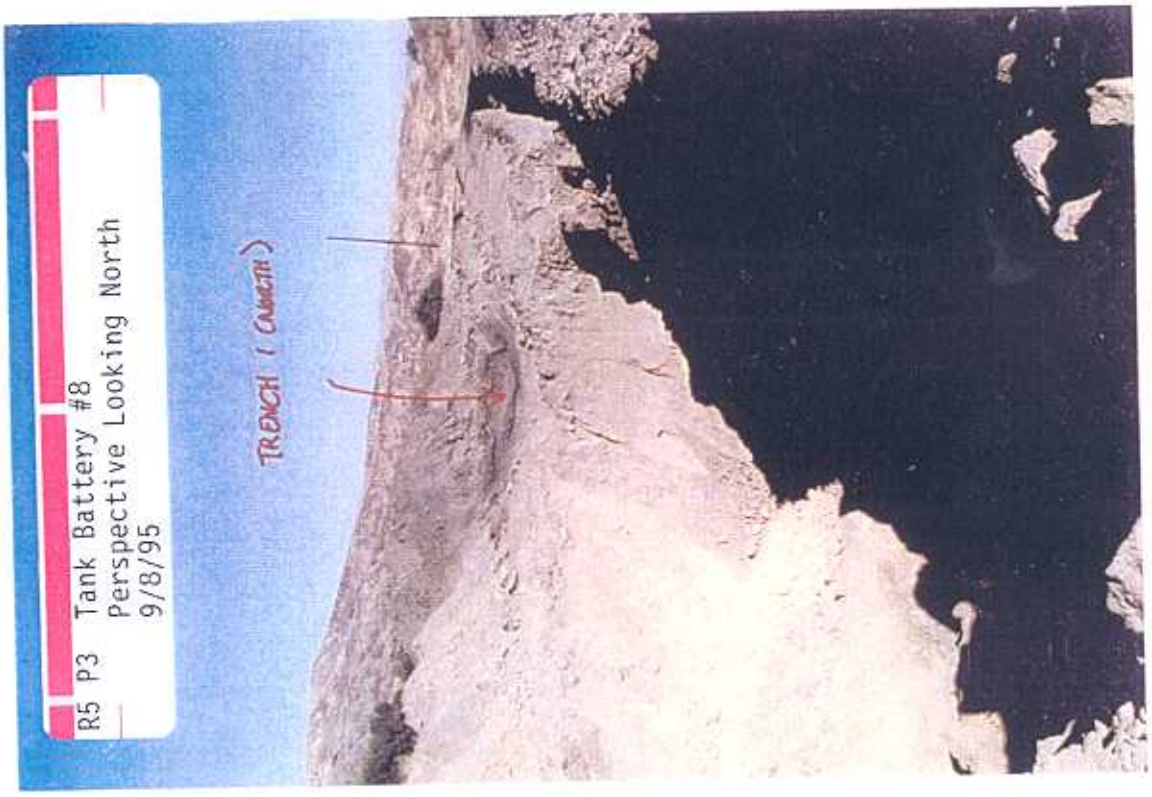
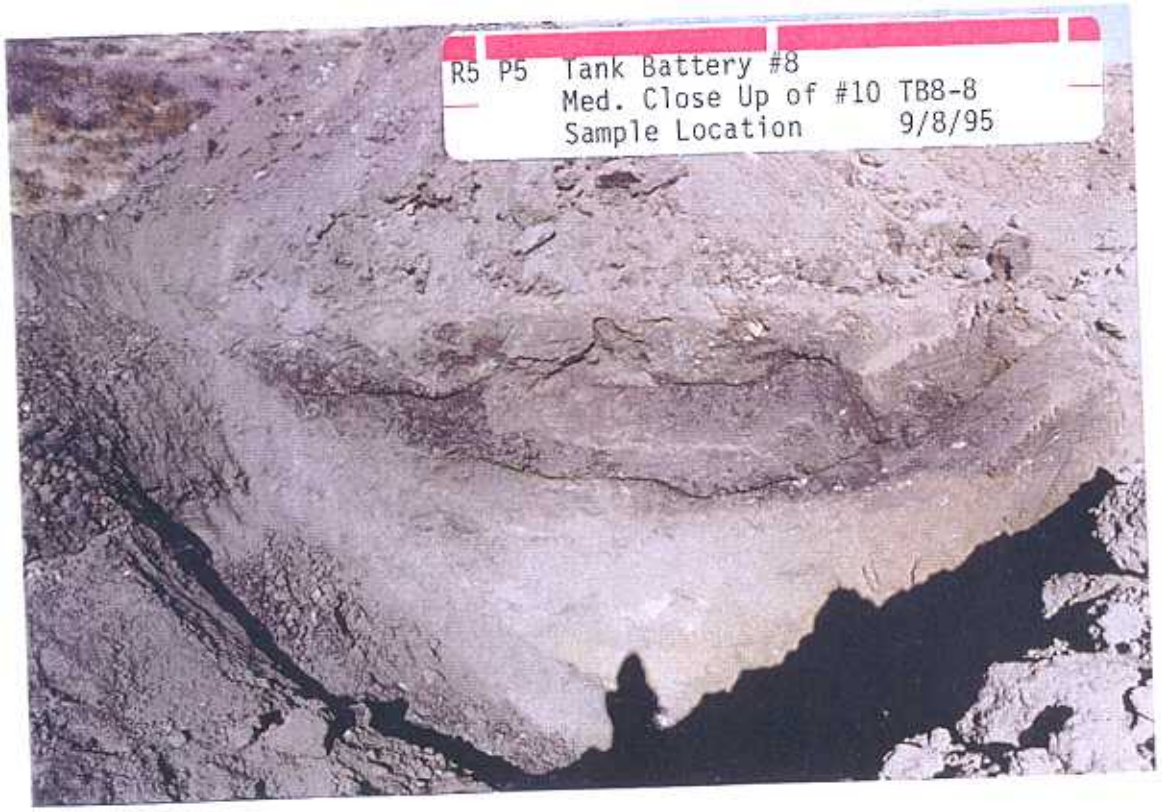
R5 P4 Tank Battery #8
Perspective Looking South
9/8/95
Ramped Berm
Area

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 (CULVERT)


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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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.

CONFIDENTIAL

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.

CONFIDENTIAL

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	
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.

CONFIDENTIAL

PHASE I
ENVIRONMENTAL SITE ASSESSMENT
STEVENSON RANCH — PHASE V
LOS ANGELES COUNTY, CALIFORNIA

Project No. 975048-001

May 14, 1997

Prepared For:

Stevenson Ranch Venture, LLC
15300 Ventura Boulevard, Suite 500
Sherman Oaks, California 91403

May 14, 1997

Project No. 975048-001

To: Stevenson Ranch Venture, LLC
15300 Ventura Boulevard, Suite 500
Sherman Oaks, California 91403

Attention: Teresa Sousa

Subject: Phase I Environmental Site Assessment, Stevenson Ranch - Phase V, Los Angeles County, California

EnviroPacifica, Inc. is pleased to present this Phase I Environmental Site Assessment for the subject property. This ESA was conducted in accordance with our proposal dated March 3, 1997.

If you have any questions regarding this report, please do not hesitate to contact this office. We appreciate the opportunity to be of service.

Respectfully submitted,

ENVIROPACIFICA, INC.

D. Scott Moors, CEG 1901
Project Manager

SM/
Distribution: (3) Addressee
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1. EXECUTIVE SUMMARY

EnviroPacifica, Inc. (EnviroPacifica) performed a Phase I Environmental Site Assessment (ESA) at the Stevenson Ranch - Phase V property in Los Angeles County, California (Figure 1). The purpose of this ESA was to identify recognized environmental conditions on the site. The term *recognized environmental conditions* is defined by ASTM E1527-94 as "the presence or likely presence of any hazardous substances or petroleum products on the 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 ground, ground water, or surface water of the property". The scope of work for this assessment included: records review, site reconnaissance, interviews, and report.

Stevenson Ranch Phase V is located west of the City of Santa Clarita, in Los Angeles County, California (Figure 1 - Site Location Map). Most of the subject site remains essentially in a natural state with the exception of some paved and unpaved access roads and uncertified artificial fills. Numerous oil field production facilities are present throughout the site. Pico Canyon Road crosses the southern portion of the site. The subject tract comprises approximately 1,800 acres.

Based upon the information obtained during the course of this assessment, EnviroPacifica presents the following conclusions:

EnviroPacifica performed a Phase I ESA for the Stevenson Ranch - Phase V property in substantial conformance with the scope and limitations of ASTM E1527-94. This assessment revealed no evidence of recognized environmental conditions in connection with the property except for the following:

- The presence of twenty five exploration or production oil wells on the property represent a recognized environmental condition. Past drilling practices often resulted in environmental contamination at drill sites, especially in the well cellars and sumps, and along drill-site access roads. In addition, oil field pipelines sometimes break or leak, releasing crude oil to the environment. While no direct evidence of significant contamination was discovered on the site, the presence of sumps and petroleum hydrocarbon-impacted soil should be anticipated in the immediate vicinity of the oil wells and pipelines.
- California Division of Oil, Gas, and Geothermal Resources (CDGGR) records document the presence of twenty five oil wells on the site. There is a possibility of additional, undocumented oil wells on the site. The Newhall-Potrero oil field is an old field and early exploratory wells may be undocumented. Additional assessment prior to grading, possibly including additional aerial photograph analysis or a low-level geophysical over-flight of the site, may help identify the presence of undocumented oil wells.
- Of the twenty five documented oil wells on the site, approximately nine wells have not been abandoned and should eventually be abandoned by the oil field operator(s). Of the 16 remaining wells that have reportedly been previously abandoned, approximately six will likely require reabandonment. Those six wells were abandoned prior to current CDGGR standards.
- Metal debris was noted in a canyon immediately north of the Ferguson 10 oil well. Although no other evidence of significant solid waste disposal was discovered during this investigation, solid waste disposal practices are often poorly documented and onsite disposal of solid wastes (e.g. wooden derricks, etc.) was common during the period of oil exploration activity on the site. Therefore, a possibility exists that undiscovered areas of solid waste disposal (i.e. unpermitted landfills) associated with the former oil exploration activities may be present on the site.

- Fibrous, friable material was observed coating a wooden retaining structure at one of the electric towers in the northeastern portion of the site. This material may contain friable asbestos.
- In general, the cost of abandonment and cleanup/remediation of oil field related facilities should be borne by the responsible oil companies. The cost for the reabandonment of wells that were previously abandoned in accordance with appropriate standards of the day are typically borne by the developer. For some of the older onsite wells that were abandoned prior to 1960 (approximately six wells), payment or cost recovery for reabandonment or cleanup may be difficult or impossible.

Based upon the findings of this assessment, EnviroPacifica recommends the following:

- The CDGGR should be contacted to determine the status and reabandonment requirements, if any, for the oil wells located onsite that were previously abandoned prior to current CDOGGR standards.
- Following receipt of CDOGGR's well reabandonment requirements, a workplan should be developed to reabandon the oil wells.
- A workplan should be developed to assess for oil-well sumps and petroleum hydrocarbon-impacted soil in the vicinity of the former well cellars, tank batteries, and pipelines. This assessment can be conducted either in conjunction with well abandonment activities, initial grading (grubbing) of the site, or separately. The workplan should include establishment of site-specific action levels for crude-oil based petroleum hydrocarbons in soil. Separate action levels may be established for soil located in planned residential areas and non-residential/open-space areas. Discovered sumps and impacted soil should be reported to the appropriate regulatory agency, sampled, and analyzed in accordance with agency requirements.
- Stevenson Ranch Venture LLC should perform third-party oversight of all future oil facility abandonment activities conducted by the oil-field operators. The oil-field operators will typically abandon oil wells to CDOGGR standards but not necessarily to the standards required for a site intended for residential-use development.
- The small stockpile (<10 cubic yards) of dark, discolored soil adjacent to the Ferguson 5 well should be characterized and properly disposed.
- The suspected asbestos-containing material (ACM) observed on the electric-tower retaining wall should be sampled and analyzed for asbestos. If ACM is identified, it should be appropriately mitigated. This work may be performed by the developer or by the utility company.
- The possible presence of oil-field related solid waste, sumps, local areas of petroleum hydrocarbon-impacted soil, and possibly undocumented oil-exploration wells should be anticipated. All areas of the site should be carefully observed during grubbing and grading for evidence of oil-field related contamination.

2. INTRODUCTION

2.1 Authorization

In accordance with Stevenson Ranch Venture LLC's authorization, EnviroPacifica, Inc. (EPI) completed a Phase I ESA of the subject site. This work was conducted in accordance with EPI's proposal dated March 3, 1997, and with Stevenson Ranch Venture LLC's authorization, dated March 10, 1997

2.2 Purpose

The purpose of this ESA was to identify recognized environmental conditions on the site. The term *recognized environmental conditions* is defined by ASTM Standard 1527-94 as "the presence or likely presence of any hazardous substances or petroleum products on the 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 ground, ground water, or surface water of the property". Recognized environmental conditions include hazardous substances or petroleum products even under conditions in compliance with laws. The term does not include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment.

2.3 Scope of Work

The scope of work was performed in accordance with EnviroPacifica's proposal and included the following tasks:

- Records Review;
- Site Reconnaissance;
- Interviews; and
- Report.

This ESA did not include soil, air or water sampling, or investigations for asbestos or radon.

2.4 Limitations and Exceptions

The findings and professional opinions presented in this report are based on the information made available to EPI (in most cases from previous reports supplied by our client, and from public records) and could change if additional information becomes available. In performing our professional services, EPI applied present engineering and scientific judgment and used a level of effort consistent with the standard of practice measured on the date of this report and in the vicinity of the project site for projects of similar scope. EPI makes no warranties, either express or implied, concerning the completeness of the data made available to us for this study. EPI specifically withholds certification of any type concerning the absence of contamination at the site.

2.5 Limiting Conditions and Methodology

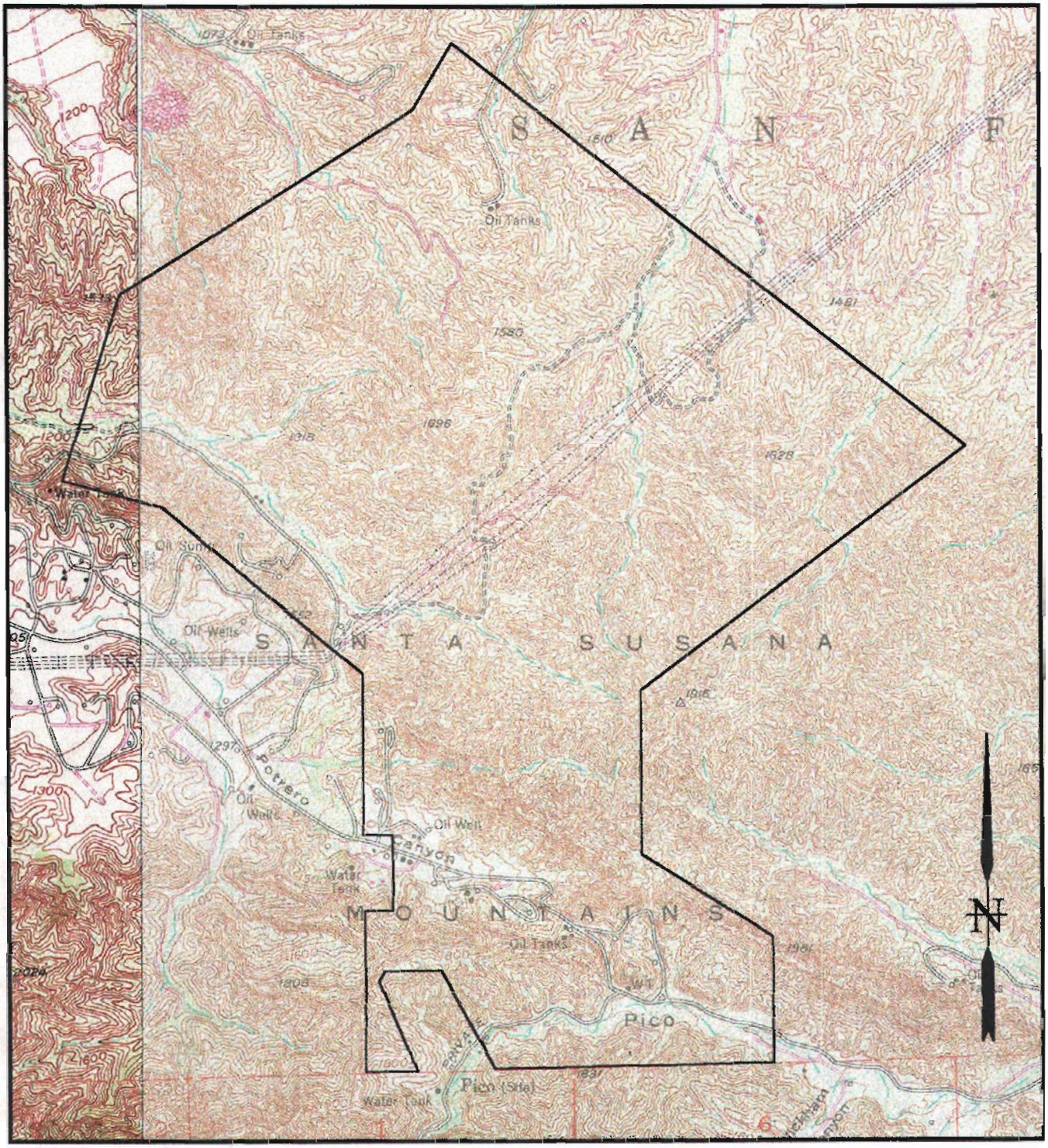
The methodology used during this assessment conforms with current standard of care in the performance of Phase I ESAs in southern California. The list of references used for this study is included as Appendix A. The research of selected government data bases was subcontracted to Environmental Data Resources, Inc. (EDR). A copy of the EDR report is included as Appendix B.

Government records documenting the history of hazardous materials in this area are generally reliable for only the past ten years or less; therefore, undocumented sites or events may exist, and early records of the site may not have been made available by the agencies for review.

Limiting conditions specific to this site include:

- This project site comprises approximately 1,800 acres, most of which is undeveloped and inaccessible. All areas of the site with known historic usage were observed and accessible areas were reconnoitered. Areas concealed by vegetation could not be observed.

- No chain-of-title documents were provided for our review.



0 2000 4000

scale (feet)

SITE LOCATION MAP

Base Maps: U.S.G.S. 7.5-Minute Quadrangles: Newhall, CA 1952 (photorevised 1988), and Val Verde, CA , 1952 (photorevised 1969)

STEVENSON RANCH - PHASE V
Los Angeles County, California

Project No: 975048-001

Figure No. 1

ENVIROPACIFICA

3. SITE DESCRIPTION

3.1 Site Location

Stevenson Ranch, Phase V, is located west of the City of Santa Clarita, in Los Angeles County, California (Figure 1).

3.2 Site and Vicinity Characteristics

Most of the subject site and vicinity remains essentially in a natural state. The site comprises approximately 1,800 acres. Residential development comprising previous phases of the Stevenson Ranch project exists southeast of the upper eastern portion of the Phase V property. The remaining surrounding properties are primarily undeveloped with scattered oil production facilities.

3.3 Onsite Structures and Improvements

The subject site is primarily undeveloped, vacant land. Pico Canyon Road and Potrero Canyon Road cross the southern portion of the property and several unpaved roads are present onsite. Numerous oil-field facilities, including 25 abandoned, idle, and active oil wells, oil-field pipelines, and oil-field tanks are currently, or have previously been located on the site. A cut-and-cover natural gas pipeline crosses the site along with above ground high-voltage power lines supported by numerous tower structures. A fenced area with several trailers is located on the north side of Pico Canyon Road approximately 500 feet east of Potrero Canyon road.

3.4 Current Uses of the Property

The subject site is mostly undeveloped vacant land. Portions of the site are used for oil production, limited cattle grazing, and beekeeping. The fenced area located on the north side of Pico Canyon Road approximately 500 feet east of Potrero Canyon road is used as a recycling materials collection and sorting facility. The pad area immediately north of the recycling facility is used for material storage.

3.5 Past Uses of the Property

Based on interviews and aerial photographs, the subject site was mostly undeveloped vacant land used for oil exploration and grazing. An unidentified building was present in 1938 on the north side of Pico Canyon Road just east of Mentryville.

3.6 Current and Past Uses of Adjoining Properties

With the exception of developed portions of Stevenson Ranch, adjoining properties are primarily undeveloped land. The park site of Mentryville, a museum-style oil-field town adjoins the site to the southwest. Oil-well maps indicate that numerous oil wells and/or abandoned dry-hole oil wells are present on surrounding properties.

4. RECORDS REVIEW

4.1 Standard Environmental Record Sources

A search of selected government databases was conducted for EPI by Environmental Data Resources, Inc. (EDR). Details of the database search along with descriptions of each database researched are provided in EDR's report (Appendix B). Figures 2 and 3 of the EDR report show the subject site and nearby properties listed on the databases that are within a 3-mile radius of the center of the subject site.

Review of the EDR report, indicates that no database listings (finds) are located on the subject site. EDR reported 4 sites with 4 database listings within 3-mile radius of the center of the site. One site with four database listings is mapped within 3-mile of the site center of the site.

The one nearby site with four database listings (A1, A2, A3, and A4) is located at 26835 Pico Canyon Road and is listed with the following names: Tidelands Oil Production Company, Southern California Gas Company, Sun Gas Co., Newhall Gas Plant, Gas Plant. This site is listed on the HAZNET, LUST, RCRIS-LQG, and FINDS databases. The location of this site may not be accurately plotted on EDR's map and is most likely located on Potrero Canyon Road. Database records indicate that no remedial action is required for this site.

EDR's Orphan List notes 7 sites that, for multiple reasons (incomplete address, etc.), cannot be plotted on the EDR Map. None of the Orphan List sites represent an obvious potential environmental concern to the subject site.

4.2 Physical Setting Sources

U.S.G.S. 7.5-Minute topographic maps, Val Verde, CA, 1952, (photorevised, 1969, 1988), Newhall, CA, 1952 (photorevised in 1988) and Oat Mountain, CA, 1952 (photorevised in 1969) were reviewed. The USGS maps are used as the base map for the Site Location Map (Figure 1).

No structures other than roads and oil-field related tanks and wells (shown on Plate 1) were depicted on the USGS maps.

The 400-scale and 200-scale site plans supplied by Stevenson Ranch Venture, LLC were also reviewed. The 400-scale map is used as the base map for the Site Reconnaissance Map (Plate 1). A small, closed depression was noted on the maps just south of Pico Canyon Road approximately 100 yards east of the site boundary adjoining Mentryville. The depression may represent an oil-field sump.

4.3 Historical Use Information

4.3.1 Aerial Photographs

Historical aerial photographs were reviewed for information regarding past site uses. Aerial photographs were reviewed for the following years: 1938, 1952, 1981 and 1997. References are provided in Appendix A.

1938: The site was mostly undeveloped in 1938. Pico Canyon Road was present on the south end of the site. The power-line access road crosses the site and pads were present

at the electric-tower sites. No oil wells or other structures were apparent. The "Gerard 1" oil well reportedly drilled in 1936 and located south of Pico Canyon Road was not apparent at the location of record. A small, poorly defined, cleared area was observed south of Pico Canyon approximately 1000 feet east of the CDOG's location of record for that well. A rectangular building is present just north of Pico Canyon Road between the cutoff to Potrero Canyon Road and Mentryville. The surrounding area was undeveloped land.

1952:. The site appears essentially as does today. Most oil wells had been drilled. Indications of former or active sumps (i.e. dark areas) are evident at some oil well sites. The building noted in the 1938 photo located between Mentryville and Potrero Canyon Road is not longer present but a small circular soil disturbance was noted.

1981: The cut-and-cover gas pipeline had been installed.

1997: The site appears as it does today in this very recent photograph.

The oil field facilities observed in the aerial photographs constitute a recognized environmental condition on the site. No other indications of recognized environmental conditions were noted on the property in the aerial photographs reviewed.

4.3.2 Oil Field Records

A review of oil-field maps (Munger, 1990, CDGGR Oil field maps 253, 254, 255) indicates that there were twenty five documented oil wells drilled onsite. Oil well information obtained is summarized in Table 1 and on the Site Reconnaissance Map (Plate 1).

The documented presence of former oil wells on the site represent a recognized environmental condition.

4.3.3 Additional Record Sources

Previous Environmental Reports: EPI reviewed previous reports prepared by others and supplied by Stevenson Ranch Venture, LLC.

- ATC Environmental Inc., 1990; Draft Limited Environmental Assessment, Stevenson Ranch, Parcel V: ATC's limited ESA included a limited Phase I ESA and collection and analysis of 11 hand-auger soil samples. Maximum Total (Recoverable) Petroleum Hydrocarbon concentration reported was 115 milligrams per kilogram. ATC presented the following 3 recommendations: 1) "any grading activities to be conducted in the areas of the twenty-five suspected oil exploration/development be conducted in accordance with the soil-monitoring workplan ..."; 2) "the contaminated soil and the asphaltic material in the area of the former oil storage tanks located at the north apex of the site be remediated". *(The oil tanks in this area have subsequently been abandoned and the pad area was disced.)*; and 3) "after removal of the Oryx Energy production facilities, additional soil sampling and analysis be performed to evaluate the potential presence of soil contamination ...".

- Dames and Moore, 1989; Final Report, Status of Oil and Gas Wells on Parcel V, Stevenson Ranch: Dames and Moore's report documented the presence of 25 oil wells on Parcel V (*see Table 1 and Plate 1 - this report)* and presented four conclusions and recommendations: 1) "an effort should be made to insure that future structures are not located directly over abandoned oil wells ..."; 2) "continue the dialogue began with Oryx Energy Company regarding cooperation in future well abandonments ..."; 3) "provide requested information to the D.O.G. on all currently abandoned wells for a determination of reabandonment obligations"; and 4) "(b)e aware that old undocumented oil well locations may be encountered during grading ...".

Los Angeles County Building Department - EPI contacted the Los Angeles County - Building Department (Valencia office) to review the building permits for the subject property. The Building Department informed EPI that there were no building permits available for the subject property.

TABLE 1
Summary of Oil Well Data: Stevenson Ranch - Phase V

Oil Well ID	Year Drilled	Total Depth	Status	Year Abandoned	Comments	Road Access
Ferguson 1	1941	7519	pumping	--	Two small ASTs next to well	Yes
Ferguson 2	1944	7114	capped	--	Overgrown, well cellar exposed	Limited
Ferguson 3	1947	9147	idle	--	--	Yes
Ferguson 4	1948	8985	capped	--	Water injection ???	Yes
Ferguson 5	1948	7285	pumping	--	small stockpile of stained soil on pad	Yes
Ferguson 6	1949	7295	capped	--	--	Yes
Ferguson 7	1950	7409	capped	--	--	Yes
Ferguson 8	1950	7459	pumping	--	--	Yes
Ferguson 9-2	1950	7266	abandoned	?	no sign of well on pad used for stroage	Yes
Ferguson 10	1951	10526	pumping	--	metal debris in canyon behind well	Yes
Ferguson 1-7	1958	11648	abandoned	1959	no sign of well observed on overgrown pad	No
Shell Ferguson 2-7	1959	12464	abandoned	1959	no sign of well observed on overgrown pad	No
NC Wolfson 1	1940	9508	abandoned	1945	steel pipe sticks up in overgrown pad	Limited
NC Wolfson 2-7	1949	12428	abandoned	?	steel pipe sticks up in overgrown pad	Yes
NC Wolfson 3-5	1950	11044	abandoned	1989	steel pipe sticks up in overgrown pad	Limited
NC Wolfson 4-5	1950	10658	abandoned	1989	steel pipe sticks up in overgrown pad	Limited
NC Wolfson 5-5	1951	10526	abandoned	?	steel pipe sticks up in overgrown pad	Yes
NC Wolfson 6-7	1957	12361	abandoned	?	beehives on pad	Yes
Newhall Corp 1	1951	10901	abandoned	?	empty disc'd pad	Yes
Newhall Corp 2	1951	12634	abandoned	?	pad with beehives	Yes
Newhall Corp 3	1955	11250	abandoned	1988	empty disc'd pad	Yes
Sunray McCulloch NCS 1	1957	13808	abandoned	1958	no sign of well observed on overgrown pad	No
MuCulloch NC 1	1958	13038	abandoned	1958	Well cellar exposed	No
Gerard 1	1936	960	?	?	No evidence of Well	No

5. SITE RECONNAISSANCE

On April 29, and May 6, 1997, EPI staff visited the site to assess current site utilization, to locate possible surface contamination source areas, and to look for indications of potential subsurface contamination. Only those areas of the site that were readily accessible (i.e. accessible roads and some overgrown roads and trails) were observed.

5.1 Hazardous Substances in Connection with Identified Uses

The site has a long history of oil exploration, including production oil wells, oil pipelines, and oil storage facilities. Twenty five oil exploration and/or production wells are reportedly present on the site. Documented oil-well locations are depicted on the Site Reconnaissance Map (Plate 1) and to status of each well, based on field observations is noted in Table 1.

Relatively minor areas of stained soil were observed in the immediate vicinity of some of the operating and idle oil wells. No areas of extensively stained soil were observed. A small stockpile (<10 cubic yards) of dark, discolored soil was noted adjacent to the Ferguson 5 well.

Some indications of abandoned sumps were noted adjacent to oil wells including slight topographic depressions and dark areas on aerial photographs. The presence of abandoned sumps is likely at all oil-well locations. Oil-field sumps commonly contain elevated concentrations of petroleum hydrocarbons and metals, especially barium.

Oil-field pipelines cross many areas of the site. No areas of significantly stained soil were noted adjacent to pipelines however our observations were limited by access, terrain, and vegetation.

In addition to crude oil produced by the oil wells, oil-field operations typically use other petroleum products (e.g. diesel fuel for pump engines, etc.) and chemicals (e.g. pipe dope, dilutants, etc.).

Possible friable asbestos-containing material was noted on a wooden retaining structure at one of the electric tower pylons in the northeastern portion of the site (see Plate 1). The material was fibrous, greenish white, and very friable. It appeared to have been applied as a fire retardant to the wooden retaining structure.

A cut-and-cover, high-pressure, natural-gas pipeline crosses the site diagonally from the southwest to the northeast.

No other evidence of the use or storage of hazardous materials was noted.

5.2 Hazardous Substance Containers and Unidentified Substance Containers

No hazardous substance containers or unidentified substance containers were observed on the subject site other than those discussed below.

5.3 Storage Tanks

Several Above-Ground Storage Tanks (ASTs) are, or have been, present on the site. The F-4 Tank Battery, adjacent to the Ferguson-4 oil well, is the only remaining AST battery on the site. Two large ASTs are present and appear to be partially filled with crude oil. One small AST stored in a plastic secondary containment basin is adjacent to the large tanks. The small AST was not labeled and its contents are unknown. No evidence of stained or odorous soil or of stressed vegetation was observed at the F-4 tank battery site.

Tank batteries were previously located adjacent to the Ferguson-1 oil well, in the NC Wolfson canyon, and near the northern apex of the site. All of these sites are abandoned and the pad areas disc'd. No evidence of stained or odorous soil was observed at these sites.

No Underground Storage Tanks (USTs) or evidence of former USTs were observed on the site.

5.4 Indications of Polychlorinated Biphenyls (PCBs)

No evidence of leaking, PCB-containing pad- or pole-mounted transformers, fluorescent-light ballasts or other PCB-containing equipment was noted.

5.5 Indications of Solid Waste Disposal

The presence of 25 oil wells indicate the likely presence of abandoned oil-field sumps on the site. Oil-field sumps may contain elevated concentrations of petroleum hydrocarbons, metals-especially barium, and sometimes other chemical compounds. In general sumps associated with production wells are of greater concern than sumps associates with "dry holes".

Abandoned metal debris (> 1 ton) was observed in a canyon immediately north of the Ferguson 10 oil well.

No other indications of buried or significant solid waste disposal were observed on the site. However, note that past oil field practices commonly disposed of oil-field waste materials (e.g. wooden derricks, wire rope, concrete, etc.) in undocumented areas local to the oil-field sites. Undocumented and unobserved areas of solid-waste disposal may be present on the site.

6. INTERVIEWS

EnviroPacifica conducted interviews with persons having knowledge of current or past site usage. Interviews were conducted either telephonically or in the form of a written questionnaire. The following persons were interviewed:

- Mr. Jeff Stevenson - Dale Poe Development Corp., Vice President

Mr. Stevenson has worked on the Stevenson Ranch site since it was acquired by Dale Poe Development in 1979. Mr. Stevenson knew of no environmental concerns on the site other than the presence of oil-field facilities. Past site use has included only limited cattle grazing, bee-keeping, and oil exploration and production.

7. CONCLUSIONS, AND RECOMMENDATIONS

7.1 Conclusions

Based upon the information obtained during the course of this assessment, EnviroPacifica presents the following conclusions:

EnviroPacifica performed a Phase I ESA for the Stevenson Ranch - Phase V property in substantial conformance with the scope and limitations of ASTM Practice E1527-94. This assessment revealed no evidence of recognized environmental conditions in connection with the property except for the following:

- The presence of twenty five exploration or production oil wells on the property represent a recognized environmental condition. Past drilling practices often resulted in environmental contamination at drill sites, especially in the well cellars and sumps, and along drill-site access roads. In addition, oil field pipelines sometimes break or leak, releasing crude oil to the environment. While no direct evidence of significant contamination was discovered on the site, the presence of sumps and petroleum hydrocarbon-impacted soil should be anticipated in the immediate vicinity of the oil wells and pipelines.
- California Division of Oil, Gas, and Geothermal Resources (CDGGR) records document the presence of twenty five oil wells on the site. There is a possibility of additional, undocumented oil wells on the site. The Newhall-Potrero oil field is an old field and early exploratory wells may be undocumented. Additional assessment prior to grading, possibly including additional aerial photograph analysis or a low-level geophysical over-flight of the site, may help identify the presence of undocumented oil wells.
- Of the twenty five documented oil wells on the site, approximately nine wells have not been abandoned and should eventually be abandoned by the oil field operator(s). Of the 16 remaining wells that have presumably been previously abandoned, approximately six will likely require reabandonment. Those six wells were abandoned prior to current CDGGR standards.
- Metal debris was noted in an canyon immediately north of the Ferguson 10 oil well. Although no other evidence of significant solid waste disposal was discovered during this investigation, solid waste disposal practices are often poorly documented and onsite disposal of solid wastes (e.g. wooden derricks, etc.) was common during the period of oil exploration activity on the site. Therefore, a possibility exists that undiscovered areas of solid waste disposal (i.e. unpermitted landfills) associated with the former oil exploration activities may be present on the site.
- Fibrous, friable material was observed coating a wooden retaining structure at one of the electric towers in the northeastern portion of the site. This material may contain friable asbestos.

- In general, the cost of abandonment and cleanup/remediation of oil field related facilities should be borne by the responsible oil companies. The cost for the reabandonment of wells that were previously abandoned in accordance with appropriate standards of the day are typically borne by the developer. For some of the older onsite wells that were abandoned prior to 1960 (approximately six wells), payment or cost recovery for reabandonment or cleanup may be difficult or impossible.

7.2 Recommendations

Based upon the findings of this assessment, EnviroPacifica recommends the following:

- The CDGGR should be contacted to determine the status and reabandonment requirements, if any, for the oil wells located onsite that were previously abandoned prior top current CDOGGR standards.
- Following receipt of CDOGGR's well reabandonment requirements, a workplan should be developed to reabandon the oil wells.
- A workplan should be developed to assess for oil-well sumps and petroleum hydrocarbon-impacted soil in the vicinity of the former well cellars, tank batteries, and pipelines. This assessment can be conducted either in conjunction with well abandonment activities, initial grading (grubbing) of the site, or separately. The workplan should include establishment of site-specific action levels for crude-oil based petroleum hydrocarbons in soil. Separate action levels may be established for soil located in planned residential areas and non-residential/open-space areas. Discovered sumps and impacted soil should be reported to the appropriate regulatory agency, sampled, and analyzed in accordance with agency requirements.
- Stevenson Ranch Venture LLC should perform third-party oversight of all future oil facility abandonment activities conducted by the oil-field operators. The oil-field operators will typically abandon oil wells to CDOGGR standards but not necessarily to the standards required for a site intended for residential-use development.
- The small stockpile (<10 cubic yards) of dark, discolored soil adjacent to the Ferguson 5 well should be characterized and properly disposed.
- The recycling facility located on Pico Canyon Road just east of Potrero Canyon Road should be observed by environmental professionals following site abandonment for evidence of stained or odorous soil.
- The suspected asbestos-containing material (ACM) observed on the electric-tower retaining wall should be sampled and analyzed for asbestos. If ACM is identified, it should be appropriately mitigated. This work may be performed by the developer or by the utility company.
- The possible presence of oil-field related solid waste, sumps, local areas of petroleum hydrocarbon-impacted soil, and possibly undocumented oil-exploration wells should be anticipated. All areas of the site should be carefully observed during grubbing and grading for evidence of oil-field related contamination.

Appendix A

APPENDIX A

References

American Society for Testing and Materials, 1994, Environmental Site Assessments for Commercial Real Estate, Designation E1527-94, dated June 1994.

ATC Environmental Inc., 1990; Draft Limited Environmental Assessment, Stevenson Ranch, Parcel V; dated June 1, 1990

California Division of Oil, Gas, and Geothermal Resources (CDGGR), Oil Field Map # 253, Honor Rancho

California Division of Oil, Gas, and Geothermal Resources (CDGGR), Oil Field Map # 254, Newhall

California Division of Oil, Gas, and Geothermal Resources (CDGGR), Oil Field Map # 255, Newhall-Potrero

Dames and Moore, 1989, Final Report, Status of Oil and Gas Wells on Parcel V, Stevenson Ranch: dated September 19, 1989, Project No: 19264-002-042

Munger Map Book, 1990, California - Alaska Oil and Gas Fields, May 1990

AERIAL PHOTOGRAPHS REVIEWED

Date	Flight	Frame	Scale	Source
6/15/38	AXJ-51	40-41	1:24,000	EnviroPacifica Library (USDA)
6/30/52	C-17727	46-48, 96-98	1:14,400	EnviroPacifica Library (Fairchild)
1/3/85	W 1385	98-99	1:36,000	EnviroPacifica Library (I.K.Curtis)
3/4/97	TBLA-4549/4550	11090	1:4,800	EnviroPacifica Library (IR Photo Service Inc.)

Appendix B

The EDR-Radius Map
with GeoCheck™

Stevenson Ranch-Phase 5
Stevenson Ranch-Phase 5
Stevenson Ranch, CA 91381

Inquiry Number: 0171324.1r

April 24, 1997

Environmental
Data
Resources, Inc.

Creators of Toxicheck/®

***The* Source**
For Environmental
Risk Management
Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

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

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer

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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 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

The address of the subject property for which the search was intended is:

STEVENSON RANCH-PHASE 5
STEVENSON RANCH, CA 91381

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the subject property or within the ASTM E 1527-97 search radius around the subject property for the following Databases:

NPL:	National Priority List
Delisted NPL:	NPL Deletions
RCRIS-TSD:	Resource Conservation and Recovery Information System
AWP:	Annual Workplan
Cal-Sites:	Calsites
Del. Cal-Sites:	Calsites
Notify 65:	Proposition 65
Toxic Pits:	Toxic Pits
CERCLIS:	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP:	Comprehensive Environmental Response, Compensation, and Liability Information System
CORRACTS:	Corrective Action Report
SWIS:	Solid Waste Information System
UST:	Hazardous Substance Storage Container Database
Ca. FID:	Facility Inventory Database
AST:	Aboveground Petroleum Storage Tank Facilities
RAATS:	RCRA Administrative Action Tracking System
WMUDS:	Waste Management Unit Database
RCRIS-SQG:	Resource Conservation and Recovery Information System
HMIRS:	Hazardous Materials Information Reporting System
PADS:	PCB Activity Database System
ERNS:	Emergency Response Notification System
FINDS:	Facility Index System
TRIS:	Toxic Chemical Release Inventory System
TSCA:	Toxic Substances Control Act
MLTS:	Material Licensing Tracking System
NPL Lien:	Federal Superfund Liens
Site Mitig:	SITE MITI: Site Mitigation Complaint Control Log
Indus Site:	List of Industrial Site Cleanups
HMMD:	HMMD: Hazardous Materials Management Division Database
DEHS Permit:	DEHS Permit System Print-Out By Location
CA SLIC:	CA SLIC regions.
Ca. BEP:	Bond Expenditure Plan
ROD:	Records Of Decision
CONSENT:	Superfund (CERCLA) Consent Decrees
Ca. BWT:	BWT: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Ca. WDS:	Waste Discharge System
HMS:	HMS: Street Number List
Ca. BI:	Business Inventory
Ca. SL:	SL: Site List

EXECUTIVE SUMMARY

S Bay Reg. 2: South Bay Site Management System
CA MS: MS: Master List of Facilities
CA ML: ML: Regulatory Compliance Master List
SJ HAZMAT: Hazmat Facilities
Coal Gas: Former Manufactured gas (Coal Gas) Sites.

Unmapped (orphan) sites are not considered in the foregoing analysis.

Search Results:

Search results for the subject property and the search radius, are listed below:

Subject Property:

The subject property was not listed in any of the databases searched by EDR.

Surrounding Properties:

Elevations have been determined from the USGS 1 degree 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. EDR's definition of a site with an elevation equal to the subject property includes a tolerance of -10 feet. Sites with an elevation equal to or higher than the subject property have been differentiated below from sites with an elevation lower than the subject property (by more than 10 feet). 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.

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 12/31/1994 has revealed that there are 2 CHMIRS sites within approximately 2.5 Miles of the subject property.

Lower Elevation	Address	TP Dist	Map ID	Page
Not reported	25000 VALENCIA BLVD.	>2	6	10
Not reported	24700 WEST MCBEAN PARKW	>2	7	10

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, and dated 12/31/1994 has revealed that there is 1 Cortese site within approximately 2.5 Miles of the subject property.

Lower Elevation	Address	TP Dist	Map ID	Page
PETERSON METAL FABRICATING	MCBEAN PKWY W. (26187)	>2	5	10

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data comes 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 01/01/1997 has revealed that there is 1 LUST site within approximately 2 Miles of the subject property.

Equal/Higher Elevation	Address	TP Dist	Map ID	Page
ARCO PRODUCTS CO	26835 PICO CANYON RD	1 - 2	A2	9

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 12/31/1995 has revealed that there are 2 HAZNET sites within approximately 1.75 Miles of the subject property.

Equal/Higher Elevation	Address	TP Dist	Map ID	Page
SOUTHERN CALIFORNIA GAS COMPAN	26835 PICO CANYON RD	1 - 2	A1	9
TIDE LANDS OIL PRODUCTION CO	26835 PICO CANYON RD	1 - 2	A4	10

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

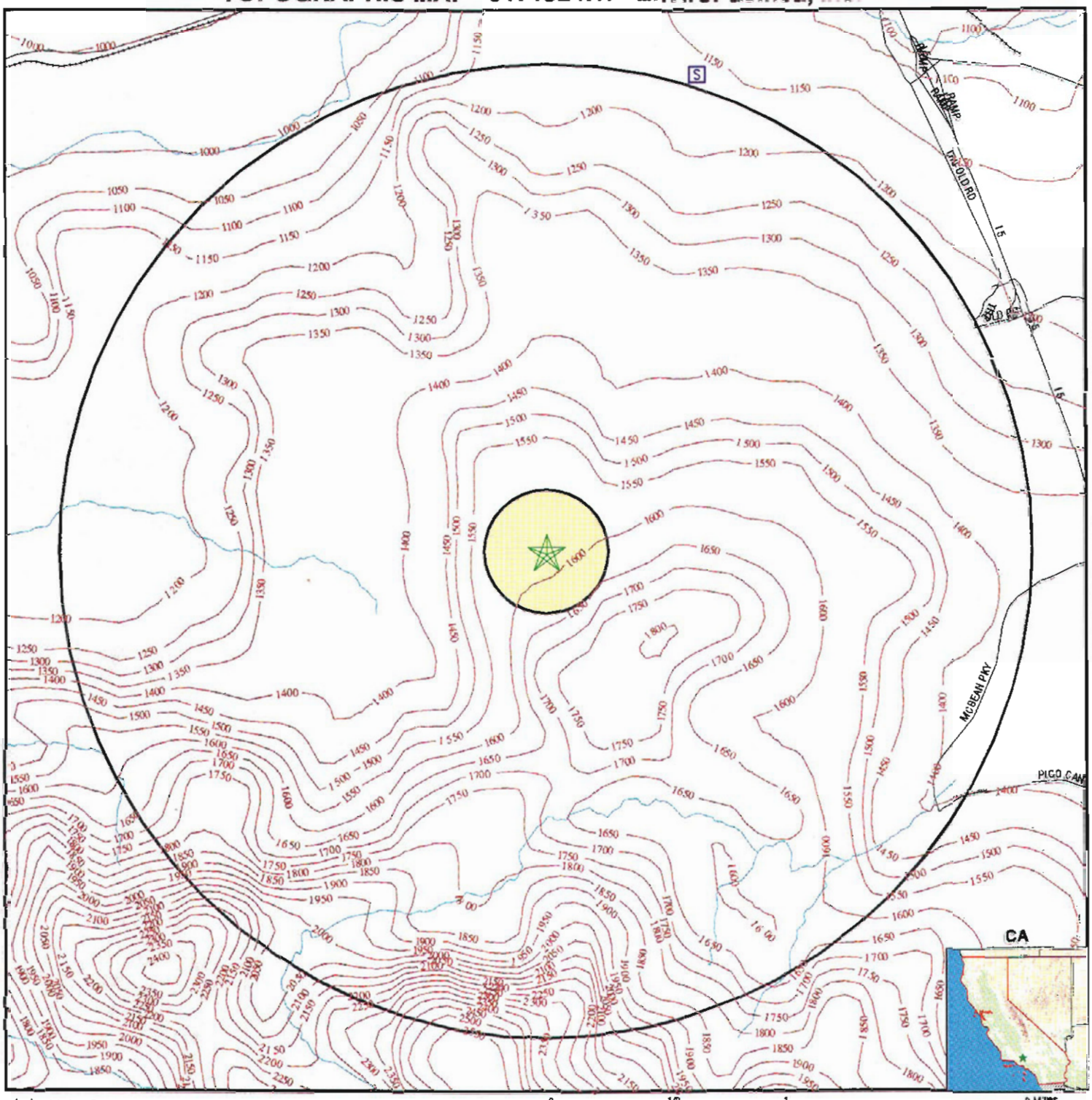
A review of the RCRIS-LQG list, as provided by EDR, and dated 10/31/1996 has revealed that there is 1 RCRIS-LQG site within approximately 1.75 Miles of the subject property.

Equal/Higher Elevation	Address	TP Dist	Map ID	Page
SUN GAS CO NEWHALL GAS PLT 915	***26835 PICO CANYON ROAD***	***1 - 2***	***A3***	***9***

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
JOINT WATER DISTRICT PLANT	SWIS
WHITTIER FERTILIZER	SWIS
SAN CARLOS DUMP	SWIS
SAN CLEMENTE ISLAND LANDFILL	SWIS
LA CO FLOOD CONTROL DISTRICT	SWIS
US NAVY LANDFILL	SWIS
CHEVRON #9-5436	LUST

TOPOGRAPHIC MAP - 0171324.1r - EnviroPacifica, Inc.



- Major Roads
- Contour Lines
- Waterways
- Earthquake Fault Lines
- Earthquake epicenter, Richter 5 or greater
- (F) Closest Federal Well in quadrant
- [S] Closest State Well in quadrant
- (P) Closest Public Water Supply Well
- (HD) Closest Hydrogeological Data

TARGET PROPERTY:	Stevenson Ranch-Phase 5	CUSTOMER:	EnviroPacifica, Inc.
ADDRESS:	Stevenson Ranch-Phase 5	CONTACT:	Scott Moors
CITY/STATE/ZIP:	Stevenson Ranch CA 91381	INQUIRY #:	0171324.1r
LAT/LONG:	34.3954 / 118.6093	DATE:	April 24, 1997 5:04 pm

GEOCHECK VERSION 2.1
SUMMARY

GEOLOGIC AGE IDENTIFICATION†

Geologic Code:	Tpc
Era:	Cenozoic
System:	Tertiary
Series:	Pliocene

ROCK STRATIGRAPHIC UNIT†

Category:	Continental Deposits

GROUNDWATER FLOW 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, including well data collected on nearby properties, regional groundwater flow information (from deep aquifers), or surface topography.‡

General Topographic Gradient: General NW
General Hydrogeologic Gradient: No hydrogeologic data available.
Site-Specific Hydrogeological Data*:

Search Radius:	2.0 miles
Status:	Not found

USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property:	2434118-D5 NEWHALL, CA

FEDERAL DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP	LITHOLOGY	DEPTH TO WATER TABLE

NO WELLS FOUND

STATE DATABASE WELL INFORMATION

WELL QUADRANT	DISTANCE FROM TP
Northern	>2 Miles
Eastern	>2 Miles

PUBLIC WATER SUPPLY SYSTEM INFORMATION (EPA-FRDS)

Searched by Nearest Well.
NOTE: PWS System location is not always the same as well location.

PWS Name:	R M PYLES BOYS CAMP R M PYLES BOYS CAMP LOYD MEADOW RD JOHNSONDALE, CA 93238
Location Relative to TP:	>2 Miles North
Well currently has or has had major violation(s):	Yes

† 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).
‡ U.S. EPA Ground Water Handbook, Vol I: Ground Water and Contamination, Office of Research and development EPA/625/6-90/016a,Chapter 4, page 78 September 1990.

GEOCHECK VERSION 2.1
SUMMARY

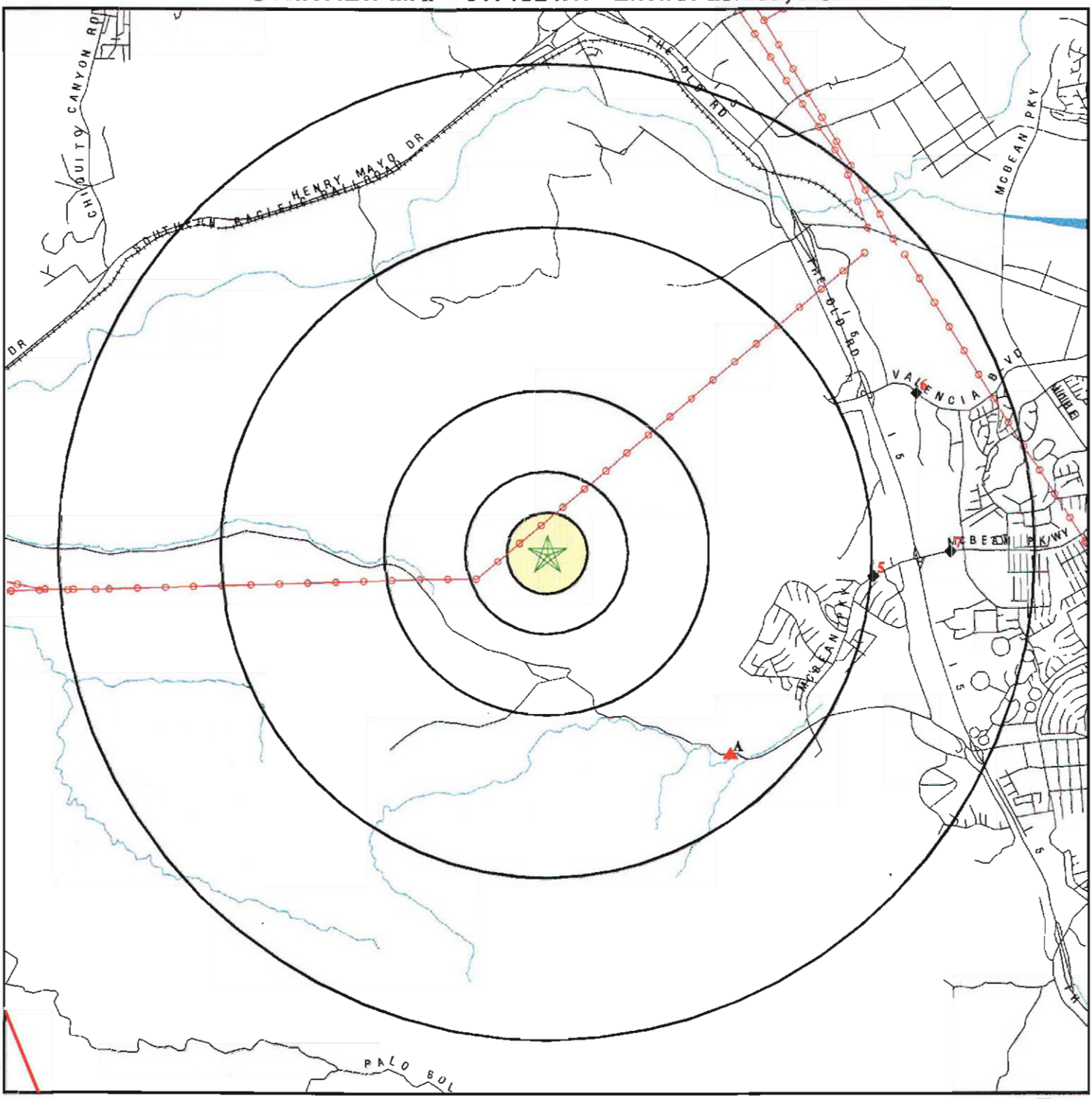
AREA RADON INFORMATION

LOS ANGELES COUNTY, CA

Number of sites tested: 63

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.711 pCi/L	98%	2%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	0.933 pCi/L	100%	0%	0%

OVERVIEW MAP - 0171324.1r - EnviroPacifica, Inc.

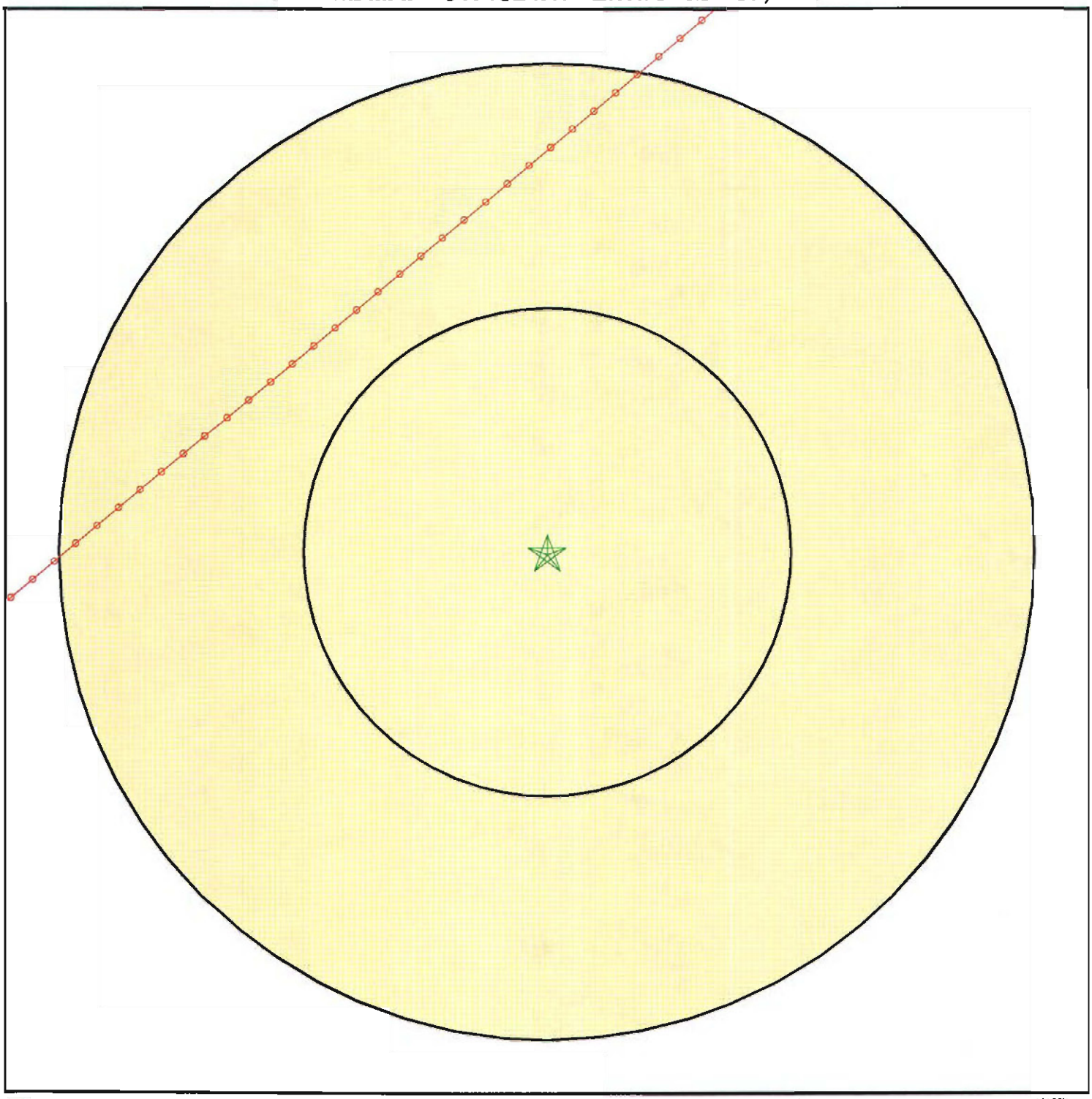


- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ♟ Coal Gasification Sites (if requested)
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines

0 2/4 1 1/2 2 Miles

TARGET PROPERTY:	Stevenson Ranch-Phase 5	CUSTOMER:	EnviroPacifica, Inc.
ADDRESS:	Stevenson Ranch-Phase 5	CONTACT:	Scott Moors
CITY/STATE/ZIP:	Stevenson Ranch CA 91381	INQUIRY #:	0171324.1r
LAT/LONG:	34.3954 / 118.6093	DATE:	April 24, 1997 5:00 pm

DETAIL MAP - 0171324.1r - EnviroPacifica, Inc.



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites (if requested)
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines

0 1/16 1/8 1/4 Miles

TARGET PROPERTY:	Stevenson Ranch-Phase 5	CUSTOMER:	EnviroPacifica, Inc.
ADDRESS:	Stevenson Ranch-Phase 5	CONTACT:	Scott Moors
CITY/STATE/ZIP:	Stevenson Ranch CA 91381	INQUIRY #:	0171324.1r
LAT/LONG:	34.3954 / 118.6093	DATE:	April 24, 1997 5:02 pm

C-12

MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		2.500	0	0	0	0	0	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		2.500	0	0	0	0	0	0
AWP		2.500	0	0	0	0	0	0
Cal-Sites		2.500	0	0	0	0	0	0
Delisted Cal-Sites		TP	NR	NR	NR	NR	NR	0
Notify 65		2.500	0	0	0	0	0	0
CHMIRS		2.500	0	0	0	0	2	2
Cortese		2.500	0	0	0	0	1	1
Toxic Pits		2.500	0	0	0	0	0	0
CERCLIS		2.000	0	0	0	0	0	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		2.500	0	0	0	0	0	0
St. Landfill (SWIS)		2.000	0	0	0	0	0	0
LUST		2.000	0	0	0	0	1	1
UST		1.750	0	0	0	0	0	0
CA FID		1.750	0	0	0	0	0	0
AST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		2.000	0	0	0	0	0	0
HAZNET		1.750	0	0	0	0	2	2
RCRIS Sm. Quan. Gen.		1.750	0	0	0	0	0	0
RCRIS Lg. Quan. Gen.		1.750	0	0	0	0	1	1
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
Site Mitigation		TP	NR	NR	NR	NR	NR	0
Industrial Site		TP	NR	NR	NR	NR	NR	0
HMMD		TP	NR	NR	NR	NR	NR	0
DEHS Permit		1.750	0	0	0	0	0	0
CA SLIC		2.000	0	0	0	0	0	0
CA Bond Exp. Plan		2.500	0	0	0	0	0	0
ROD		2.500	0	0	0	0	0	0
CONSENT		2.500	0	0	0	0	0	0
CA BWT		TP	NR	NR	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
HMS		TP	NR	NR	NR	NR	NR	0
Business Inventory		TP	NR	NR	NR	NR	NR	0
Site List		1.750	0	0	0	0	0	0
South Bay Region 2		TP	NR	NR	NR	NR	NR	0
CA MS		TP	NR	NR	NR	NR	NR	0
CA ML		TP	NR	NR	NR	NR	NR	0
CA San Jose HAZMAT		1.750	0	0	0	0	0	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

MAP FINDINGS SUMMARY SHOWING
ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		2.500	0	0	0	0	0	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		2.500	0	0	0	0	0	0
AWP		2.500	0	0	0	0	0	0
Cal-Sites		2.500	0	0	0	0	0	0
Delisted Cal-Sites		TP	NR	NR	NR	NR	NR	0
Notify 65		2.500	0	0	0	0	0	0
CHMIRS		2.500	0	0	0	0	0	0
Cortese		2.500	0	0	0	0	0	0
Toxic Pits		2.500	0	0	0	0	0	0
CERCLIS		2.000	0	0	0	0	0	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		2.500	0	0	0	0	0	0
St. Landfill (SWIS)		2.000	0	0	0	0	0	0
LUST		2.000	0	0	0	0	1	1
UST		1.750	0	0	0	0	0	0
CA FID		1.750	0	0	0	0	0	0
AST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
WMUDS/SWAT		2.000	0	0	0	0	0	0
HAZNET		1.750	0	0	0	0	2	2
RCRIS Sm. Quan. Gen.		1.750	0	0	0	0	0	0
RCRIS Lg. Quan. Gen.		1.750	0	0	0	0	1	1
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
Site Mitigation		TP	NR	NR	NR	NR	NR	0
Industrial Site		TP	NR	NR	NR	NR	NR	0
HMMD		TP	NR	NR	NR	NR	NR	0
DEHS Permit		1.750	0	0	0	0	0	0
CA SLIC		2.000	0	0	0	0	0	0
CA Bond Exp. Plan		2.500	0	0	0	0	0	0
ROD		2.500	0	0	0	0	0	0
CONSENT		2.500	0	0	0	0	0	0
CA BWT		TP	NR	NR	NR	NR	NR	0
CA WDS		TP	NR	NR	NR	NR	NR	0
HMS		TP	NR	NR	NR	NR	NR	0
Business Inventory		TP	NR	NR	NR	NR	NR	0
Site List		1.750	0	0	0	0	0	0
South Bay Region 2		TP	NR	NR	NR	NR	NR	0
CA MS		TP	NR	NR	NR	NR	NR	0
CA ML		TP	NR	NR	NR	NR	NR	0
CA San Jose HAZMAT		1.750	0	0	0	0	0	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Coal Gas Site Search: No site was found In a search of Real Property Scan's ENVIROHAZ database.

A1 **SOUTHERN CALIFORNIA GAS COMPANY** **HAZNET** **S100945486**
SE **26835 PICO CANYON RD** N/A
> 1 **NEWHALL, CA 91381**
Higher

A2 **ARCO PRODUCTS CO** **LUST** **S102424377**
SE **26835 PICO CANYON RD** N/A
> 1 **NEWHALL, CA 91321**
Higher

State LUST:

Case Number:	I-00340	Cross Street:	PORTRERO
Reg Board:	Los Angeles Region	Qty Leaked:	Not reported
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Case Type:	Other ground water affected		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Containment Barrier - install vertical dike to block horizontal movement of contaminant, Cap Site - install horizontal impermeable layer to reduce rainfall infiltration		
Review Date:	11/17/1994	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	04/06/1988	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	11/17/1994
Close Date:	07/26/1996	Release Date:	08/06/1986

LUST Region 4:

Facility ID:	I-00340	Report Date:	08/06/1986
Cross Street:	PORTRERO		
Lead Agency:	Regional Board		
Local Agency:	19000		
Case Type:	Other ground water affected		
Chemical:	Gasoline		

A3 **SUN GAS CO NEWHALL GAS PLT 915101** **FINDS** **1000115917**
SE **26835 PICO CANYON ROAD** **RCRIS-LQG** **CAT000619122**
> 1 **NEWHALL, CA 91321**
Higher

RCRIS:

Owner: SUN OIL CO.(DELAWARE)
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(405) 843-9711

Classification: Large Quantity Generator

Waste	Quantity	Waste	Quantity
D001	0.000 (N)	D004	0.000 (N)
F003	0.000 (N)	F005	0.000 (N)
U013	0.000 (N)	U019	0.000 (N)
U154	0.000 (N)	U220	0.000 (N)
U239	0.000 (N)		

(P) = Pounds , (K) = Kilograms , (M) = Metric Tons , (T) = Tons , (N) = Not Reported

SUN GAS CO NEWHALL GAS PLT 915101 (Continued) **1000115917**

Used Oil Recyc: No

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
- Facility is monitored or permitted for air emissions under the Clean Air Act (under AFS/AIRS)

A4
SE
> 1
Higher

TIDE LANDS OIL PRODUCTION CO **HAZNET** **S100946648**
26835 PICO CANYON RD **N/A**
NEWHALL, CA 91381

5
East
> 1
Lower

PETERSON METAL FABRICATING **Cortese** **S101307410**
MCBEAN PKWY W. (26187) **N/A**
SANTA CLARITA, CA

CORTESE:
Facility ID: 19-054842 Data Source: LTNKA

6
ENE
> 1
Lower

CHMIRS **S100279250**
25000 VALENCIA BLVD. **N/A**
SANTA CLARITA, CA

CHMIRS:

OES Control Number:	8905235	DOT ID:	1268
DOT Hazard Class:	Flammable liquid		
Chemical Name:	OIL, MINERAL		
Extent of Release:	Confined to Floor of Origin		
CAS Number:	8012-95-1	Quantity Released:	1
Environmental Contamination:	None Reported	Property Use:	Educational
Incident Date:	12-MAR-89	Date Completed:	12-MAR-89

7
East
> 1
Lower

CHMIRS **S100277156**
24700 WEST MCBEAN PARKWAY **N/A**
VALENCIA, CA 91355

CHMIRS:

OES Control Number:	9115100	DOT ID:	Not reported
DOT Hazard Class:	Flammable liquid		
Chemical Name:	ACETONE		
Extent of Release:	Confined to Floor of Origin		
CAS Number:	67-64-1	Quantity Released:	1
Environmental Contamination:	Air	Property Use:	Educational
Incident Date:	24-JAN-91	Date Completed:	24-JAN-91

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
LOS ANGELES COUNTY	S102360742	JOINT WATER DISTRICT PLANT	24501 SOUTH FIGUEROA		SWIS	
LOS ANGELES COUNTY	S102360743	WHITTIER FERTILIZER	9441 KRUSE ROARD		SWIS	
LOS ANGELES COUNTY	S102360798	SAN CARLOS DUMP	LONG BEACH FWY NEAR LA RIVER		SWIS	
LOS ANGELES COUNTY	S102360747	SAN CLEMENTE ISLAND LANDFILL	NAVAL AUXILIARY LANDING FIELD		SWIS	
LOS ANGELES COUNTY	S102360884	LA CO FLOOD CONTROL DISTRICT	6502 E PCH/6655 MARINA DRIVE		SWIS	
LOS ANGELES COUNTY	S102360641	US NAVY LANDFILL	SAN CLEMENTE ISLAND CENTRAL		SWIS	
VALENCIA	S102427292	CHEVRON #9-5436	27549 THE OLD RD	91355	LUST	

GEOCHECK VERSION 2.1 ADDENDUM
STATE DATABASE WELL INFORMATION

Water Wells:

Well Within >2 Miles of Target Property (Northern Quadrant)

Water System Information:

Prime Station Code:	49	User ID:	19C
FRDS Number Number:	1909917001	County:	Los Angeles
District Number:	49	User ID:	19C
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		
Station Type:	WELL/AMBNT/MUN/INTAKE		
System Number:	1909917		
System Name:	FEED MILL		
Owner Type:	Not Reported		
Organization That Operates System:	23823 VALENCIA BLVD VALENCIA, CA 91355		
Pop Served:	25	Connections:	Not Reported
Area Served:	Not Reported		

Sample Information: * Only Findings Above Detection Level Are Listed

Sample Collected:	04/01/1987	Findings:	2.000 UG/L
Chemical:	BROMOMETHANE		
Sample Collected:	04/01/1987	Findings:	5.000 UG/L
Chemical:	DYLOX		
Sample Collected:	04/01/1987	Findings:	.500 UG/L
Chemical:	ETHION		
Sample Collected:	04/01/1987	Findings:	15.000 UG/L
Chemical:	MALATHION		
Sample Collected:	04/01/1987	Findings:	1.000 UG/L
Chemical:	PARATHION		
Sample Collected:	04/01/1987	Findings:	2.500 UG/L
Chemical:	DEMETON		
Sample Collected:	04/01/1987	Findings:	1.000 UG/L
Chemical:	GUTHION		
Sample Collected:	04/01/1987	Findings:	5.000 UG/L
Chemical:	PHOSDIN		
Sample Collected:	04/01/1987	Findings:	1.000 UG/L
Chemical:	DICOFOL		
Sample Collected:	04/01/1987	Findings:	5.000 UG/L
Chemical:	METHIDATHION		
Sample Collected:	06/02/1987	Findings:	1.000 UG/L
Chemical:	VINYL CHLORIDE		

Well Within >2 Miles of Target Property (Eastern Quadrant)

Water System Information:

Prime Station Code:	07	User ID:	4TH
FRDS Number Number:	1910240009	County:	Los Angeles
District Number:	07	User ID:	4TH
Water Type:	Well/Groundwater	Well Status:	Active Untreated
Source Lat/Long:	342300.0 1183350.0	Precision:	1,000 Feet (10 Seconds)
Source Name:	WELL 159		
Station Type:	WELL/AMBNT/MUN/INTAKE/SUPPLY		

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

System Number: 1910240
System Name: VALENCIA WC
Owner Type: Not Reported
Organization That Operates System:
28769 CASTAIC CANYON ROAD
VALENCIA 91355
Pop Served: 46500 Connections: VALENCIA
Area Served: Not Reported

Sample Information: * Only Findings Above Detection Level Are Listed

Sample Collected:	10/15/1991	Findings:	1400.000
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	10/15/1991	Findings:	8.200
Chemical:	PH (LABORATORY)		
Sample Collected:	10/15/1991	Findings:	150.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CACO3)		
Sample Collected:	10/15/1991	Findings:	179.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	10/15/1991	Findings:	2.240 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	10/15/1991	Findings:	187.000 MG/L
Chemical:	TOTAL HARDNESS (AS CACO3)		
Sample Collected:	10/15/1991	Findings:	53.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	10/15/1991	Findings:	240.000 MG/L
Chemical:	SODIUM		
Sample Collected:	10/15/1991	Findings:	3.300 MG/L
Chemical:	POTASSIUM		
Sample Collected:	10/15/1991	Findings:	18.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	10/15/1991	Findings:	510.000 MG/L
Chemical:	SULFATE		
Sample Collected:	10/15/1991	Findings:	.180 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	10/15/1991	Findings:	12.000 UG/L
Chemical:	ARSENIC		
Sample Collected:	10/15/1991	Findings:	1200.000 UG/L
Chemical:	IRON		
Sample Collected:	10/15/1991	Findings:	51.000 UG/L
Chemical:	ALUMINUM		
Sample Collected:	10/15/1991	Findings:	3.200 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	10/15/1991	Findings:	1.700 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	10/15/1991	Findings:	1.300 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	10/15/1991	Findings:	.050 UG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	10/15/1991	Findings:	910.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

GEOCHECK VERSION 2.1
STATE DATABASE WELL INFORMATION

Sample Collected:	10/15/1991	Findings:	.500
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	10/15/1991	Findings:	2.200 MG/L
Chemical:	NITRATE (AS NO3)		
Sample Collected:	02/03/1992	Findings:	1380.000
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	02/03/1992	Findings:	8.200
Chemical:	PH (LABORATORY)		
Sample Collected:	02/03/1992	Findings:	165.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CACO3)		
Sample Collected:	02/03/1992	Findings:	196.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	02/03/1992	Findings:	2.450 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	02/03/1992	Findings:	175.000 MG/L
Chemical:	TOTAL HARDNESS (AS CACO3)		
Sample Collected:	02/03/1992	Findings:	50.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	02/03/1992	Findings:	240.000 MG/L
Chemical:	SODIUM		
Sample Collected:	02/03/1992	Findings:	3.200 MG/L
Chemical:	POTASSIUM		
Sample Collected:	02/03/1992	Findings:	18.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	02/03/1992	Findings:	.190 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	02/03/1992	Findings:	13.000 UG/L
Chemical:	ARSENIC		
Sample Collected:	02/03/1992	Findings:	1800.000 UG/L
Chemical:	IRON		
Sample Collected:	02/03/1992	Findings:	100.000 UG/L
Chemical:	ALUMINUM		
Sample Collected:	02/03/1992	Findings:	3.400 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	02/03/1992	Findings:	7.400 PC/L
Chemical:	GROSS BETA		
Sample Collected:	02/03/1992	Findings:	3.000 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	02/03/1992	Findings:	.050 UG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	02/03/1992	Findings:	890.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	02/03/1992	Findings:	.500
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	04/21/1992	Findings:	1440.000
Chemical:	SPECIFIC CONDUCTANCE		

Sample Collected:	04/21/1992	Findings:	8.200
Chemical:	PH (LABORATORY)		
Sample Collected:	04/21/1992	Findings:	145.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CACO3)		
Sample Collected:	04/21/1992	Findings:	174.000 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	04/21/1992	Findings:	1.800 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	04/21/1992	Findings:	192.000 MG/L
Chemical:	TOTAL HARDNESS (AS CACO3)		
Sample Collected:	04/21/1992	Findings:	57.000 MG/L
Chemical:	CALCIUM		
Sample Collected:	04/21/1992	Findings:	255.000 MG/L
Chemical:	SODIUM		
Sample Collected:	04/21/1992	Findings:	3.300 MG/L
Chemical:	POTASSIUM		
Sample Collected:	04/21/1992	Findings:	18.000 MG/L
Chemical:	CHLORIDE		
Sample Collected:	04/21/1992	Findings:	560.000 MG/L
Chemical:	SULFATE		
Sample Collected:	04/21/1992	Findings:	.190 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	04/21/1992	Findings:	6.000 UG/L
Chemical:	ARSENIC		
Sample Collected:	04/21/1992	Findings:	240.000 UG/L
Chemical:	IRON		
Sample Collected:	04/21/1992	Findings:	100.000 UG/L
Chemical:	ALUMINUM		
Sample Collected:	04/21/1992	Findings:	2.400 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	04/21/1992	Findings:	2.000 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	04/21/1992	Findings:	5.600 PC/L
Chemical:	GROSS BETA		
Sample Collected:	04/21/1992	Findings:	1.800 PC/L
Chemical:	GROSS BETA COUNTING ERROR		
Sample Collected:	04/21/1992	Findings:	.050 UG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	04/21/1992	Findings:	990.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		
Sample Collected:	04/21/1992	Findings:	.800
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	04/21/1992	Findings:	.027 MG/L
Chemical:	HYDROXIDE ALKALINITY		
Sample Collected:	06/21/1995	Findings:	5.400 PC/L
Chemical:	GROSS ALPHA		

Sample Collected:	06/21/1995	Findings:	2.200 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/21/1995	Findings:	4.000 PIC/L
Chemical:	URANIUM		
Sample Collected:	09/28/1995	Findings:	23.000 C
Chemical:	SOURCE TEMPERATURE C		
Sample Collected:	09/28/1995	Findings:	1510.000
Chemical:	SPECIFIC CONDUCTANCE		
Sample Collected:	09/28/1995	Findings:	8.000
Chemical:	FIELD PH		
Sample Collected:	09/28/1995	Findings:	8.000
Chemical:	PH (LABORATORY)		
Sample Collected:	09/28/1995	Findings:	120.000 MG/L
Chemical:	TOTAL ALKALINITY (AS CACO3)		
Sample Collected:	09/28/1995	Findings:	146.400 MG/L
Chemical:	BICARBONATE ALKALINITY		
Sample Collected:	09/28/1995	Findings:	1.000 MG/L
Chemical:	CARBONATE ALKALINITY		
Sample Collected:	09/28/1995	Findings:	280.000 MG/L
Chemical:	TOTAL HARDNESS (AS CACO3)		
Sample Collected:	09/28/1995	Findings:	73.500 MG/L
Chemical:	CALCIUM		
Sample Collected:	09/28/1995	Findings:	218.800 MG/L
Chemical:	SODIUM		
Sample Collected:	09/28/1995	Findings:	3.400 MG/L
Chemical:	POTASSIUM		
Sample Collected:	09/28/1995	Findings:	16.200 MG/L
Chemical:	CHLORIDE		
Sample Collected:	09/28/1995	Findings:	600.000 MG/L
Chemical:	SULFATE		
Sample Collected:	09/28/1995	Findings:	.500 MG/L
Chemical:	FLUORIDE (TEMPERATURE DEPENDENT)		
Sample Collected:	09/28/1995	Findings:	155.000 UG/L
Chemical:	BORON		
Sample Collected:	09/28/1995	Findings:	363.000 UG/L
Chemical:	IRON		
Sample Collected:	09/28/1995	Findings:	179.000 UG/L
Chemical:	ALUMINUM		
Sample Collected:	09/28/1995	Findings:	2.000 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	09/28/1995	Findings:	2.000 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	09/28/1995	Findings:	.020 UG/L
Chemical:	FOAMING AGENTS (MBAS)		
Sample Collected:	09/28/1995	Findings:	1004.000 MG/L
Chemical:	TOTAL DISSOLVED SOLIDS		

Sample Collected:	09/28/1995	Findings:	1.040
Chemical:	LANGELIER INDEX @ 60 C		
Sample Collected:	09/28/1995	Findings:	.400
Chemical:	LANGELIER INDEX @ SOURCE TEMP.		
Sample Collected:	09/28/1995	Findings:	1.000 MG/L
Chemical:	HYDROXIDE ALKALINITY		
Sample Collected:	09/28/1995	Findings:	12.340
Chemical:	AGRESSIVENESS INDEX		
Sample Collected:	12/12/1995	Findings:	6.500 PC/L
Chemical:	GROSS ALPHA		
Sample Collected:	12/12/1995	Findings:	2.500 PC/L
Chemical:	GROSS ALPHA COUNTING ERROR		
Sample Collected:	06/13/1996	Findings:	.960 PC/L
Chemical:	RA 226 + RA 228		
Sample Collected:	06/13/1996	Findings:	.350 PC/L
Chemical:	RA 226 + RA 228 COUNTING ERROR		

GEOCHECK VERSION 2.1
PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest Well.

PWS SUMMARY:

PWS ID:	CA5400959	PWS Status:	Active	Distance from TP:	>2 Miles
Date Initiated:	June / 1977	Date Deactivated:	Not Reported	Dir relative to TP:	North
PWS Name:	R M PYLES BOYS CAMP R M PYLES BOYS CAMP LOYD MEADOW RD JOHNSONDALE, CA 93238				
Addressee / Facility:	System Owner/Responsible Party R M PYLES BOYS CAMP 2711 HENRY MAYO DRIVE VALENCIA, CA 91355				
Facility Latitude:	34 26 36		Facility Longitude:	118 36 30	
City Served:	Not Reported				
Treatment Class:	Untreated		Population Served:	101 - 500 Persons	

Well currently has or has had major violation(s): Yes

Violations information not reported.

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.
D004	ARSENIC
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.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
U013	NOT DEFINED
U019	BENZENE (I,T)
U154	METHANOL (I)
U154	METHYL ALCOHOL (I)
U220	BENZENE, METHYL-
U220	TOLUENE
U239	BENZENE, DIMETHYL- (I,T)
U239	XYLENE (I)

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 RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA/NTIS
Telephone: 703-603-8904
CERCLIS: 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: 12/31/96
Date Made Active at EDR: 03/03/97
Database Release Frequency: Monthly
Date of Data Arrival at EDR: 01/16/97
Elapsed ASTM days: 46
Date of Last EDR Contact: 04/07/97

ERNS: Emergency Response Notification System
Source: EPA/NTIS
Telephone: 202-260-2342
ERNS: Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/96
Date Made Active at EDR: 03/18/97
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/05/97
Elapsed ASTM days: 41
Date of Last EDR Contact: 04/07/97

NPL: National Priority List
Source: EPA
Telephone: 703-603-8852
NPL: 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).

Date of Government Version: 12/01/96
Date Made Active at EDR: 03/03/97
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 01/08/97
Elapsed ASTM days: 54
Date of Last EDR Contact: 04/03/97

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 703-308-7907
RCRIS: Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 10/31/96
Date Made Active at EDR: 03/03/97
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 01/09/97
Elapsed ASTM days: 53
Date of Last EDR Contact: 02/27/97

FEDERAL NON-ASTM RECORDS:

CONSENT: Superfund (CERCLA) Consent Decrees
Source: EPA Regional Offices
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: Varies
Database Release Frequency: Varies
Date of Last EDR Contact: Varies
Date of Next Scheduled EDR Contact: 09/01/95

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 703-308-7907
CORRACTS: CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/01/96
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/07/97
Date of Next Scheduled EDR Contact: 07/07/97

FINDS: Facility Index System
Source: EPA/NTIS
Telephone: 703-908-2493
FINDS: 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: 09/30/95
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/30/96
Date of Next Scheduled EDR Contact: 07/07/97

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
HMIRS: Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/95
Database Release Frequency: Annually
Date of Last EDR Contact: 01/27/97
Date of Next Scheduled EDR Contact: 04/28/97

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: 02/13/96
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/14/97
Date of Next Scheduled EDR Contact: 07/14/97

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
NPL LIENS: 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
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 03/03/97
Date of Next Scheduled EDR Contact: 05/26/97

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-260-3992
PADS: PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notity the EPA of such activities.

Date of Government Version: 08/26/96 — Date of Last EDR Contact: 01/02/97
Database Release Frequency: Semi-Annually — Date of Next Scheduled EDR Contact: 05/19/97

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RAATS: 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 — Date of Last EDR Contact: 03/18/97
Database Release Frequency: N/A — Date of Next Scheduled EDR Contact: 06/16/97

ROD: Records Of Decision
Source: NTIS
Telephone: 703-416-0703
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Supertund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/31/95 — Date of Last EDR Contact: 03/05/97
Database Release Frequency: Annually — Date of Next Scheduled EDR Contact: 06/02/97

TRIS: Toxic Chemical Release Inventory System
Source: EPA/NTIS
Telephone: 202-260-2320
TRIS: 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: 12/31/92 — Date of Last EDR Contact: 03/04/97
Database Release Frequency: Annually — Date of Next Scheduled EDR Contact: 06/30/97

TSCA: Toxic Substances Control Act
Source: EPA/NTIS
Telephone: 202-260-1444
TSCA: 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. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 01/31/95 — Date of Last EDR Contact: 03/21/97
Database Release Frequency: Annually — Date of Next Scheduled EDR Contact: 06/16/97

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF CALIFORNIA ASTM RECORDS:

BEP: Bond Expenditure Plan
Source: Department of Health Services
Telephone: 916-255-2118
BEP: 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

CAL-SITES (AWP): Annual Workplan
Source: California Environmental Protection Agency
Telephone: 916-323-3400
CAL-SITES (AWP): Known Hazardous Waste Sites. California DTSC's Annual Workplan (AWP), formerly BEP, identifies known hazardous substance sites targeted for cleanup.

Date of Government Version: 10/29/96
Date Made Active at EDR: 03/17/97
Database Release Frequency: Annually
Date of Data Arrival at EDR: 01/16/97
Elapsed ASTM days: 60
Date of Last EDR Contact: 11/25/96

CAL-SITES (ASPIS): Calsites
Source: Department of Toxic Substance Control
Telephone: 916-323-3400
CAL-SITES (ASPIS): Known and Potential Hazardous Waste Sites. CAL-SITES, formerly ASPIS, contains both known and potential hazardous substance sites.

Date of Government Version: 04/12/96
Date Made Active at EDR: 06/06/96
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 05/06/96
Elapsed ASTM days: 31
Date of Last EDR Contact: 03/07/97

CHMIRS: California Hazardous Material Incident Report System
Source: Office of Emergency Services
Telephone: 916-464-3277
CHMIRS: California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/94
Date Made Active at EDR: 04/24/95
Database Release Frequency: Annually
Date of Data Arrival at EDR: 03/13/95
Elapsed ASTM days: 42
Date of Last EDR Contact: 04/03/97

CORTESE: Cortese
Source: CAL EPA/Office of Emergency Information
Telephone: 916-327-1848
CORTESE: Identified Hazardous Waste and Substance Sites. The 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.

Date of Government Version: 12/31/94
Date Made Active at EDR: 04/04/95
Database Release Frequency: Annually
Date of Data Arrival at EDR: 01/23/95
Elapsed ASTM days: 71
Date of Last EDR Contact: 02/05/97

LUST: Leaking Underground Storage Tank Information System
Source: State Water Resources Control Board
Telephone: 916-445-6532
LUST: 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: 01/01/97
Date Made Active at EDR: 04/21/97
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 02/05/97
Elapsed ASTM days: 75
Date of Last EDR Contact: 04/14/97

NOTIFY 65: Proposition 65
Source: State Water Resources Control Board
Telephone: 916-657-0696
NOTIFY 65: 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: Quarterly
Date of Data Arrival at EDR: 11/01/93
Elapsed ASTM days: 18
Date of Last EDR Contact: 01/27/97

SWF/LF (SWIS): Solid Waste Information System
Source: Integrated Waste Management Board
Telephone: 916-255-4035
SWF/LF (SWIS): Active, Closed and Inactive Landfills. SWF/LF records typically contain an inventory of solid waste disposal facilities or landfills. These may be active or inactive facilities or open dumps that failed to meet RCRA Section 2004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/15/96
Date Made Active at EDR: 01/09/97
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 12/02/96
Elapsed ASTM days: 38
Date of Last EDR Contact: 03/03/97

TOXIC PITS: Toxic Pits
Source: State Water Resources Control Board
Telephone: 916-227-4364
TOXIC PITS: 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: 02/10/97

CA UST:

UST: Hazardous Substance Storage Container Database
Source: State Water Resources Control Board
Telephone: 916-227-4319
UST: 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: 10/28/96

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: 10/31/94
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: 03/31/97

WMUDS/SWAT: Waste Management Unit Database
Source: State Water Resources Control Board
Telephone: 916-892-0323
WMUDS/SWAT: 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: 12/01/96
Date Made Active at EDR: 02/06/97
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 12/18/96
Elapsed ASTM days: 50
Date of Last EDR Contact: 03/10/97

STATE OF CALIFORNIA NON-ASTM RECORDS:

AST: Aboveground Petroleum Storage Tank Facilities
Source: State Water Resources Control Board
Telephone: 916-227-4364
AST: Registered Aboveground Storage Tanks.

Date of Government Version: 11/22/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/10/97
Date of Next Scheduled EDR Contact: 05/12/97

HAZMAT: Hazmat Facilities
Source: City of San Jose Fire Department
Telephone: 408-277-4659

Date of Government Version: 02/11/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/25/97
Date of Next Scheduled EDR Contact: 05/26/97

HAZNET: Hazardous Waste Information System
Source: California Environmental Protection Agency
Telephone: 916-324-0659
HAZNET: 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 from non-California manifests and 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, and disposal method.

Date of Government Version: 12/31/95
Database Release Frequency: Annually

Date of Last EDR Contact: 01/30/97
Date of Next Scheduled EDR Contact: 04/21/97

SOUTH BAY: South Bay Site Management System
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-576-2220
SOUTH BAY: 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: 09/01/96
Database Release Frequency: Annually

Date of Last EDR Contact: 02/26/97
Date of Next Scheduled EDR Contact: 05/26/97

WDS: Waste Discharge System
Source: State Water Resources Control Board
Telephone: 916-657-1701
WDS: Sites which have been issued waste discharge requirements.

Date of Government Version: 12/01/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/24/97
Date of Next Scheduled EDR Contact: 05/26/97

CALIFORNIA COUNTY RECORDS

ALAMEDA COUNTY:

Underground Tanks
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 12/01/96
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/31/97
Date of Next Scheduled EDR Contact: 06/23/97

Local Oversight Program Listing of UGT Cleanup Sites
Source: Alameda County Environmental Health Services
Telephone: 510-567-6700

Date of Government Version: 12/01/96
Database Release Frequency: N/A
Date of Last EDR Contact: 03/31/97
Date of Next Scheduled EDR Contact: 06/23/97

CONTRA COSTA COUNTY:

SL: Site List
Source: Contra Costa Health Services Department
Telephone: 510-646-2286
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 12/02/97
Database Release Frequency: N/A
Date of Last EDR Contact: 02/10/97
Date of Next Scheduled EDR Contact: 05/12/97

KERN COUNTY:

UST: Sites & Tanks Listing
Source: Kern County Environment Health Services Department
Telephone: 805-862-8700
Kern County Sites & Tanks Listing.

Date of Government Version: 06/10/94
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 04/14/97
Date of Next Scheduled EDR Contact: 07/14/97

LOS ANGELES COUNTY:

HMS: Street Number List
Source: Department of Public Works
Telephone: 818-458-3517
HMS: Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 09/30/96
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/17/97
Date of Next Scheduled EDR Contact: 06/23/97

SWF/LF: List of Solid Waste Facilities
Source: La County Department of Public Works
Telephone: 818-458-5185

Date of Government Version: 06/28/94
Database Release Frequency: Annually
Date of Last EDR Contact: 02/24/97
Date of Next Scheduled EDR Contact: 05/26/97

SITE MITI: Site Mitigation Complaint Control Log
Source: Community Health Services
Telephone: 213-890-7806
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 08/21/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/27/97
Date of Next Scheduled EDR Contact: 05/26/97

MARIN COUNTY:

UST - Currently Permitted
Source: Public Works Department Waste Management
Telephone: 415-499-6647
Currently permitted USTs in Marin County.

Date of Government Version: 07/01/96
Database Release Frequency: N/A

Date of Last EDR Contact: 02/10/97
Date of Next Scheduled EDR Contact: 05/12/97

NAPA COUNTY:

LUST: Sites With Reported Contamination
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 08/22/96
Database Release Frequency: N/A

Date of Last EDR Contact: 03/27/97
Date of Next Scheduled EDR Contact: 06/23/97

UST: Closed and Operating Underground Storage Tank Sites
Source: Napa County Department of Environmental Management
Telephone: 707-253-4269

Date of Government Version: 10/09/96
Database Release Frequency: N/A

Date of Last EDR Contact: 03/27/97
Date of Next Scheduled EDR Contact: 06/23/97

ORANGE COUNTY:

List of Industrial Site Cleanups
Source: Health Care Agency
Telephone: 714-834-3446
Petroleum and non-petroleum spills.

Date of Government Version: 01/15/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/17/97
Date of Next Scheduled EDR Contact: 06/16/97

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: 01/02/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/17/97
Date of Next Scheduled EDR Contact: 06/16/97

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: 11/27/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/17/97
Date of Next Scheduled EDR Contact: 06/16/97

PLACER COUNTY:

MS: Master List of Facilities
Source: Placer County Health & Human Services
Telephone: 916-889-7335
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 01/14/97
Database Release Frequency: N/A
Date of Last EDR Contact: 04/02/97
Date of Next Scheduled EDR Contact: 06/30/97

RIVERSIDE COUNTY:

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: 01/27/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/27/97
Date of Next Scheduled EDR Contact: 04/28/97

UST: Tank List
Source: Health Services Agency
Telephone: 909-358-5055

Date of Government Version: 01/30/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 01/27/99
Date of Next Scheduled EDR Contact: 04/28/97

SACRAMENTO COUNTY:

LUST: Toxisite Cleanup Program - Site Specific Report
Source: Sacramento County Environmental Management
Telephone: 916-386-7681

Date of Government Version: 01/28/97
Database Release Frequency: N/A
Date of Last EDR Contact: 03/17/97
Date of Next Scheduled EDR Contact: 06/16/97

ML: Regulatory Compliance Master List
Source: Sacramento County Environmental Management
Telephone: 916-386-7681
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 02/03/97
Database Release Frequency: N/A
Date of Last EDR Contact: 03/17/97
Date of Next Scheduled EDR Contact: 06/16/97

SAN BERNARDINO COUNTY:

DEHS Permit System Print-Out By Location
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: 09/23/96
Database Release Frequency: Monthly
Date of Last EDR Contact: 03/17/97
Date of Next Scheduled EDR Contact: 06/16/97

SAN DIEGO COUNTY:

SWF/LF: Solid Waste Facilities
Source: Department of Health Services
Telephone: 619-338-2209
San Diego County Solid Waste Facilities.

Date of Government Version: 11/08/95
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/04/97
Date of Next Scheduled EDR Contact: 06/02/97

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: 11/15/96
Database Release Frequency: Quarterly
Date of Last EDR Contact: 02/17/97
Date of Next Scheduled EDR Contact: 05/19/97

SAN FRANCISCO COUNTY:

LUST: Local Oversite Facilities
Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920

Date of Government Version: 12/06/96
Database Release Frequency: N/A
Date of Last EDR Contact: 02/18/97
Date of Next Scheduled EDR Contact: 05/19/97

UST: Active Underground Report City and County of San Francisco
Source: Department of Public Health
Telephone: 415-252-3920

Date of Government Version: 09/13/96
Database Release Frequency: N/A
Date of Last EDR Contact: 04/02/97
Date of Next Scheduled EDR Contact: 05/19/97

SAN MATEO COUNTY:

Business Inventory
Source: San Mateo County Environmental Health Services Division
Telephone: 415-363-1921
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 01/01/97
Database Release Frequency: N/A
Date of Last EDR Contact: 02/20/97
Date of Next Scheduled EDR Contact: 05/19/97

LUST: Fuel Leak List
Source: San Mateo County Environmental Health Services Division
Telephone: 415-363-1921

Date of Government Version: 10/11/96
Database Release Frequency: N/A
Date of Last EDR Contact: 02/20/97
Date of Next Scheduled EDR Contact: 05/19/97

SANTA CLARA COUNTY:

LUST: Fuel Leak Site Activity Report
Source: Santa Clara Valley Water District
Telephone: 408-927-0710

Date of Government Version: 01/28/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/07/97
Date of Next Scheduled EDR Contact: 07/07/97

SOLANO COUNTY:

LUST: Leaking Undergroung Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 12/03/96
Database Release Frequency: N/A

Date of Last EDR Contact: 03/17/97
Date of Next Scheduled EDR Contact: 06/16/97

UST: Underground Storage Tanks
Source: Solano County Department of Environmental Management
Telephone: 707-421-6770

Date of Government Version: 12/18/96
Database Release Frequency: N/A

Date of Last EDR Contact: 03/17/97
Date of Next Scheduled EDR Contact: 06/16/97

SONOMA COUNTY:

LUST Sites
Source: Department of Health Services
Telephone: 707-525-6565

Date of Government Version: 12/27/96
Database Release Frequency: N/A

Date of Last EDR Contact: 03/27/97
Date of Next Scheduled EDR Contact: 06/23/97

SUTTER COUNTY:

UST: Underground Storage Tanks
Source: Sutter County Department of Agriculture
Telephone: 916-741-7504

Date of Government Version: 11/01/97
Database Release Frequency: N/A

Date of Last EDR Contact: 04/17/97
Date of Next Scheduled EDR Contact: 07/14/97

VENTURA COUNTY:

BWT: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
BWT: 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: 01/02/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/24/97
Date of Next Scheduled EDR Contact: 06/23/97

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: 01/01/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/24/97
Date of Next Scheduled EDR Contact: 06/23/97

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: 12/31/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/24/97
Date of Next Scheduled EDR Contact: 06/23/97

SWF/LF: 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: 03/31/96
Database Release Frequency: Annually

Date of Last EDR Contact: 03/03/97
Date of Next Scheduled EDR Contact: 06/02/97

California Regional Water Quality Control Board (RWQCB) LUST Records

LUST Region 1: Active Toxic Site Investigation
Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220

Date of Government Version: 12/16/97
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/03/97
Date of Next Scheduled EDR Contact: 06/02/97

LUST Region 2: Fuel Leak List
Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-1269

Date of Government Version: 10/30/96
Database Release Frequency: Quarterly
Date of Last EDR Contact: 03/27/97
Date of Next Scheduled EDR Contact: 06/23/97

LUST Region 3: LUSTIS Database
Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147

Date of Government Version: 11/20/96
Database Release Frequency: Quarterly
Date of Last EDR Contact: 02/24/97
Date of Next Scheduled EDR Contact: 05/26/97

LUST Region 4: Underground Storage Tank Leak List
Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-266-7500

Date of Government Version: 01/23/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/07/97
Date of Next Scheduled EDR Contact: 07/07/97

LUST Region 5: Leaking Underground Storage Tank Database
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-255-3000

Date of Government Version: 01/27/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/14/97
Date of Next Scheduled EDR Contact: 07/14/97

LUST Region 6L: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-544-3481

Date of Government Version: 12/20/96
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/15/97
Date of Next Scheduled EDR Contact: 06/16/97

LUST Region 6V: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 619-241-6583

Date of Government Version: 01/22/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 04/14/97
Date of Next Scheduled EDR Contact: 07/14/97

LUST Region 7: Leaking Underground Storage Tank Case Listing
Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 619-346-7491

Date of Government Version: 12/18/96
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 03/03/97
Date of Next Scheduled EDR Contact: 06/02/97

LUST Region 8: (LUSTIS) Leaking Underground Storage Tanks
Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4130

Date of Government Version: 12/27/96
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 04/14/97
Date of Next Scheduled EDR Contact: 07/14/97

LUST Region 9: Leaking Underground Storage Tank Report
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 619-467-2952

Date of Government Version: 01/08/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/10/97
Date of Next Scheduled EDR Contact: 06/09/97

California Regional Water Quality Control Board (RWQCB) SLIC Records

SLIC Region 1: Active Toxic Site Investigations
Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220

Date of Government Version: 08/01/96
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/03/97
Date of Next Scheduled EDR Contact: 06/02/97

SLIC Region 2: North and South Bay Slic Report
Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-1255
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 12/20/96
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/27/97
Date of Next Scheduled EDR Contact: 06/23/97

SLIC Region 3: Active Slic Cases
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: 11/20/96
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 02/24/97
Date of Next Scheduled EDR Contact: 05/26/97

SLIC Region 4: SLIC Sites
Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-266-7544
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 01/01/97
Database Release Frequency: Quarterly

Date of Last EDR Contact: 04/09/97
Date of Next Scheduled EDR Contact: 07/07/97

SLIC Region 5: SLIC List
Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-255-3125
Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 10/31/96
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 12/04/96
Date of Next Scheduled EDR Contact: 04/21/97

SLIC Region 8: SLIC List
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4130

Date of Government Version: 12/20/96
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 04/18/97
Date of Next Scheduled EDR Contact: 07/14/97

SLIC Region 9: Nurds/Nugtank
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 619-467-2980

Date of Government Version: 07/05/95
Database Release Frequency: Annually

Date of Last EDR Contact: 03/10/97
Date of Next Scheduled EDR Contact: 06/09/97

Historical and 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.

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.

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DELISTED NPL: Delisted NPL Sites
Source: EPA
Telephone: 703-603-8769
DELISTED NPL: 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.

NFRAP: No Further Remedial Action Planned
Source: EPA/NTIS
Telephone: 703-416-0702
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.

FRDS: Federal Reporting Data System
Source: EPA/Office of Drinking Water
Telephone: 202-260-2805
FRDS provides information regarding public water supplies and their compliance with monitoring requirements, maximum contaminant levels (MCL's), and other requirements of the Safe Drinking Water Act of 1986.

Area Radon Information: 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.

Oil/Gas Pipelines/Electrical Transmission Lines: 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 and electrical transmission lines.

Sensitive Receptors: There are individuals who, due to their fragile immune systems, are deemed to be especially sensitive to environmental discharges. These typically include the elderly, the sick, and children. While the exact location of these sensitive receptors cannot be determined, EDR indicates those facilities, such as schools, hospitals, day care centers, and nursing homes, where sensitive receptors are likely to be located.

USGS Water Wells: In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. 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 more than 900,000 wells, springs, and other sources of groundwater.

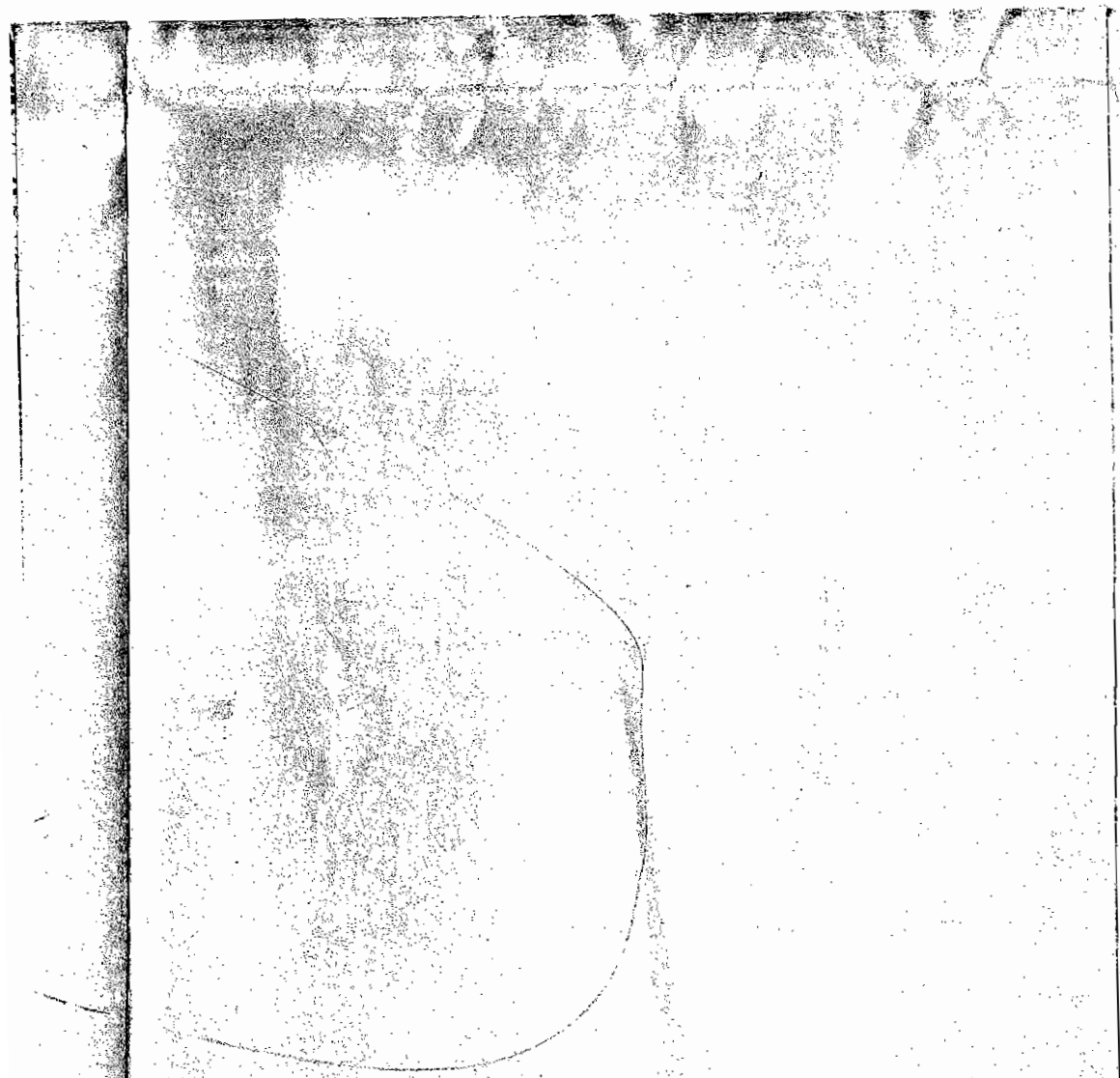
Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1994 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Water Dams: National Inventory of Dams
Source: Federal Emergency Management Agency
Telephone: 202-646-2801
WATER DAMS: National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

Earthquake Fault Lines in California: 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.

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.



CONNAISSANCE MAP

son Ranch - Phase V

ngeles County, California

Project No:	975048-001	ENVIROPACIFICA
Drafted By:	SM	
Scale:	1"=400'	
Date:	5/9/97	

Plate No. 1

GEOTECHNICAL REPORT OF INVESTIGATION AND 100-SCALE GRADING PLAN REVIEW FOR VESTING TENTATIVE TRACT MAP NO. 061996 LEGACY VILLAGE – ACTIVE ADULT COMMUNITY STEVENSON RANCH, PHASE V COUNTY OF LOS ANGELES, CALIFORNIA

Prepared for:

Stevenson Ranch Venture, LLC
23823 Valencia Boulevard
Valencia, California 91355

Project Number 061277-002

November 10, 2005

Leighton and Associates, Inc.
A LEIGHTON GROUP COMPANY

Leighton and Associates, Inc.
A LEIGHTON GROUP COMPANY

November 10, 2005

Project Number 061277-002

To: Stevenson Ranch Venture, LLC
23823 Valencia Boulevard
Valencia, California 91355

Attention: Mr. Alex Herrell

Subject: Geotechnical Report of Investigation and 100-Scale Grading Plan Review for Vesting Tentative Tract Map No. 061996, Legacy Village – Active Adult Community, Stevenson Ranch, Phase V, County of Los Angeles, California.

In accordance with your request and authorization, Leighton and Associates, Inc. (Leighton) has conducted a geotechnical investigation and 100-Scale grading plan review for Vesting Tentative Tract Map (VTTM) No. 061996, which depicts the proposed development associated with the Legacy Village – Active Adult Community Project, in Stevenson Ranch, Phase V, County of Los Angeles, California.

This report summarizes the findings of our geotechnical investigation and presents preliminary geotechnical data and recommendations for the proposed development of VTTM No. 061996. Pertinent geologic and geotechnical data collected by Leighton and others during previous site investigations and the development of the adjacent portions of Stevenson Ranch have been evaluated and are included, as pertinent, in this study.

Based on the findings summarized in the report, it is our professional opinion that the planned development of VTTM No. 061996 is feasible from the geologic and geotechnical points of view. With proper grading and implementation of the geotechnical recommendations contained herewith, the planned development will be safe from hazards of landslide, settlement, or slippage. Furthermore, proposed development of the subject tract will not adversely affect adjacent properties provided our recommendations concerning the proposed construction are followed.

26074 Avenue Hall, Suite 2 ▪ Santa Clarita, CA 91355-3444
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If you have any questions, please do not hesitate to contact any of the undersigned. We appreciate this opportunity to be of service.

Respectfully submitted,

LEIGHTON AND ASSOCIATES, INC.

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Plate 4 – Excavator Trench Logs – Sheets 1 and 2 (In Pocket)

Distribution: (1) Addressee
(1) Stevenson Ranch Venture, LLC
Attention: Mr. Bob Brazell
(1) Stevenson Ranch Venture, LLC
Attention: Mr. Damon Nygren
(1) Lennar Communities
Attention: Mr. Pete Casey

1. INTRODUCTION

1.1 General

Leighton and Associates, Inc. (Leighton) has performed a geotechnical investigation and 100-Scale grading plan review for Vesting Tentative Tract Map (VTTM) No. 061996, which depicts the planned development associated with the Legacy Village – Active Adult Community Project, in Stevenson Ranch, Phase V, in the County of Los Angeles, California. This report presents the results of the geotechnical investigation and grading plan review. The VTTM No. 061996 at a scale of 1-inch equals 100 feet prepared by Hunsaker & Associates (H&A), dated June 30, 2005, was utilized as the base map for presenting the geologic and geotechnical data gathered during this investigation.

Our recommendations are based on the results of our review of available data from adjacent off-site geotechnical studies, previous site specific investigations, our current field explorations, laboratory tests, and appropriate engineering and geologic analyses. The results of our field explorations, laboratory tests, and slope stability analyses are presented in the appendices attached to this report.

This work was performed for Stevenson Ranch Venture, LLC in general accordance with our proposal dated November 16, 2004.

1.2 Objective

The purpose of our study was to evaluate the existing geologic and geotechnical conditions of the site with respect to the planned development as shown on the VTTM No. 061996 and to provide preliminary geotechnical recommendations and design parameters for the planned development.

1.3 Scope of Work

The scope of work performed during our study consisted of the following:

- Review of previously published data, aerial photographs, geologic literature, and geotechnical and engineering geologic reports (see Appendix A);
- Preparation of a Field Exploration Map showing the locations of the proposed exploratory excavations and access roads for the review and approval by Stevenson Ranch Venture, LLC and its internal environmental group;
- Site visits to mark the locations of the proposed explorations for clearance by Underground Service Alert (USA) and to coordinate with Stevenson Ranch Venture's representatives and environmental consultants to obtain approval for each exploratory location;

- Retaining vendors and excavating subcontractors;
- Mobilizing Leighton personnel and exploration drilling and excavating equipment to the site;
- Conducting a S.B. 198 compliant tailgate safety meetings with all field personnel;
- Pioneering access roads and drill pads;
- Drilling, logging, and sampling 33 bucket auger borings;
- Drilling, logging, and sampling 16 hollow-stem auger borings;
- Performing Cone Penetrometer Test (CPT) soundings at 24 locations in the alluvial areas;
- Excavating and logging 53 backhoe test pits;
- Excavating and logging 3 excavator trenches;
- Performing laboratory tests of selected bulk and relatively undisturbed samples obtained from the exploratory excavations;
- Performing geologic and engineering analyses. The analyses performed included the following:
  - Review of historic aerial photographs;
  - Review of pertinent published regional maps and reports;
  - Review and evaluation of the available geologic and geotechnical data obtained during the previous and current explorations at the site;
  - Review of the VTTM No. 061996 plan prepared by Hunsaker & Associates;
  - Preparation of a Geotechnical Map;
  - Preparation of geotechnical cross-sections;
  - Slope stability analyses of selected critical geotechnical cross-sections and providing preliminary mitigation alternatives, as warranted;
  - Evaluation of the liquefaction potential and providing preliminary mitigation alternatives, as warranted; and,

- Characterization of the bedrock for construction uses.

- Coordination and performance of seismic surveys to evaluate the rippability characteristics of the onsite bedrock formations; and,

- Preparation of this report summarizing the findings and conclusions of our study and providing preliminary geotechnical recommendations for earthwork construction for the planned development.

2. SITE DESCRIPTION

The site of the planned development associated with VTTM No. 061996 consists of approximately 1,750 acres located along the northern flank of the Santa Susana Mountains in the Stevenson Ranch area of the County of Los Angeles, California (see Figure 1). The project site is predominantly undeveloped and is bounded on the northeast and east by the recently constructed junior high and senior high schools and the developed Tracts 33613, 49670, 49761, and 49762 of Stevenson Ranch; on the south by Pico Canyon and on the west and north by undeveloped areas of Newhall Ranch.

Minor existing on-site improvements consist of fill slopes, access roads, and a water tank site constructed in conjunction with the adjacent Tracts 33613, 49760, and 49761 of the Stevenson Ranch Development. Several unpaved or paved roads transect the site. Several oil-field facilities, including 25 abandoned, idle, and active oil wells and oil-field pipe lines, and other related structures are located within the project site area (EnviroPacifica 1997 and GeoSoils 1990). An easement for high-voltage power lines and a high-pressure gas line transects the site in a northeast-southwest direction with access provided to it by a dirt roadway known as the Edison-Potrero Mountainway.

The topography of the site consists of rugged, moderately to steeply sided ridges and incised canyons. The topography of the project site is controlled by the geologic structure of the underlying bedrock with consistent northwest/southeast striking ridge lines and northeast dip-slopes. Elevations at the site vary from a topographic high of approximately 1,960 feet above mean sea level (msl) in the southern portion of the site, to a low of approximately 1,150 feet above msl in the northernmost portion of the site.

The majority of the existing natural slopes on the site have gradients of 1.5:1 (horizontal to vertical) or flatter, although steeper slopes occur locally in the canyons, particularly on the south facing slopes (anti-dip) of the ridgelines. Localized slopes in the northeastern and eastern portions of the site have gentler gradients, with slopes inclined at approximately 2:1 and flatter.

The project site is predominantly drained by west and northwest trending canyons that continue into adjacent undeveloped properties. Three significant, geographically named canyons are located in the southern half of the site. These canyons are Long Canyon, Potrero Canyon, and Pico Canyon. Long Canyon and Potrero Canyon drain to the west and Pico Canyon drains to the east, These canyons ultimately drain to the Santa Clara River floodplain.

3. PROPOSED DEVELOPMENT

Based on the review of the VTTM No. 061996 plan prepared by Hunsaker & Associates (H&A), the planned development at the site will consist of four major development areas. The proposed development per designated area is as follows:

Area A – Lifestyles Community: single- and multi-family residential and recreational use; a water tank site; desilting basins; and private streets.

Area B – Valencia Commercial: senior assisted-living, multi-family, commercial, and recreational use; desilting basins; and public streets.

Area C – Long Canyon East: single- and multi-family residential, commercial, and recreational uses; a water tank site; desilting and water quality basins; a storm drain channel; and public streets.

Area D – The Boot (Pico Canyon): single-family residential use; desilting and water quality basins; and private and public streets.

The major infrastructure within the planned development will consist of the northwesterly extension of Pico Canyon Road, the northerly extension of Poe Parkway, and the southwesterly extension of Valencia Boulevard.

The planned development will be constructed by conventional cut and fill grading techniques. The proposed cut and fill slopes will be constructed at gradients of 2:1. The proposed maximum cut slope height is approximately 230 feet (proposed Cut Slope CS-46) located at the southern portion of development Area C - Long Canyon East. The maximum proposed fill slope height is approximately 150 feet (proposed Fill Slope FS-21) located at the southern perimeter of development Area D - Boot (Pico Canyon). The maximum depth of cut is approximately 155 feet within the southern portion of development Area A – Lifestyles Community. The proposed maximum depth of fill to be placed is approximately 120 feet in the northeastern portion of Area A – Lifestyles Community.

Details of the proposed storm drain channel along the southwest side of Area C – Long Canyon East have not been finalized as of the date of this report. However, we understand that the channel is planned to be lined with soil cement inclined at 1½:1 to 2:1. The channel depth is expected to be approximately 10 feet with the toe of the lining extending approximately 8 to 10 feet below the channel bottom for a total lining height of 18 to 20 feet.

4. PREVIOUS INVESTIGATIONS

Previous preliminary geotechnical investigations for the project site and immediate vicinity were conducted by GeoSoils, Inc. (GeoSoils), Leighton, and Allan E. Seward Engineering Geology, Inc. (AES). Pertinent data obtained from these investigations was reviewed and utilized in the preparation of this report. The pertinent reports are as follows:

- GeoSoils (GeoSoils, 1989a, 1989b, and 1991) for the entire Phase V area.
- Leighton and Associates, Inc. (Leighton, 1997, 1998a, 1999a, 1999b, and 1999c) for the developed school sites adjacent to the northeast side of the site and for the adjacent developed tracts to the east of the project site.
- Allan E. Seward Engineering Geology, Inc. (AES, 2004b and 2004c) for the adjacent VTTM No. 61105 located to the north and northwest of the project site.

5. FIELD EXPLORATIONS

Our field explorations included geologic mapping and subsurface explorations. The subsurface explorations consisted of drilling and logging 33 bucket auger and 16 hollow-stem auger borings to obtain data and samples for use in slope stability, liquefaction, and settlement analyses. The borings were supplemented by 53 backhoe test pits and 3 excavator trenches excavated to better define or to confirm the geologic mapping and structure. Additionally, Cone Penetration Test (CPT) soundings were performed at 24 locations to supplement the standard penetration test (SPT) data from the borings. The logs of the borings and test pits, and the results of the CPT soundings, are presented in Appendix B. The locations of our explorations are shown on the Geotechnical Map, Plate 1.

A rippability study using seismic surveys was performed at the project site to evaluate the excavation characteristics of the bedrock materials in areas of proposed deep cuts. Advanced Geoscience, Inc. performed eight seismic survey lines (SL-1, SL-2A, SL-2B, SL-3A, SL-3B, SL-4A, SL-4B, and SL-5. The approximate locations of the seismic lines are shown on Plate 2. Advanced Geoscience's report documenting the procedures and results of the rippability study is included in Appendix F.

6. LABORATORY TESTING

Laboratory tests were performed on selected samples obtained from the borings and backhoe test pits to aid in the classification of the soils and bedrock and to determine the pertinent engineering properties of the earth materials. The results of the tests are presented in Appendix C. The following tests were performed:

- Moisture content and dry density determinations;
- Gradation tests;
- Swell / settlement tests;
- Consolidation tests;
- Direct shear tests;
- Unconfined compression;
- Maximum dry density and optimum moisture content;
- Atterberg limits; and
- Expansion index.

7. GEOLOGIC SETTING

7.1 Regional Tectonic Setting

The site is located in the northeastern foothills of the Santa Susana Mountains, near the eastern end of the Western Transverse Ranges of southern California. The Transverse Ranges are a belt of east/west-trending folds and associated thrusts that formed in response to northeast to north-northeast crustal shortening that initiated in Pliocene time, approximately 4 to 5 million years before the present (Yeats and others, 1988). The area continues to undergo intense deformation by geological standards. As the region is compressed in a north-south direction, the bedrock units become progressively folded and faulted, forming valleys (such as Simi Valley, the Oxnard Plain, and the Ventura and Ojai Valleys), and uplands (including the Santa Monica Mountains, the Simi Hills, Big Mountain, South Mountain, and the Topatopa Mountains). Reverse faults and/or thrust faults generally bound these valleys and mountains.

7.2 Geologic Units

The project site is underlain by marine bedrock of the Pico Formation (Pliocene age) and marine and nonmarine bedrock of the Saugus Formation (late Pliocene, early Pleistocene age). The Pico Formation is exposed in the southern portion of the site and the Saugus Formation is the predominant bedrock formation in the northern portion of the site. The surficial deposits at the site consist of certified and uncompacted fill, younger and older alluvium, slopewash/colluvium, and debris flow and landslide deposits, overlying the bedrock formations. The surface distribution of these earth units is shown on the Geotechnical Map, Plate 1. A description of each of the geologic units encountered at the site follows.

7.3 Surficial Deposits

The bedrock at the site is mantled by a variety of surficial materials including certified and uncompacted/undocumented artificial fill, topsoil, slopewash/colluvium, younger and older alluvium, debris flows and landslide deposits. The descriptions of surficial deposits as observed by Leighton and other geotechnical consultants and investigators are as follows:

Certified Artificial Fill (Map Symbol caf)

Along the northeastern and eastern margin of the site, certified artificial fill has been placed in association with the construction of the existing school sites and the residential housing in Tracts 33613, 49760, and 49761 (including an existing water tank site). In general, these soils are sandy to silty with varying amounts of gravel and were derived from surficial deposits and on-site bedrock units, and were placed at relative compactions of greater than 90% (Leighton, 1998b, 1998d, and 1999e).

Uncompacted/Undocumented Artificial Fill (map symbol af)

Several areas of uncompacted/undocumented artificial fill are present within the project site. These include fills for the major gas line parallel to the power line easement, fills associated with drill-site access roads and drill pads for oil fields, and uncompacted fill stock piles associated with the adjacent developed areas. The fill soils generally consist of dry, porous and loose, silty sand, clayey sand, and sandy silt with gravel and cobbles. Where uncertified fill areas are known to be more than about 5 feet thick, they are delineated on the Geotechnical Map (Plate 1). Approximately 47 feet of uncertified fill, presumably associated with drill pads for oil wells, were observed in Boring LB-8. Approximately 23 feet of uncertified fill were observed in Boring LB-1 and 16 feet of uncertified fill were observed in LB-10. Evidence of surficial instability was observed in areas where these fills occur, particularly where fill slopes were constructed or fill spoils had been dumped or left along slopes.

Topsoil (No Map Symbol)

Except in canyon areas, a thin veneer of clayey silt with gravel mantles most of the slopes within the site. The topsoil is generally dry to slightly moist and very porous. Where the mantle of soil is less than about 5 feet in thickness, it was not mapped. Where thicker than about 5 feet, it was mapped as slopewash/colluvium.

Slopewash/Colluvium/ (Map Symbol: Qsw)

Slopewash is a collection of loose and generally heterogeneous soil materials and rock fragments deposited by rainwash and/or downslope creep. These deposits generally collect at the bases and the lower reaches of slopes, but can accumulate on elevated terraces along slopes and are generally thicker on dip slopes.

The general composition of the slopewash/colluvium at the site is moderate to dark brown silty sand, clayey sandy silt, and clayey silt with varying amounts of gravel and cobbles. The deposits are generally dry, loose/soft to moderately dense/firm, and moderately to highly porous, and are massive to very crudely bedded. The observed thickness of these deposits ranges from few feet up to 36 feet (Boring LB-33). The aerial distribution of these deposits is shown on Plate 1.

Younger Alluvium (Map Symbol: Qal)

Younger alluvium consists of stream-channel deposits of sand, silt, gravel, and cobbles that are transported by surface water, and are restricted to the bottoms of the main canyons and tributary channels. These deposits consist primarily of interbedded sand and silty sand mixtures with gravel, and varying amounts of interbedded, silts, sandy silts, few clays, gravels, cobbles, and localized boulders. The alluvial soils are light to medium brown, dry to moist, and loose, and contain varying amounts of organic debris. Boring HS-4 drilled in Potrero Canyon encountered alluvium to its total drilled depth (80 feet below the ground surface). Boring HS-8 drilled in Long Canyon encountered 67 feet of alluvium.

Older Alluvium (Map Symbol: Qoal)

Older alluvium deposits are generally indistinguishable from the younger alluvium except by geomorphic expression. Older alluvial deposits are generally higher in elevation from adjacent active stream channels that have been incised since deposition and are remnants of an older stream terrace level. Older alluvium is generally composed of light to dark brown sand or silty sand with localized lenses of gravel and cobbles. These sediments are generally well bedded to cross-bedded with gently dipping to subhorizontal bedding subparallel to the ground surface. Thicknesses of approximately 34 to 37 feet were encountered in Borings LB- 9 and LB-2, respectively. The basal contact of the older alluvium with the underlying bedrock of Saugus Formation, as observed in Borings LB-2 and LB-9, consists of a sharp, slightly irregular erosional surface.

Debris Flows/ Surficial Slumping (Refer to explanation of symbols, Plate 1)

Shallow debris flows commonly occur throughout the project site, particularly in the steep swales towards the tops of steep slopes. These deposits are generated when the surficial unconsolidated earth materials (like topsoil, colluvium/slopewash, and/or highly weathered bedrock) at the tops of steep slopes or at the heads of small drainage courses become saturated and quickly mobilized downslope. Based on their geomorphic expression and aerial extent (see Plate 1), the estimated thickness of these deposits ranges from 4- to 10-feet. A 4-foot thickness of debris flow material was observed in TP-1 at the southern portion of the site.

Landslide Debris (Map Symbol: Qls)

Deep-seated landslides have not been mapped or observed within the limits of the project site.

The mapped landslides are generally translational slides that failed along bedding planes due to erosion in the canyon bottoms and oversteepening of canyon side slopes, particularly in the areas where bedding planes daylight along the existing topographic profile. A few other landslides appear to have failed across bedding planes in localized areas of the project site. Landslide deposits generally consist of mixtures of broken and fractured bedrock materials, soil, clay seams, abundant calcium carbonate deposits, and debris from adjacent and underlying geologic units.

Landslide debris was observed in Boring LB-4 to approximately 12 feet below the ground surface (bgs), in Boring LB-6 to approximately 31 feet bgs, in Boring LB-7 to approximately 18 feet bgs, in Boring LB-17 to approximately 24 feet bgs, in Boring LB-20 to approximately 28 feet bgs, in Boring LB-28 to approximately 21½ feet bgs, and in Boring LB-29 to approximately 18 feet bgs. The limits of these landslides are depicted on Plate 1.

A relatively large landslide is mapped along the northeastern tract boundary, north of the existing high school and junior high school sites (LB-6 and LB-7 location, Plate 1). The majority of the landslide is located off site within the adjacent development area of Vesting Tentative Tract 61105. The landslide was also explored by AES, and found to be approximately 57 feet deep at Boring B-56E (AES, 2004b).

7.4 Bedrock Units

Pico Formation (Map symbol: Tp)

Outcrops of Pico Formation (mostly Pliocene age) are present in the southern/southwestern third of the project site. The bedrock materials consist of interbedded, light greyish brown, brown, and grey to blue-grey siltstones, sandstones, and conglomeratic sandstones. These bedrock materials were observed and logged as massive to bedded, hard to very hard, and slightly fractured. The cemented sandstone and conglomerate beds form the prominent ridges in the southern half of the site. The observed slope instability at the southern portion of the site generally occurs within the siltstone member of the Pico Formation. The upper contact of the Pico Formation appears to be conformable with the Saugus Formation within the project site.

Saugus Formation (Map symbol: TQs)

The Saugus Formation, of late Pliocene to middle/late Pleistocene age, is the predominant bedrock unit underlying approximately the northern two-thirds of the site. The Saugus Formation is composed of interbedded marine and nonmarine sandstones, gravelly sandstones/conglomeratic sandstones, siltstones, and claystones, and various mixtures of these lithologies. The age of the lower Saugus Formation is considered to be Pliocene based on sparse vertebrate fauna. On-site, the Saugus Formation locally interfingers and is conformable with the Pico Formation.

The upper Saugus Formation includes the 0.7 million years old Bishop tuff and it has a gradational relation with the overlying Pacoima Formation (Treiman 1986). This tuff bed was encountered during the grading of the recently constructed school sites and it is shown on Plate 1.

The Saugus Formation, as encountered in the exploratory excavations, generally consists of poorly to well bedded, fine-to-coarse-grained, silty and gravelly sandstones, and conglomeratic sandstones with occasional siltstones, sandy siltstones, and claystone interbeds. These materials are typically light yellowish brown, reddish brown, yellowish-grey and greyish brown in color, poorly to moderately cemented, moderately hard to hard, and locally friable. The clasts within the gravelly and conglomeratic sandstone units consist of subangular to subrounded gravels and cobbles that are predominantly igneous- and metamorphic-derived with scattered sedimentary clasts (sandy siltstone and fine-grained sandstone).

Pacoima Formation (Map Symbol: Qp)

The Pacoima Formation has been mapped by Treiman just inside the northeastern edge of the project site (Treiman, 1986). The Pacoima Formation bedrock, as observed by Leighton and Associates, Inc. (Leighton, 1997 and 1999c) during the grading of the adjacent school sites, consists of crudely bedded, light greyish brown to yellowish grey and reddish brown gravelly silty sandstone. The deposition of the Pacoima Formation occurred during a period of basin filling consisting of the locally interfingering sediments derived from the Santa Susana Mountains and the paleo-Santa Clara River floodplain sediments (Treiman, 1986).

The Pacoima Formation bedrock offsite and to the north of the project site is been mapped by Allan E. Seward (AES) as the upper member of the Saugus Formation (AES, 2004b). The bedrock materials observed by AES are well bedded and more finer-grained materials than the typical poorly bedded and coarser-grained sandstones characteristic of the type section of the Pacoima Formation as described by Oakeshott (Oakeshott, 1958).

At this time, the geologic nomenclature and map symbols used in this report are those previously reported for the school sites and as defined by Treiman (1986), until the nature and location of the contact between these two bedrock formations are observed by Leighton.

7.5 Geologic Structure

The site is located on the northeastern limb of a relatively young, actively deforming anticlinal structure known as the Pico Anticline. The axis of this anticline is located approximately 2.75 miles southwest of the site.

The predominant bedrock structure at the project site consistently strikes to the west-northwest and dips at moderate to high angles (between 40- to 75-degrees) to the north-northeast. In the northern portion of the project site bedrock of the Saugus Formation is folded by two east-southeast plunging structures identified as the Grapevine Mesa Syncline and the Lion Canyon Anticline. The axes of these folds appear to converge to the west of the power-line easement.

7.6 Ground Water

Borings HS-1 through HS-3 drilled in Pico Canyon encountered ground water between 7 and 13 feet below the ground surface (bgs). Borings HS-4 and HS-6 drilled in Potrero Canyon encountered ground water between 48 and 75 feet bgs. Borings HS-9 and HS-12 encountered ground water between 25 and 50 feet bgs. Borings HS-13 and HS-14 drilled in the canyon located at the northwestern portion of the project site encountered ground water between 15 and 23 feet bgs. Borings HS-15 and HS-16 drilled in the canyon located at the north-northeastern portion of the site encountered ground water between 9 and 40 feet bgs. A deep bucket auger boring (Boring LB-27) encountered ground water at 128 feet bgs. Ground water seeps were observed at varying depths in Borings LB-22, LB-23, LB-28, and LB-29. The depths to groundwater and seeps as encountered in our exploratory excavations are indicated in the attached logs (Appendix B) and on Plate 1. The hollow-stem-auger borings (HS series) were drilled at the end of January through the beginning of February 2005, during the middle of an exceptionally rainy winter.

8. FAULTING AND SEISMICITY

8.1 General

Southern California is a seismically active area. As such, the area is subject to seismic hazards from numerous sources in the area. The severity of the potential seismic hazards is related to the geology of the area, distance to the seismic source, and the magnitude of the earthquake generated by the seismic source. The principal seismic hazards that should be considered during the project design include the potential for surface rupture along active or potentially active fault traces and the intensity of seismic shaking. In addition, large earthquakes may be accompanied by secondary seismic hazards including liquefaction, seismically induced settlement and landsliding, and lateral spreading.

8.2 Faulting

Regional Active Faults

Numerous faults have been mapped within the southern California region. The closest active and potentially active fault systems that could produce significant ground shaking at the site include:

Fault Name	Approximate Distance (miles)	Maximum Earthquake Magnitude (Mw)
Santa Susana	<0.1	6.6
Holser	<0.1	6.5
Northridge / East Oak Ridge	1.7	6.9
San Gabriel	3.1	6.9
Oak Ridge	6.2	6.9
Sierra Madre / San Fernando	7.2	6.7
San Cayetano	8.9	7.0
San Andreas	20	7.8

Local Faulting and Fault Rupture

To protect structures from the hazard of surface ground rupture along a well-defined fault line, the California Geological Survey (CGS), under the State-mandated Alquist-Priolo Act of 1972, has delineated "Earthquake Fault Zones" along active and potentially active faults (Hart and Bryant, 1999). A fault is considered active if there is either directly observable or inferred evidence of movement along one or more of its segments in the last 11,000 years. A well-defined fault is one in which "its trace can be clearly detectable by a trained geologist as a physical feature at or just below the ground surface." A well-defined fault may be identified by either direct or indirect methods. If a site is located within an Earthquake Fault Zone, a detailed fault investigation is required prior to construction. No active or potentially active faults have been mapped or are known to cross the project site and the project site does not lie within an Alquist-Priolo Earthquake Fault Zone (APEFZ). The nearest APEFZ is located approximately 1 mile to the east of the project site.

Leighton (Leighton 1997) established a structural setback zone along the northeastern portion of the adjacent school sites (see Plate 1). This structural setback zone was preliminarily established by AES based on earthquake distress studies (AES 1995a and 1996a) conducted in the adjacent Westridge Project to the east of the existing school sites, and in Tracts 44338 and 33689 of the Stevenson Ranch Project (GeoSoils 1994; and AES 1995b) about 1 mile to the east of the school sites. This structural setback zone projects offsite to the northwest into the adjacent VTTM 61105 to the north of the project site. AES has defined the zone of deformation associated with Leighton's structural setback as a "Monoclinal Warp" in VTTM 61105 (AES, 2004b). Based on the field investigation conducted by AES in VTTM 61105, AES concluded that the potential for ground rupture associated with the "Monoclinal Warp" is negligible.

The bedding structure of the Saugus Formation bedrock at the northern portion of the project site is folded by the Grapevine Mesa Syncline and the Lion Canyon Anticline. Leighton has evaluated the potential for faulting associated with these two structural folds by excavating three excavator trenches (ET-1 through ET-2) across the mapped axes of these folds. The trenches were geologically logged at a scale of 1" = 10'. The locations of the trenches are shown on Plate 1 and the trench logs are shown in Plate 4.

The Grapevine Mesa Syncline and the Lion Canyon Anticline were exposed in Trench ET-1 at Stations 135 and 461, respectively. Minor faulting primarily observed along bedding planes or near parallel to bedding planes was observed at, and in the vicinity of, the exposed Grapevine Mesa Syncline axis. These minor faults were constrained within the exposed bedrock materials and did not extend into the overlaying younger deposits. Minor subsidiary folding was also observed to the north of the exposed Lion Canyon Anticline axis between Stations 471 and 511.

Trench ET-2 was excavated in an east-west trending canyon bottom across the previously mapped location of the Grapevine Mesa Syncline axis. However, only unfolded bedrock of Saugus Formation was observed in this trench. Based on this finding and additional field mapping in the general vicinity of Trench ET-2, it appears that the fold axis of the Grapevine Mesa Syncline is located to the south of Trench ET-2.

Trench ET-3 exposed the Lion Canyon Anticline axis near Station 300. Although the fold axis was not clearly exposed in this trench due to the massive appearance of the sandstone unit and the ground surface disturbance associated with the existing access road, a very distinctive and highly sheared clayey siltstone bed was correlated on either side on the fold. No faults or shears were observed within the underlying and massive sandstone unit at the location of the fold axis. Minor folds, soft sediment deformation, and faults (generally along or near parallel bedding planes) within the Saugus Formation bedrock were observed between Stations 200 and 335. The observed faults did not extend into the overlaying younger sediments.

Based on our observations and findings from these trenches, the potential for ground rupture associated with the Grapevine Mesa Syncline and the Lion Canyon Anticline is considered negligible at the site. Similar findings with respect to the potential for faulting and rupture hazard associated with the Lion Canyon Anticline were reported by Allan E. Seward (AES) during the field studies conducted for VTTM 61105 adjacent to the west of the project site (AES, 2004).

8.3 Historic Seismicity

A search was performed for earthquakes that had occurred between 1800 and 2004 within 100 miles (169 km) of the subject site using the computer program EQSEARCH (Blake, 2000a). The search was limited to earthquakes of magnitude 4.0 or greater. Approximately 1,000 magnitude 4.0 or greater earthquakes were found. The results of the search, modified to list only earthquakes of magnitude 5.0 or greater, is presented in Appendix E.

8.4 Probabilistic Seismic Hazard Analysis

According to CDMG, 1997b, the probabilistically determined predominant earthquake for the site has a moment magnitude (Mw) of 6.6 with an epicenter located approximately 2 kilometers (1¼ miles) away. The predominant earthquake does not refer to any specific earthquake on any specific fault, but rather to the effects on an earthquake occurring on a nearby fault.

The anticipated peak ground acceleration at the site ranges from 0.8g to 1.0g depending upon the underlying materials and specific location within the site.

We used the program FRISKSP, Version 4.0 (Blake, 2000b) with the fault set prepared by Cao et al (2003), to perform a probabilistic seismic hazard analysis (PSHA) to calculate the peak ground acceleration (PGA) for the site for the California Building Code (CBC, 2001) specified Design-Basis Earthquake (the PGA with a 10% probability of exceedance in 50 years). Considering the size and orientation of the site, we evaluated the PGA at three locations, at the northern end of Area A (34.4130N, 118.6090W), between Areas B and C (34.3950N, 118.6140W), and Area D (34.3840N 118.6090W). Furthermore, since the subsurface conditions beneath the proposed structures will range from soft bedrock in cut areas to thick compacted fill in areas, both soft rock (CBC Type S_C, 520 m/s) and stiff soil (CBC Type S_D, 250 m/s) sites were considered. The attenuation relationships developed by Boore et al (1997), Campbell (1997 and 2000), Sadigh et al (1997) were used in the analyses in accordance with the Los Angeles County Department of Public Works (LADPW) requirements (LADPW, 2001). The results of the analyses for the California Building Code (CBC, 2001) specified Design-Basis Earthquake (the PGA with a 10% probability of exceedance in 50 years) are presented in the following table. The published PGA for the site from the Seismic Hazard Report for the Newhall Quadrangle (CDMG, 1997b) are also presented in the table.

Peak Ground Acceleration (PGA) in g's
(10% probability of exceedance in 50 years)

Area A (Northern)	**CBC Type S_C (Soft Rock) (520 m/s, Soft Rock, Rock)**		**CBC Type S_D (Stiff Soil) (250 m/s, Alluvium, Deep Soil)**	
Attenuation	Not Weighted	MWF for M_W = 6.6	Not Weighted	MWF for M_W = 6.6
Boore et al	0.76	0.76	1.20	1.20
Campbell	0.89	0.89	0.79	0.79
Sadigh et al	0.83	0.83	0.75	0.75
AVERAGE	**0.83**	**0.83**	**0.92**	**0.92**
CDMG	----	0.73	----	0.74

Areas B and C (Central)	**CBC Type S_C (Soft Rock) (520 m/s, Soft Rock, Rock)**		**CBC Type S_D (Stiff Soil) (250 m/s, Alluvium, Deep Soil)**	
Attenuation	Not Weighted	MWF for M_W = 6.6	Not Weighted	MWF for M_W = 6.6
Boore et al	0.78	0.76	1.23	1.20
Campbell	1.00	0.94	0.87	0.83
Sadigh et al	0.90	0.85	0.81	0.76
AVERAGE	**0.89**	**0.85**	**1.00**	**0.93**
CDMG	----	0.79	----	0.79

Area D (Southern)	CBC Type S_C (Soft Rock) (520 m/s, Soft Rock, Rock)		CBC Type S_D (Stiff Soil) (250 m/s, Alluvium, Deep Soil)	
Attenuation	Not Weighted	MWF for M_W = 6.6	Not Weighted	MWF for M_W = 6.6
Boore et al	0.78	0.76	1.24	1.21
Campbell	1.07	1.00	0.91	0.87
Sadigh et al	0.94	0.89	0.84	0.79
AVERAGE	**0.93**	**0.88**	**1.00**	**0.95**
CDMG	----	0.89	----	0.84

8.5 Secondary Seismic Hazards

In addition to surface rupture due to faulting and seismic shaking, other effects of seismic activity include liquefaction, seismically induced settlement, and landsliding, and lateral spreading.

Liquefaction

Liquefaction is the loss of strength in saturated, loose to medium dense, cohesionless soils subjected by ground vibrations. The vibrations cause increases in the pore water pressures if the soils are not sufficiently permeable to dissipate these pressures during and immediately following an earthquake. When the pore water pressure is equal to or exceeds the overburden pressure, liquefaction of the affected soil layers occurs. For liquefaction to occur, three conditions are required:

- Ground shaking of sufficient magnitude and duration;
- Soils that are susceptible to liquefaction; and
- A groundwater level being at or above the level of the susceptible soils during the ground shaking.

Even if some soil layers do liquefy, the affects of the liquefaction will not be observed on the ground surface if a sufficient thickness of non-liquefiable soils overlies the liquefiable soils.

For purposes of evaluating the liquefaction potential at the site, the ground water level and soil density were considered. Soils above the measured ground water level were considered to be non-liquefiable. Soils below the groundwater level were considered to be non-liquefiable where testing indicated that they have an $(N_1)_{60}$ value of greater than 30. (The $(N_1)_{60}$ value is the SPT blow count normalized to a depth of approximately 20 feet.)

The mayor canyons located within the project site (Pico Canyon, Potrero Canyon, Long Canyon, and the north-south trending canyon at the northern portion of the site) are located within the Seismic Hazard Zone for liquefaction (CDMG, 1998). The CDMG map does not show groundwater levels for the site. Groundwater was encountered in some of the canyons during the field explorations as shown in Tables B-1 and B-2 (Appendix B).

While the ground water level is relatively shallow in Pico Canyon, so is the bedrock. The ground water appears to be perched on the bedrock. Potentially liquefiable soils are recommended to be removed; therefore, the potential for liquefaction occurring is considered to be low.

In Potrero Canyon, the ground water level is deep and the alluvial soils are dense. The potential for liquefaction occurring in the portion of Potrero Canyon within the areas of proposed development is considered to be low.

In Long Canyon, the ground water level is generally deep and the alluvial soils are dense below the water level. The potential for liquefaction occurring in the portion of Long Canyon within the areas of proposed development is considered to be low.

In the canyon in the north-northwest portion of the site, the ground water level is shallow. However, the soils are dense and the liquefaction potential is considered to be low.

In the canyon in the north-northeast portion of the site, the ground water level is variable. However, the soils are dense and the liquefaction potential is considered to be low.

Seismically Induced Settlement

Ground settlement may occur during seismic shaking of an area. The settlement can be caused by liquefaction of loose to medium dense granular soils and by compression of soft, but not necessarily liquefiable, soils. Soils above and below the groundwater level can be susceptible to seismically-induced settlement.

At the subject site, the loose to medium dense soils in the canyons and side of slopes are recommended to be removed and replaced with compacted fill. Therefore, the potential for seismically induced settlement affecting the site is considered low.

Lurching and Lateral Spreading

Lurching and lateral spreading can occur in loose soils, especially near exposed slopes. The conditions for lurching or lateral spreading to occur were not observed at the site.

Seismically Induced Landslides

The Seismic Hazard Zones maps published by the State of California (CDMG, 1998), indicate that the majority of the site is susceptible to seismically-induced landslides. The steep topography of the site predominantly dictates that the on-site natural slopes are classified as being susceptible to seismically-induced landslides.

9. OIL WELLS

Several oil-field facilities, including 25 abandoned, idle, and active oil wells and oil-field pipe lines, and other related structures are located within the project site area (EnviroPacifica 1997 and GeoSoils 1990).

We understand that the locations of these oil wells, as known by the California Division of Oil, Gas, and Geothermal Resources (DOGGR) maps and previous preliminary environmental studies (EnviroPacifica 1997 and GeoSoils 1990), have been surveyed by Hunsaker & Associates. The approximate locations of the identified oil wells are shown on the attached Plate 2. Some of these oil wells are located within the proposed development areas of the site.

10. SLOPES

10.1 Slope Stability

After a review of the general geologic conditions at the site and the proposed grading for VTTM No. 061196, geotechnical cross-sections were drawn for representative proposed cut slopes, fill slopes, and landslides. The cross-sections are presented on Plate 3, Geotechnical Cross-Sections. Based on the review of the VTTM, cut slopes up to 230 feet in height are planned. There will also be numerous natural slopes adjacent to, and between, each major development area of the VTTM. We have analyzed the natural slopes considered most critical with respect to the planned development. These include the natural slopes above the proposed channel in development Area C – Long Canyon East and the natural slopes above the proposed Pico Canyon road alignment in development Area D – The Boot (Pico Canyon). The results of our slope stability analyses are presented in Appendix D.

10.2 General

A total of 62 cut slopes are proposed for site based on the revised plan. These slopes and have been informally designated as CS-1 through CS-62. The proposed cut slopes will be sloped at a gradient of 2:1 or flatter. Data specific to the various cut slopes, including slope height, gradient, and underlying geologic conditions are summarized in Table 1, Summary of Cut Slopes. Fill slopes, with maximum heights of 155 feet, are planned at gradients of 2:1 or flatter. The features of the major proposed fill slopes are summarized in Table 2, Summary of Fill Slopes.

10.3 Geologic Factors

Slopes within the planned development are underlain by bedrock units of the Saugus and Pico Formations. These formations can range from massive to thinly bedded sedimentary rock units. Bedding planes within the two formations are poorly to moderately-well developed, and can constitute significant planes of weakness, particularly where sandstone/conglomerate beds are in contact with siltstone or claystone beds. In addition, thin (from paper-thin up to 5-inches thick) formational and/or flexural (tectonic related) clay beds occur within the bedrock formations. Where bedding is adversely oriented, or "daylighted," with respect to natural or cut slopes, potential for bedding plane, or "block-glide," failure exists. Geotechnical Cross-Sections, presented on Plate 3, depict the proposed grading reflected relative to the subsurface geologic conditions.

10.4 Geologic Sections and Stability Analyses

The existing ground surface, proposed grading scheme, and subsurface geologic structure are shown on the Geotechnical Sections that are presented on Plate 3. The locations of the sections are shown on the Geotechnical Map, Plate 1.

10.5 Rippability Study

A rippability study using seismic surveys was performed at the project site to evaluate the excavation characteristics of the bedrock materials in areas of proposed deep cuts. Advanced Geoscience, Inc. performed eight seismic survey lines (SL-1, SL-2A, SL-2B, SL-3A, SL-3B, SL-4A, SL-4B, and SL-5) at the approximate locations shown on Plate 2. The lengths and locations of the seismic lines were selected as allowed by the existing topographic terrain and accessibility to the areas of the proposed deep cuts. The rippability evaluation of the bedrock materials at the site was based on the rippability performance of Caterpillar D8R through D11R dozers versus seismic velocity charts as published in the Caterpillar Performance Handbook. The Advanced Geoscience's report documenting the procedures and results of the rippability study is included in Appendix F.

Based on the results of the rippability study, extremely difficult ripping or blasting should be anticipated for the planned cuts for Lots 1844 through 1853 in development Area D - Boot (Pico Canyon) below elevations ranging from 1730 feet to 1750 feet mean sea level (msl). Marginal ripping may be encountered under seismic lines SL-2A and SL-2B below elevations ranging from 1600 feet to 1630 feet msl and under seismic line SL-3A below elevation 1480 feet msl.

11. GEOLOGIC AND GEOTECHNICAL CONCLUSIONS

11.1 General

Based on the geologic and geotechnical data developed during this investigation and our review of other relevant published and unpublished geologic and geotechnical reports for the project site and vicinity, it is our opinion that the proposed development for VTTM No. 061996 is feasible provided that our recommendations are incorporated into the design of the project.

11.2 Faulting

No active or potentially active faults have been mapped or are known to cross the project site and the project site does not lie within an Alquist-Priolo Earthquake Fault Zone (APEFZ). The nearest APEFZ is located approximately 1 mile to the east of the project site.

The potential for surface rupture associated with the Grapevine Mesa Syncline and the Lion Canyon Anticline is considered negligible.

11.3 Peak Ground Acceleration

The probabilistically determined predominant earthquake for the site has a moment magnitude (Mw) of 6.6 with an epicenter located approximately 2 kilometers (1¼ miles) away. The anticipated peak ground acceleration at the site ranges from approximately 0.8g to 1.0g depending the underlying materials and location within the site.

11.4 Liquefaction Potential

Most of the site is within bedrock and there is essentially no potential for liquefaction occurring in those areas. Due to a combination of relatively dense soils and deep ground water, the potential for liquefaction to occur in alluvial areas of the site is considered to be low. Mitigation for liquefaction does not appear to be required.

11.5 Landslides

No deep-seated landslides are identified within the planned development of the site. The landslides within the grading areas will be removed by the planned cuts and/or will be removed by the recommended remedial removals as shown on Plate 2.

11.6 Debris Flow Hazard

Based on our review of the proposed grading for VTTM No. 061996, the following areas with potential for debris flow hazards have been identified:

Area A – Lifestyles Community: Lots 622, 627, and 187 through 189.

Area B – Valencia Commercial: Lot 1109.

Area C – Long Canyon East: Lots 1629 through 1630, 1650, and 1661 through 1664.

Area D – The Boot (Pico Canyon): Lots 1807 through 1809.

The areas prone to debris flows identified above are based on field mapping and our review of the 100-scale plans and, as such, are preliminary. A more definitive determination of potential debris flow hazard should be performed at the 40-scale grading plan review stage.

Mitigation measures for the areas with potential for debris flows may include construction of debris basins or debris walls designed to contain the anticipated volume of debris, or establishing setbacks from ascending slopes.

11.7 Slopes

Analyses of the design cut and fill slopes showed that the planned slopes will have the minimum required factor of safety. However, some of the slope will require stability or buttress fills to achieve that factor of safety. The locations of the stability and buttress fill keyways are shown on Plate 2. The need for stability or buttress fills is also indicated in Table 1.

11.8 Oil Wells

At least 25 abandoned idle, and active oil wells and oil-field pipe lines, and other related structures are located within the project site.

All oil wells located within the project site should be field checked and reviewed by the California Division of Oil, Gas, and Geothermal Resources (DOGGR) prior to conducting any grading within VTTM No. 061996. Selected oil wells within the planned development areas may require abandonment, re-abandonment, or venting as per current DOGGR requirements. If during grading any previously unknown well is discovered, DOGGR must be notified immediately to determine plugging and abandonment requirements.

Contents of former field facilities (pipe lines, sumps, and other related structures) should be located, removed, and legally disposed offsite.

11.9 Expansive Bedrock

The expansion potential for the clayey siltstone and claystone beds of the Pico and Saugus Formations ranges from low to very high. Recommendations to reduce the potential for differential expansion should be developed as part of the review of the rough grading plans for the project. The expansion potential of the lots should be determined at the completion of rough grading. The soils at some of the lots should be expected to be expansive and post-tensioned slabs or other mitigations will likely be required.

11.10 Rippability

In general, the planned grading operations for most of the proposed development can be performed using conventional grading equipment.

Based on our field observations and experience on the adjacent sites, we investigated the areas of the project site most likely to contain hard rock. However, heavy ripping or unrippable rock may be encountered in areas of the planned development not identified in this report.

Based on the results of the rippability study, extremely difficult ripping or blasting should be anticipated for the planned deep cuts for Lots 1844 through 1853 in development Area D – The Boot (Pico Canyon) below elevations ranging from 1730 feet to 1750 feet msl. Marginal ripping may be encountered under seismic line SL-2A and SL-3B (in development Area D) below elevations ranging from 1600 feet and 1630 feet msl and under seismic line SL-3A (in development Area B) below elevation 1480 feet msl. Areas anticipated to require marginal ripping and/or blasting are indicated on Plate 2.

Heavy ripping may be needed when excavating other localized well-cemented sandstone or conglomerate beds in the deeper cuts planned within the Pico Formation bedrock.

11.11 Restricted Use Areas

No restricted use areas (RUAs) have been established for the planned development as shown on the tentative tract map at this time.

12. RECOMMENDATIONS

12.1 General

The planned development at the site will consist of four major development areas for single- and multi-family residential and commercial use and associated infrastructure. To bring the site to the proposed grades, the placement of up to 120 feet of compacted fill and excavation of up to 155 of the tops of ridges will be required. The fill slopes are planned to be inclined at 2:1 or flatter. Cut slopes are also planned to be inclined at 2:1 or flatter. Stability fills, and possibly some buttresses, will be required. The proposed slopes should be reevaluated during the 40-scale rough grading plan review. Prior to placing the proposed compacted fill, existing uncertified fill and disturbed natural soils should be removed.

After excavating the existing uncertified fill soils, weak or compressible upper natural soils should be excavated. Required fill should be compacted. Typical one- and two-story residential, commercial, and light industrial buildings may be supported on shallow footings established in the compacted fill. The floor slabs may be supported on grade. Both the footings and the floor slabs should be reinforced. Post-tensioned slabs may be used.

12.2 Additional Explorations and Laboratory Testing

Additional explorations and laboratory should be expected to be required as part of the review of the rough grading plan (40-Scale). The tests should supplement the current explorations and laboratory tests to allow additional evaluation of the proposed slopes and recommended removal depths. The proposed water tank sites and Long Canyon channel lining will require detailed investigations to address the specific features of each.

The planned development for VTTM No. 061996 includes two proposed water tank sites. At this time, the proposed water tank sites appear to be feasible. However, site specific investigations should be performed to confirm the subsurface geologic conditions and to develop recommendations for design and earthwork construction for the each of the water tank sites. It is Leighton's understanding that the proposed water tank sites along the northern perimeter of the development Area A – Lifestyles have been addressed by Allan E. Seward in a geologic and geotechnical report for Vesting Tentative Tract 61105, dated July 22, 2004 (AES, 2004c).

A soil cement lined channel is proposed along the southwest side of Long Canyon. While preliminary indications are that suitable materials for use in soil cement are available at the site, a soil cement lining investigation should be performed along the alignment of the channel. This investigation could be performed separately or as part of the 40-scale rough grading plan review.

12.3 Grading

Site grading, including the removal and replacement of existing uncertified fill soils and the upper on-site soils, the excavation of bedrock, and the placement of on-site and possibly imported materials, will be required to bring the site to the desired grades. Final rough grades should be sloped so as to minimize sheet flow over the faces of slopes and erosion of completed slopes.

Tentative Map Grading Revision

Generally, the proposed grades shown on the VTTM used as the base for the attached Geotechnical Map are applicable. However, in order to achieve the minimum required factor of safety for the proposed cut slope CS-16 above Lots 824 through 827 located in development Area A – Lifestyles, some remedial measures are required that will affect the indicated grades. The recommended mitigation consists of moving the toe of the proposed cut slope CS-16 out approximately 20 to 50 feet. As indicated on the Remediation Map, Plate 2 (sheet 2 of 6).

Site Preparation

Site preparation will consist of removal of unsuitable materials and should include the following:

- Removal of existing vegetation and debris from the site.
- Removal of underground structures from prior uses of the site.
- Removal, relocation, or protection of existing utility lines that are to remain.
- Complete removal of uncertified fills, topsoil, colluvium/slopewash, debris flow, and landslide debris prior to fill placement.
- Complete and partial removals of the unsuitable surficial earth materials as indicated below and shown on Plate 2.
- Complete removals of younger and older alluvium, uncertified fills, and weathered bedrock under planned fills in the smaller canyons.
  - Partial removal of younger and older alluvium under planned fills within the main and other large canyons. The upper alluvial soils should be removed down to soils having a density corresponding to a relative compaction of at least 85% or as recommended by Leighton during grading.

  - Partial removal of certified fill areas along the eastern perimeter of the proposed development. It is anticipated that the upper 5 feet of the existing certified fill will be removed prior of subsequent fill placement. Deeper removals may be required in other areas within the existing certified fill.

- Proof-rolling of the exposed soils with a heavy vehicle and further excavation to remove pumping or other soils that are found to be unsuitable to support compacted fill or structures. Proof rolling of the exposed soils at the bottom of the excavation prior to placing fill should be observed by Leighton.

Leighton should also observe and approve the subgrade at the bottom of the excavation prior to placing fill. After the bottom of the excavation has been approved, the bottom should be surveyed and the results submitted to the owner and to Leighton for use in preparation of a report of observation and testing for the site.

Compaction

Required fill soils should be placed in accordance with the following recommendations:

- The exposed subgrade soils should be scarified to a depth of about 6 inches, brought to about optimum moisture content, and then compacted to least 93% of the maximum dry density of the soils as determined by the ASTM Designation D1557-02 Method of Soil Compaction.

- The fill soils should be placed in layers that do not exceed 8 inches in thickness per layer when compacted. Each layer should be spread evenly and thoroughly mixed during spreading to promote uniformity of the materials and moisture content.

- The moisture content of the fill soils should be adjusted by moistening or drying as necessary to bring the moisture content of the soils at the time of compaction to approximately 110% to 120% of optimum moisture content. The moisture content should be uniform throughout the soils. Where expansive materials are predominant, the moisture content of the fill soils prior to placement may need to be somewhat higher; this should be evaluated by Leighton during grading.

- Fill soils, except where specifically designated, should be compacted to at least the following densities:

  - Unless other wise explicitly recommended, fill soils should be compact to at least 90% of their maximum dry density.
  - Soils that contain less that 5% particles passing the No. 200 Standard Sieve should be compacted to at least 95% percent of their maximum dry density.

  - Soils that will be overlain by more than 30 feet of fill should be compacted to at least 93% percent of their maximum dry density.

- The placement and compaction of fill materials should be under Leighton's continuous observation.

Materials for Fill

Both on-site and imported materials may be used in the required compacted fills and backfills. The materials should be relatively free of debris or organic matter and have an expansion index of less than 30. Materials with an expansion index greater than 30 should not be used within 8 feet of proposed building pad surfaces or within 10 feet of slope faces. Within fills, the materials should be free of cobbles and boulders greater than 8 inches in size with no more than 25% of the materials being larger than 4 inches in size. Larger materials should be reduced in size prior to placement in fills or placed in accordance with the recommendations for "Oversize Materials" given in the following section. Within backfills, the materials should be free of cobbles and boulders greater than 4 inches in size.

Prior to the placement of compacted fill in slopes, the shear strength when compacted to 90% of its maximum dry density of the material proposed to be used should be tested to confirm that it has at least the shear strength parameters used in the analyses of the slopes.

A bulk sample of potential import material, weighing at least 50 pounds, should be submitted to Leighton at least 48 hours before fill operations. All proposed import materials should be approved by the Geotechnical Consultant prior to being placed at the site.

Oversize Materials

Oversize material defined as rock, or other irreducible material with a maximum dimension greater than 8 inches, should not be buried or placed in fill unless the locations, materials, and placement methods are specifically accepted by the Geotechnical Consultant. Placement operations should be such that nesting of oversized material does not occur and such that oversize material is completely surrounded by compacted or densified fill. Oversize material should not be placed within 10 vertical feet of finish grade or within 2 feet of future utilities or underground construction. Additional specific recommendations for the placement of oversize materials should be developed and included in the 40-scale rough grading plan review.

Shrinkage and Bulking

The materials at the site consist of bedrock, uncertified fill, and alluvium/colluvium. The amount of shrinkage or bulking during grading will depend on actual degree of compaction achieved. The following estimates are based on the fill soils being compacted to between 90 and 93 percent of the maximum dry density obtainable using the ASTM D 1557-02 method of compaction. The anticipated weighted shrinkage or bulking of the on-site materials is presented in the following table. For planning purposes, the range of shrinkage and bulking of the encountered materials is also shown. The materials exhibit wide ranges of shrinkage and bulking.

Material	Average Minimum Anticipated Volume Change (based on 90% compaction)	Average Maximum Anticipated Volume Change (based on 93% compaction)
Existing Uncertified Fill Af	15% shrinkage (range 4% to 29% shrink)	19% shrinkage (range 8% to 33% shrink)
Alluvium Qal	4% shrinkage (range 10% bulk to 24% shrink)	6% shrinkage (range 7% bulk to 28% shrink)
Colluvium/Slopewash Qsw	10% shrinkage (range 4% bulk to 29% shrink	13% shrinkage (range 0% to 33% shrink)
Saugus Formation TQs	1% bulk to 2% shrink (range 20% bulk to 17% shrink)	2% to 4% shrinkage (range 18% bulk to 21% shrink)
Pico Formation Tp	5% bulk to 1% shrink (range 16% bulk to 14% shrink)	2% bulk to 1% shrink (range 13% bulk to 18% shrink)

Temporary Slopes

The soils encountered at the site are not expected to stand vertically for any significant length of time in cuts over 3 feet high. Where the necessary space is available, temporary (less than 30 days) unsurcharged embankments may be sloped back without shoring. For planning purposes, temporary slopes in alluvium may be excavated to heights of up to 15 feet at an inclination of ¾:1 and to heights of 25 feet at an inclination of 1:1. In bedrock with favorable bedding, temporary slopes up to 45 feet in height may be excavated at an inclination of ¾:1. Higher slopes and slopes in bedrock with adversely oriented bedding should be addressed on a case by case basis. For preliminary planning purposes, temporary slopes up to about 75 feet in height in adversely bedded bedrock should be sloped back at 1½:1 or flatter. Higher slopes should be sloped back at 2:1 or flatter. More specific recommendations for temporary slopes can be developed during review of the rough grading plans.

Where there is insufficient space to slope back the excavation, shoring or sequential excavation may be required. If the temporary construction embankments are to be maintained during the rainy season, berms are recommended along the tops of the slopes where necessary to prevent runoff water from flowing over and eroding the slope faces.

Where sloped embankments are used, the tops of the slopes should be barricaded to prevent vehicles and storage loads within 7 feet of the tops of the slopes. A greater setback may be necessary when considering heavy vehicles, such as concrete trucks and cranes; we should be advised of such heavy vehicle loading so that specific setback requirements can be established.

All applicable safety requirements and regulations, including OSHA regulations, should be met.

Permanent Slopes

Compacted fill slopes may be inclined at 2:1 or flatter. Drainage benches and terraces in accordance with the Los Angeles County Building Code should be provided.

Cut slopes are expected to be entirely within bedrock materials. Where the bedding in the bedrock is neutral to favorable, permanent cut slopes may be made at 2:1 or flatter. Where the bedding is adverse, the allowable inclination should be evaluated for each slope. Where there is insufficient room to flatten slopes that will expose adversely oriented bedding, stability fills or buttresses may be required. Stability fills may also be required where friable beds are exposed.

Stability fills should also be placed as required to control seepage along daylighted bedding plans and to mitigate erosion even though the slopes are grossly stable. The need for stability fills should be evaluated during the rough grading plan review. The keyway locations of the major recommended stability fills are shown on Plate 2 and noted for the affected cut-slopes in Table 1.

Where stability fills are recommended, they should extend for the length and height of the affected slopes. The minimum keyway widths should be no less than 15 feet or what the compaction equipment being used can compact, whichever is greater. Subdrains (backdrains) should be provided at the backcut as described in the following section. The stability fills should be keyed and benched into competent earth materials as recommended in this report or determined by the Project Geotechnical Consultant during construction. Stability fills should be constructed in accordance with the details shown in Figure 3.

At some locations, the excavation for the lots will result in the lot being above a natural slope (daylight-cut-lots). Based on our review of the VTTM No. 061996, the following daylight-cut-lots were identified:

Area A – Lifestyles Community: Lots 19 and 20.

Area D – The Boot (Pico Canyon): Lots 1823, 1824, 1828, 1829, and 1854.

To stabilize the yard portions of these lots, a row of soldier piles should be provided along the top of the slope or the portion of the lot nearest the slope should be over-excavated and compacted fill placed. The compacted fill should be reinforced with a geogrid. Additional details for the piles and/or geogrid reinforced compacted fill should be developed during the rough grading plan review process.

Subdrains

Canyon subdrains should be installed to intercept and remove groundwater from within canyon fill areas. The subdrains should extend up-canyon, with the upper ends of the drain lines carried to within 15 feet of the final pad grade. Specific design and location details should be developed during the 40-scale grading plan review for the project.

Subdrains (backdrains) should also be provided behind stabilization fills, buttress fills, side hill fills, and as otherwise recommended by the Geotechnical Consultant during grading operations.

The subdrains should have a minimum 2% gradient. The upstream ends of subdrains should be capped. The final 20 feet of pipe at the downstream end of canyon, or through a slope face should not be perforated or slotted. Provisions should be made at all times during construction to prevent damage to the subdrain from construction equipment, and to prevent soils from being washed into an exposed subdrain by surface waters.

Canyon subdrains may be installed in a "V" ditch or rectangular trench excavated to expose competent material and should be approved by the Engineering Geologist. The subdrains should be surrounded by at least 9 cubic feet of granular material per lineal foot. There should be at least 6 inches of compacted granular material on all sides of the pipe. The granular filter material for subdrains should meet the Los Angeles County Flood Control District (LACFCD) Designation F1, or have a gradation approved by the Geotechnical Engineer prior to placement.

Backdrains should be provided for all stability and fills. The backdrains should consist of 4-inch-diameter perforated pipe and be surrounded by at least 3 cubic feet of granular material per lineal foot. The vertical spacing of the backdrains should be a maximum of 25 feet, with a horizontal spacing of 100 feet between discharge lines. Where seepage is encountered, additional backdrains should be installed. Backdrain outlets should consist of non-perforated pipe. The gradient should be at least 2% to the discharge end.

Subdrain and backdrain excavations should be observed by Leighton. The subdrains and backdrains should be surveyed by the Project Surveyor to establish line and grade during construction, and for future location reference. The completed subdrains and backdrains should be observed by Leighton prior to being backfilled.

Overexcavation

In addition to the removals recommended in the Site Preparation section, overexcavation should be performed to mitigate conditions that will occur at some of the planned lots. For preliminary planning purposes, the following remedial grading recommendations should be anticipated:

- **Lot Cap:** The bedrock beneath the site consists of alternating beds of sandstone and siltstone. To decrease the potential for infiltration of water into the more permeable beds, a compacted fill cap should be placed over cut areas where the grade at the completion of grading will be flatter than 5:1. The fill cap should be at least 3 feet in thickness and consist of a relatively impermeable material such as would be obtained by blending the excavated on-site sandstone and siltstone.

- **Cut Lots and Transition Lots:** Some of the lots will be in cut areas and others will be over bedrock/natural soil or bedrock/compacted fill contacts where ridges are excavated. These conditions should be mitigated prior to construction of structures on the affected lots. Evaluation of the expected locations of these lots should be performed as part of the review of the rough grading plans for the tract. The placement of a fill cap of at least 5 feet in thickness and extending at least 3 feet below proposed foundations, together with additional reinforcing of the footings and floor slabs in the transition lots, is expected to be at least part of the mitigation for transition lots.

- **Expansive Bedrock:** Where expansive bedrock is encountered, the bedrock should be overexcavated sufficiently to allow placement of at least 5 feet of compacted fill consisting of relatively non-expansive soils beneath the building foundations.

- **Hardscape Areas:** The placement of a 3-foot thick cap of compacted fill beneath pavement and hardscape areas is expected to be part of the recommended mitigation measures during rough and/or precise grading of the tract.

The need for some of the above overexcavation will likely be reduced if post-tensioned slabs and footings are used for the proposed buildings.

Geotechnical Observation

The grading operations should be observed by Leighton's representative, who should have at least the following duties:

- Observe the excavation so that any necessary modifications based on variations in the soil/rock conditions encountered can be made.
- Observe the exposed subgrade in areas to receive fill and in areas where excavation has resulted in the desired finished subgrade. The representative should also observe proof rolling and delineation of areas requiring overexcavation.
- Evaluate the suitability of on-site and import soils for fill placement; collect and submit soil samples for required or recommended laboratory testing where necessary.
- Observe the fill and backfill for uniformity during placement.
- Test fill for field density and compaction to determine the percentage of compaction achieved during fill placement.
- Geologic observation of the cut slopes, keyways, backcuts and geologic exposures during grading conformance with the conditions anticipated in the report and to make adjustments to the grading based on the directly observed conditions.
- Observe benching operations.
- Observe canyon cleanouts for subdrains, and subdrain installation.
- Observe removal of all landslide debris where specified.
- Observe partial and complete removals of the younger and older alluvium and the slopewash/colluvium.

The governmental agencies having jurisdiction over the project should be notified before commencement of grading so that the necessary grading permits can be obtained and arrangements can be made for required inspection(s). The contractor should be familiar with the inspection requirements of the reviewing agencies.

12.4 Erosion Protection

As observed in our explorations, friable sandstone beds occur within the Saugus Formation. Where exposed in graded slopes, these beds could be subject to erosion and rilling, due to the lack of cementation. Under most circumstances, the erosion can be controlled by the establishment of vegetative cover upon completion of grading. The abundance of erosion susceptible beds should be determined during grading. Extensive or thick deposits of the friable beds may warrant the construction of stability fills.

In order to reduce the potential for erosion, cut and fill slopes should be seeded or planted with proper ground cover as soon as possible following grading. The ground cover should consist of drought-resistant, deep-rooting vegetation. A landscaping expert should be consulted for ground cover recommendations.

12.5 Foundations

Typical one- and two-story residential, commercial, and industrial buildings may be supported on shallow footings established in compacted fill. Continuous footings should be used beneath perimeter walls and other load-bearing walls. The footings should extend beneath window and door openings. All footings should be reinforced with longitudinal steel.

Bearing Capacity: For preliminary design purposes, spread footings may be designed to impose a net dead plus live load pressure of 2,000 pounds per square foot (psf) when established in properly compacted fill soils. The bottoms of the footings for one- and two-story residential buildings and single story non-residential buildings should extend at least 18 inches, and footings for taller buildings should extend at least 24 inches, below the lowest adjacent final grade or floor level. If at the completion of rough grading, the surface materials are determined to be expansive, the footings may need to be deepened. The footings should be at least 12 inches wide.

The recommended bearing value is a net value, and the weight of concrete in the footings maybe taken as 50 pounds per cubic foot (pcf); the weight of soil backfill may be neglected when determining the downward loads from the buildings. A one-third increase in the bearing value may be used when considering wind or seismic loads.

While the actual bearing value of the fill placed at the site will depend on the materials used and the compaction methods employed, the quoted bearing value will be applicable if acceptable soils are used and are compacted as recommended. The bearing value of the fill should be confirmed during grading.

Settlement: The settlement of the proposed buildings will depend on the loads imposed. The actual anticipated settlements can be calculated after completion of consolidation tests on the in-place fill. For typical one- and two-story buildings, differential settlements are expected to be less than ½ inch in 30 feet.

Lateral Resistance: Lateral loads may be resisted by soil friction and by the passive resistance of the soils. A coefficient of friction of 0.3 may be used between the footings and the floor slabs and the supporting soils. The passive resistance of compacted fill soils may be assumed to be equal to the pressure developed by a fluid with a density of 250 pcf foot to a maximum of 2,000 psf. A one-third increase in the passive value may be used for wind or seismic loads. The frictional resistance and the passive resistance of the soils may be combined without reduction in determining the total lateral resistance.

Foundation Observation: To verify the presence of satisfactory soils at foundation design elevations, the foundation excavations should be observed by the Geotechnical Consultant. The excavations should be deepened as necessary to extend into satisfactory soils. Where the foundation excavations are deeper than 4 feet, the sides of the excavations should be sloped back at ¾:1 or shored for safety.

Inspection of foundation excavations may also be required by the appropriate reviewing governmental agencies. The contractor should be familiar with the inspection requirements of the reviewing agencies.

12.6 Site Coefficient

Under the Earthquake Design regulations of Chapter 16, Divisions IV and V of the 2001 CBC, the following coefficients and factors apply to lateral-force design for structures at the site.

SEISMIC ZONE	Z = 0.4	Z = 0.4
SOIL PROFILE TYPE	S_C, Soft Rock	S_D, Stiff Soil
Near-Source Factor N_a	1.3	1.3
Near-Source Factor N_v	1.6	1.6
Seismic Coefficient C_a	0.52	0.57
Seismic Coefficient C_v	0.90	1.02
Period, T_o*	0.14	0.14
Period, T_s*	0.69	0.72
* Use with Figure 16-3 of 1997 UBC.		

Fault Type	Nearest Fault	Distance (km)	Magnitude
A	San Andreas (1857 Rupture)	35	7.8
B	Santa Susana	< 1.0	6.6

12.7 Soil Corrosivity

Since significant grading will be required to develop the site as planned, soil corrosivity tests were not performed. Soil corrosivity testing should be performed at the completion of rough grading of the site.

13. 111 STATEMENT

Provided that the recommendations in this report and the provisions of the Los Angeles County Code are implemented, it is Leighton's opinion that the planned development as shown on the VTTM No. 061996 used as the base of the attached Geotechnical Map, will be safe from the hazards of landslide, settlement, or slippage, and that the completed grading and proposed development will not adversely affect the stability of adjacent properties.

14. LIMITATIONS

Leighton's professional observations and recommendations presented in this report are based on the review of previously issued reports and available geotechnical literature and hazard mapping, field observations field explorations, laboratory testing, and engineering analyses. Leighton's work was performed using the degree of care and skill ordinarily exercised by the geotechnical profession at this time and locality. No other warranty, either expressed or implied, is made as to the conclusions and professional opinions presented in this report.

The conclusions and recommendations in this report are based in part upon data that were obtained from a necessarily limited number of observations, site visits, excavations, samples and tests. Such information can be obtained only with respect to the specific locations explored, and therefore may not completely define all subsurface conditions throughout the site. The nature of many sites is that differing geotechnical or geological conditions can occur within small distances and under varying climatic conditions. Furthermore, changes in subsurface conditions can and do occur over time, whether they be due to natural processes and events, or to human activities on this, or adjacent, sites.

Considering the limited scope of the investigation, the presented conclusions and recommendations should be considered preliminary and subject to revision. Additional explorations, testing, and analyses should be performed prior to finalizing the design for the development. Conditions revealed in future investigations and during grading excavations may be at variance with preliminary findings. If this occurs, the changed conditions should be evaluated by the geotechnical consultant and additional recommendations obtained, as warranted. Changes in applicable or appropriate codes and standards of practice may occur, whether they result from legislation or the broadening of knowledge. Accordingly, this report may become wholly or partially invalid by changes outside Leighton's control.

This report is issued with the understanding that it is the responsibility of the owner, or of his representative, to ensure that the information and recommendations contained herein are brought to the attention of the necessary design consultants for the project and incorporated into the project plans and specifications for the planned development.

The identification and testing of hazardous, toxic or contaminated materials were outside the scope of Leighton's work. Should such materials be encountered at any time, or their existence be suspected, all measures stipulated in Local, County, State and Federal regulations, as applicable, should be implemented.

This report is intended only for the use of the Stevenson Ranch Venture, LLC and their design consultants in the planning and preliminary design of the subject development.

15. CLOSURE

If parties other than Leighton are engaged to provide construction geotechnical services, they must be notified that they will be required to assume complete responsibility for the geotechnical phase of the project by concurring with the findings and recommendations in this report or by providing alternative recommendations.

Any persons using this report for bidding or construction purposes should perform such independent investigations as they deem necessary to satisfy themselves as to the surface and subsurface conditions to be encountered and the procedures to be used in the performance of work on the subject site.

Table 1
Summary of Cut Slopes
Vesting Tentative Tract Map No. 061196

Cut Slope	Slope Gradient	Approx. Slope Height (Feet)	Slope Face Direction	Geologic Formation	Cross Section	Geologic Condition	Mitigation (See Note)
CS-1	2:1	80	NE	Saugus Fm. (TQs)		Possible Daylighted Bedding	Stability Fill
CS-2	2:1	80	NE	Saugus Fm. (TQs)	3-3'	Possible Daylighted Bedding	Stability Fill
CS-3	2:1	100	SE	Saugus Fm. (TQs)		Daylighted bedding	Stability Fill
CS-4	2:1	100	W	Saugus Fm. (TQs)	2-2'	Favorable Bedding	None
CS-5	2:1	80	W	Saugus Fm. (TQs)		Favorable Bedding (Globally Stable)	Portions of Slope Require Stability Fill
CS-6	2:1	120	S and SW	Saugus Fm. (TQs)	4-4'	Favorable Bedding	
CS-7	2:1	80	SE	Saugus Fm. (TQs)		Possible Daylighted Bedding	Stability Fill
CS-8	2:1	70	N	Saugus Fm. (TQs)		Possible Daylighted Bedding	Slope may require Stability Fill
CS-9	2:1	110	w	Saugus Fm. (TQs)		Favorable Bedding	None
CS-10	2:1	100	NW	Saugus Fm. (TQs)		Favorable Bedding	None
CS-11	2:1	150	N	Saugus Fm. (TQs)	8-8'	Favorable Bedding	None
CS-12	2:1	180	N and NE	Saugus Fm. (TQs)	7-7' 7a-7a'	Favorable Bedding	None
CS-13	2:1	160	E-SE	Saugus Fm. (TQs)		Favorable Bedding	None
CS-14	2:1	110	NE	Saugus Fm. (TQs)	16-16'	Favorable Bedding	None
CS-15	2:1	130	NE	Saugus Fm. (TQs)		Favorable Bedding	Portions of Slope Require Stability Fill
CS-16	2:1	90	N-NW	Saugus Fm. (TQs)	18-18' 18a-18a'	Adverse Clay Beds	Toe of proposed slope should move 20' to 50' out at the Rear of Lots 824 through 827

Cut Slope	Slope Gradient	Approx. Slope Height (Feet)	Slope Face Direction	Geologic Formation	Cross Section	Geologic Condition	Mitigation (See Note)
CS-17	2:1	80	SE	Saugus Fm. (TQs)	'	Favorable Bedding	Portions of Slope Require Stability Fill
CS-18	2:1	160	W	Saugus Fm. (TQs)	6-6'	Favorable Bedding	Stability Fill Required Below Fill Slope
CS-19	2:1	110	E-NE	Saugus Fm. (TQs)	18-18'	Favorable Bedding	None
CS-20	2:1	80	N	Saugus Fm. (TQs)	16-16'	Favorable Bedding	Portions of Slope Require Stability Fill
CS-21	2:1	130	NE	Saugus Fm. (TQs)	17-17'	Favorable Bedding	Portions of Slope Require Stability Fill
CS-22	2:1	120	N-NW	Saugus Fm. (TQs)		Favorable Bedding	Portions of Slope Require Stability Fill
CS-23	2:1	120	NW	Saugus Fm. (TQs)		Favorable Bedding	None
CS-24	2:1	90	W	Saugus Fm. (TQs)		Favorable Bedding	None
CS-25	2:1	100-150	S and SE	Saugus Fm. (TQs)	19-19'	Favorable Bedding	Portions of Slope Require Stability Fill
CS-26	2:1	90	NW	Saugus Fm. (TQs)		Favorable Bedding	Stability Fill Required Below Fill Slope
CS-27	2:1	110	W-NW	Saugus Fm. (TQs)		Favorable Bedding	Stability Fill Required Below Fill Slope
CS-28	2:1	110	N-NE	Saugus Fm. (TQs)	22-22'	Favorable Bedding	None
CS-29	2:1	70	NE	Saugus Fm. (TQs)		Favorable Bedding	None
CS-30	2:1	70	NW	Saugus Fm. (TQs)		Favorable Bedding	Stability Fill Required Below Fill Slope
CS-31	2:1	70	E-NE	Saugus Fm. (TQs)		Favorable Bedding	None
CS-32	2:1	90	S	Saugus Fm. (TQs)		Favorable Bedding	None
CS-33	2:1	70-90	NW	Saugus Fm. (TQs)		Favorable Bedding	Portions of Slope Require Stability Fill
CS-34	2:1	120	W	Saugus Fm. (TQs)		Favorable Bedding	Portions of Slope Require Stability Fill

Cut Slope	Slope Gradient	Approx. Slope Height (Feet)	Slope Face Direction	Geologic Formation	Cross Section	Geologic Condition	Mitigation (See Note)
CS-35	2:1	160	W	Saugus Fm. (TQs)		Favorable Bedding	None
CS-36	2:1	70-80	W and NW	Saugus Fm. (TQs)		Favorable Bedding	None
CS-37	2:1	110	W	Saugus Fm. (TQs)	14-14'	Favorable Bedding	Portions of Slope Require Stability Fill
CS-38	2:1	90	S	Saugus Fm. (TQs)		Favorable Bedding	None
CS-39	2:1	90	S	Saugus Fm. (TQs)		Favorable Bedding	None
CS-40	2:1	90	SW	Saugus Fm. (TQs)	10-10'	Favorable Bedding	Portions of Slope Require Stability Fill
CS-41	2:1	100	SW	Saugus Fm. (TQs)	10-10'	Favorable Bedding	None
CS-42	2:1	100	SW	Saugus Fm. (TQs)		Favorable Bedding	Portions of Slope Require Stability Fill
CS-43	2:1	60	S	Saugus Fm. (TQs)	11-11'	Favorable Bedding	Stability Fill Required Below Fill Slope
CS-44	2:1	150	N	Saugus Fm. (TQs) / Pico Fm (Tp)	11-11'	Favorable Bedding	None
CS-45	2:1	160	N	Saugus Fm. (TQs)		Favorable Bedding	None
CS-46	2:1	230	NE	Saugus Fm. (TQs)	13-13'	Favorable Bedding	Stability and Buttress Fills Required for the Lower Portion of the Slope and the Natural Slope Between Cut Slopes
CS-47	2:1	90	NE	Saugus Fm. (TQs)		Favorable Bedding	None
CS-48	2:1	90	NE	Saugus Fm. (TQs) / Pico Fm (Tp)		Favorable Bedding	None
CS-49	2:1	70	N-NE	Pico Fm. (Tp)		Favorable Bedding	None
CS-50	2:1	90	E and SE	Saugus Fm. (TQs) / Pico Fm (Tp)		Favorable Bedding	Portions of Slope Require Stability Fill
CS-51	2:1	100	N	Saugus Fm. (TQs) / Pico Fm (Tp)		Favorable Bedding	None

Cut Slope	Slope Gradient	Approx. Slope Height (Feet)	Slope Face Direction	Geologic Formation	Cross Section	Geologic Condition	Mitigation (See Note)
CS-52	2:1	70-120	E	Pico Fm. (Tp)	20a-20a' 20b-20b'	Favorable Bedding	Portions of Slope Require Stability Fill
CS-53	2:1	120	W	Pico Fm. (Tp)	20a-20a' 20b-20b'	Favorable Bedding	Portions of Slope Require Stability Fill
CS-54	2:1	130	W	Pico Fm. (Tp)		Favorable Bedding	Portions of Slope Require Stability Fill
CS-55	2:1	140	SW	Pico Fm. (Tp)		Favorable Bedding	None
CS-56	2:1	80	SW	Pico Fm. (Tp)		Favorable Bedding	None
CS-57	2:1	170	SW	Pico Fm. (Tp)		Favorable Bedding	Portions of Slope Require Stability Fill
CS-58	2:1	70	N	Pico Fm. (Tp)	26-26'	Favorable Bedding	None
CS-59	2:1	80-140	NE	Pico Fm. (Tp)	25-25'	Favorable Bedding	None
CS-60	2:1	90	NE	Pico Fm. (Tp)		Favorable	None
CS-61	2:1	70	SW	Pico Fm. (Tp)	29-29'	Favorable	Portions of Slope Require Stability Fill
CS-62	2:1	130	SW	Pico Fm. (Tp)		Favorable	Portions of Slope Require Stability Fill

* Stability fills may be required for slopes where weathered bedrock and/or daylighted bedding are anticipated; or to mitigate seepage or erosion even though the slopes are grossly stable.

Table 2
Summary of Fill Slopes
Vesting Tentative Tract Map No. 061996

Cut Slope	Slope Gradient	Approximate Slope Height (Feet)	Slope Face Direction	Cross Section
FS-1	2:1	155	W	1-1'
FS-2	2:1	90	W	
FS-3	2:1	90	E	
FS-4	2:1	90	N-NE	
FS-5	2:1	140	N-NW	
FS-6	2:1	90	N	
FS-7	2:1	140	SW	
FS-8	2:1	70	N-NW	
FS-9	2:1	130	W	
FS-10	2:1	60	W	10-10'
FS-11	2:1	130	W	
FS-12	2:1	100	S	
FS-13	2:1	40	N	
FS-14	2:1	60	W	
FS-15	2:1	120	W	
FS-16	2:1	100	SW	
FS-17	2:1	100	SW	
FS-18	2:1	55	S	
FS-19	2:1	40-60	W-SW	
FS-20	2:1	90	W	
FS-21	2:1	150	SE	27-27'
FS-22	2:1	130	SE	
FS-23	2:1	75	S	
FS-24	2:1	90	S	

SITE LOCATION MAP

VESTING TENTATIVE TRACT MAP NO. 061996

LEGACY VILLAGE - PHASE V

STEVENSON RANCH, CALIFORNIA

Project No. 061277-002

Scale (approx) NTS

Engr./Geol BOK/JGS

Date Nov. 10, 2005

Leighton and Associates, Inc.

Figure No. 1

Adapted from Charles W. Jennings, 1994, Fault Activity map of California and Adjacent Areas. CDMG 1994

REGIONAL FAULT MAP

VESTING TENTATIVE TRACT MAP NO. 061996

LEGACY VILLAGE - PHASE V

STEVENSON RANCH, CALIFORNIA

Project No.	061277-002
Scale (approx)	1:750,000
Engr./Geol	BOK/JGS
Date	Nov. 10, 2005

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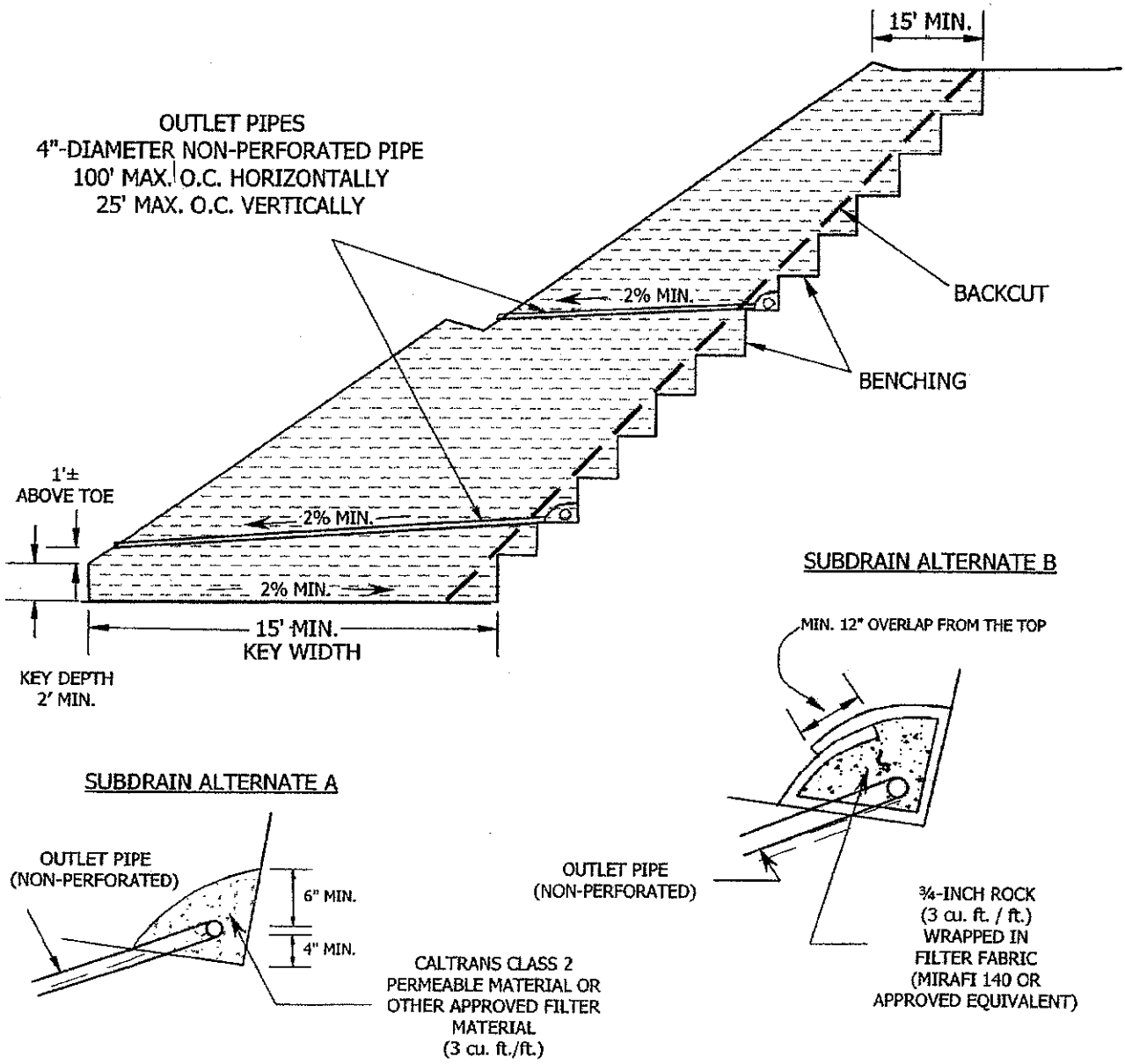
Figure No. 2



- SUBDRAIN INSTALLATION – Either slotted of perforated pipe may be used for the subdrain collector pipe. Slotted pipe may be used with either Alternate A or B. Perforated pipe should only be used with Alternate B. The collector pipes should have a gradient at least 0.2% to the outlet pipes.
- PERFORATED PIPE - Perforated pipe should be installed with perforations down and have at least 8 perforations uniformly spaced per foot and at 120 degrees apart. The perforations should be 1/4" to 1/2" in diameter.
- SUBDRAIN PIPE - Subdrain pipe overlain by 50 feet or less of fill may be SDR 35. Pipe overlain by more than 50 feet of fill should be Schedule 80.
- Outlet pipes should be non-perforated pipe. The outlet pipe should be placed in a trench and, after fill is placed above it, the integrity of the pipe should be verified. The outlet pipes should have a gradient at least 2% to the outlet.

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BUTTRESS AND STABILITY FILL SUBDRAINS

Rev. 02/05

FIGURE 3

APPENDIX A

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Aerial Photographs

Date	Flight	Frames	Scale	Agency
6/15/1938	AXJ-51	40-42	1:24,000	USDA
6/30/1952	C-17727-14	46-48	1:14,400	Fairchild

APPENDIX B

FIELD EXPLORATION PROGRAM

APPENDIX B

FIELD EXPLORATION PROGRAM

General

Leighton's subsurface explorations consisted of borings, test pits, cone penetration test (CPT) soundings, and excavator trenches. These explorations were supervised and logged by qualified Leighton representatives. The earth materials encountered were visually classified in accordance with the Unified Soil Classification System (USCS). Geologic contacts and stratigraphic boundaries are indicated on the logs. Some soil types transition gradually. The approximate locations of the borings, test pits, CPT soundings, and excavator trenches are shown on Plate 1.

Reconnaissance

Prior to conducting the subsurface explorations, a reconnaissance of the site was carried out by Leighton's personnel. The locations of the borings, test pits, CPT soundings, and excavator trenches were chosen to obtain subsurface information at locations appropriate for the objective of this Tentative Tract Map Review.

Additional joint site visits were performed by Leighton's personnel with representatives from Stevenson Ranch/Lennar, the Gas Company, KCS Medallion, and other project consultants to minimize the potential for encountering or damaging existing pipes and utilities during field explorations. The joint site visits also included field review of environmentally sensitive areas marked by others to minimize the impacts of our field exploration program.

Underground Service Alert (USA) was contacted to provide clearance for drilling with respect to any underground utility lines.

Based on the site reconnaissance, a map was prepared showing the locations of the proposed exploratory excavations and temporary access roads. The map was submitted for review and approval by Stevenson Ranch's representatives and its environmental consultants.

Leighton encountered no underground utility lines during its explorations.

Current Explorations - Borings

The subsurface conditions in the hillside areas were explored by drilling 33 borings using a truck-mounted drill rig with a 24-inch diameter bucket-auger to depths of between 39 and 140 feet below ground surface (bgs). The drilling was performed by Tri-Valley Drilling Company between January 2004 and April 2005; except for Boring LB-24, which was drilled by J & N Drilling, Inc. on March 16, 2005. In addition to being logged while being drilled, the borings were down-hole logged by a Professional Geologist or a Certified Engineering Geologist. The borings were designated LB-1 through LB-33 and the logs of the borings are attached. The borings were backfilled with materials generated during their excavation. The current borings are summarized on Table 1.

Additionally, the subsurface conditions in the canyons were explored by drilling 16 borings using a truck-mounted drill rig with an 8-inch diameter hollow-stem-auger to depths of between 24 and 70 feet below ground surface (bgs). The drilling was performed by WDC Exploration & Drilling and by Martini Drilling Company from January 25, 2005, through February 4, 2005. The borings were designated HS-1 through HS-16 and the logs of the borings are attached. The borings were backfilled with materials generated during their excavation. The borings are summarized on Table 2.

Current Explorations - Test Pits

The shallow subsurface conditions were explored by excavating a total of 53 test pits that are designated TP-1 through TP-50b (Test Pits 33, 49, and 50 actually consist of two pits). The test pits were excavated by Dennis Platt Construction, Inc. between July 21, 2004 and May 5, 2005, using a four-wheel drive rubber-tired backhoe. The test pits were backfilled with the materials generated during their excavation. The descriptive logs are attached.

Current Explorations - Cone Penetrometer Test Soundings

The alluvial areas in the main canyons were explored by conducting Cone Penetration Test (CPT) soundings to a maximum depth of 62 feet bgs. Holguin, Fahan & Associates performed the CPT soundings from July 21 through July 23, 2004. The CPT soundings were designated CPT-1 through CPT-24. Where the presence of cobbles and boulders resulted in refusal at shallow depths, the location of the CPT sounding was relocated, but kept within 5 feet of the original test location. The relocated soundings were assigned alpha suffixes (e.g. CPT-1A). For data mapping and analysis purposes, the deepest CPT at each location was used. The CPT data are attached.

Current Explorations - Excavator Trenches

The excavator trenches were excavated by Larry Price and Adobe Co. between April 22 and May 25, 2005. Excavation of the trenches was supervised by Leighton's personnel and the walls of the trenches were logged by our Certified Engineering Geologists. The logs of the trenches are shown on Excavator Trench Log, Plate 4.

Current Sampling

Leighton personnel obtained relatively undisturbed and bulk samples for laboratory inspection and testing from the borings and test pits at the depths indicated on the logs. The number of blows to achieve a 12-inch penetration of the sampler was recorded and is shown on the logs. The blow counts provide an indication of the density or consistency of the earth materials.

The undisturbed samples were obtained by driving a Modified California Split-Spoon Sampler, with a 3.0-inch outside diameter, into the bottom of the boring as it was being incrementally advanced. The barrel of the sampler was lined with six 1-inch-high by 2.41-inch inside diameter sampling rings. The rings containing the undisturbed samples were placed in plastic cans and labeled. The bulk samples were placed in plastic bags.

The variation in weight with depth for each of the kelly bars of the bucket auger drill rigs used to drive the sampler is shown in Table B-3. The kelly bar was dropped 12 inches for each blow unless otherwise indicated. When sampling with the hollow-stem auger drill rigs, a standard hammer weighing 140 pounds with a drop of 30 inches was used.

Undisturbed samples from the test pits were obtained by hand-driving a Modified California Split-Spoon Sampler into the bottom of the test pit as it was excavated.

In addition to obtaining undisturbed and large bulk samples, Standard Penetration Tests (SPT) were performed in each of the hollow-stem auger borings. The results of the tests are indicated on the boring logs. The SPTs were performed in accordance with the ASTM D1586 Test Method. Samples of the materials obtained from the SPT sampler were placed in plastic bags and transported to our laboratory.

Previous Explorations

The logs of the previous explorations performed at or near the site by Leighton and GeoSoils that were utilized in the current investigation are attached. The locations of the explorations are shown on Plate 1. Additional details of the explorations are given in the referenced reports.

Table B-1

Explorations Summary
(Bucket Auger Borings)

Location	Equip.* (24"-dia.)	Date	Elevation (feet)	Total Depth (feet)	Depth to Bedrock (feet)	Depth to Groundwater (feet)	Comments
LB-1	8	07/21/04	1398	40	23	NE	af/TQs
LB-2	8	07/22/04	1360	55	37	NE	Qoal/TQs
LB-3	7	07/23/04	1602	50	12	NE	Qsw/ Qcol/TQs
LB-4	8	07/23/04	1450	80	12	NE	Qls/TQs
LB-5	8	07/26/04	1495	65	0	NE	TQs
LB-6	7	07/26/04	1330	80	31	NE	Qls/TQs
LB-7	7	07/28/04	1335	50	18	NE	af/Qls/TQs
LB-8	8	07/28/04	1412	65	48	NE	af/Qsw/TQs
LB-9	8	07/28/04	1340	55	34½	NE	Qoal/TQs
LB-10	8	07/29/04	1365	40	15½	NE	af/TQs
LB-11	8	07/30/04	1360	80	0	NE	TQs
LB-12	8	08/02/04	1475	87	0	NE	TQs
LB-13	7	08/02/04	1605	65	1½	NE	Tp
LB-14	8	01/25/05	1365	75	5	NE	TQs
LB-15	8	01/26/05	1440	110	6	NE	TQs
LB-16	8	01/27/05	1480	80	7	NE	TQs
LB-17	8	01/31/05	1360	53	24	NE	Qls/TQs
LB-18	8	02/01/05	1570	70	0	NE	TQs
LB-19	8	02/04/05	1505	98	5	NE	af/TQs
LB-20	8	02/07/05	1380	70	28	NE	af/Qls/TQs
LB-21	8	02/08/05	1610	77	1	NE	af/TQs
LB-22	8	02/09/05	1550	50	4½	Seep @ 31 & 35½	af/TQs
LB-23	8	02/14/05	1470	60	0	Seep @ 6½ & 9	TQs
LB-24	8	03/16/05	1495	39	0	NE	TQs
LB-25	7 to 70/ 4 to TD	04/01/05	1600	110	0	NE	Tp
LB-26	8	04/04/05	1605	85	0	NE	TQs
LB-27	7 to 85/ 6 to TD	04/08/05	1327	140	0	128	TQs
LB-28	6	04/15/05	1824	110	21½	Seep @ 43–75	Qls/Tp
LB-29	6	04/18/05	1815	110	18	Seep @ 80	Qls/Tp
LB-30	6	04/20/05	1810	110	4½	108	Tp
LB-31	6	04/21/05	1675	85	0	NE	Tp
LB-32	6	04/25/05	1600	60	5	NE	Qcol/Tp
LB-33	6	04/26/05	1595	55	36	NE	Qsw/Tp

* Number indicates the number of the Tri-Valley Drilling Company rig that was used.

Table B-2

Explorations Summary
(Hollow-Stem Auger Borings)

Location	Equip.	Date	Elevation (feet)	Total Depth (feet)	Depth to Bedrock (feet)	Depth to Groundwater (feet)
HS-1	8"-HSA	01/25/05	1515	50	17	13
HS-2	8"-HSA	01/25/05	1535	70	15	15
HS-3	8"-HSA	01/25/05	1540	25	18	7
HS-4	8"-HSA	01/26/05	1517	80	>80	75
HS-5	8"-HSA	01/27/05	1430	50	45	NE
HS-6	8"-HSA	01/31/05	1420	50	48	48
HS-7	8"-HSA	02/02/05	1430	50	35	NE
HS-8	8"-HSA	01/31/05	1375	69	67	NE
HS-9	8"-HSA	01/31/05	1305	59	57	50
HS-10	8"-HSA	02/01/05	1250	24	23	NE
HS-11	8"-HSA	02/02/05	1280	50	43	NE
HS-12	8"-HSA	02/02/05	1447	45	40	25
HS-13	8"-HSA	02/04/05	1155	50	38	23
HS-14	8"-HSA	02/04/05	1190	50	44	15
HS-15	8"-HSA	02/04/05	1300	50	44	40
HS-16	8"-HSA	02/04/05	1335	50	43	9

Table B-3

Kelly Weights

Tri-Valley Rig #4	
Sampling Depth (ft)	**Kelly Weight (lb)**
0 – 30	3,450
30 – 60	2,050
60 - 90	1,140
90 -120	1,740
120 – 150	2,340
150- 180	2,940

Tri-Valley Rig #6	
Sampling Depth (ft)	**Kelly Weight (lb)**
0 – 30	5,952
30 – 57	3,921
57 - 86	2,531
86 -116	1,407
116 – 146	2,007
146- 176	2,607

Tri-Valley Rig #7	
Sampling Depth (ft)	**Kelly Weight (lb)**
0 - 24	3,160
24 – 46	2,040
46-72	1,120
72 - 102	1,520
102 – 132	1,920
132- 162	2,320

Tri-Valley Rig #8	
Sampling Depth (ft)	**Kelly Weight (lb)**
0-28	5,952
29-55	3,921
55-84	2,531
84-114	1,407
114-144	2,407
144-174	3,407

J & N Drilling, Inc. Rig #1	
Sampling Depth (ft)	**Kelly Weight (lb)**
0 - 24	3,548
24 – 47	2,577
47 - 73	1,648

FIGURES

Logs of Exploratory Excavations (Current Investigation)

Geotechnical Boring Log - Borings LB-1 through LB-33
Geotechnical Boring Log - Borings HS-1 through HS-16
Trench Log - Backhoe Test Pits TP-1 through TP-50b
Cone Penetration Test (CPT) Soundings - CPT-1 through CPT-24

Logs of Exploratory Excavations (Previous Investigations by Leighton)

Geotechnical Boring Log - Borings SSLB-2, SSLB-3, SSLB-6, and SSLB-11
(Leighton, 1999c, Phase V, School Sites)
Geotechnical Boring Log - Borings TSLB-2 through TSLB-5
(Leighton, 1998e, Water Tank Site)

Logs of Exploratory Excavations (Previous Investigations by GeoSoils)

Boring Log - Borings B-1 through B-20 (GeoSoils, 1991)
Test Pit Logs - Backhoe Test Pits T-1 through T-126 (GeoSoils, 1991)

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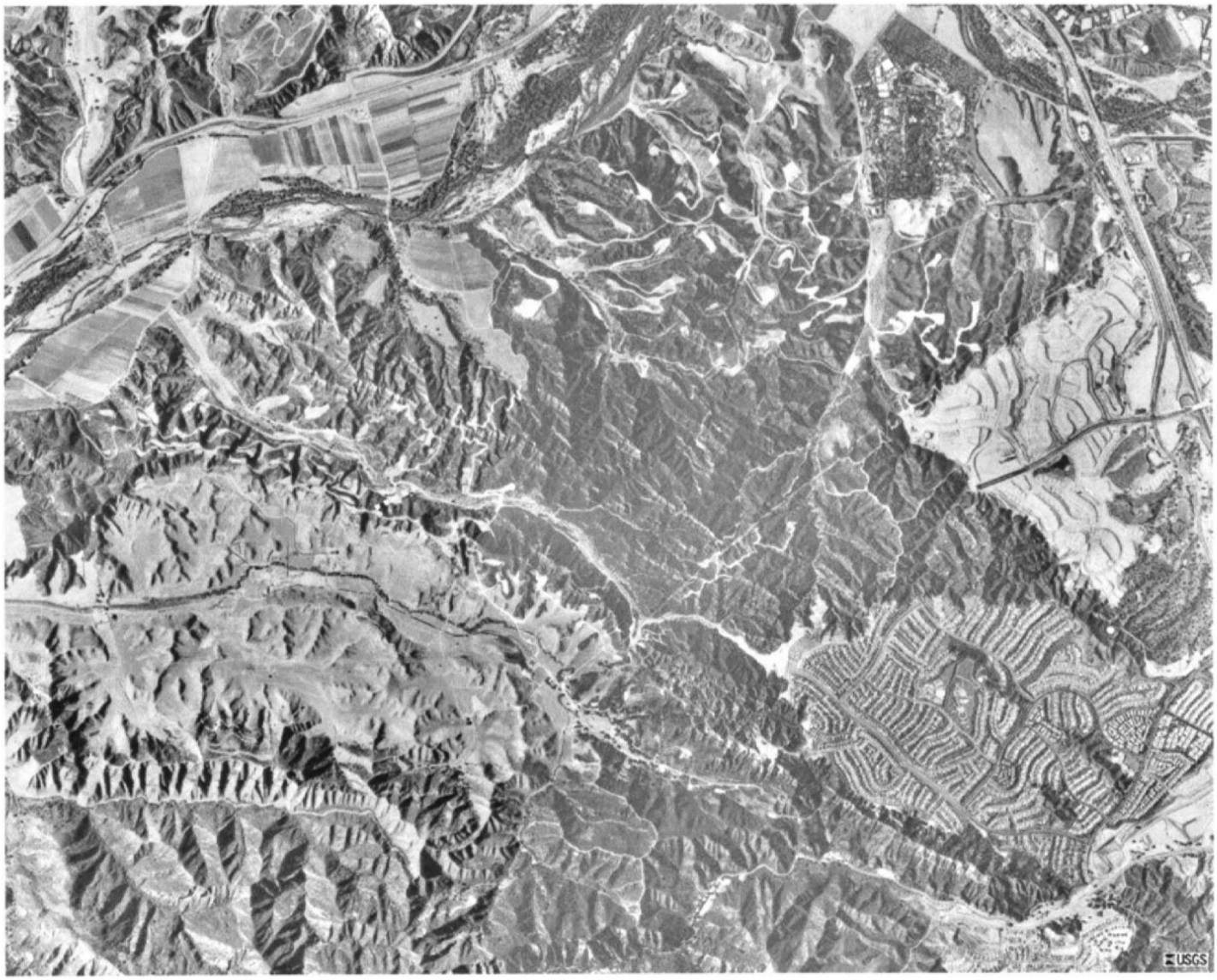
PROGRESS REPORT – OIL WELL ISSUES
PROPOSED LEGACY DEVELOPMENT
PICO CANYON ROAD AT MENTRYVILLE ROAD
UNINCORPORATED LOS ANGELES COUNTY, CALIFORNIA



Prepared for:
STEVENSON RANCH VENTURE LLC
23823 VALENCIA BOULEVARD
VALENCIA, CALIFORNIA 91355

5282 Paseo Ricoso
Camarillo, California 93012

(805) 766-2040
FAX (805) 482-1610
grmillikan@verizon.net

ANACAPA GEOSERVICES INC.

Personalized Client Services since 1973

December 14, 2006

Project No. 5330.0502

Alex Herrell
Stevenson Ranch Venture LLC
c/o Newhall Land and Farming Company
23823 Valencia Boulevard
Valencia, CA 91355

Subject: Progress Report – Oil Well Issues, Proposed Legacy Development, Unincorporated Los Angeles County, California 91381

Stevenson Ranch Venture (SRV) retained Anacapa Geoservices Inc. (Anacapa) to assess oil well related issues at the referenced site (Appendix A). Anacapa procured and reviewed previous reports, historic aerial photographs, historic topographic maps, geologic maps and Division of Oil, Gas & Geothermal Resources (DOGGR) well files to determine an appropriate scope of work. The wells are plotted on three DOGGR Field Maps (#252, #253 & #254) (Appendix B). The wells are located on historic Rancho San Francisco. Note that lands on the Rancho are not included in the township and range system. However, according to DOGGR map protocol, the wells are plotted in projected sections 24, 25, 26, and 36 of T4N and R17W and projected Section 31 of T4N and R16W San Bernardino Baseline & Meridian (SBB&M). A total of 24 wells were evaluated including the following:

DOGGR MAP #252

1. Exxon "Newhall Corp #1"
2. Exxon "Newhall Corp #2"
3. Exxon "Newhall Corp #3"
4. Oryx Energy Corp "Sunray McCulloch NCS #1"
5. MCOR Oil & Gas "McCulloch MC #1"
6. Oryx Energy Corp. "Newhall Corp – Wolfson 1"
7. Oryx Energy Corp. "Newhall Corp – Wolfson 2-7"
8. Oryx Energy Corp. "Newhall Corp. Wolfson 3-5"
9. Oryx Energy Corp. "Newhall Corp. Wolfson 4-5"
10. Oryx Energy Corp. "Newhall Corp. Wolfson 5-5"
11. Oryx Energy Corp. "Newhall Corp. Wolfson 6-7"
12. Medallion "Ferguson 1"
13. Medallion "Ferguson 2"
14. Medallion "Ferguson 3"
15. Medallion "Ferguson 4"
16. Medallion "Ferguson 5"
17. Medallion "Ferguson 6"
18. Medallion "Ferguson 10"
19. Shell "Ferguson 1-7"

5282 Paseo Ricoso
Camarillo, California 93012

(805) 766-2040
(805) 482-1610 fax
grmillikan@verizon.net

DOGGR MAP #253

20. Medallion "Ferguson 7-2"
21. Medallion "Ferguson 8"
22. Medallion "Ferguson 9-2"
23. Shell "Ferguson 2-7"

DOGGR MAP #254

24. NM Fraser "Gerard No. 1"

Anacapa mobilized to the site, noted the existing DigAlert utility clearance markings, and excavated the standpipe locations to find the oil wells. Anacapa noted that not all the wells were located under the identifier standpipes. Anacapa further notes that several Medallion wells were either active or idle. These include well 1, 3, 5, 6, 8 and 10. These wells were not excavated or leak tested. There was no access to several wells due to lack of roads. Anacapa used geophysical and other field methods to locate each well that was accesible. After the wells were located, the excavations were prepared for access by laying back the slopes and creating a DOGGR compliant access ramp or clearing well cellars. The well covers were removed by a certified oil-field welder. No leakage was noted from any wells during the well cover removals.

DOGGR (Fred Pineda) leak tested each accessible well on September 27, 2006. The leak test consisted of a DOGGR gas screening using a photoionization detector and a soap test. The soap test consists of pouring a soapy water mix into the inner casing and observing the soapy liquid for bubbling (presumably caused by leaking gas). No wells were noted by DOGGR as leaking. DOGGR noted that all wells will need to be "topped off" with conforming Class G cement if the wells are extended or cut-off. The DOGGR surveying instrument was not functioning properly and Anacapa agreed to provide DOGGR with the surveyed coordinates of each well.

The well heads were surveyed by Hunsaker & Associates and the survey results were transmitted to Stevenson Ranch Venture. Each well cover was tack-welded to the well and marked for future access using a sucker-rod and identifier plate welded to the well cover. Yellow marking standpipes were replaced in immediate proximity of the sucker rod identifiers. Following removal of rain water from the excavations, the excavations were backfilled and a small stockpile was placed over each well to accommodate settling. Note that the backfilled soil was not compacted.

All wells that were located, were excavated, leak tested, surveyed, re-marked and backfilled using the above methods. The following wells details the wells that were routinely located and notes wells were either not located or had unique situations that are described.

T4N R16W SBB&M WELLS

PROJECTED SECTION 31 WELLS (5 Wells)

Shell Ferguson 2-7 was located during the construction of Fill 14 for Stevenson Ranch Phase II-B. The well was exposed and leak tested by DOGGR. The well was determined to be leaking and re-abandonment requirements were issued by DOGGR. The casing was extended as Fill 14 was constructed and the casing was filled with Class G Cement. The wellhead was monitored for gas leakage due to its proximity to the Stevenson Ranch Interim School Site. No leakage was detected throughout the four years of monitoring. The well is not currently accessible by vehicle, but has been surveyed and that data is in the project file. Poe Parkway is currently slated to bypass the well and the well will be located in open-space.

Medallion 7-2, 8, and 9-2 were located and assessed. Medallion 7-2 was assessed and was determined to not be leaking.

Medallion 8 was idle but a hissing noise was emanating from the pump. Note that the entire pad had been engulfed by fire in the October 2003 fire event. Medallion 8 is back on production as of the date of this report.

Medallion 9-2 was reportedly (A. Iwasiw, 2000) never operated as a well by Medallion. The well was excavated and surveyed in support of the design of the Deadhorse Canyon Mitigation Area. At the time, the well was determined to be not leaking. A medium sized 25'x 50'sump was located approximately 100 feet east of the well and was connected to the well area by an approximately 3-inch diameter pipeline. The sump was excavated, complete removal was verified using an onsite mobile laboratory and the waste solids were legally disposed by Kerr-McGee. The well was not backfilled due to a locked gate on the date of the backfilling.

NM Gerard Fraser#1 is in a non-accessible area and was not assessed. It is necessary to be able to have a certified oil-field welder drive to the well prior to leak testing.

T4N R17W SBB&M WELLS

PROJECTED SECTION 24 WELLS (Southeast Quarter) – 3 Wells

Exxon Newhall Corp. wells #1, #2, and #3 were found and assessed without event.

PROJECTED SECTION 25 WELLS – 4 Wells

Oryx Energy (Kerr-McGee) Newhall Corp. Wolfson wells 3-5 and 4-5 were found and assessed without event. Oryx Energy (Kerr-McGee) Sunray McCulloch NCS well #1 was found in a concrete cellar and was assessed without event. MCOR McCulloch NC #1 was found in a concrete cellar and was assessed without event. The cellars were not backfilled due to the difficulty of removing soil in proximity to wells.

PROJECTED SECTION 26 WELLS (East Half) – 3 Wells

Three Oryx Energy (Kerr-McGee) Newhall Corp. Wolfson wells #1, #2-7 and #6-7 were found and assessed without event.

PROJECTED SECTION 36 WELLS (9 Wells)

One Oryx Energy (Kerr-McGee) Newhall Corp. Wolfson well #5-5 was found and assessed without event.

Seven Medallion wells are located in this projected Section. Of those wells, the abandoned wells (Ferguson 2 and Ferguson 4) were excavated and assessed, but the active (Ferguson 3, 5 and 10) and idle (Ferguson 1 and Ferguson 6) wells were only surveyed.

Shell Ferguson 1-7 is located near the Phase II-B water tank site, but there is no access as the rig road has degraded to being impassable. It is not likely that DOGGR will require re-abandonment of this well due to its inaccessibility and distance from the development area.

The following oil well related tasks are necessary to fully prepare the Site for development.

1. Following procurement of access to the PM Gerard Fraser #1, Shell Ferguson 1-7 and Shell Ferguson 2-7 wells, locate and assess wells that were not assessed during this phase of the work;
2. Determine the future use at and in proximity (as defined by DOGGR) to each well. Design the community, if possible, to avoid placing structures over or in near (as defined by both DOGGR and Los Angeles County) wells;
3. Determine finish grade at each location and decide whether each well needs to be cut or extended to conform to DOGGR requirements that the wells be abandoned within 6-9 feet of finish grade;
4. Coordinate with Medallion to properly abandon to the satisfaction of DOGGR the wells on their lease;
5. Following establishment of the development plan, solicit re-abandonment requirements, if any, from DOGGR for the wells;
6. Determine the need to vent the wells. Oversight of this issue is managed by the Los Angeles County Department of Building and Safety. Design of a conforming vent or other methane protection devices, if necessary, shall be completed by a licensed and qualified professional engineer;
7. Advise clearing and grubbing crews, plus the grading crews to monitor for evidence of past oil-field equipment, stained soil, or other related debris. Remove relict piping and other debris found in the vicinity of the wells;
8. Notify the Site Superintendent if stained or odorous soil is found;
9. Determine the need to more fully assess other areas of the Site for adversely impacted soil; and
10. ***Following the completion of activities, the DOGGR will issue a Lot Release.***

If you have any questions, please call at your convenience.

Respectfully Submitted,
ANACAPA GEOSERVICES INC.

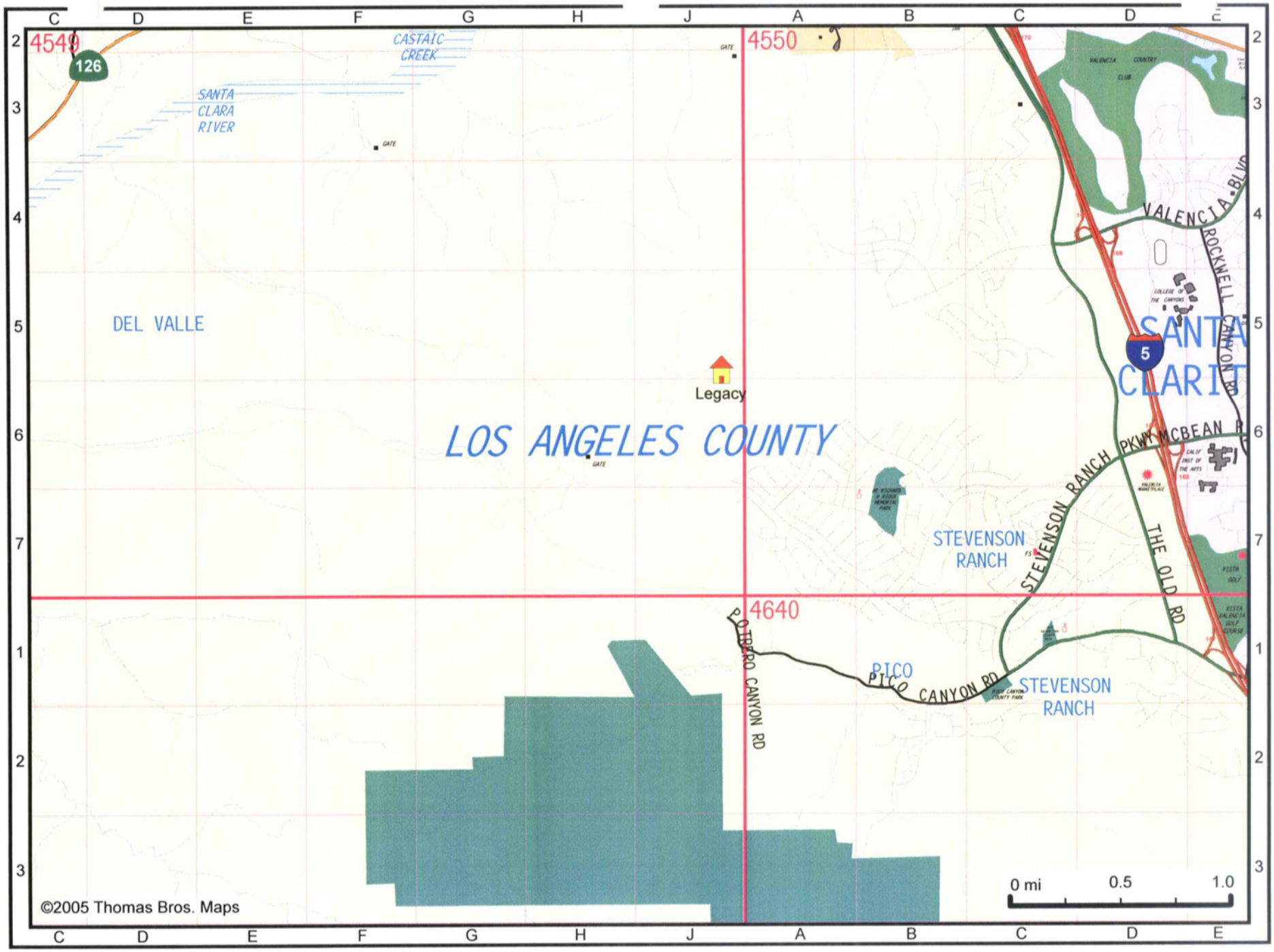
Gregory R. Millikan, P.G. 4708 (Expires 8/31/2008)
Project Manager

REGISTERED GEOLOGIST
GREGORY ROBERT MILLIKAN
4708
EXP 8/31/08
STATE OF CALIFORNIA

Attachments: Appendix A – Site Location Map
Appendix B – Site Plan
Appendix C – Site Photographs
Appendix D – DOGGR Well Files (excerpts)

APPENDIX A

SITE LOCATION MAP

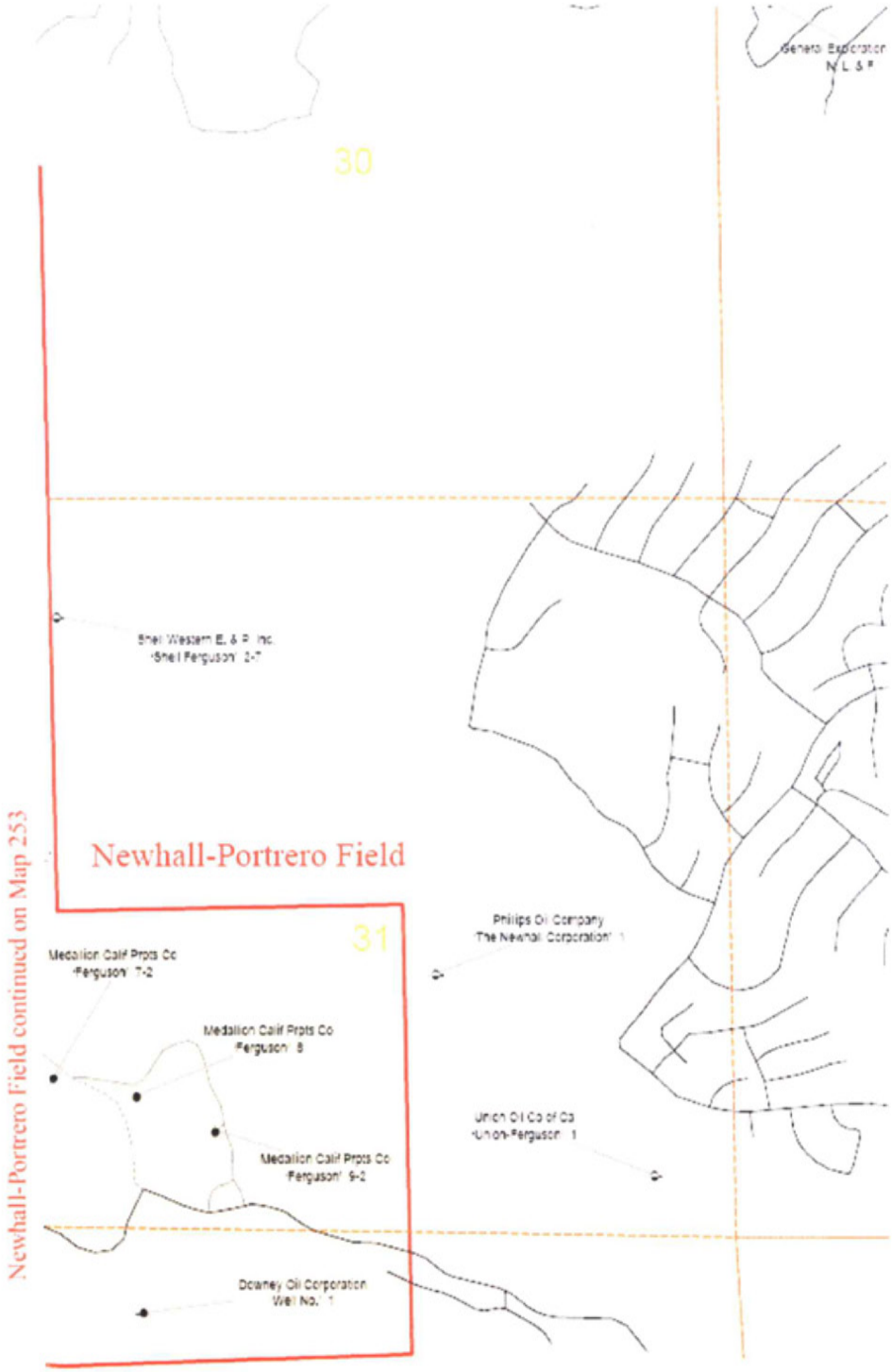


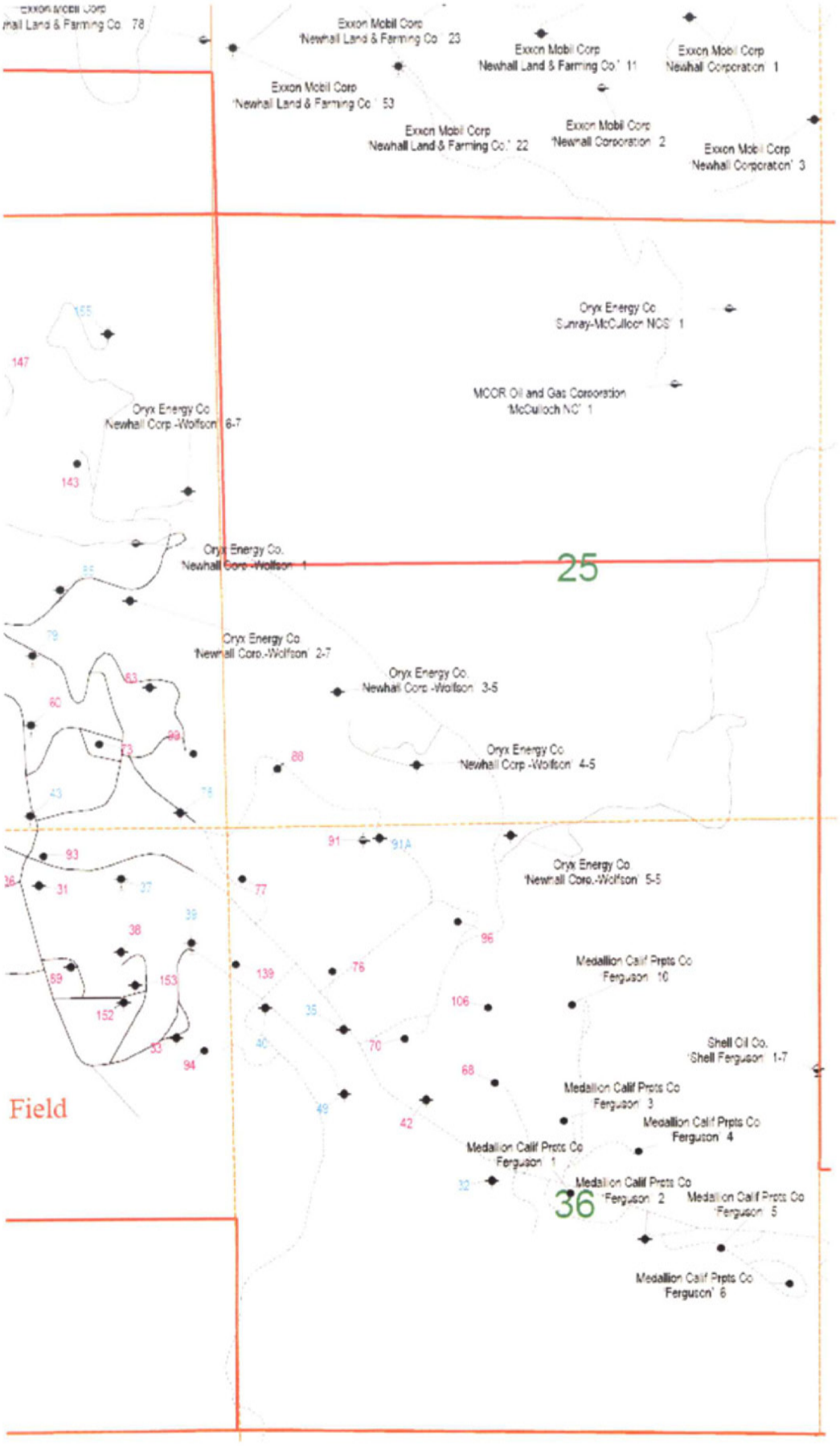
Legacy: 4549 - J5

APPENDIX B

SITE PLANS

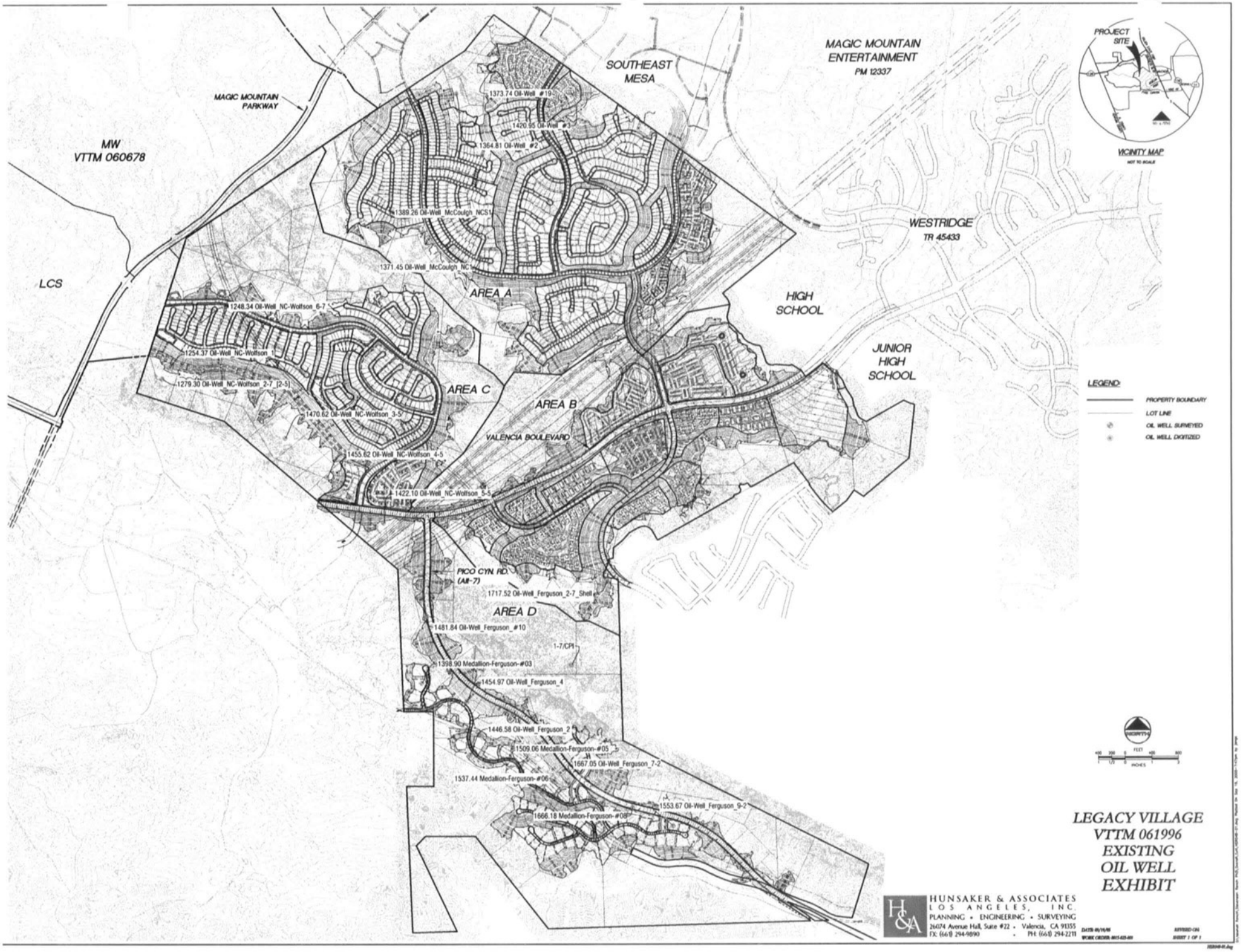
DOGGR MAP 252
DOGGR MAP 253
DOGGR MAP 254
DEVELOPMENT PLAN


30
31
Newhall-Portrero Field
Newhall-Portrero Field continued on Map 253
Shell Western E. & P. Inc.
Shell Ferguson 2-7
Medallion Calif Prpts Co
Ferguson 7-2
Medallion Calif Prpts Co
Ferguson 8
Medallion Calif Prpts Co
Ferguson 9-2
Downey Oil Corporation
Well No. 1
Philips Oil Company
The Newhall Corporation 1
Union Oil Co of Ca
Union-Ferguson 1


Exxon Mobil Corp
Newhall Land & Farming Co 78
Exxon Mobil Corp
Newhall Land & Farming Co 23
Exxon Mobil Corp
Newhall Land & Farming Co 11
Exxon Mobil Corp
Newhall Corporation 1
Exxon Mobil Corp
Newhall Land & Farming Co 53
Exxon Mobil Corp
Newhall Land & Farming Co 22
Exxon Mobil Corp
Newhall Corporation 2
Exxon Mobil Corp
Newhall Corporation 3
Oryx Energy Co
Sunray-McCulloch NCS 1
MCOR Oil and Gas Corporation
McCulloch NCS 1
Oryx Energy Co
Newhall Corp -Wolfson 6-7
Oryx Energy Co.
Newhall Corp -Wolfson 1
25
Oryx Energy Co
Newhall Corp.-Wolfson 2-7
Oryx Energy Co.
Newhall Corp -Wolfson 3-5
Oryx Energy Co
Newhall Corp -Wolfson 4-5
Oryx Energy Co
Newhall Corp.-Wolfson 5-5
Medallion Calif Prpts Co
Ferguson 10
Shell Oil Co.
Shell Ferguson 1-7
Medallion Calif Prpts Co
Ferguson 3
Medallion Calif Prpts Co
Ferguson 4
Medallion Calif Prpts Co
Ferguson 1
Medallion Calif Prpts Co
Ferguson 2
36
Medallion Calif Prpts Co
Ferguson 5
Medallion Calif Prpts Co
Ferguson 6
Field

254

Chevron USA, Inc
Chevron USA, Inc
Chevron USA, Inc
N.M. Fraser
Gerard
Electrological Petroleum Corp
Overman
P.M. Girard
Fisher-Wolak
Monterey Resources, Inc
Bandoni
H. H. Lecain
Core Hole
Mutual Development Corporation



MAGIC MOUNTAIN PARKWAY
MW
VTTM 060678
LCS
SOUTHEAST MESA
MAGIC MOUNTAIN ENTERTAINMENT
PM 12337
WESTRIDGE
TR 45433
HIGH SCHOOL
JUNIOR HIGH SCHOOL
AREA A
AREA B
AREA C
AREA D
VALENCIA BOULEVARD
PICO CYN. RD. (Alt-7)
1373.74 Oil-Well_#19
1420.95 Oil-Well_#3
1364.81 Oil-Well_#2
1389.26 Oil-Well_McCoulgh_NCS1
1371.45 Oil-Well_McCoulgh_NC1
1248.34 Oil-Well_NC-Wolfson_6-7
1254.37 Oil-Well_NC-Wolfson_1
1279.30 Oil-Well_NC-Wolfson_2-7_[2-5]
1470.62 Oil-Well_NC-Wolfson_3-5
1455.62 Oil-Well_NC-Wolfson_4-5
1422.10 Oil-Well_NC-Wolfson_5-5
1717.52 Oil-Well_Ferguson_2-7_Shell
1481.84 Oil-Well_Ferguson_#10
1-7/CPI
1398.90 Medallion-Ferguson-#03
1454.97 Oil-Well_Ferguson_4
1446.58 Oil-Well_Ferguson_2
1509.06 Medallion-Ferguson-#05
1667.05 Oil-Well_Ferguson_7-2
1537.44 Medallion-Ferguson-#06
1553.67 Oil-Well_Ferguson_9-2
1666.18 Medallion-Ferguson-#08
PROJECT SITE
VICINITY MAP
NOT TO SCALE
LEGEND:
PROPERTY BOUNDARY
LOT LINE
OIL WELL SURVEYED
OIL WELL DIGITIZED
FEET
INCHES
LEGACY VILLAGE
VTTM 061996
EXISTING
OIL WELL
EXHIBIT
HUNSAKER & ASSOCIATES
LOS ANGELES, INC.
PLANNING • ENGINEERING • SURVEYING
26074 Avenue Hall, Suite #22 • Valencia, CA 91355
FX: (661) 294-9890 • PH: (661) 294-2211

APPENDIX C

SITE PHOTOGRAPHS

Photograph No. 1: Ferguson 1 – View NE

Photograph No. 2: Ferguson 2 is west of marked support shed – view East

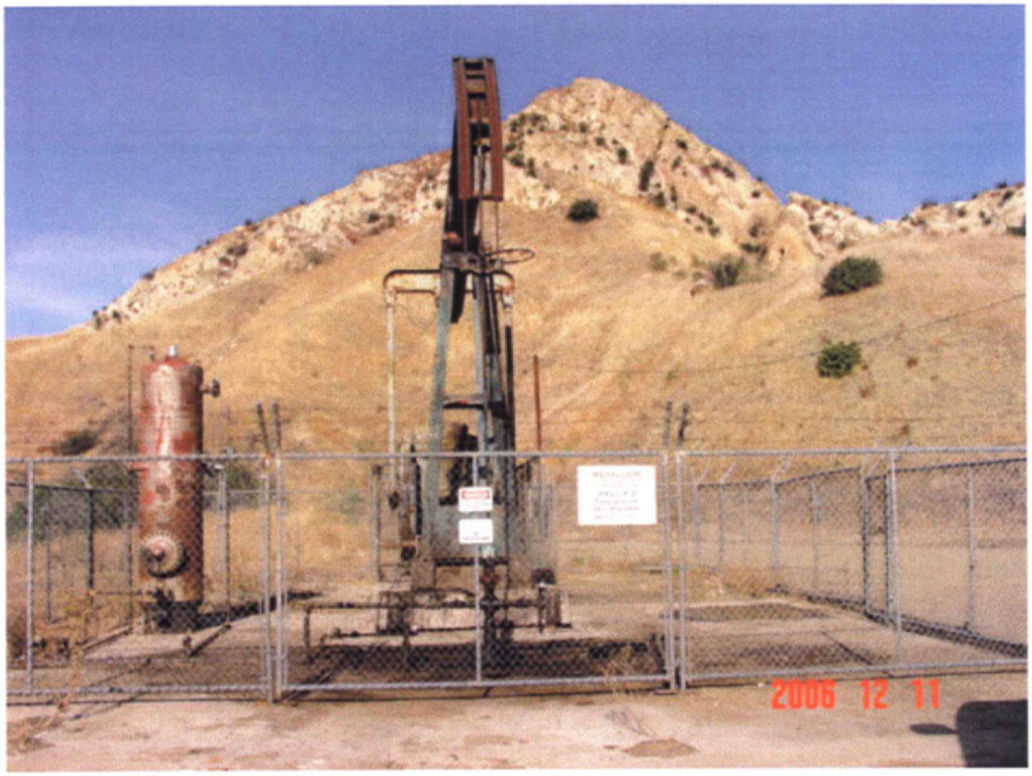
Photograph No. 3: Ferguson 3 –view NNE

Photograph No. 4: Ferguson 4 at standpipe markers – view SW

Photograph No. 5: Ferguson 5 – view West

Photograph No. 6: Ferguson 6 – view East

Photograph No. 7: Ferguson 7 at locator standpipes – view WNW



Photograph No. 8: Ferguson 8 – view North

Photograph No. 9: Ferguson 9-2 – view NNW

Photograph No. 10: Ferguson 10 - view NW

Photograph No. 11: Oryx NC Wolfson 2-7 – view East

Photograph No. 12: Oryx NC Wolfson 1 – view NE

Photograph No. 13: Oryx NC Wolfson 6-7 – view NE

Photograph No. 14: Oryx NC Wolfson 3-5 – view WNW

Photograph No. 15: Oryx NC Wolfson 4-5 – view East

Photograph No. 16: Oryx NC Wolfson 5-5 (note bee hives) – view SSE

Photograph No. 17: Exxon Newhall Corp 3 – view NW

Photograph No. 18: Exxon Newhall Corp 2 – view SW

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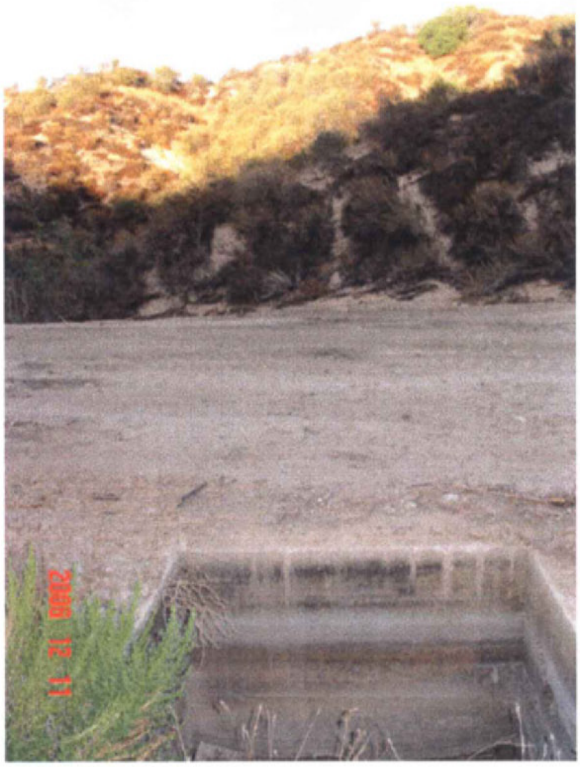
Photograph No. 19: Exxon Newhall Corp. 1 – no photograph

Photograph No. 20: Oryx Sunray-McCulloch NCS-1 – view South



Photograph No. 21: MCOR McCulloch 1 – view North

Intentionally Blank

Photograph No. 22: Shell Ferguson 1-7 – No access, no photograph

Intentionally Blank

Photograph No. 23: PM Fraser Gerard 1 – no access, no photo

Photograph No. 24: Shell Ferguson 2-7 is down Fill 14 slope at top of Poe Pkwy – View South

APPENDIX D

DOGGR WELL FILE EXCERPTS

MAP 252

Shell Ferguson 2-7
Ferguson 7-2
Ferguson 8
Ferguson 9-2

MAP 254

Fraser Gerard 1

MAP 253

Exxon Newhall Corp 1
Exxon Newhall Corp 2
Exxon Newhall Corp 3
Ferguson 1
Ferguson 2
Ferguson 3
Ferguson 4
Ferguson 5
Ferguson 6
Ferguson 10
Shell Ferguson 1-7

UNPLOTTED

Downey Oil Corp. No.1

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

NOTICE OF RECORDS DUE

Ventura, California

August 18, 1999

Jerry Schamp
STEVENSON RANCH VENTURA, LLC.
15300 Ventura Blvd., Ste. 500
Sherman Oaks, CA. 91403

SECOND NOTICE

In accordance with Division 3 of the Public Resources Code of California, the following records are due, covering the abandonment (Notice dated 4-8-98) of your well(s) Shell Western E&P Inc., "Shell Ferguson" 2-7 Los Angeles Field, Los Angeles County, Sec. 31, T. 4N, R. 16W, S.B. B.&M.

RECORDS: Records are due within 60 days after completion, suspension, or abandonment of any well, or upon completion of additional work in any well. Records shall be submitted in duplicate. Division forms must be signed in the spaces provided.

OIL AND GAS OPERATIONS

_____ Well Summary

_____ Core or Sidewall sample Analysis

__X__ History (Form OG103)

T

LOGS, TESTS, AND SURVEYS: All logs, tests, and surveys are due within 60 days after completion, suspension, or abandonment of any well, or upon completion of additional work in any well. Logs, tests, and surveys shall be submitted in duplicate.

_____ Electric log (1"= 50 ft.)

_____ Directional Survey

_____ Dipmeter (Computed)

_____ Two copies of all logs run on each well

_____ Velocity Survey

_____ Mud Log

_____ Pressure Measurements (flowing and static)

_____ Water Analysis

_____ Oil and Gas analysis

_____ Temperature Survey

_____ Injection Survey

_____ Cement Bond Log

___ Other _____

Name: Paul Cronmiller | Title: Oil & Gas Engineer

Signature: Paul C. Cronmiller | Telephone Number (805) 654-4761

OG170 (Modified 9/93)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T299-53

Report on Operations

Jerry Schamp
STEVENSON RANCH VENTURA, LLC.
15300 Ventura Blvd., Ste. 500
Sherman Oaks, CA. 91403

Ventura, California
March 4, 1999

Your operations at well Shell Western E&P "Shell Ferguson" 2-7, API No. (037-05900), Sec. 31, T. 4N, R. 16W, S.B. B.&M. --- Field, in Los Angeles County, were witnessed on 3-3-99. Steve Mulqueen, representative of the supervisor, was present from 1100 to 1300. There were also present Greg Millikan

Present condition of well: 11 3/4" cem 1214'. TD 12464'. Plugged w/ cem 12462'-11926', 3942'-3747', 1296'-806' & 10'- surface. Extended 11 3/4" surface casing 62' & plugged w/ 45 cf cem to surface.

The operations were performed for the purpose of preparing the well for re-abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

CBT

CC: Greg Millikan
31344 Via Colinas, Ste. 104
Westlake, CA. 91362

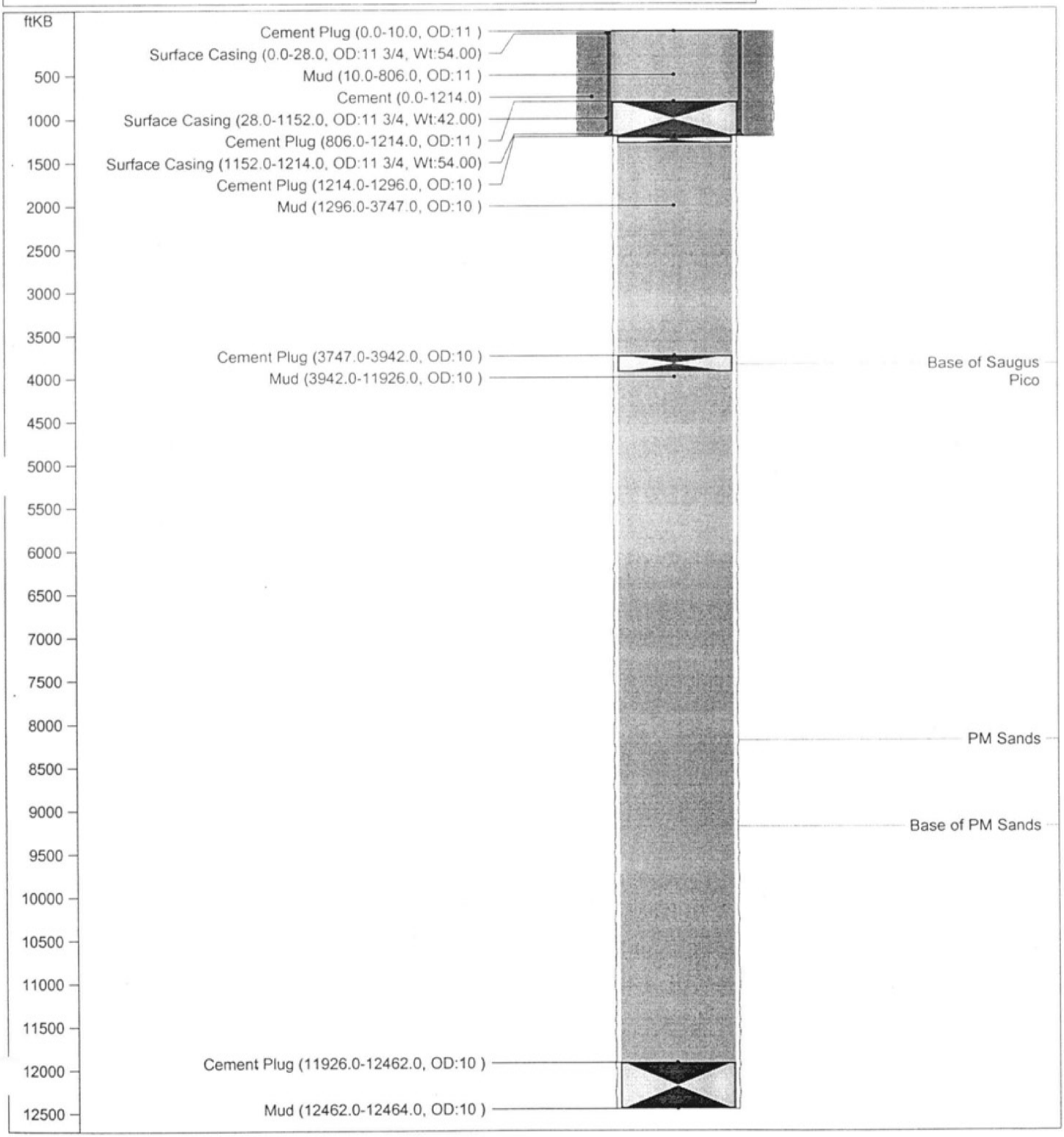
William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
for Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

04037059000000	
Well Name	SHELL FERGUSON 2-7
Operator	SHELL WESTERN E. & P. INC.
Field Name	ANY FIELD
TD	12464.0 ftKB
BTD	0.0 ftKB
Approval Date	14-Apr-59
Spud Date	16-Apr-59
TD Date	21-Jun-59
Production Date	
Injection Date	
P/A Date	24-Jun-59

Division of Oil & Gas Conservation



3/3/99

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY SWEPI WELL NO. Ferguson 2-7

API NO. 037-05900 SEC. 31, T. 4N, R. 16W, SB B.&M.

COUNTY LA FIELD

RBDMS DATA ENTERED: 1/13/98
(DATE)

BY: [illegible]
(NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

UPDATED 3-3-99 S. MULQUEEN

WELL CONSTRUCTION DATA ONLY

T299-53

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CEMENTING/PLUGGING MEMO

Operator STEVENSON RANCH VENTURA, LLC Well No. SHELL WESTERN E & P INC. "SHELL FERGUSON" 2-7

API No. 037-05900 Sec. 31, T. 4N, R. 16W, SB B&M

Field —, County LOS ANGELES. On 3-3-99,

Mr. / ~~Ms.~~ STEVE MULQUEEN, representative of the supervisor, was present from 1100 to 1300.

There were also present GREG MILLIKAN

Casing record of well: 11 3/4" cem 1214', TD 12464'. Plugged w/ cem 12462'-11926', 3942'-3747', 1296'-806' + 10' - SURFACE. EXTENDED 11 3/4" SURFACE CASING 62' + PLUGGED w/ 45 cf cem TO SURFACE.

The operations were performed for the purpose of preparing the well for re-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: _____" shot/cut at _____', _____', _____' pulled fr. _____';

_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at DRY'. Witnessed by _____

Mudding	Date	bbls.	Displaced	Poured	Fill	Engr.

EXTENDED CASING 62' (11 3/4", 60#)

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
3-3-99	45 cf*	SURFACE POUR	1100	SPM	3'	VISUAL	3/3 1300	SPM

*w/ 3% Ca Cl2

OGD10 (11/93/GSR1/5M)

CC: Greg Millikan 31344 Via Colinas Suite 104 Westlake Village CA

SEE COORDINATES ON BACK

8

17

"SHELL FERGUSON" 2 - 7

COORDINATES

LEIGHTON + ASSOC.		PROJECT COORD.
4255262 N	=	24203
4104653 E	=	46095

W.H. ELEVATION 1686' ON 3-3-99
(W.H. WILL BE 1708' w/ FINISHED GRADE 1735')

DOGGR GPS

34° 23' 31.829"
-118° 36' 22.294"

BOWIE, ARNESON, WILES & GIANNONE

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS
ATTORNEYS AT LAW

ALEXANDER BOWIE*
JOAN C. ARNESON
WENDY H. WILES*
PATRICIA B. GIANNONE
ROBERT E. ANSLOW
DANIEL J. PAYNE
BRIAN W. SMITH
KRISHAN CHOPRA
CARMEN A. BROCK
JULIA D. RICE
ELIZABETH K. BAUER

*A PROFESSIONAL CORPORATION

4920 CAMPUS DRIVE
NEWPORT BEACH, CALIFORNIA 92660
(949) 851-1900

3403 TENTH STREET, SUITE 715
RIVERSIDE, CALIFORNIA 92501
(909) 222-2750

(800) 423-6056
FAX (949) 851-2014

RESPOND TO NEWPORT BEACH
REF. OUR FILE

13015M1

February 4, 1999

VIA FACSIMILE: (310) 277-7889

Kenneth B. Bley, Esq.
Cox, Castle & Nicholson, LLP
2049 Century Park East
28th Floor
Los Angeles, California 90067

Re: Interim School Facilities Site
Stevenson Ranch

Dear Mr. Bley:

As you may be aware, the Newhall School District ("District") has undertaken an evaluation of the Interim School Facilities Site (Parcel A of Parcel Map Number 15955) ("Interim Site") proposed by Stevenson Ranch Venture, LLC ("SRV") as the property to be subject to the Lease referenced in the Interim School Facilities Agreement. In compliance with the California Environmental Quality Act ("CEQA"), the Public Resources Code, and the Education Code, the District has undertaken at its own expense a Phase I environmental assessment of the site. The purpose of this letter, therefore, is to inform SRV and SRV's managing entity, Lennar Communities ("Lennar") of steps that must be taken before the District will be in a position to approve the proposed Interim Site.

Approximately one month ago, as part of its field site reconnaissance, the District's environmental analysts, GeoSoils, Inc., identified a metal riser protruding from the face of the temporary fill slope south of the Interim Site. The metal riser proved to be a vent pipe associated with an old oil well ("Shell Ferguson 2-7"), previously abandoned in 1959.

BAW&G/CAE/ad/55041

Further investigation determined that at the time of the initial grading of the Interim Site by Lennar in the Spring of 1998, a representative of the Department of Conservation, Division of Oil Gas and Geothermal Resources ("Division of Oil and Gas") conducted a gas test to ascertain the condition of the well. The test revealed methane gas emissions at the well site, leaking at 150 percent of the Lower Explosive Limit. The Division of Oil and Gas, therefore, determined the well would require re-abandonment pursuant to the Public Resources Code Section 3208.1.

Due to the location of the well on an existing slope, we have learned that the Division of Oil and Gas authorized Lennar to re-abandon the well in two phases. During the first phase, the current casing for the well vent is to be extended to the proposed final grade level. During the second phase, the well is to be re-drilled, cleaned out, and a cement plug is to be placed. A permit to conduct the well operations has been approved by the Division of Oil and Gas; however, through recent discussion with Gregory Millikan of EnviroPacifica, Inc. (Lennar's environmental consultant) and Tom Banks from Lennar, we have learned that final completion of the well abandonment will not take place until after final grading of the area, which is not anticipated to occur for approximately 18 to 36 months.

As you know, in order for the Governing Board ("Board") of the District to approve the Interim Site for school purposes, Education Code Section 17213 requires the Board determine the Interim Site does not contain any pipeline situated underground or aboveground which carries hazardous substances, acutely hazardous material, or hazardous wastes, or is a site that emits hazardous emissions into the ambient air that would pose a risk to the health of persons attending or employed at the school site (Education Code Section 17213(a) (3), (B).) Despite the fact that the Air Quality Management District ("AQMD") has found no hazardous air emitting industrial facilities within 1/4 mile of the proposed site, the AQMD does not monitor the presence of other facilities, such as the heretofore unrecognized abandoned oil well. As such, as lead agency, the District must determine that all hazardous emissions from the well site have been remediated to the satisfaction of the Division of Oil and Gas before we will be in a position to approve the Interim Site for school purposes.

The District had previously calendared approval of the Interim Site and adoption of the Proposed CEQA Mitigated Negative Declaration for the February 16, 1999 Board meeting. However, given the status of the abandoned oil well, the Board is not in a position to approve the Interim Site at this time.

However, it is possible for the Board to approve the Interim Site subject to specific conditions, including the requirement that corrective measures as ordered by the Division of Oil

and Gas will, prior to the occupation of the Interim School Facilities in August 1999, result in the mitigation of all hazards to levels that do not constitute an actual or potential public endangerment. (Education Code Section 17213(c)(2)(B).) If the Board makes such a finding and conditionally approves the Interim Site subject to completion of mitigation measures, the Board will thereafter be required to make a subsequent and final finding prior to the occupancy of the Interim School that all potentials for the hazardous emissions have been fully mitigated. (Education Code Section 17213(c)(2)(B).)

Therefore, the District is only prepared to approve the proposed Interim School Site upon the following conditions: 1) that SRV, acting through Lennar or any other appropriate agent, cause to be completed sufficient re-abandonment of the well to mitigate the potential for hazardous effects prior to the occupation of the Interim School Facilities in August of 1999; 2) that SRV, acting through Lennar, obtain certification from the Department of Conservation prior to the occupancy of the Interim School in August of 1999 that the mitigation measures performed are sufficient to satisfy the requirements of Education Code 17213; 3) that as a term of the Interim Site lease SRV agree to indemnify the District for any liability that may arise from the presence of the abandoned well; and 4) that SRV maintain a general liability insurance policy on the Interim Site, including the well site, for the term of the Lease naming the District as an additional insured on the policy. Full mitigation measures must be set forth in the Mitigated Negative Declaration for purposes of CEQA as well.

Of great concern, of course, is that, based upon current information we have regarding the timetable for the well re-abandonment, it does not appear the well will be completely re-abandoned and Division of Oil and Gas clearances obtained by August of 1999—the time for occupancy of the Interim School. Therefore, unless Lennar accelerates the well abandonment procedure, or provides us with certification from the Division of Oil and Gas that the well site is not a "hazard" for purposes of the Education Code, we are left with no alternative but to request Lennar provide an alternate site for the Interim School Facilities as it is imperative that Interim School Facilities be operational in August of 1999 to serve the needs of the District. Of course, an alternate site will need to clear all the same Education Code and CEQA requirements within a more compressed time frame. Should the District be forced to re-district or bus children to alternate school sites as a result of the inability to open the Interim School Facilities, the effect on the District and the community members it serves will be significant.

Therefore, we would respectfully suggest that the most prudent course of action would be to accelerate well abandonment plans, or remediate the well site in such a way that we will be provided clearance by the Division of Oil and Gas prior to August. If we can receive written

BAW&G/CAB/ad/5504.1

assurance by February 10, 1999, that a new timetable and well abandonment plan have been adopted and approved by the Division of Oil and Gas, or that the Division of Oil and Gas has certified the well site is not and will not be a hazard as defined in the Education Code, the District will be in a position to adopt conditional approval of the Interim Site as planned at the February 16, 1999, Board meeting. Otherwise, approval of the Interim Site will need to be postponed to an appropriate subsequent date.

Please contact our office at your earliest possible convenience to discuss the matter further. We stand ready to assist SRV, Lennar and EnviroPacifica, Inc. in any way we can.

Very truly yours,

BOWIE, ARNESON,
WILES & GIANNONE

By: Carmen A. Brock
Carmen A. Brock

CAB/cb

cc: Dr. Marc Winger, Superintendent
Teresa Sousa, Lennar Communities, via facsimile
Jeanette Justus, via facsimile
Tom Banks , Lennar Communities, via facsimile

RAW&G\CAB\ed\55041

PHONE (714) 751-3210 FAX (714) 751-6414
2960 AIRWAY AVENUE, SUITE B-101 COSTA MESA, CALIFORNIA 92626

AAI RFS #: 9811005

April 17, 1998

Enviro Pacifica, Inc.
31344 Via Colinas, Suite 104
Westlake Village, CA 91362

Project Name: ---
Project Number: 975056-001

Attention: Greg Millikan

Apollo Analytics Inc., has received the following sample(s):

Date Received	Quantity	Matrix
April 16, 1998	1	Air/Canister

The sample(s) received was subcontracted to AtmAA Inc. for hydrocarbons specifications and methane. The subcontractor is an approved California Department of Health Services laboratory. For your reference, AtmAA Inc. original report is enclosed.

The results of these analyses and the quality control are enclosed. If you have any questions please do not hesitate to call (714) 751-3210.

Leon Levan
Laboratory Manager

ANALYTICAL RESULTS

AAI RFS #: 9811005

Client Name: Enviro Pacifica, Inc.
Project Name: ---
Project #: 975056-001
Matrix: Air/Canister

Date(s) Sampled: 4/15-4/16/98
Date(s) Analyzed: 4/16-4/17/98
Analytical Method: Standard Methods
Chemist: AtmAA Inc

Compound	2-7 Vapor 1 9811005-001	(Repeat) 2-7 Vapor 1 9811005-001
	(Concentration in ppmv)	
Methane	92.0	93.5
non-methane hydrocarbons specification		
analysis by carbon number grouping		
	(Concentration in ppbv as methane)	
C2	46.8	nr
C3	20.1	nr
C4	46.3	nr
C5	102.6	113.7
C6	165.7	158.6
C7	791.5	763.4
C8	1,363	1,323
C9	1,645	1,529
C10	919.0	813.5
C11	234.5	220.1
C12	50.6	64.3
C13	<10	<10
Total non-methane hydrocarbons as methane	5,385	

AtmAA Inc.
23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

Speciated Hydrocarbon Analysis in SUMMA Canister Sample

Report Date: April 17, 1998
Client: Apollo/Enviropacifica
P.O. No.: Verbal
Client Project No.: 975056-001
Source Location : Not given
Source ID: Not given

Date Received: April 16, 1998
Date Analyzed: April 16 & 17, 1998

ANALYSIS DESCRIPTION

Hydrocarbon speciation was performed by flame ionization detection/gas chromatography (FID/GC).

AtmAA Lab No.:	91068-1	(repeat)
Sample ID:	2-7 vapor 1 can 299	2-7 vapor 1 can 299
	(Concentration in ppmv)	
Methane	92.0	93.5
non-methane hydrocarbon speciation analysis by carbon number grouping	(Concentration in ppbv as methane)	
C2	46.8	nr
C3	20.1	nr
C4	46.3	nr
C5	102.6	113.7
C6	165.7	158.6
C7	791.5	763.4
C8	1363	1323
C9	1645	1529
C10	919.0	813.5
C11	234.5	220.1
C12	50.6	64.3
C13	<10	<10
total non-methane hydrocarbons as methane	5385	

nr - no repeat analysis

Michael L. Porter, Laboratory Director

16

7

Apollo Analytics, Inc.
2960 Airway Ave., Suite B-101 • Costa Mesa, CA 92626
Phone (714) 751-3210 • FAX (714) 751-6414

Chain of Custody

DATE 4/16/98 PAGE 1 OF 1

PROJECT MANAGER: ~~CHRIS~~ M. LUKAN
COMPANY: ENVIROPACIFICA, INC.
ADDRESS: 31344 VIA COLINAS, #104
WESTLAKE VILLAGE, CA 91362
PHONE # 8187078327 FAX # 818-7077280

BILL TO:
COMPANY: ENVIROPACIFICA, INC.
ADDRESS: 17781 COWAN
IRVINE, CA

SAMPLERS: (Signature)
818 707-8327 PHONE NUMBER

Recommended Quantity and Preservative (Provide triple volume on QC Samples)

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Air Toxics	Volatile Cmpds (EPA TO14)	Hydrocarbon Speciations	Fixed Gases (CH_4, O_2, CO_2, CO)	TPH/BTXE	TNMOC (SCAQMD 25.2)	Metals (CARB 436)	Soil & Water Toxics	Petroleum Hyrdocarbons (418.1)	Oil and Grease (413.2)	Gasoline (MOD 8015/DOHS)	Diesel (MOD 8015/DOHS)	Gasoline /BTXE (MOD 8015/8020)	(MOD 8015)	BTXE (8020)	Chlorinated Hydrocarbons (8010)	Aromatic Hydrocarbons (8020)	Organic Lead (Pb)	Volatile Cmpds GC/MS (8240/8260)	Semi-Volatile Cmpds GC/MS (8270)	Pesticides/PCB (8080)	Polynuclear Aromatic (8310)	CCR Metals	Priority Pollutant Metals	Number of Containers
						4L	1L	1L	1L	1L	1L		1L (H_2SO_4)/100g	4 oz (HCL)/50g	4 oz (HCL)/50g	4 oz (HCL)/50g	4 oz (HCL)/50g	4 oz (HCL)/50g	2X40ml (HCL)/50g	2X40ml (HCL)/50g	2X40ml (HCL)/50g	500ml/50g	2X40ml (HCL)/100g	1L/100g	1L/50g	1L/100g	500ml/100g	500ml/100g	
2-7 VAPOR 1	4/15 4/16	1740 0900	Vapor	9804-1																									1

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT NUMBER	98056-001	TOTAL NUMBER OF CONTAINERS	1
PROJECT NAME:		CHAIN OF CUSTODY SEALS Y/N/NA	NA
PURCHASE ORDER NUMBER:		INTACT? Y/N/NA	Y
SHIPPED VIA:		RECEIVED GOOD COND./COLD	Y
TAT: ☐ 24HR ☐ 48HR ☐ 1WK ☐ 2WKS		AAI RFS #:	9811005

Comments:

SAMPLE DISPOSAL INSTRUCTIONS
☐ AAI Disposal (By Quote) ☐ Return ☐ Pickup (will call)

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 405	Signature: [signature] Time: 2:00pm	Signature: Time:
Printed Name: M. CATTON Date: 4/16/98	Printed Name: JOHN PLATA Date: 4-16-98	Printed Name: Date:
Company: ENVIROPACIFICA	Company: EXPRESS AIR	Company:
RECEIVED BY: 1.	**RECEIVED BY: 2.**	**RECEIVED BY: 3.**
Signature: [signature] Time: 1530	Signature: Time:	Signature: Time:
Printed Name: Michael Sport Date: 4-16-98	Printed Name: Date:	Printed Name: Date:
Company: Atm Air Inc	Company:	Apollo Analyt c

DISTRIBUTION White • Canary APOLLO ANALYTICS INC. • PINK - ONIGINATOR

OPERATOR Stevenson Ranch A.P.I. 037-05900

WELL NO. "Shell-Ferguson" 2-7 SECTION 31, T. 4 N, R. 16 W

MAP

INTENTION	Abandon					
NOTICE DATED	4-8-98					
P-REPORT NUMBER	298-66					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	4-9-98											
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 _____

II TION BOOK _____

IDLE WELL LIST _____

SURFACE INSP. CARD _____

REMARKS: _____

OK TO RELEASE FROM CONFIDENTIAL _____

ABANDONED-REMOVED FROM E.D.P. _____

OPERATOR Stevenson Ranch A.P.I. 037-05900

WELL NO. "Shell-Ferguson" 2-7 SECTION 31, T. 4 N, R. 16 W

MAP

INTENTION	Abandon					
NOTICE DATED	4-8-98					
P-REPORT NUMBER	298-66					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	4-9-98											
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 _____

INJECTION BOOK _____ REMARKS: _____ RELEASED BOND _____

IDLE WELL LIST _____

SURFACE INSP. CARD _____

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. P298-66

PERMIT TO CONDUCT WELL OPERATIONS

(field code)

(area code)

(new pool code

(old pool code)

Jerry Schamp
Stevenson Ranch Ventura, LLC
15300 Ventura Blvd. Suite 500
Sherman Oaks, CA 91403

Ventura, California
April 9, 1998

Shell Western E & P Inc.

Your supplementary proposal to abandon well "Shell Ferguson" 2-7, A.P.I. No. 037-05900, Section 31, T. 4N, R. 16W, S.B. B.&M., ---------- field, ---------- area, ---------- pool, Los Angeles County, dated 4/8/98, received 4/9/98, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

Extending Casing Phase

1. All casing used shall conform to withstand anticipated collapse, burst, and tension forces with the appropriate design factor to obtain a safe operation.
2. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.

Reabandonment Operations

1. Blowout prevention equipment conforming to DOGGR Class II 5M requirements with a hydraulic actuating system is installed on the 11-3/4" 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 11,926' or to a maximum depth of 12,351 if no cement plug is located.

Continued on Page 2

NO BOND REQUIRED

cc: Gregory Millikan
EnviroPacifica, Inc.
31344 Via Colinas, Suite 104
Westlake Village, Ca 91362

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)

4. The well is circulated until all gases are evaluated from the wellbore.
5. The well shall be plugged with cement from 11,826' to 11,926'.
6. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 82 lbs./cu. ft and a minimum gel-shear strength of 20 lbs./100 sq. ft.
7. The well shall be plugged with cement from 3750' to 3850'.
8. The well shall be plugged with cement from 1164' to 1264'.
9. The 11-3/4" casing shall be plugged with cement from 30' to the surface.
10. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.
11. THIS DIVISION SHALL BE NOTIFIED:
    a. To inspect the installed blowout prevention equipment prior to commencing downhole operations.
    b. To witness the clean out depth of the well.
    c. To witness the location and hardness of the bottomhole plug.
    d. To witness the mudding of the well.
    e. To witness the location and hardness of the cement plugs at 3750' and 1164'.
    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 reabandonment will be issued.

NOTE:

1. An approved blowout prevention and control plan shall be available during the proposed operations.
2. Any sump used during these operations shall be thoroughly cleaned and filled with earth as soon as operations are completed.
3. In the event that the cement plug is not found at 11,926, then the well shall be plugged with a 100 foot cement plug beginning at the total cleanout.
4. the event that the above requirements are unable to be fulfilled, then Division may impose additional requirements for building on this site near this well.

STATE OF CALIFORNIA–THE RESOURCES AGENCY
PETE WILSON, *Governor*
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS,
D GEOTHERMAL RESOURCES
..0 SOUTH HILL ROAD, SUITE 116
VENTURA, CALIFORNIA 93003-4458
(805) 654-4761
TELEFAX (805) 654-4765

April 8, 1998

Gregory R. Millikan
EnviroPacifica, Inc.
31344 Via Colinas, Suite 104
Westlake Village, California 91362

Dear Mr. Millikan:

Shell Western E&P. Inc.
"Shell Ferguson" 2-7
API Number 037-05900
Los Angeles County

On March 30, 1998, Bruce Hesson of this Division conducted a gas test to ascertain the condition of the subject well. This was done in order to complete one of our requirements prior to issuing our clearance to build on the project site. The condition of the well was such that gas was observed leaking at the well head. As a result, further work is required on this well.

During the drilling of the well, gas was encountered at 12,351'. The well "Received heavy surges of gas" as drilling continued to the total depth of 12,464'. On June 24, 1959, cement was placed at 12,462' , 3942', 1297', and final a 10 foot surface plug. This Division issued a "Report of Well Abandonment" dated August 6, 1959 to the operator.

As the well is now leaking gas, this Division will require that this well be reabandoned pursuant to Section 3208.1 of the Public Resources Code. As this well is located in a position that will not allow for easy access for equipment that will be required, this Division will accept the reabandonment of the well in a two part construction phase. The first part shall consist of extending the casing up the proposed final grade. This will enable reabandonment operations to proceed in a more effective manner. After the casing is extended to the final grade, the following are our requirements. The depths that are being indicated refer to the old derrick floor measures.

1. Submit a hard copy of a "Supplementary Notice" to perform the work.
2. Install Class II 5M BOPE.
3. Clean out the well to top of cement plug that is calculated to be at 11,926'. In the event that this plug is not located at 11,926', cleanout will continue to a maximum depth of 12,351'.

4. The well shall be circulated with heavy mud to ensure that the well is completely dead.
5. The well shall be plugged with cement from 12,351' to at least 12,251'. If the event that the previously place cement plug is found above 12, 251, then the well shall be plugged with cement 100' above the previously placed cement.
6. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of mud that was used during the cleanout process. At a minimum the mud shall be 82 lbs./cu. ft and a minimum gel-shear strength of 20 lbs./100 sq. ft.
7. Replace the plug at the Base of the Saugus at 3850'. This plug shall extend from at least 3750' to 3850'.
8. Replace the cement plug at the shoe of the 11-3/4" casing. This plug shall extend from 1164' to 1264'.
9. A cement plug shall be placed from at least 30' below the final grade to surface.
10. The top of the casing shall be cut no lower than 5 feet below grade.
11. In the event that a structure is placed within 5 feet of the well, then an approved vent system shall be installed on this well.
12. In all other respects all procedures outlined in the Division's "CONSTRUCTION PROJECT SITE REVIEW AND WELL ABANDONMENT PROCEDURE" document shall be followed.

In the event that cleanout to the required depth is not possible, this Division will re-adjust our requirements and may put building restrictions on the project site near the well.

If you have any questions, please contact Steve Fields at (805) 654-4761.

Patrick J. Kinnear
District Deputy

RECEIVED
APR 08 1998

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

SUPPLEMENTARY NOTICE

FOR DIVISION USE ONLY			
BOND	FORMS		EDP WELL
	OGD114	OGD121	FILE
		✓	

A notice to the Division of Oil and Gas dated April 08, 19 98, stating the intention to

Re-Abandon (Drill, rework, abandon) well Shell Ferguson 2-7 (Well designation), API No. 03705900,

Sec. 31, T. 4N, R. 16W, SB B.& M., Wildcat - Los Angeles County Field,

Los Angeles 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:

Unknown

2. The total depth is: 12,464 feet. The effective depth is: N/A feet.

3. Present completion zone (s): N/A (Name). Anticipated completion zone (s): N/A (Name).

4. Present zone pressure: N/A psi. Anticipated/existing new zone pressure: N/A psi.

We now propose: *(A complete program is preferred and may be attached.)*

1. drill several holes in the wellhead cover;
2. Remove Well cover after displacing explosive gases with Nitrogen;
3. Weld on pony joint of 11 3/4 inch casing;
4. Bring fill up to pony joint finish grade;
5. add joints to finish grade with cement jobs, as appropriate to minimize ga
6. build rig pad;
7. drill out surface plug and explore to T.D. to determine source of gases;
8. Plug as appropriate to contain gases;
9. Install well vent, if well is near proposed structures or property lines.

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	
Stevenson Ranch Venture, LLC	818-385-0080 x14 Jerry Schamp	
Address	City	Zip Code
15300 Ventura Blvd. Suite 500	Sherman Oaks	91403
Name of Person Filing Notice	Signature	Date
Gregory R. Millikan RG, EnviroPacifica, Inc	Gregory R. Millikan	08 April 1998

File In Duplicate.

OG123 (1/96/GSR1/1M)

CONSTRUCTION SITE WELL INSPECTION

District Ref. No. _____

Field: _____ City/County Los Angeles Sec. 31 T. 4 R. 16 SB B.&M.

Location (major cross streets): Hemingway & Poe

Development Representative: Scott Moore / Greg Milikan Phone: (813) 391-3947 3945

Describe the exact location of the excavation or well at the building site (from a reference point on a Division map): _____

How the location was determined: Measured ☐ Surveyed ☐ Other ☐

Describe: _____

Well designation: "Shell Ferguson" 2-7, API No. 037-05700

Operator: [illegible]

SAFETY PRECAUTIONS AND UNSAFE EXCAVATIONS

CAUTION! Oil and gas wells may produce hydrogen sulfide gas, which is highly poisonous, and will accumulate and concentrate in low areas such as excavations. Before entering an excavation area, test to ensure that there is sufficient oxygen and that the flammable/toxic gas readings are within safe limits.

INSPECTIONS	1	Initials Date	2	Initials Date	3	Initials Date	4	Initials Date
Excavation size	15x15'	[illegible] 3-8						
Picture No.	1	"	2					
Picture direction	E	"	[illegible]					
Metal detector (Y/N)								
Visible casing size(s) (or comment)	[illegible]	11 3/4" COND.						
Fluid leaks (Y/N)*	No	[illegible] 3-8						
Amount (est.)	–							
Gas leaks (Y/N)*	YES	[illegible] 3-8						
Amount (est.)	–	–						
Gas detector (Y/N)	15 [illegible]	[illegible] 3-8						
Bubble test (Y/N)	YES	[illegible] 3-8						

*Leak location(s): _____

Describe hazardous or damaged well condition(s): Gas leakage from TA-Hole in Surf Plate

Comment - [illegible] 5' [illegible]

Report finalized by: [signature] Date: 3/30/98

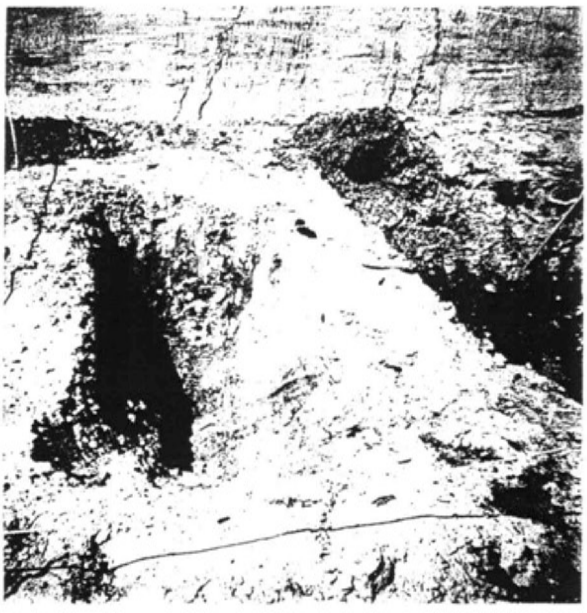
Page 1 of 2

OG190A (5/89/GSR1/1M)

25

21

3/30/98

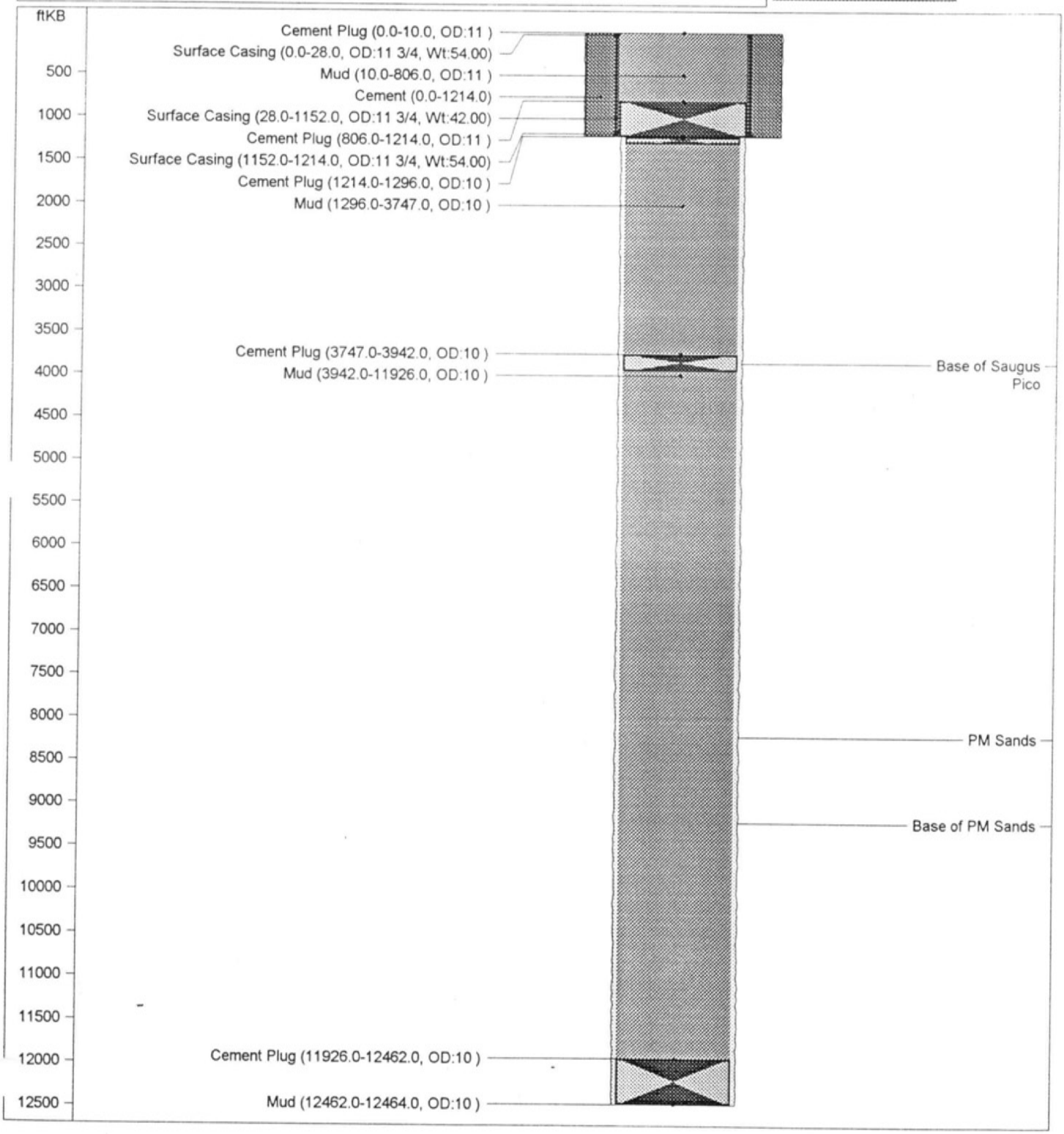


"SHELL-FERGUSON" 2-7
1

"SHELL-FERGUSON" 2-7
2

04037059000000	
Well Name	SHELL FERGUSON 2-7
Operator	SHELL WESTERN E. & P. INC.
Field Name	ANY FIELD
TD	12464.0 ftKB
PBTD	0.0 ftKB
Approval Date	14-Apr-59
Spud Date	16-Apr-59
TD Date	21-Jun-59
Production Date	
Injection Date	
P/A Date	24-Jun-59

Division of Oil & Gas Conservation



1/13/98

NAME CHANGE - FROM SHELL CALIF.PROD. INC. TO SHELL WESTERN E & P INC. 6/1/87

Greg Milkan 818 391 394
(Cell phone)

Layton & Associates
SWEPI
"Shell-Ferguson" 2-7
Sec 31 4N 16W
Map 252

60 fill over well
100 yds to nearest house

office - 818 707 8320

Reabandonment Requirements

Extend to
JMFAL
Fields 1/13/98

FORM 159 (9-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Inglewood, California

August 6 1959

Mr. Richard A Flohr
2080 Obispo Ave
Long Beach 4 California
Agent for SHELL OIL CO

DEAR SIR:

Your report of abandonment of Well No. "Shell Ferguson" 2-7, Proj. / Sec. 31, T. 4 N, R. 16 W, S B B. & M., - - - field, Los Angeles County, dated July 14, 1959, 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 BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A	8-14-59		Blanket		E&B
OB	GB				

RAJ:es
orig Mr J Fillman
cc Mr E H Musser
Mr W F Bates
Conservation Comm
Production Dept
Mr L A Dutton
Fire Prevention Bureau

E. H. MUSSER
State Oil and Gas Supervisor

By Wm. C. Bailey
Deputy Supervisor

64442 9-58 10M SPO

30

26

ORM 100.
ALIFORNIA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER

DIVISION OF OIL AND GAS
RECEIVED
JUL 20 1959
INGLEWOOD, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Los Angeles County

Operator Shell Oil Company (Field Newhall Potrero, Southeast)

Well No. "Shell Ferguson" 2-7 Sec. 31, T. 4 N., R. 16 W., S.B. B. & M.

Location 140' South and 3104' East from Corner No. 13, Ferguson Lease.

Elevation of ground above sea level 1629.1 feet.

All depth measurements taken from top of derrick floor, which is 12.1 feet above ground.

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 July 14, 1959

Signed J. M. Tillman

Title Division Exploitation Engineer

(Engineer or Geologist) (Superintendent) (~~XXXXXXXXXXXXX~~Agent)

Commenced drilling April 16, 1959 Completed drilling June 21, 1959 Drilling tools ~~XXXX~~ Rotary

Total depth 12464' Plugged depth

~~XXX~~ Plugs: 12462'/12000'±, 3942'/3750'±, 1297'/806', 10' surface plug, welded steel plate over 11-3/4" casing.

Abandoned ~~XXXXXXXXXXXXXXX~~ June 24, 1959 (date) ~~XXXXXXXXXXXXXXXXXXXX~~ (cross out unnecessary words)

GEOLOGICAL MARKERS	DEPTH
Saugus	0-3850
Pico	3850
PM Sands	8200-9200
Upper Miocene	T.D.

	Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production						
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 Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
11-3/4"	1214'	Surface	54#&42#	New	Seamless	H-40	17"	1645	-

PERFORATIONS

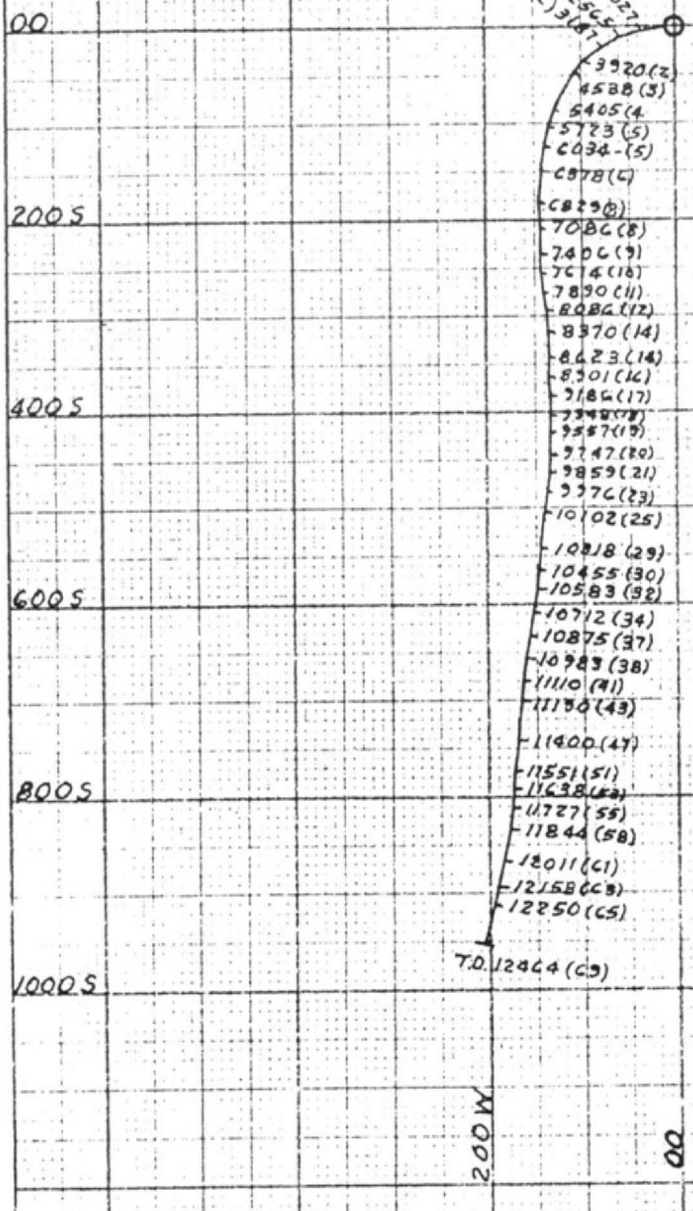
Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

31 Electrical Log Depths 12464', 10102' (Attach Copy of Log) 31

LOCATION

140' south and 3104' east from corner 13 (Ferguson lease)
Section 31, T. 4 N., R. 16 W.
Elevation 1641.2'

DIVISION OF OIL AND GAS
RECEIVED
JUL 20 1959
INGLEWOOD, CALIFORNIA



Abandoned 6-59
954.33' south and 205.70 west from surface location.
Measured depth 12464'
Vertical depth 12395.10'

SHELL OIL COMPANY
COASTAL DIVISION

SURVEY
- Castaic Area
Shell

Ferguson 2-7

DRAFTING BY: V.E.S.	SCALE: 1" = 200'
APPROVED BY:	ISSUED: 7-9-59
PRODUCTION DEPARTMENT EXPLOITATION ENGINEERING	Z6 - 1921

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 159-558

Mr. Richard A Flohr
2080 Obispo Avenue
Long Beach 4 California
Agent for SHELL OIL COMPANY

Inglewood 3 Calif.
June 30, 1959

DEAR SIR:

Operations at your well No. "Shell Ferguson" 2-7 Proj. xxxxxx, Sec. 31, T. 4 N, R 16 W, S B B & M. Field, in Los Angeles County, were witnessed on June 24, 1959. Mr. R. Johnson, Engineer, representative of the supervisor was present from 1:15 to 1:45 p.m. There were also present B. Ferguson, Drilling Foreman, A. Jordan, Driller.

Present condition of well: 11-3/4" cem. 1214'. T.D. 12,464', plugged with cement 12,464'-11,926'±, 3942'-3747'±, and 1297'-806'.

The operations were performed for the purpose of witnessing the plugging operations in the process of abandonment.

Mr. Ferguson reported:

1. A 10-5/8" hole was drilled from 1214' to 12,464'.
2. On June 24, 1959, 275 sacks of cement (calculated to fill to 11,926') was pumped into the hole through 5" drill pipe hanging at 12,462'.
3. On June 24, 1959, 100 sacks of cement (calculated to fill to 3747') was pumped into th hole through 5" drill pipe hanging at 3942'.
4. On June 24, 1959, 350 sacks of cement was pumped into the hole through 5" drill pipe hanging at 1297'.

THE ENGINEER NOTED THAT the cement plug at the reported depth of 806' supported seven poin of the weight of the drill pipe.

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

RJ:OH

cc Production Dept Attn Mr W F Bates

94

E. H. MUSSER
State Oil and Gas Supervisor

By [signature] Deputy

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63193 9-57 17M SPO

3C

FORM 111

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 159-549

Mr. Richard A Flohr
2080 Obispo Avenue
LONG BEACH 4 California
Agent for SHELL OIL COMPANY

Inglewood 3 Calif.
June 30, 1959

DEAR SIR:

Your proposal to abandon Well No. "Shell Ferguson" 2-7,

Proj. Section 31, T. 4 N, R. 16 W, S B B. & M., xxxxxx Field, Los Angeles County,

dated June 26, 1959, received June 29, 1959, 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: Base of usable fresh water behind surface casing.

THE NOTICE STATES
"The present condition of the well is:
1. Total Depth: 12464'

2. Complete casing record, including plugs:
11-3/4" surface casing at 1214'

3. Last Produced (Dry Hole)

Additional Data for Dry Hole
4. Oil or Gas showings and results tests: Hydrocarbon showings 12160'-12464' Interval not tested.

5. Stratigraphic markers and depths:
Saugus 0-3850'
Pico 3850'
PM Sands 8200-9200'
6. Geologic age at bottom: U. Miocene
7. Base of fresh water sands: 3850'."

PROPOSAL
"The proposed work is
Set cement plugs 12250-12000'
3950- 3750'
1000 -1300'
10' plug at surface
Abandonment program verbally agreed to by Mr. D. Ritzius, 4/23/59."

DECISION
THE PROPOSAL, COVERING WORK ALREADY COMPLETED IN ACCORDANCE WITH PRIOR AGREEMENT, IS APPROVED.

DER:CH

O/K

cc Mr W F Bates, Production Dept
Shell Oil Company
1006 West 6th Street
LOS ANGELES 54

E. H. MUSSER, State Oil and Gas Supervisor

By _____, Deputy

39 Blanket bond.

34

96787 4-59 50M SPO

FORM 108. 25462 10-55 25,550 ④ SPO

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JUN 29 1959
INGLEWOOD, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

Ventura, Calif. June 26, 1959

DIVISION OF OIL AND GAS

In compliance with Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well No. Shell Ferguson 2-7, Sec. 31, T. 4 N., R. 16 W., S.B. B. & M., ~~Newhall, Potrero, Southeast~~ Field, Los Angeles County,

commencing work on April 16, 1959.

THE PRESENT CONDITION OF THE WELL IS:

1. Total Depth: 12464'

2. Complete casing record, including plugs:

11-3/4" surface casing at 1214'

3. Last Produced (Dry Hole)
(Date) (Oil, B/D) (Water, B/D)

ADDITIONAL DATA FOR DRY HOLE

4. Oil or Gas showings and results of tests:
Hydrocarbon showings 12160'-12464'
Interval not tested.

5. Stratigraphic markers and depths:
Saugus 0-3850'
Pico 3850'
PM Sands 8200-9200'

6. Geologic age at bottom: U. Miocene

7. Base of fresh water sands: 3850'

THE PROPOSED WORK IS

Set cement plugs 12250-12000'
3950-3750'
1000 -1300'
10' plug at surface

Abandonment program verbally agreed to by Mr. D. Ritzius, 4/23/59.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121

P. O. Box 691, Ventura, California
(Address)

Miller 8-2751
(Telephone No.)

Shell Oil Company
(Name of Operator)

By J. M. Hillman by MS

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

40

33

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. I 59-341

Mr. Richar A Flohr
2080 Obispo Avenue
Long Beach 4 California

Inglewood 3 Calif.
April 30 1959

Agent for SHELL OIL COMPANY

DEAR SIR:

Operations at your well No. "Shell-Ferguson" 2-7 Proj. xxxx Field, in Los Angeles County, were witnessed on April 27, 1959. Mr. W. Hunter, Engineer, representative of the supervisor was present from 9:30 to 10:00 a.m. There were also present B. Eakins, Drilling Foreman, Sec. 31, T. 4 N., R. 16 W., S.B. B & M.

Present condition of well: 11-3/4" cem. 1214', T.D. (drilling) 5540'

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

~~Mr. xx xxxxxxxxx xx xxxxxxxxxx xxxxxxxxxxxxx reported~~

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

WH:yk

cc- Prod Dept, c/o Company

E. H. MUSSER
State Oil and Gas Supervisor

By _____ Deputy

3/H

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63193 9-57 17M ② SPO

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FORM 111

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS
REPORT ON PROPOSED OPERATIONS

No. P 59303

Mr. Richard A Flohr
2080 Obispo Avenue
Long Beach 4 California
Agent for SHELL OIL CO

Inglewood 3 Calif.
April 14, 1959

DEAR SIR:

Your proposal to drill Well No. "Shell Ferguson" 2-7,

Proj. Section 31, T. 4 N, R. 16 W, S B B. & M., xxxxx Field, Los Angeles County,

dated April 8, 1959, received April 10, 1959, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES

"Legal description of mineral right lease, consisting of 585± acres, is as follows: Refer to Notice of Intention to Drill Shell Ferguson 1-7 dated October 2, 1958.

Do mineral and surface leases coincide? Yes X No ____

Location of Well: 140 feet south and 3104 feet east from Corner No. 13, Ferguson Lease.

Elevation of ground above sea level ~~1625±~~ feet ~1629 datum.

All depth measurements taken from top of derrick floor which is ~~20±~~ 12.1 feet above ground."

PROPOSAL

"PROPOSED CASING PROGRAM

Size of Casing

Inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
11-3/4"	42#	H-40	Surface	1300'±	1300'±

Intended zone or zones of completion: Exploratory

Estimated total depth 12,750'±.

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. The well shall not be located within 100' of the property line.
2. Sufficient cement shall be pumped back of the 11-3/4" casing to reach the surface.
3. 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 pipe.
4. Adequate blowout prevention equipment shall be installed and maintained in operating condition at all times.
5. This Division shall be consulted before running any additional casing, or placing any plugs in the hole. Additional requirements may be specified at that time.
6. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 2000'.
   (b) To witness a test of water shut-off above each productive zone of any casing cemented over or through any oil or gas zone, or zones.

DER:OH

cc Mr W F Bates c/o Production Dept
Shell Oil Company
LOS ANGELES 54

S/B

Blanket bond.

80

58444 7-57 60M SPO

E. H. MUSSER, State Oil and Gas Supervisor

By _____, Deputy

FORM 105

031-05900

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
APR 10 1959
INGLEWOOD, CALIFORNIA

Ventura, Calif. April 8, 1959

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. "Shell Ferguson" 2-7 (Projected), Sec. 31, T. 4 N., R. 16 W., S.B. B. & M., East Ventura Basin, Newhall-Potrero Extension ~~Extn~~, Los Angeles County. WJH

Legal description of mineral right lease, consisting of 585± acres, is as follows: (Attach map or plat to scale)

Refer to Notice of Intention to Drill Shell Ferguson 1-7 dated October 2, 1958.

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: ____ feet (Direction) along property section line and ____ feet (Direction) at right angles to said line from the property corner of section

140 feet south and 3104 feet east from Corner No. 13, Ferguson Lease.

Elevation of ground above sea level ~~1625±~~ 1629 feet datum.

All depth measurements taken from top of derrick floor (Derrick Floor, Rotary Table or Kelly Bushing) which is ~~10±~~ 12.1 feet above ground.

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
11-3/4"	42#	H-40	Surface	1300'±	1300'±

Intended zone or zones of completion: Exploratory (Name) (Depth, top and bottom)

Estimated total depth 12,750'±

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18B WH 4-10	WH 4-10				

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address P. O. Box 691, Ventura, California

Telephone Number Miller 8-2751

Shell Oil Company (Name of Operator)

By J. M. Pillsbury

Type of Organization (Corporation, Partnership, Individual, etc.)

81

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DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY McCulloch WELL NO. Ferguson 7-2

API NO. 037-12609 SEC. 31, T. 4N, R. 16W, SB B.&M.

COUNTY LA FIELD Newhall-Potrero

RBDMS DATA ENTERED: 10/8/99
(DATE)

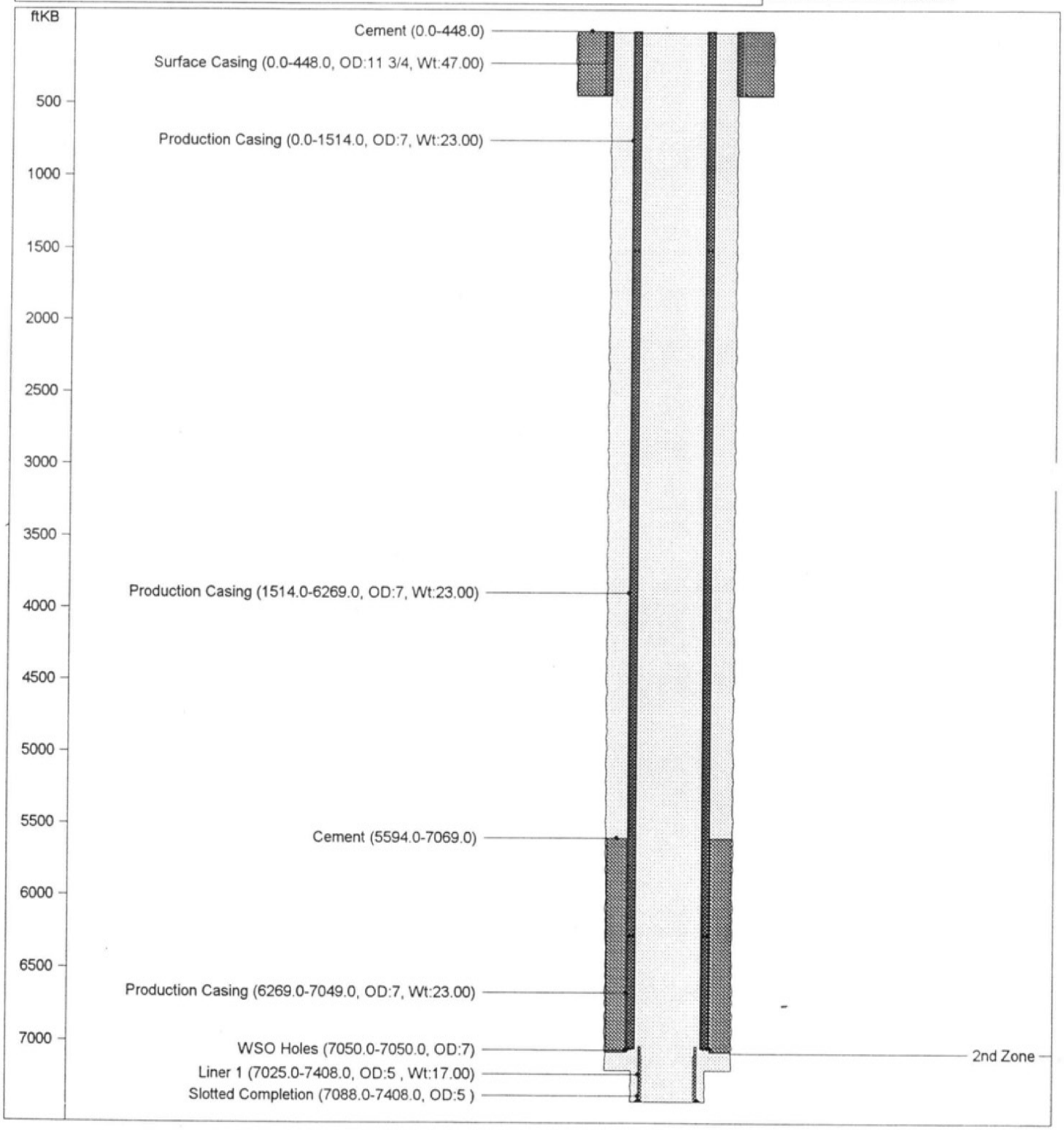
BY: SAT
(NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

WELL CONSTRUCTION DATA ONLY

04037126090000	
Well Name	Ferguson 7-2
Operator	MEDALLION CALIF PRPTS CO
Field Name	NEWHALL-POTRERO
TD	7409.0 ftKB
PBTD	7409.0 ftKB
Approval Date	16-Feb-50
Spud Date	18-Feb-50
TD Date	19-Apr-50
Production Date	22-Apr-50
Injection Date	21-Jul-69
P/A Date	

Division of Oil & Gas Conservation



10/8/99

2

2

STATE OF CALIFORNIA–THE RESOURCES AGENCY

PETE WILSON, *Governor*

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
0 SOUTH HILL ROAD, SUITE 116
VENTURA, CALIFORNIA 93003-4458
(805) 654-4761
TELEFAX (805) 654-4765

September 15, 1997

Bradford A. DeWitt, Agent
MEDALLION CALIFORNIA PROPERTIES CO.
1100 Mohawk St., Ste. 154
Bakersfield, CA 93309-0465

Dear Mr. DeWitt,

This is to inform you that your well, "Ferguson" 7-2 has been entered into the Division's Production Reporting (EDP) System. Pertinent information for the well follows:

API Number: 037-12609
Field: Newhall-Potrero (500)
Area: Any (00)
Pool: 3rd (20)
Well Type: WF
Effective Date: August 1, 1997

Please ensure that this well is added to your production reports that are submitted to our Sacramento office.

Sincerely,

Lina S. Kirby Cook

for Steven A. Fields
Operations Engineer

3

FLUID LEVEL SURVEYS

Field: Newhall-Potrero
Inspector: Bruce H. Hesson
Date: August 23, 1991

WELL		Pressure	FLUID LEVEL (fbgl)
"Fergeson"	2	12	6541
"	4	230	4898
"	6	30	7595
"	7	175	7440
"	9	(Well is buried - to be tested later)	
"RSF"	24	15	5456
"	25	vac.	6076
"	31	40	5301
"	36	20	5332
"	47	vac.	4991
"	50	1	4898
"	51	4	3534
"	52	vac.	3503
"	124	17	4681
"	132	15	4371

4

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-2	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or change	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

OGD156 (6/90/GSR1/2M)

5

5

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sec. 31, T. 4N., R. 16W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address: P.O. Box 55060, Valcenia, Ca. 91355	Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

May 11, 1970

WATER-FLOOD PROJECT
Sun Oil Co.
Newhall-Potrero Field
1-2-3 Pool
Second Zone

Inglewood

We have been informed by Sun Oil Company that water-flood operations in the Second zone, 1-2-3 pool, Newhall-Potrero field, have been terminated as of April 1970.

The status of water flood wells No. "Ferguson" 7-2 (037-12609) and "Ferguson" 9-2 (037-12611), Sec. 31, T. 4 N., R. 16 W., S.B.B.&M., has changed to idle water flood wells. These wells will be deleted from Table 5 of our Summary of Operations.

John F. Matthews, Jr.
Deputy Supervisor

ADS:es

cc - Production Dept.
A. D. Stockton

7

7

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 [illegible] RECORDS & REQUIREMENTS CHECKED: Eng. [illegible]

Summary (dup.) ____

Log & Core (dup.) ____

History (dup.) Not required

E-log ____

Radio log ____

D. Survey ____

Other Spinners 7/29/69 ✓

(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 ____

Surface inspection ____

Data needed Summary-Hist

Request records No

Correct records ____ (Specify)

CARDS ____

BOND: Checked

Hold ____ Reason ____

Release ____ Date elig. ____

End premium year ____
Release requested ____ (Check)
Bond superseded ____ (one)
Well abandoned ____

FINAL LETTER ____ and
FILE CLEARED ____

Clerk:
F 170 ____
F 165 ____
165A ____
F 150b ____
F 159 ____
F 121 ____

Form 19-A

8

8

FORM 109-D

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 169-747

Mr. J. R. Hinkle, Agent
SUN OIL COMPANY - DX DIVISION
23928 Lyons Avenue
~~xxxxxxx~~ Newhall, California 91321
Agent for

Inglewood, Calif.
July 28, 1969

DEAR SIR: (037-12609)

Operations at well No. "Ferguson" 7-2, Sec. 31, T. 4 N, R. 16 W, S.B. B & M. Newhall-Potrero Field, in Los Angeles County, were witnessed on July 21, 1969. Mr. R. Rothermel, Engineer, representative of the supervisor was present from 9:00 a.m. to 3:15 p.m. There were also present S. Wagner, Engineer & J. Toops, Foreman

Present condition of well: 11-3/4" cem. 448'; 7" cem. 7069', perf. 7050', WSO; 5" ld. 7025'-7408', perf. 7088'-7408'. TD 7409'.

The operations were performed for the purpose of demonstrating that all of the injection fluid is confined to formations below 7088'.

Mr. Wagner reported: that injection water was being pumped into the well under 2500 Psi at a rate of 1360 barrels per day.

THE ENGINEER NOTED THAT an analysis of the spinner, temperature and radioactive tracer surveys indicated that no upward movement of fluid occurred behind casing above 7088'.

THE OPERATION AS WITNESSED AND REPORTED IS APPROVED indicating that all injection fluid is confined to formations below 7088' at this time.

RR:nw

cc Company

F. E. KASLINE
State Oil and Gas Supervisor

By John T. Mullen Jr. Deputy

21022-705 5-68 15M ② OSP

9

10

Zone

SURVEY DATA

RUN NO.	1	2	3	4	5	6
Type Survey	R/A Sp					
Date	7/21/69					
Time	9:00 A.M.					
Inj. Rate	1360 B/D					
Inj. Press.	2500 psi					
Pick-up	7393'					
Service Co.	TRIANGLE					

INJECTED FLUID - B/D

SAND	1	2	3	4	5	6

INJECTION - %

Measurement Datum

0 10 20 30 40 50 60 70 80 90 100

Temp.

120° 124°

7000

7100

7200

7300

7400

Remarks R/A indicates W.S.O., pkr. & shoe O.K.

FORM 111

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 169-792

WATER FLOOD

Mr. J. R. Hinkle, Agent
SUN OIL COMPANY - DX DIVISION
23928 Lyons Avenue
xxxxxxx Newhall, California 91321

Inglewood, Calif.
July 17, 1969

DEAR SIR:

(037-12609)

Your proposal to convert to water flood Well No. "Ferguson" 7-2, Section 31, T. 4 N, R. 16 W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County, dated 7/8/69, received 7/15/69, has been examined in conjunction with records filed in this office. xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

With reference to your notice our decision is as follows:

DECISION
THE PROPOSAL IS APPROVED PROVIDED:

1. THIS DIVISION SHALL BE NOTIFIED TO WITNESS the running of a temperature, spinner and/or radioactive survey to confirm that the injection water is confined to the intended zone of 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 to be 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.
5. Within 30 days after injection is started, this Division shall be furnished with sufficient data to confirm that the injected fluid is confined to the intended zone of injection.
6. Sufficient records shall be kept to establish that no damage is occurring because of excessive injection pressure. Such records shall be open to inspection by personnel of this Division.

NOTE:

1. The base of the fresh water sands is at 1170' and 4000'. The fresh water is protected by 11-3/4" casing cemented at 448' with sufficient cement to fill to the surface, and by the 7" casing cemented at 7069' with sufficient cement to fill to 5594'.
2. The water to be injected tests about 4890 ppm sodium chloride, and is water produced from neighboring wells.
3. The strata into which water is to be injected contain a mixture of oil and salt water. The salt water tests approx. 7210 ppm sodium chloride.
4. Approx. Surface Location of Well: 1185' N., 115' E. fr. SW cor. Sec. 31.

ADS:nw

cc Sacramento (3)
Company
Co. Ind. Waste Div.

Blanket Bond

F. E. KASLINE, State Oil and Gas Supervisor

By John F. Matthew Jr, Deputy
CAH

15

20411-705 4-68 20M OSP

11

F. E. Kasline

July 17, 1969

WATER-FLOOD PROJECT
Sun Oil Co. - DX Div.
Newhall-Potrero Field
1-2-3 Pool - 2nd Zone

Inglewood

We are enclosing three copies of report No. P169-792, dated July 17, 1969, issued in answer to a proposal by Sun Oil Company - DX Division to convert to water flood well No. "Ferguson" 7-2 (037-12609), Sec. 31, T. 4 N., R. 16 W., S.B.B.& M., Newhall-Potrero field.

The base of the fresh water sands is at 1170 and 4000 feet. The fresh water is protected by 11 3/4-inch casing cemented at 448 feet with sufficient cement to fill the annular space behind this casing to the surface, and by 7-inch casing cemented at 7069 feet with sufficient cement to fill the annular space behind this casing to 5594 feet.

This is a continuation of the water-flood project originally approved in our letter dated March 24, 1969.

John F. Matthew, Jr.
CWH

Deputy Supervisor

ADS:nw

cc W. F. Huey
Production Department

Enclosures

12

12

FORM 157

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

830 N. La Brea Ave.
Inglewood, California

July 15, 1969

Mr. John R. Hinkle, Agent
SUN OIL CO. - DX DIV.
23928 Lyons Avenue
~~Agent for~~ Newhall, Calif. 91321

DEAR SIR:

Your ~~request dated~~ Notice dated July 8, 1969, relative to change in designation of well(s) in Sec. 31, T. 4 N., R. 16 W., S.B. B. & M., Newhall-Potrero field, Los Angeles County, District No. 1, has been received;

and in accordance with Section 3203, Public Resources Code, reading in part as follows:

> "* * * The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor."

the proposed change in designation is hereby authorized as follows:

Well No. "Ferguson" 7 will hereafter be known as well No. "Ferguson" 7-2 (037-12609).

Corrections Made as Follows:	By Whom
Form 114	
" 115	
" 121	
" 148	
Cards	
Production Reports	
Well Records (Folders	
(Reports	
Field Maps 150	
Map Book 2-18-69	

ag
cc: F. E. Kasline
Prod. Dept.
Conservation Committee

F. E. KASLINE
~~E. R. MURRAY AARON~~
State Oil and Gas Supervisor

By John T. Matthews, Jr.
Deputy Supervisor

△ SPO

13

13

PRODUCTION DEPARTMENT
M. C. WELCH
District Manager

SUN OIL COMPANY DX DIVISION
23928 LYONS AVENUE, NEWHALL, CALIFORNIA 91321

July 8, 1969

Division of Oil and Gas
Resources Agency of California
Department of Conservation
830 North La Brea Avenue
Inglewood, California 90302

RECEIVED
JUL 10 1969
INGLEWOOD, CAL.

Attn: Mr. J. F. Matthews

Dear Sir:

"Ferguson #7" will hereafter be designated as "Ferguson #7-2", as indicated on the attached notice of conversion to water injection. Please amend your records to show the change.

Very truly yours,

J. R. Hinkle
District Engineer

JRH/JSW/pam

cc

Attachment

14

14

FORM 107

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given before work begins; one copy only

Newhall, Calif. July 8, 1969

DIVISION OF OIL AND GAS

RECEIVED
JUL 15 1969

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. Ferguson #7-2
(Cross out unnecessary words)

, Sec. 31, T. 4N, R. 16W, S.B. B. & M.

Newhall - Potrero Field, Los Angeles County.

The present condition of the well is as follows:

1. Total depth.

7409' TD

2. Complete casing record, including plugs:

11 3/4" 47#, J-55 csg cmt'd w/shoe @ 448' w/280 sx
7" 23#, J-55 & N-80 csg. cmt'd w/shoe @ 7069' w/450 sx
4 - 1/2" Holes @ 7050 - W.S.O.
5" 17#, J-55 csg. as production liner w/shoe @ 7408' and top of Burns liner hanger @ 7025'. Liner perf'd w/ 1/4" RH, 3" centers 10 rows 7408'-7088'.
16 1/2" Hole to 448'
10 5/8" Hole to 7190'
6 1/8" Hole to 7409' TD.

3. Last produced. June, 1969 (Date) 2 (Oil, B/D) 0 (Water, B/D) 7 MCF/D (Gas Mcf/D)

The proposed work is as follows:

1. Pull rods and tubing
2. Bail hole clean to 7409' TD, and scrape 7" casing to 7025'.
3. Run 2 7/8" injection tubing and set Baker Model "R" packer at 6975'.
4. Displace 1100 gals. of a mixture of high aromatic solvent and a carrier solvent into the zone prior to commencement of injection.
5. Place well on water and polymer injection.

MAP	Mak Book	CARDS	BOND	FORMS 114	FORMS 121
		ARC		ARC	

23928 Lyons Ave. Newhall, Calif. 91321
(Address)

805 259-2440
(Telephone No.)

SUN OIL COMPANY - DX DIVISION
(Name of Operator)

By J. R. Hinkle, District Engineer

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

81958-705 10-66 15M OSP

15 15

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: **Newhall-Potrero** District: **1**

Former Owner: **General Exploration Co. of Calif.** Date: **March 3, 1965**

Description of Property: **Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.**
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:

"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: **January 1, 1965**
New Owner: **SUNRAY DX OIL COMPANY**
Address: **23928 Lyons Ave., Newhall, Calif.**

Telephone No. **259-2440**

Type of Organization: **Corporation**
Reported by: **General Exploration Co. of Calif. on Dec. 1964 Production Report**
Confirmed by: **Sunray DX Oil Co. in letter dated 3-1-65**
New Operator New Status **PA** , Old Operator New Status **PA**
Request designation of agent **No**

Remarks:

cc **E. R. Murray-Aaron**
Production Dept.
Conservation Comm.

Wm. C. Bailey
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M ② SPO

16

16

GENERAL EXPLORATION COMPANY
OF CALIFORNIA
417 SOUTH HILL STREET
LOS ANGELES 13, CALIFORNIA
MUtual 2156

DIVISION OF OIL AND GAS
RECEIVED
MAY 25 1950
LOS ANGELES, CALIFORNIA

May 24, 1950

Division of Oil and Gas
1015 West Olympic Boulevard
Los Angeles (15), California

Gentlemen:

Enclosed are the following reports on our "Ferguson" #7 well in the Newhall-Potrero field:

2 copies - Well Summary,
2 copies - History,
2 copies - Core Descriptions, and
2 copies - Schlumberger.

According to our records all necessary reports have now been sent in. Will you, therefore, kindly release us from bond at your earliest convenience.

Yours very truly,

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

R. S. Ballantyne, Jr.

GS

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FORM 100.
CALIFORNIA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE

FILL BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
MAY 25 1950
LOS ANGELES, CALIFORNIA

WELL SUMMARY REPORT

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 7 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Location (3507' Southerly and 2719' Easterly (from North corner of easternmost line (of Lot 10, measured parallel and normal (to said line.

Elevation above sea level 1656' feet.

All depth measurements taken from top of Kelly bushing, which is 12 feet above ground.

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 5/23/50

Signed R. S. Ballantyne, Jr.

R. S. Ballantyne, Jr. (Engineer or Geologist) C. C. Winslow (Superintendent)

Title Engineer.

Commenced drilling 2/18/50 Completed drilling 4/19/50 Drilling tools Rotary

Total depth 7409' Plugged depth ---

Junk none

GEOLOGICAL MARKERS	DEPTH
Top second zone	7075'

Commenced producing 4/22/50 (date) Flowing (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	420	33.1	0.5	450 (estimated)	130#-160#	---
Production after 30 days	180	33.4	0.1	350	80#-100#	

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 Drilled	Number of Sacks of Cement	Depth of Cement if through perfor.
11-3/4"	448'	0'	47#	New	Seamless	J-55	16-1/2"	280	
	(7069'	6289'	23#	New	Seamless	N-80)			
~~7"~~	~~(6289'~~	~~1514'~~	~~23#~~	~~New~~	~~Seamless~~	~~J-55)~~	~~10-5/8"~~	~~450~~	
	(1514'	0'	23#	New	Seamless	N-80)			
5"	7408'	7025'	17#	New	Seamless	J-55	10-5/8" & 6-1/8"		Landed

Perforations

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	7408 ft.	7088 ft.	1/4" round	10	3"	Machine
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 488' - 7408' (Attach Copy of Log)

18

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FORM 103
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
MAY 25 1950
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" 7, Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Signed R. S. Ballantyne, Jr.

Date 5/23/50 Title Engineer.
(President, Secretary or Agent)

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	
1950	
/18-20	Spudded and drilled 10-5/8" hole from surface to 451'.
/20	Opened 10-5/8" hole to 16-1/2" from surface to 448'. Ran 11-3/4", 47#, J-55 casing to 448' and cemented with 280 sacks of construction cement. Cement returned to the surface.
/21-4/5	Drilled 10-5/8" hole from 451' to 7190'. The interval from 7177' to 7190' was cored.
/5-7	Stuck drill pipe on bottom (7190'), spotted 100 bbl. of oil in two 50 bbl. lots, pulled loose, and conditioned hole.
/7	Ran Schlumberger electric log from 448' to 7171'.
/8	Ran 7", 23#, J-55 and N-80 casing to 7069' and cemented with 450 sacks of construction cement. Displaced cement with 1567 cu. ft. of drilling fluid (1553 cu. ft. estimated when plugs hit and displacement pressure built up to 650# from 550#. 3 cu. ft. returned when pressure was bled off-- float valve held. Casing grades from bottom to top are as follows: N-80 from 7069' to 6289', J-55 from 6289' to 1514', N-80 from 1514' to surface.
/11	Found top of set cement at 7017' and drilled cement out to 7058'. Ran McCullough combination gun-tester on 3-1/2" drill pipe with 1000' of fresh water cushion. Shot four 1/2" holes at 7050'. Set tester at 7026' with tailpiece at 7034'. Opened valve at 2:18 P.M. Tester open 4 hours and 42 minutes during which time there was a weak heading blow for 90 minutes and a strong gas blow thereafter. When the drill pipe was removed, a net rise of 1000' of very light, frothy, gas-cut oily drilling fluid was recovered. Pressure chart was all right. Water Shut-Off was approved by Division of Oil and Gas.
/12	Drilled cement out from 7058' to shoe of 7" casing at 7069' and cleaned out to 7190'. Changed over from an oil emulsion to oil base drilling fluid.
/13-19	Drilled 6-1/8" hole from 7190' to 7409'. The following intervals were cored: 7209'-7225'; 7250'-7251'; 7279'-7294'; 7344'-7354'; and 7386'-7409'.
/13-14	Ran 10-5/8" wall scraper over the interval from 7075' to 7190'.
/19	Ran Schlumberger electric log from 7069' to 7408'. Ran total of 383' (including Burns liner hanger) of 5", 17#, j-55 liner on 3-1/2" drill pipe. Landed liner at 7408' with top of hanger at 7025'. Liner perforated from 7088' to 7408' with 1/4" round holes on 3 centers in 10 rows.

FORM 103
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" 7, Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Signed R S Ballantyne Jr.

Date 5/23/50

Title R. S. Ballantyne, Jr., Engineer.
(President, Secretary or Agent)

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	
1950 4/20-21	Ran Olympic production packer (30" stroke) on 2-1/2" tubing (224 joints) with 2-1/2" x 2" swage nipple tail. Set packer at 6975' (6987' K.B.) with bottom of packer at 6984'. Opened dump in packer and circulated oil base mud out with oil and closed dump.
4/21-22	Swabbed well from 10:00 A.M. 4/21 to 1:00 A.M. 4/22 when well started to flow. Flowed at daily rate of 576 bbl. for first 6-1/2 hours on 32/64" bean.
4/22-23	Production for the 24 hours starting from 7:30 A.M. 4/22 was 420 bbl. net, 33.1°, 0.5%, estimated 450 M.C.F., 130#-160#/0#.

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FORM 105
CALIFORNIA STATE PRINTING OFFICE

037-12609

DIVISION OF OIL AND GAS
RECEIVED
FEB 1 [illegible]
LOS ANGELES, CALIFORNIA

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. February 9, 1950

DIVISION OF OIL AND GAS
1015 West Olympic Boulevard
Los Angeles (15), Calif.

alt. location:
Fr SW cor 1200N 320E

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. "Ferguson" 7, Sec. 31, T. 4-N P.W.B. R. 16-W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

Legal description of lease See plat attached to Notice of Intention to Drill "Ferguson" #5.

The well is 3507 feet ~~N. of~~ S., and 2719 feet E. ~~of W.~~ from (North corner of easternmost line of (Lot 10, measured parallel and normal to said line.
(Give location in distance from section corners or other corners of legal subdivision)

Elevation of ground above sea level 1656 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 7250 feet.

(1890' Sly along W line Ferguson lease from N.W. Cor [illegible] 2719 Ely at rt angles)

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
11-3/4"	47	J-55	450	Cemented
7"	23	J-55 and N-80	7,250	Cemented
5"	18	J-55	(7,250 (7,600	Landed

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A	P.W.B.	EB			EB

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 750 Subway Terminal Building
417 South Hill Street
Los Angeles, (13) California

Telephone number MU-2156

GENERAL EXPLORATION COMPANY
OF CALIFORNIA
(Name of Operator)

By R S Ballantyne Jr
R. S. Ballantyne, Engineer

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

27

28

GENERAL EXPLORATION COMPANY
OF CALIFORNIA
417 SOUTH HILL STREET
LOS ANGELES 13, CALIFORNIA
MUtual 2156

DIVISION OF OIL AND GAS
RECEIVED
FEB 1 [illegible]
LOS ANGELES, CALIFORNIA

February 9, 1950

Division of Oil and Gas
1015 West Olympic Boulevard
Los Angeles (15), California

Gentlemen:

Enclosed is Notice of Intention to Drill New Well, together with Drilling Bond, covering our "Ferguson" #7 well located in Section 31, Township 4-N., Range 16-W., S.B.B.& M., in the Newhall-Potrero field, Los Angeles County, California.

Yours very truly,

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

R S Ballantyne, Jr

GS

R. S. Ballantyne, Engineer

Encl - Notice
Bond.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or change	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county NEWHALL-POTRERO	District 2
Former owner Sun Oil Company	Date Mar. 31, 1983

Name and location of well(s)

Sec. 31, T. 4N., R. 16W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange 1/1/82	New owner Sun Exploration & Production Co. Address P.O. Box 55060 Valcenia, Ca. 91355	Type of organization Company Telephone No. (805) 257-6200

Reported by
Sun Oil Company

Confirmed by
Sun Exploration & Production Co.

New operator new status (status abbreviation) PA	Request designation of agent on file
Old operator new status (status abbreviation) Ab	Remarks NAME CHANGE ONLY

Deputy Supervisor
Murray W. Dosch

Signature
Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County **Newhall-Potrero** District **1**

Former Owner: **General Exploration Co. of Calif.** Date **March 3, 1965**

Description of Property **Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.**
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer **January 1, 1965**
New Owner: **SUNRAY DX OIL COMPANY**
Address: **23928 Lyons Ave., Newhall, Calif.**

Telephone No. **259-2440**

Type of Organization **Corporation**
Reported by: **General Exploration Co. of Calif. on Dec. 1964 Production Report**
Confirmed by: **Sunray DX Oil Co. in letter dated 3-1-65**
New Operator New Status **PA** , Old Operator New Status **PA**
Request designation of agent **No**

Remarks:

cc **E. R. Murray-Aaron**
Production Dept.
Conservation Comm.

Wm. C. Bradley
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M ② SPC

3

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FORM 103
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR GENERAL EXPLORATION COMPANY OF CALIFORNIA FIELD Newhall-Potrero

Well No. "Ferguson" 8, Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Signed R. S. Ballantyne Jr.
R. S. Ballantyne, Jr.,
Engineer.

Date 10/2/50 Title

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.

1950

Date	
7/23-24	Spudded and drilled 17-1/2" hole to 45' and 12" hole to 465'.
7/24	Opened 12" hole to 16-1/2" from 45' to 465' and drilled 16-1/2" hole to 473'.
7/25	Ran 11-3/4", 47#, J-55 casing to 471' and cemented with 300 sacks of cement.
7/26-9/10	Drilled 10-5/8" hole from 473' to 7189'. The intervals from 7074' to 7119' and 7139' to 7189' were cored.
8/23	Ran schlumberger electric log from 477' to 5556'.
8/27	Ran schlumberger electric log from 5556' to 5955'.
9/1	Ran schlumberger electric log from 5955' to 6522'.
9/10	Ran schlumberger electric log from 6522' to 7189'.
9/11	Ran 7", 23#, N-80 and J-55, and 26# N-80 casing to 7169' and cemented with 475 sacks of construction cement. Depths of 7" casing by weight and grade follows: 0' to 911', 23#, N-80; 911' to 5677', 23# J-55; 5677' to 6822', 23# N-80; and 6822' to 7169', 26#, N-80.
9/14-15	Found top of hard cement at 7122' and drilled cement out to 7159'.
9/15	Perforated four 1/2" holes at 7140' with Byron-Jackson jet. Ran Johnston formation tester on 3-1/2" drill pipe with 1000' of water cushion. Set packer at 7114' with tailpiece at 7131'. Valve open for one hour from 6:05 P.M. to 7:05 P.M. During this interval there was a light steady blow decreasing to dead in two minutes-- dead thereafter. There was a net rise of 10' of light drilling fluid. Pressure charts O.K. Water Shut-off approved by Division of Oil and Gas.
9/16	Cleaned out cement to shoe at 7159' and cleaned out to 7189'. Changed over from clay base to 100% oil base drilling fluid.
9/16-21	Drilled 6-1/8" hole from 7189' to 7459'. The interval from 7439' to 7459' was cored.
9/22	Ran schlumberger electric log from 7189' to 7459'. Fired 192 Byron-Jackson open hole charges on one foot centers between the intervals 7175' to 7290' and 7298' to 7375'.
9/23	Ran 6-1/8" bit and cleaned out to 7459'. Ran 315' (including liner hanger) of 5", 18# J-55 liner on 3-1/2" drill pipe and landed at 7451' with top of hanger at 7136'. The liner was perforated from 7171' to 7451' as follows: 7171' to 7359' with 1/4" round holes in 10 rows on 3" centers and 7359' to 7451' with 100-mesh x 2" slots in 6 rows on 6" centers.
9/23-25	Laid down 3-1/2" drill pipe. Dropped 31 joints drill pipe, to bottom. Picked up drill pipe, screwed onto fish, recovered same. Laid down drill pipe.
9/25	Ran Olympic production packer (30" stroke) on 2-1/2" tubing (228 joints-- 7064' plus 1 slick joint-- 22') with 2-1/2" x 2" swage nipple tail. Set packer at 7087' (7098' K.B.) with tail at 7092' (7103' K.B.). Opened dump in packer and circulated oil & mud out with oil and closed dump.
9/26	Swabbed well. Started flowing at 3:15 P.M.
9/27	First 16 hours flowed at rate of 778 B/D net, 33.8°, 0.3%, 640 MCF, 100#-110#/0#.

- - - - -

FORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 8 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
7074'	7101'			17.6'	CORE #1
		15.0'			Siltstone, hard, dark slightly brownish-gr with one occasional irregularly bedded fi sand laminae and inclusions (locally nume cus). Suggestion of dip from top to bott as follows: 38°, 34°, 38°, 30°, 29°, 29° 32°, 34°, 28°, 28°, 41°, 41°, 32°, 30°, 3 36°, or an average of 33°.
		.7'			Shell, laminae sandstone and siltstone, band light gray and brown, contains several ir regular inclusions. Dips 37°-42°.
		.7'			Siltstone as above.
		.2'			Shell as above. 40° dip, irregularly bedde
		1.0'			Siltstone as above. 38° dip.
		17.6'			
7101'	7119'				CORE #2
					No recovery.
7139'	7169'			20.6'	CORE #3
		4.5'			Siltstone, hard massive, grayish-brown, wit fine light gray sand inclusions and ir- regular streaks. Average dip is 40° with dips ranging from 32°-45°. Strongly crus ed, broken, and fractured in 1/4" to 3" pieces (mostly 1/4" to 1/2") from 1.6' to 2.4'. Bottom 1.0' also strongly fracture top half more so than bottom half, mainly on roughly parallel fractures and averagi 25°-30° dip 90° counterclockwise from dip strata (to NW if strata dips NE), some su faces slickensided on angles from horizon to vertical.
		10.5'			Siltstone, hard, massive, dark grayish-brown with occasional fine light sand streaks a inclusions. Dips as follows: 29°, 30°, 4 36°, 39°, 37°, 38°, and 29°. In top 1.0' are four 40° fractures dipping 135° count clockwise from dip of strata (to W. if strata dips NE), no slickensiding, probabl joint pattern. Same pattern present in

FORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 8 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #3 - Cont'd.
					five 30°- 35° fractures from 8.7' to 9.8', also another similar pair of 25°-30° fractures in bottom .4'.
		.2'			Shell, laminae sandstone with silt streaks, dips 35°.
		.1'			Siltstone.
		.3'			Shell, siltstone, hard, dirty sandy appear with large siltstone inclusions.
		.2'			Shale, hard dark brown, almost siltstone, dips 40°.
		.7'			Shell, sandstone, hard, fine, light gray with bandings of white and light brown laminated streaks, good 40° dip.
		1.8'			Shale as above with irregular shelly s laminae and inclusions in top 0.8' an bottom 0.4' platy and contains laminae w shelly sand, dips 38° at top. Bottom 0.5' somewhat crushed with yellow gold fluorescing free oil on some fracture surfaces
		1.0'			Shell, sandstone, very hard, fine matrix somewhat pebbly, light gray.
		1.3'			Oil sand, firm, fine matrix with numerous 1/16"-1/8" sand grains giving sand a coar appearance, light slightly brown-gray, go light oil odor, light amber cut, good lig yellow gold fluorescence. Bottom half be ly burnt in coring and contains a limy co cretion 3"x5" from 0.7' to 0.9' (in catch which plugged core head and caused burnin several 1" siltstone inclusions below abo mentioned concretion.
		20.6'			
7169'	7189'			2.0'	CORE #4
		1.5'			Conglomerate, oil sand, igneous pebbles and cobbles 1" to 5" all blown out and scatte ed indiscriminately upon removal from cor barrel. Oil sand occurs in few 1" - 2" pieces which are very firm and firm-h , friable and barely friable, fine matri slightly pebbly, light slightly brown-gra with good light oil odor, light amber cut and golden yellow fluorescence.
		.5'			Shell, sandstone, very hard, fine light gra limy with bottom 0.1' containing fairly

FORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA - Field Newhall-Potrero

Well No. "Ferguson" 8 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #4 - Cont'd.
					well cemented conglomerate with several 1/2" - 2" igneous pebbles and oil sand as described above.
		2.0'			
7439'	7459' (T.D.)			21.8'	CORE #5
		21.8'			Siltstone, hard, massive, gray-brown with thin fine sand streaks throughout and several 1" sandstone shell streaks in bottom half of core. Shears as follows: at 2.1' one 30° shear with vertical slick ensside dipping opposite to strata and one 60° shear dipping 45° clockwise from str from 8.1' to 9.8' extend three 60°-62° shears and one 85° shear all dipping 90° to 135° clockwise from strata; at 15.7' one 50° shear with dip opposed to strata; from 17.5' to 19.0' 58°, 40°, 15°, 40°, 85°, and 38° shears top down with dips mostly opposed to strata; and at 21.5' on 72° shear. Dips from top to bottom follo (average dip per tray): 25°, 25°, 27°, 2 26°, 28°, 25°, and 25°.
		21.8'			

- - - - - -

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—NOTE—

DO NOT DISCARD THIS PAGE

MAINTAIN IN PROJECT SEQUENCE

SUBMIT LOG IN DUPLICATE

FILL THE BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 8 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Location (3694' Southerly and 3327' Easterly (from corner of Easternmost line of Lot 10 of Lot 19, measured parallel and normal to said line.

Elevation above sea level 1666 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

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 October 26, 1950

Signed R. S. Ballantyne, Jr.

R. S. Ballantyne, Jr. (Engineer or Geologist) C. C. Winslow (Superintendent)

Title Engineer.

Commenced drilling 7/23/50 Completed drilling 9/21/50 Drilling tools Rotary

Total depth 7459' Plugged depth

Junk

GEOLOGICAL MARKERS	DEPTH
Top second zone	7163'

Commenced producing 9/26/50 (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	778	33.8°	0.3%	640	100# - 110#	0#
Production after 30 days	230	"	"	650	190# - 270#	

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 Drilled	Number of Sacks of Cement	Depth of Cement if through perforati
11-3/4"	471'	0'	47#	New	Seamless	J-55	16-1/2"	300	
	911'	0'	23#	New	Seamless	N-80	10-5/8"	475	
	5677'	911'	23#	New	Seamless	J-55			
7"	6822'	5677'	23#	New	Seamless	N-80			
	7169'	6822'	26#	New	Seamless	N-80			
5"	7451'	7136'	18#	New	Seamless	J-55	6-1/8"	Landed	

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	7451 ft.	7359 ft.	100-mesh, 2" slots	6	6	Machine
5'	7359 ft.	7171 ft.	1/4" round holes	10	3	Machine
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 477' to 7459' (Attach Copy of Log)

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FORM 109-A (10-48)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-51776

Los Angeles 15, Calif. September 25, 1950

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your well No. "Ferguson" 8, Sec. 31, T. 4 N., R. 16 W., S. B. B & M. Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on September 15, 1950. Mr. J. L. White, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present R. S. Ballantyne, Jr., Engineer; H. D. Mann, Driller.

Shut-off data: 7 in. 23 & 26 lb. casing was cemented xxxx at 7169 ft. on September 11, 1950 in 10-5/8 in. hole with 475 sacks of cement xxxx of which 9 sacks was left in casing.

Casing record of well: 11-3/4" cem. 471'; 7" cem. 7169'; four 1/2" test holes 7140', W.S.O.

Present depth 7194 ft. Bridged with cement from 7169 ft. to 7159 ft. Cleaned out to 7159 ft. for test. A pressure of xxx lb. was applied to the inside of casing for xxx min. without loss after cleaning out to xxx ft. A Johnston gun and tester was run into the hole on 3-1/2 in. drill pipe with 1000 ft. of water cushion, and packer set at 7114 ft. with tailpiece to 7131 ft. Tester valve, with 3/8 in. bean, was opened at 6:05 p.m. and remained open for 1 hr. and xxx min. During this interval there was a light, steady, decreasing blow for 2 min., and no blow thereafter.

THE INSPECTOR ARRIVED AT THE WELL AT 8:45 P. M. AND MR. BALLANTYNE REPORTED:

1. A 10-5/8" rotary hole was drilled from 471' to 7194'.
2. Electrical core readings showed the top of the 2nd zone at 7160'.
3. Cement was drilled out of the 7" casing from 7122' to 7159' (equivalent to 7 sacks), and the casing was cleaned out to 7159'.
4. The 7" casing was shot-perforated with four 1/2" holes at 7140'.
5. A Johnston tester was run as noted above.

THE INSPECTOR NOTED:

1. When the drill pipe was removed, 10' (net) of thin drilling fluid was found in the drill pipe above the tester, equivalent to 0.1 bbl.
2. The recording pressure bomb chart showed that the tester valve was open 1 hr.

The test was completed at 9:45 p.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 7140' IS APPROVED.

JLW:OH

cc- Company F/C

R. D. BUSH, State Oil and Gas Supervisor

By E. H. Musser, Deputy

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FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-51562

Los Angeles 15, Calif. August 8, 1950

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Operations at your well No. "Ferguson" 8 Sec. 31, T. 4 N., R. 16 W., S. B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by J. F. Foster, Inspector, representative of the supervisor, on August 1, 1950. There was also present R. A. Lewis, Drilling Foreman; W. C. Crossen, Driller.

Casing Record 11-3/4" cem. 471'. T. D. 2400'. | Junk None

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 1:40 p.m. and Mr. Lewis reported:

1. A 16-1/2" rotary hole was drilled from the surface to 471'.
2. On July 25, 1950, 11-3/4", 47 lb. casing was cemented at 471' with 300 sacks of cement.
3. A 10-5/8" rotary hole was drilled from 471' to 2400'.

THE INSPECTOR NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 2" mud fill-up line with a 2" high pressure Nordstrom stopcock into the 11-3/4" casing below the above equipment.

The inspection was completed at 1:55 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

JFF:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Nusser Deputy

16330 10-49 17,500 ⓔ SPO

FORM 111.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-48584

Los Angeles 15, Calif. July 27, 1950

MR. C. G. Willis

Long Beach 13, Calif.

Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your proposal to drill Well No. "Ferguson" 8,

Section 31, T4 N., R.16 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County,

dated July 20, 1950, received July 24, 1950 has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 3694 feet S. and 3327 feet E. from (N. corner of eastermost line of Lot (10, measured parallel and normal to said line.

Elevation of ground above sea level 1666 feet.
All depth measurements taken from top of Kelly bushings, which is 11 feet above ground.
We estimate that the first productive oil or gas sand should be encountered at a depth of about 7200 feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
11-3/4"	47	J-55 Seamless	450'	Cemented
7"	23	(Seamless (J-55 and N-80	7200'	Cemented
5"	17	J-55 Seamless	(7200' to (7600'	Landed

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT

1. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
2. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.
3. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 1000'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

CLB:OH
V/F

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

Bond No. 204442

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FORM 105 (2-49)
CALIFORNIA STATE PRINTING OFFICE

037-12610

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, CALIFORNIA

Los Angelles, Calif. July 20, 1950

DIVISION OF OIL AND GAS
1015 West Olympic Boulevard
Los Angeles (15) Calif.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A	P.W.B.		[illegible]		

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. "Ferguson" 8, Sec. 31, T. 4-N, R. 16-W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

Legal description of lease (See plat attached to Notice of Intention to Drill "Ferguson" 5).

The well is 3694 feet ~~N. of~~ S., and 3327 feet E. ~~of W.~~ from (N. corner of easternmost line of Lot (10, measured parallel and normal to said line.
(Give location in distance from section corners or other corners of legal subdivision)

Elevation of ground above sea level 1666 feet.

All depth measurements taken from top of Kelly bushings, which is 11 feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 7200 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
11-3/4"	47	J-55 Seamless	450'	Cemented
7"	23	(Seamless (J-55 and N-80	7200'	Cemented
5"	17	J-55 Seamless	(7200' to (7600'	Landed

1080' N/y [illegible] S.W. Cor Sec 31 [illegible]

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address 750 Subway Terminal Building
417 South Hill Street
Los Angeles (13), California

Telephone number MU-2156

GENERAL EXPLORATION COMPANY
OF CALIFORNIA
(Name of Operator)

By R S Ballantyne Jr
R. S. Ballantyne, Jr., Engineer.

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

1/3

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

March 18, 1998

Bradford A. DeWitt, Agent
MEDALLION CALIFORNIA PROPERTIES
1100 Mohawk St., Ste. 154
Bakersfield, CA 93309

Your report of the plugging and abandonment of well "Ferguson" 9-2

A.P.I. No. 037-12611, Section 31, T. 4N, R. 16W, SBB.& M.

Newhall Potrero field, Los Angeles County,

dated January 9, 1998, received January 23, 1998, 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

tkc

cc: Update

Modified OG159 (4/94)

OPERATOR [illegible] A.P.I. [illegible]
WELL NO. [illegible] SECTION 31 T. 4 N, R. 16 W
MAP 252

INTENTION	[illegible]					
NOTICE DATED	[illegible]					
P-REPORT NUMBER	[illegible]					
CHECKED BY/DATE						
MAP LETTER DATED	2-7-98					
SYMBOL	[illegible]					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	[illegible]											
HISTORY	1-23-98											
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]	2-4-98					
DRILL CARD						

RECORD'S COMPLETE 1-30-98

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:

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator Medallion California Properties Co. Field Newhall-Potrero County Los Angeles

Well "Ferguson" 9 Sec 31, T 4N, R 16W, S. B. B. & M.

A.P.I. No. 037-12611 Name Claude D. Fiddler (Person submitting report) Title Engineer (President, Secretary, Agent)

Date January 9, 1998

Signature Claude D. Fiddler

5400 Rosedale Highway, Bakersfield, CA 93308 (Address) 805/635-0465 (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	
1997	
9/29	MIRU coil tubing unit (CTU). RIH, tagged down at 6954 ft. Steve Fields, DOGGR, approved plugging from 6954 ft. Mixed and pumped 104 sxs (119 ft^3) of Class "G" cmt 6954 ft to 6420 ft, pulled tubing to 5090 ft and sqz'd 39 ft^3 cement away. Squeeze witnessed by Paul Cronmiller, DOGGR. SIWFN.
9/30	Lower CT and tag top of cmt at 6637 ft (est 48 ft^3 of cmt into liner). Pumped 213 bbls 9.6 ppg mud into well from 6637 ft to 1150 ft. Mud placement witnessed by Paul Cronmiller, DOGGR. POOH w/CT. RIH and made cavity shot at 1150 ft. RIH w/CT to 1150 ft. Pumped 57.6 sxs (66 ft^3) of Class "G" cmt. Laid plug 1150 ft to 850 ft. POOH. RDMO.
10/1	RIH. Shot eight 1/2" holes in 7" casing at 100 ft. RU CTU. RIH, tagged plug at 838 ft. Pumped 29 bbls 9.6 ppg mud, filled well from 838 ft to 100 ft. RD CTU. Pumped 53 sxs (61 ft^3) of Class "G" cmt down 7" casing, had returns to surface in 7"x11-3/4" annulus and 7" casing. Work witnessed by Paul Cronmiller, DOGGR.
11/20	Completed abandonment, welded on cap and marker. Cleared well location.

RECEIVED
JAN 23 1998
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

OG103 (10/95/GSR1/5M)

SUBMIT IN DUPLICATE

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY Mediacion WELL NO. Ferguson 9-2

API NO. 037-12611 SEC. 31, T. 4N, R. 16W, SB B.&M.

COUNTY LA FIELD Newhall-Potrero

UP DATED
10-9-97

RBDMS DATA ENTERED: 8/15/97 (DATE)

BY: SAF (NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

WELL CONSTRUCTION DATA ONLY

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T297-292

Report on Operations

Bradford A. DeWitt, Agent
MEDALLION CA. PROPERTIES
1100 Mohawk St. Suite 154
Bakersfield, CA 93309

Ventura, California
October 22, 1997

Your operations at well "Ferguson" 9-2, API No. 037-12611,
Sec. 31, T. 4N, R. 16W, S.B. B.&M. Newhall - Potrero Field, in Los Angeles County,
were witnessed on 10-1-97. Mr. Paul Cronmiller, representative of
the supervisor, was present from 1530 to 1600. There were also present
Mr. Von Fortenberry, Company Representative
Present condition of well: 11 3/4" cem 455', 7" cem 6980,' wso perf @ 6960', perf @ 100',
cav shot @ 1150'; 5" ld 6954' - 7265', perf 6987' - 7265'. TD 7266'. Plugged w/ cem 6952'-
6637', 1150' - 838' & 100' - 5'.

The operations were performed for the purpose of abandonment.

DECISION: The plugging operations as witnessed and reported are approved.

cr

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____

Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
Cementing/Plugging Memo

T 292

Operator MEDALLION CALIFORNIA PROPERTIES INC Well No. "FERGUSON" 9-2
API No. 037-12611 Sec. 31, T. 4N, R. 16W, SB B&M
Field NEWHAL-POTRERO, County LOS ANGELES. On OCTOBER 1, 1997
Mr./Ms. PAUL CR[illegible], representative of the supervisor, was present from 1530 to 160[illegible]
There were also present MR. VON FORTIN BERR[illegible]

Casing record of well: ~~25" CEM 14~~, 11 3/4" CEM 455'; 7" CEM 6980'
WSO PERF @ 6960', PERF @ 100', CAV SHOT @ 1150';
5" Ld 6954'-7265', PERF 6987'-7265'. TD 7266'.

The operations were performed for the purpose of ABANDONMENT
PLUGGED W/CEM 6952'-6637', 1150'-838' & 100'-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			
				9-29-97	ctu 6952	119		[illegible]	21 cf	1250	[illegible]

Casing/tubing recovered: CAV" shot/cut at 1150', _____', _____' pulled fr. _____';
PERF" shot/cut at 100', [illegible]', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.5 PPG	9-30-97	213	6637'		1150'	PC
9.5 PPG	10-1-97	29	838		> 100'	

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
-29-97	119 cf	ctu @ 6952'	1400-1600	PC	6637	ctu wt	9-30-97 @ 0700	PC
-30-97	66 cf	ctu @ 1150'	-	REP	838'	ctu wt	10-1-97 @ 1337	PC
-1-97	61 cf	circ @ 100'	1500-1600	PC	SURF	[illegible]	10-1-97 1600	PC

c/o TAG @ 6954'

OGD10 (1/93/GSR1/5M)

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P297-286

PERMIT TO CONDUCT WELL OPERATIONS

(field code)
--
(area code)
--
(new pool code)
--
(old pool code)

WATERFLOOD

Bradford A. DeWitt, Agent
Medallion Calif. Properties
1100 Mohawk St. Suite 154
Bakersfield, CA 93309-7416

Ventura, California
August 25, 1997

Your proposal to abandon well "Ferguson" 9-2,
A.P.I. No. 037-12611, Section 31, T. 4N, R. 16W, S.B. B.&M.,
Newhall-Potrero field, ---------- area, ---------- pool,
Los Angeles County, dated 8/11/97, received 8/14/97, 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 7,265'.
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 plug at 6,854'.
   b. To witness the mudding of the well.
   c. To witness the location and hardness of the cement plug at 1050'.
   d. To witness the placing of the surface plug and the 7" x 11-3/4" annulus and to verify its location.
   e. To inspect and approve the cleanup of the well site with 60 days after well has been plugged and abandoned.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William E. 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
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
✓		✓	✓

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 "Ferguson" #9-2, API No. 037-12611.

Sec. 31 T. 4N, R. 16W. S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

commencing work on September 1, 19 97.

The present condition of the well is:

1. Total depth 7,266 FT

2. Complete casing record, including plugs and perforations (present hole)

Please see below.

3. Last produced _____ (Date) _____ (Oil, B/D) _____ (Gas, Mcf/D) _____ (Water, B/D)

(or)

4. Last injected Third zone injector prior to 10/92 (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 freshwater sands _____

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:

Please see attached **Proposed Abandonment Program.**

RECEIVED
AUG 14 1997
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Complete Casing Record (see No. 2 above):
11-3/4" 47# J-55 casing cmtd @ 455 FT.
7" 23# & 26# J-55 & N-80 casing cmtd @ 6,980 FT; 4-1/2" WSO holes @ 6,960 FT.
5" 18# J-55 liner hung 7,265 FT; top @ 6,954 FT; perf'd with forty 1/4" round holes per foot 6,987 FT - 7,265 FT.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 1100 Mohawk Street, Suite 154 (Street)
Bakersfield, CA 93309 (City) (State) (Zip)
Telephone Number ( ) 805/635-0465 (Area Code) (Number)

Medallion California Properties Co. (Name of Operator)
By Claude D. Fiddler (Print Name)
Claude D. Fiddler 8-11-97 (Signature) (Date)

OG108 (1/95/GSR1/5M) Printed on recycled paper.

PROPOSED ABANDONMENT PROGRAM
FERGUSON WELL #9-2
NEWHALL POTRERO FIELD, LOS ANGELES COUNTY

1. RU Coil Tubing Unit (CTU), install Class II BOPE. RIH and lay a Class "G" cement plug in 5" liner and 7" casing from 7,265 FT to 6,854 FT. Tag cement plug, DOGGR to witness location and hardness of plug. Fill 7" casing with 72# clay base mud from 6,854 FT to 1,150 FT.

2. RU perforators, RIH with cavity shot gear to 1,150 FT, make cavity shot. POOH with perforating gear. RIH with coil tubing, clean out to bottom of cavity if necessary and set Class "G" cement plug from 1,150 FT to 1,050 FT. Tag top of plug. DOGGR to witness location and hardness of plug.

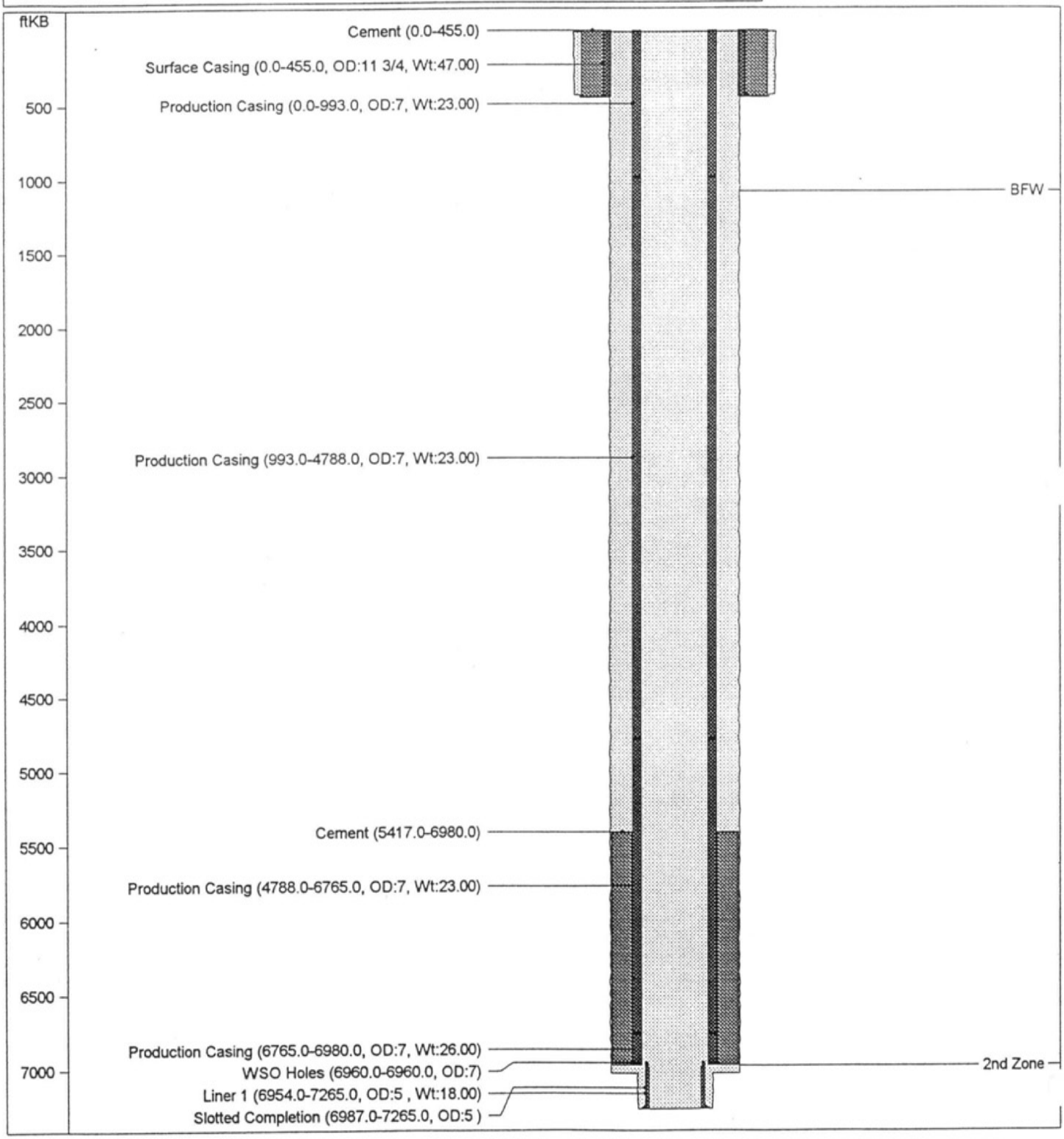
3. Fill 7" casing with 72# clay base mud from 1,050 FT to 100 FT.

4. RU perforators and shoot eight (8) 1/2" holes at 100 FT. RD perforators. RIH with coil tubing and circulate surface plug into 7" x 11-3/4" casing annulus and 7" casing. DOGGR to witness surface plugging. RD coil tubing unit.

5. Clear well location, cut off casing five feet below ground level and weld on required well identification marker. DOGGR to witness plug prior to welding ID plate. DOGGR to make final inspection of location after restoration.

04037126110000	
Well Name	Ferguson 9-2
Operator	MEDALLION CALIF PRPTS CO
Field Name	NEWHALL-POTRERO
TD	7266.0 ftKB
PBTD	7266.0 ftKB
Approval Date	24-Oct-50
Spud Date	19-Oct-50
TD Date	31-Dec-50
Production Date	03-Jan-51
Injection Date	27-Dec-68
P/A Date	

Division of Oil & Gas Conservation



8/15/97

FLUID LEVEL SURVEYS

Field: Newhall-Potrero
Inspector: Bruce H. Hesson
Date: August 23, 1991

WELL		Pressure	FLUID LEVEL (fbgl)
"Fergeson"	2	12	6541
"	4	230	4898
"	6	30	7595
"	7	175	7440
"	9	(Well is buried - to be tested later)	
"RSF"	24	15	5456
"	25	vac.	6076
"	31	40	5301
"	36	20	5332
"	47	vac.	4991
"	50	1	4898
"	51	4	3534
"	52	vac.	3503
"	124	17	4681
"	132	15	4371

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-_	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county: NEWHALL-POTRERO	District: 2
Former owner: Sun Oil Company	Date: Mar. 31, 1983

Name and location of well(s)

Sec. 31, T. 4N., R. 16W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, le, assignment, onveyance, or exchange: 1/1/82	New owner: Sun Exploration & Production Co. Address: P.O. Box 55060 Valcenia, Ca. 91355	Type of organization: Company Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation): PA	Request designation of agent: on file
Old operator new status (status abbreviation): Ab	Remarks: NAME CHANGE ONLY

Deputy Supervisor: Murray W. Dosch

Signature: Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

F. E. KASLINE

May 11, 1970

WATER-FLOOD PROJECT
Sun Oil Co.
Newhall-Potrero Field
1-2-3 Pool
Second Zone

Inglewood

We have been informed by Sun Oil Company that water-flood operations in the Second zone, 1-2-3 pool, Newhall-Potrero field, have been terminated as of April 1970.

The status of water flood wells No. "Ferguson" 7-2 (037-12609) and "Ferguson" 9-2 (037-12611), Sec. 31, T. 4 N., R. 16 W., S.B.B.&M., has changed to idle water flood wells. These wells will be deleted from Table 5 of our Summary of Operations.

John F. Matthews, Jr.
Deputy Supervisor

ADS:es

cc - Production Dept.
A. D. Stockton

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 121___

Form 19-A

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY N. M. FRASER WELL NO. "GERARD" 1

API NO. 037 - 05406 SEC. 6, T. 3N, R. 16W, SB B.&M.

COUNTY LOS ANGELES FIELD

RBDMS DATA ENTERED: 11-8-96
(DATE)

BY: S. MULQUEEN
(NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

WELL CONSTRUCTION DATA ONLY

May 22, 1959

Western Gulf Oil Company
826 East Main Street
Ventura, California

Attention: Mr. L. E. Garrison

Gentlemen:

In regard to your letter of May 15, 1959, we are listing below names of persons to be contacted concerning release of data filed with this Division on the following wells:

P. M. Girard "Fisher-Wosk" 1

P. M. Girard, 408 S. Spring Street, Los Angeles
Mark Fisher (agent), 1009 Subway Terminal Building, Los Angeles 13
Walter S. Clute (engineer), 811 W. 7th Street, Los Angeles

M. M. Fraser "Gerard" 1

M. M. Fraser, 4200 W. Pico Street, Los Angeles

Mutual Development Company "Sanborn" 1

Mutual Development Co., Mark Fisher, President, 426 Parkway Blvd., Pasadena 1
Joseph W. Aidlin, 215 W. Seventh Street, Los Angeles 14

In regard to Electrological Petroleum Corporation, Ltd., "Overman" 1, we have no records worth copying. This also applies to Spencer & Brubaker 1-A, which was drilled to only 75 feet. Hardison & Stewart and Pacific Coast Oil Company wells were drilled prior to 1900 and we have no records of these very shallow wells. The Electrological Petroleum Corporation, Ltd., well No. "Overman" 1 was drilled to a depth of 1070 feet.

Very truly yours,

WM. C. BAILEY
Deputy Supervisor

DER:rw

—NOTE—
DO NOT DISCARD THIS PAGE
MAINTAIN IN PRESENT SEQUENCE

FORM 103. 68404 2-39 15M.
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Memo

History of Oil or Gas Well

OPERATOR N M Fraser FIELD Newhall

Well No. Gerard 1, Sec. 6, T. 3N, R. 16W, S.B. B. & M.

Signed N M Fraser.

Date Dec 13 - 1939

Title L. C. Tomson Driller + Rig owner (President, Secretary or Agent)

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

Oct 1 = Well started with cable tools x
Drilled about 40' of 18 inch hole set 40 of 16 inch pipe'
Drilled 300' of 10 inch and set 7 5/8" pipe at 300.
Drilled 660 feet of 8" hole set 560 of 6" old drill pipe - held in slips until caving of formation held it in place
No water encountered while drilling
No oil sand encountered

Feb 1936 - ceased operations at which time all pipe in the hole.

FORM 100. 78025 10-39 20M
CALIFORNIA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE

FILL [illegible] BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF [illegible] ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Memo

LOG OF OIL OR GAS WELL

Operator N. M. Fraser. Field Newhall

Well No. Gerard 1- Sec. 6, T. 3N, R. 16W, SBB B. & M.

Location on Lots 1-6-7 St John Subd Rancho San Francisco Elevation 1500

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 Dec 13-39 Signed N M Fraser

Title L. E. Tomson Driller

(Engineer or Geologist) (Superintendent) (President, Secretary or Agent)

Commenced drilling Oct. 1-1935 Completed drilling Feb-1936 Drilling tools Cable ~~Rotary~~

Total depth 960 Plugged depth

Junk none

GEOLOGICAL MARKERS	DEPTH
	960

Commenced producing none (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	none					
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 Cementing if through perforation
16"	40'			new			18"		
7 5/8"	300'	0		2nd Hand			10'	not cemented	
6"	560	0	old	6" drill pipe			8'	" "	

Perforations

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths None (Attach Copy of Log)

5 4

FORM 101. 64697
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Memo

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator W M Fraser Field Newhall

Well No. gerard 1 Sec. 6, T. 3N, R. 16W, SB. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
0-38'			Drilled		gravel & surface formation
38-960	shale		"		Blue Shale,
					No water encountered while drilling.
					Water Broke in while trying to produce.

E a Clampett

6

FORM 111. 14410 8-34 20M
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-28525

Los Angeles, Cal. August 2, 1935.

MR. N. M. Fraser,

Los Angeles, Cal.

~~Agent for~~ N. M. FRASER ~~xxxxxxxx~~

DEAR SIR:

Your proposal to drill Well No. "GERARD" 1,

Section 6, T3 N., R16 W., S.B. B. & M., Newhall Oil Field, Los Angeles County,

dated July 27, 1935, received July 29, 1935, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 2500' W'ly along S'ly line of Rancho San Francisco from S.W. corner of Lot 6, St. John Subdivision, thence N. 150'.

The elevation of the derrick floor above sea level is 1500 feet.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 400 feet, more or less."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing	Weight	New or Second Hand	Depth	Landed or Cemented
12½"	50#	New	175	Cement
10"	45#	"	1000	"

Well is to be drilled with cable tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:

This division has not sufficient data available upon which to base an estimate of the depth at which oil or gas-bearing formations fhould be encountered in this vicinity, nor the depth at whi a water shut-off should be effected.

THE PROPOSED DRILLING PROGRAM IS APPROVED, HOWEVER, PROVIDED THAT:

1. (a) Mud fluid of not less than 70 lb. per cubic foot shall be used in the drilling of the well and the column of mud fluid shall be maintained at all times to the surface, particularly while pulling the drill pipe.
   (b) Adequate blow-out prevention equipment shall be provided and ready for operation at all times.
2. The 12½" surface casing shall be cemented in a substantial shale body at a depth of at least 300' or below the lowest sands encountered carrying water suitable for domestic or irrigatio purposes.
3. Any hole to be sidetracked at any time during the drilling of this well shall be completely filled with cement.
4. THIS DIVISION MUST BE NOTIFIED AS FOLLOWS:
   (a) To witness a casing test of the 12½" surface casing.
   (b) When a showing of oil or gas is encountered.
   (c) Before landing or cementing any casing. Other requirements may be outlined at that time.
   (d) To witness a bailing test of each possible water shut-off.

HMP:OH

* T.D. #900'
8 5/8" - ld 300'
6 5/8" - 900'

no oil or gas was found & got only sweet water.

R. D. BUSH
State Oil and Gas Supervisor

By [signature] Deputy

H.G. Hengerer C.B. 5/11/36.

7

3

FORM 105. 6018 8-33 10M
CALIFORNIA STATE PRINTING OFFICE

4

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

037-05406

Notice of Intention to Drill New Well

This notice must be given before drilling begins

Los Angeles Cal. July 27 1935

MR.

Deputy State Oil and Gas Supervisor

Los Angeles Cal.

DEAR SIR:

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of drilling well No. "Gerard" 1, Sec. 6, T. 3N, R. 14W, SB 5.13. B. & M., Newhall Oil Field Los Angeles County.

Lease consists of

The well is 125 feet N. or ~~S.~~, and 150' feet ~~E.~~ or ~~W.~~ from ~~NW Cor. Sec. 6, T. 3N, R16W.~~
(Give location in distance from section corners or other corners of legal subdivision)
→ 2500' W'ly along S'ly line of Rancho San Francisco from S.W. corner of Lot 6, St. John Subdivision, thence N. 150'.

Type:

The elevation of the derrick floor above sea level is 1500 feet.

Corr.: phone Conv. 7/29/35 Gerard - Phillips

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	New or Second Hand	Depth	Landed or Cemented
12½"	50#	New	175	Cement
10"	45#	"	1000	"

Gerard #1 - Located on those portions of Lots 1, 6 and 7, of the St. John sub-division of the Rancho San Francisco, as per maps recorded in Book 196, Page 304 of Miscellaneous Records of Los Angeles County, and that portion of the Rancho San Francisco as per map recorded in Book 1, Page 521 of patents, records of Los Angeles County.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 400 feet, more or less.

Respectfully yours

N. M. Fraser

(Name of Company or Operator)

Address 4200 West Pico St. Los Angeles, Calif.

Telephone number Oregon 2538

By

ADDRESS NOTICE TO DEPUTY STATE OIL AND GAS SUPERVISOR IN CHARGE OF DISTRICT WHERE WELL IS LOCATED

(approx. 850'E. & 300'N. from N.W. cor. Sec. 6 T. 3 N. R 16 W.)

18

2

OPERATOR Exxon Corp.
WELL NO. 1 "Newhall Corp." 1
MAP

IN TION	Abd.	Supp.				
NOTICE DATED	6-16-92	12-20-94				
P-REPORT NUMBER	292-168	P295-002				
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	6-17-92		12-19-94									
HISTORY			11/3/95									
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

'-REPORTS		✓				
PERATOR'S NAME		✓				
ELL NO.		✓				
OC & ELEV		✓				
IGNATURE		✓				
URFACE INSP.	5-3-96 MO	✓				
RILL CARD						

ECORD'S COMPLETE _____ FMW 11/3/95 _____ _____ _____ _____

FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

NJECTION BOOK _____
OLE WELL LIST _____
URFACE INSP. CARD _____

REMARKS: _____

T ELEASE FROM CONFIDENTIAL _____
ANL ED-REMOVED FROM E.D.P. _____

1

2

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 Corporation" 1,

A.P.I. No. 037-06359, Section 24, T. 4N, R. 17W, S.B. B.& M.,

Castaic Junction field, Los Angeles County,

dated 10-23-95, 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)

2

1

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
NOV 3 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 CORPORATION 1, Sec. 24, T 4N, R 17W, S.B. B. & M.

A.P.I. No. 0403706359 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 10/23, 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

10/05/95
MIRU. GUY OUT FULLY. RIG UP PUMP AND TANK. HAUL IN F/W AND L/W. CHECK WELL TBG 800# CSG 0#. BLEED DOWN TBG. PUMP DOWN TBG @ 350#. CLOSE IN WELL.

10/06/95
CHECK WELL TBG 200#, CSG 0#. BLEED WELL. REVERSE CIRCULATE 420 BBL DOWN KILL LINE TO BAKER TANK. CLOSE IN WELL.

10/09/95
CHECK WELL, TBG 0#, CSG 0#. NIPPLE DOWN PROD TREE. NIPPLE UP CLASS II BOP & BOE. FUNCTION TEST OK. RIG UP WORKFLOOR AND TBG EQUIP. UNLAND TBG WORK PKR LOOSE. PULL 90 FT. PUMP 20 BBL DOWN TBG. MEASURE OUT OF HOLE W/20 STANDS. CLOSE IN WELL.

10/10/95
CHECK WELL (NO PSI). CONT MEASURING OUT OF HOLE. RIG UP ACE TESTING. TEST IN HOLE @ 5000# W/80+0. CLOSE IN WELL.

10/11/95
OPEN WELL (NO PSI). CONT TESTING IN HOLE WITH 2.875 INCH TBG. TEST 81+0 @ 5000#. RIG OUT TESTER. PU AND MEASURE 8 JTS 2.875 N-80 TBG. TAG FILL @ 10635 FT. REVERSE CIRCULATE WELL. RIG UP FCI. WITH TBG TAIL @ 10635 PUMP 5 BBL F/W AHEAD. MIX AND PUMP 86 CU FT, 74 SX, CLASS G CEMENT DISPLACE WITH 66 BBL L/W. PULL 30 JTS REVERSE OUT. CLOSE IN WELL EST TOC = 10,200 FT. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, F. NEESE, APPRVD TAG @ 10635 FT AND APPRVD PUMPING CEMENT FROM 10635 - 10359 FT.

10/12/95
OPEN WELL (NO PSI). RIH, TAG CEMENT TOP @ 10290 FT. TEST CSG INTEGRITY TO 500# FOR 5 MIN. RIG UP CEMENTERS. MIX & PUMP 150 BBL 9.7 PPG P&A MUD. DISPLACE WITH 37.5 BBL L/W @ 500#. PULL AND LAY DOWN 137 JTS 2.875 INCH TBG. REVERSE CIRC WELL. RIG UP CEMENTERS. TEST LINES 300 LOW, 3000# HIGH. MIX & PUMP 22 CU FT, 15 SX, CLASS G CEMENT WITH 4% GEL. TBG TAIL 6411 FT DISPLACE WITH 37 BBL L/W @ 600#. PULL AND LAY DOWN 5 JTS 2.875 INCH TBG. REVERSE CIRC. CLOSE IN WELL.

10/13/95
OPEN WELL (NO PRESSURE). RIG UP CEMENTERS. MIX & PUMP 85 BBL 9.7 PPG P&A MUD FROM 6311-4100 FT. DISPLACE WITH 24 BBL L/W. PULL AND LAY DOWN 70 JTS. PULL 3+0. RIG UP KFE WIRELINE. RIH WITH 10 FT 40 SHOT LINK JET PERFORATOR. SHOOT HOLES FROM 4090-4100 FT. POOH. RIH WITH 3+0 TBG TAIL @ 4117 FT. RIG UP CEMENTERS. TEST LINES 300# LOW, 3000# HIGH. PUMP 5 BBL F/W AHEAD. MIX & PUMP 49 CF 33 SX, CLASS G CEMENT W/4% GEL. DISPLACE WITH 23 BBL L/W. PULL 10+0 REVERSE OUT. RIG UP CEMENTER. SQUEEZE AWAY 3.5 BBL @ 800#. CLOSE IN WELL ESTIMATED TOP OF CEMENT 4007 FT.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
NOV 3 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 CORPORATION 1 , Sec. 24 , T 4N , R 17W , S.B. B. & M.

A.P.I. No. 0403706359 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 10/23 , 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 2

10/17/95
RDMO. OPEN WELL, NO PSI. RIH, TAG CMT @ 3730. RIG FCI. MUD FROM 3730 TO 754 FT. POOH, LAY DOWN 109 JTS. PULL 3+0. RIG UP KFE WIRELINE. RIH SHOOT HOLES FROM 764 TO 744 FT 20 FT 80 SHOTS. POOH. RIH W/3+0. WITH TBG TAIL @ 782 FEET RIG UP FCI CEMENTERS. MIX & PUMP 303 CU FT, 263 SX, CLASS G CEMENT WITH 4% GEL DOWN 2.875 INCH TBG UP 7 INCH & 10.75 INCH CSG TO SURFACE. RDMO. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEPHEN MULQUEEN, APPROVED TAG @ 3730.

WELL IS PLUGGED TO SURFACE.

OG103(8/93/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T295-183

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 3, 1995

Your operations at well "Newhall Corporation" 1, API No. 037-06359, Sec. 24, T. 4N, R. 17W, 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 0800 to 0900. There were also present Ken Kennedy, Pool

Present condition of well: 10 3/4" cem 795'; 7" cem 10,640', perf 10,560' WSO (cem off), cp 764' & 4090'; 5 1/2" ld 10,614'-10,899', perfs @ int 10,630'-10,876'. TD 10,901'. Plugged w/ cem 10,633'-10,290', 6411'-6311'+, 4117'-3730' & 782'-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)

5

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DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CEMENTING/PLUGGING MEMO

T295 - 183

Operator EXXON CORP. Well No. "NEWHALL CORP." 1

API No. 037 - 06359 Sec. 24, T. 4N, R. 17W, SB B&M

Field CASTAIC JUNCTION, County LOS ANGELES. On 10-18-95,

Mr. / ~~Ms.~~ STEVE MULQUEEN, representative of the supervisor, was present from 0800 to 0900.

There were also present KEN KENNEDY

Casing record of well: 10¾" cem 795'; 7" cem 10640', perf 10560' WSO (cem off) cp 764' & 4090'; 5½" ld 10614' - 10899', perfs @ int 10630' - 10876'. TD 10901'. Plugged w/ cem 10633' - 10290', 6411' - 6311' ±, 4117' - 3730' & 782' - 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			
*				10-16	TBG @ 4117'	49 cf	4090' ↑	3730'	3½ BBL	800	4090'-4100'

Casing/tubing recovered: _____" ~~shot/cut~~ PERFORATE at 4090 TO 4100'; _____' pulled fr. _____';

_____" ~~shot/cut~~ PERFORATE at 764 TO 744'; _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	bbls.	Displaced	Poured	Fill	Engr.
CLAY GEL 9.7#/g	10-12-95	150	TBG @ 10290'	—		REPORTED
"	10-16-95	85	" 6311	—	4100' ±	"
			" 3730'		764' ±	

CLEAN OUT @ 10635'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
10-13-95	86 cf	TBG @ 10633'	—	REPORTED	10290'	—	10/16 —	REPORTED
	22 cf	6411		"	6311' ±			
* 10-16-95	49 ~~98~~ cf	TBG @ 4117	—	"	3730'	10X#	10/17 0800	SPM
7"x 03/4 10-17-95	~~54~~ cf 202 SX	" 782		"	30'	VISUAL	10/18 0800	"

TESTED CASING TO 500# OK ↳ Topped off to surface and cut 5' below grade.

OGD10 (11/93/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P295-002

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
January 10, 1995

Your supplementary proposal to abandon well "Newhall Corporation" 1, A.P.I. No. 037-06359, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ---------- area, 10-A pool, Los Angeles County, dated 12/20/94, received 12/19/94, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT requirements specified in permit No. P292-168, dated June 23, 1992 shall apply.

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)

7 7

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

WELL STATUS INQUIRY

D. J. Cole
DEC 19 1994
NGPA Permits

Ventura, California

December 16, 1994

EXXON Corporation
Attn: Evn. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

OGD 121

In a notice dated June 16, , 1992, you propose to Abandon
well "Newhall Corporation" 1 (037-06359)
Sec. 34 , T. 4N , R. 17W , S.B. B. & M., Castaic Junction Field

Please indicate below, conditions or intentions regarding this proposed work and return the completed form to this office within 10 days.
svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

_____ **PROPOSED 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.*)

_____ **PROPOSED WORK IS IN PROGRESS AND SHOULD BE COMPLETED ABOUT** _____ 19___

__X__ **PROPOSED WORK HAS NOT BEEN DONE, BUT WE STILL INTEND TO DO THE WORK.****

____ **SUPPLEMENTARY NOTICE (Form OG 123) Attached).**

__X__ **PLEASE CONSIDER THIS FORM AS A SUPPLEMENTARY NOTICE.**

_____ **WE DO NOT INTEND TO DO THE PROPOSED WORK. Please cancel our notice to** _____, dated _____ 19___.

__X__ **OTHER:** Current plans are to abandon well in 1995. Field work was deferred during negotiations with landowner/mineral owner, Newhall Land & Farming.

RECEIVED
DEC 27 1994
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Julie H. Mitchell
(Signature)

Julie H. Mitchell
Staff Office Assistant 12/20/94
(Name and Title) (Date)

* Division 3 of the Public Resources Code states in part:
Section 3215...Well records shall be filed 60 days after completion or suspension of proposed work.

** Section 3203...If operations have not commenced within one year or receipt of the notice, the notice will be considered canceled. (To prevent cancellation, file a Supplementary Notice with the division)

ODG3 (modified 9/93)

8 8

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

9

9

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.P292-168
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 Corporation" 1, A.P.I. No. 037-06359, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ------- area, 10-A pool, Los Angeles County, dated 6/16/92, 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 10,899'.
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 10,359 & 650'.
   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

10

10

126
00
65 10-A

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 Corp #1~~ "Newhall Corporation" 1 API No. 037 - ~~16359~~ 06359
(Well designation)

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 10,901'

2. Complete casing record, including plugs and perforations
   10-3/4" 40.5# line pipe 0' - 795'
   7", 23#, 26#, 29#, & 32# casing 0' - 10,640'
   - WSO holes @ 10,559' (squeezed)
   5-1/2" 14# liner 10,614' - 10,899'
   - perfs: 10,630'-10,815' & 10,856'-10,876'

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'
   Base of 10 Sand:

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 744'

The proposed work is as follows:

1. MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out to liner bottom at 10,899'.
3. Place class "G" cement plug (w/40% silica) from 10,359' to 10,899'. D.O.G. to witness placement and tag.
4. Place 9.62 ppg mud from TOC to 750'.
5. Shoot 20', 4 spf strip shot at 750'. Squeeze class "G" cement plug (w/$CaCl_2$) from 750' 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, (City) CA (State) 91360 (Zip)

Telephone Number 805-494-2000

Exxon Company, USA (Name of Operator)

By R. W. Romeze (Name-Printed)

R W Romeze (Name-Signature) 6/16/92 (Date)

Type of Organization Corporation

ABD.DOG

11 11

NAME CHANGE: FROM: HUMBLE OIL & REFINING COMPANY

TO: EXXON CORPORATION 1/1/73

SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

RECEIVED
OCT 1 1951
LOS ANGELES

Operator HUMBLE OIL & REFINING COMPANY Field Castaic Junction

Well No. Newhall Corporation #1 Sec. 24, T. 4 N, R. 17 W, S. B. B. & M.

Location 448' S. 50° 27'8" E. & 467' S. 35° 32'52" W. from the most northerly Corner Pico Project #1, Rancho San Francisco, Los Angeles County, California

Elevation above sea level 1,380 feet.

All depth measurements taken from top of Kelly Bushing, which is 12.35 feet above ground.

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 September 24, 1951

Signed John S. Bell

Title District Superintendent (President, Secretary or Agent)

H. C. Balcom (Engineer or Geologist)

(Superintendent)

Commenced drilling June 8, 1951 Completed drilling August 29, 1951 Drilling tools ~~Cable~~ Rotary

Total depth 10,901' Plugged depth

Junk None

GEOLOGICAL MARKERS	DEPTH
Delmontian	8,433'
Mohnian	10,509'

Commenced producing 8/27/51 (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	455	18.5	None	198	700#	
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 Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
0-3/4	753.70	12.35	42#	2nd Hand	LW	Linepipe	16"	575	--
7	10639.65	12.35	26,29,32, 23	New	Seamless	N-80	9-7/8"	465	--

PERFORATIONS

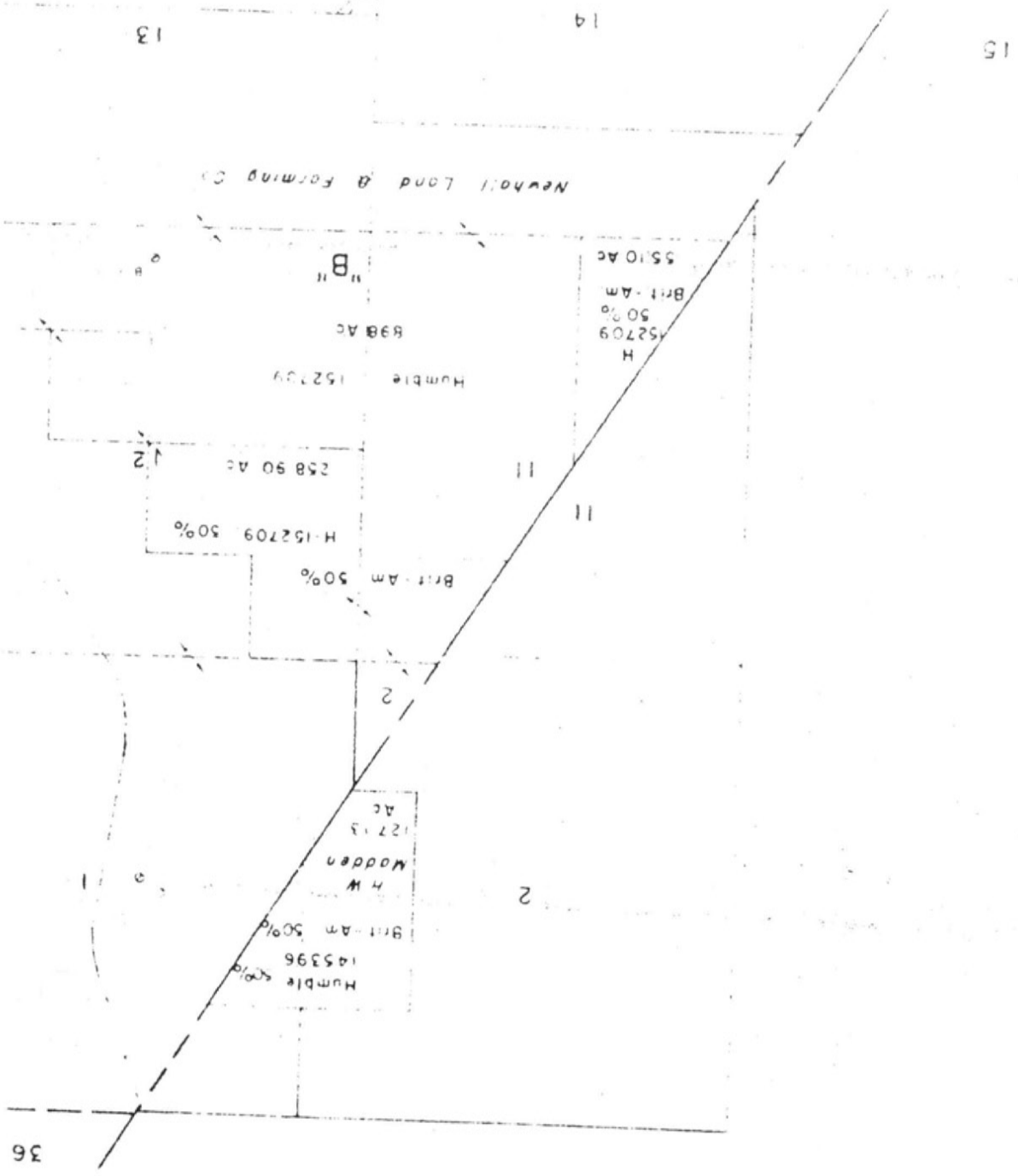
Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
7	10560 ft.	10559 ft.	4 - 1/2" shots for water shut off			Lane Wells cone type
5- Liner	10876 ft.	10856 ft.	192 - 1/4" holes/ft.			Perforated in shop
	ft.	ft.				
5-1/2 Liner	10815 ft. / 10899' ft.	10640 ft. / 10615' ft.	192 - 1/4" holes/ft.			Perforated in shop

Electrical Log Depths 1,004, 9,900, 10,900. (Attach Copy of Log)

13 13

NAME CHANGE: FROM: HUMBLE OIL & REFINING COMPANY

TO: EXXON CORPORATION 1/1/73



FORM 159 (9-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Los Angeles 15, California, March 27, 19 52

Mr John S Bell, Agent
Humble Oil & Refining Company
612 South Flower Street
Los Angeles 17 California

JFM

Dear Sir

Your report of abandonment of Well No. "Newhall Corporation" 2, Sec. 24, T. 4 N, R. 17 W, S B B. & M., Castaic Junction oil field, Los Angeles County, dated March 12, 1952, 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 BOOK	CARDS	BOND	FORMS 114	FORMS 121
18			Bl. 65		EB

Yours truly

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Meussen
Deputy Supervisor

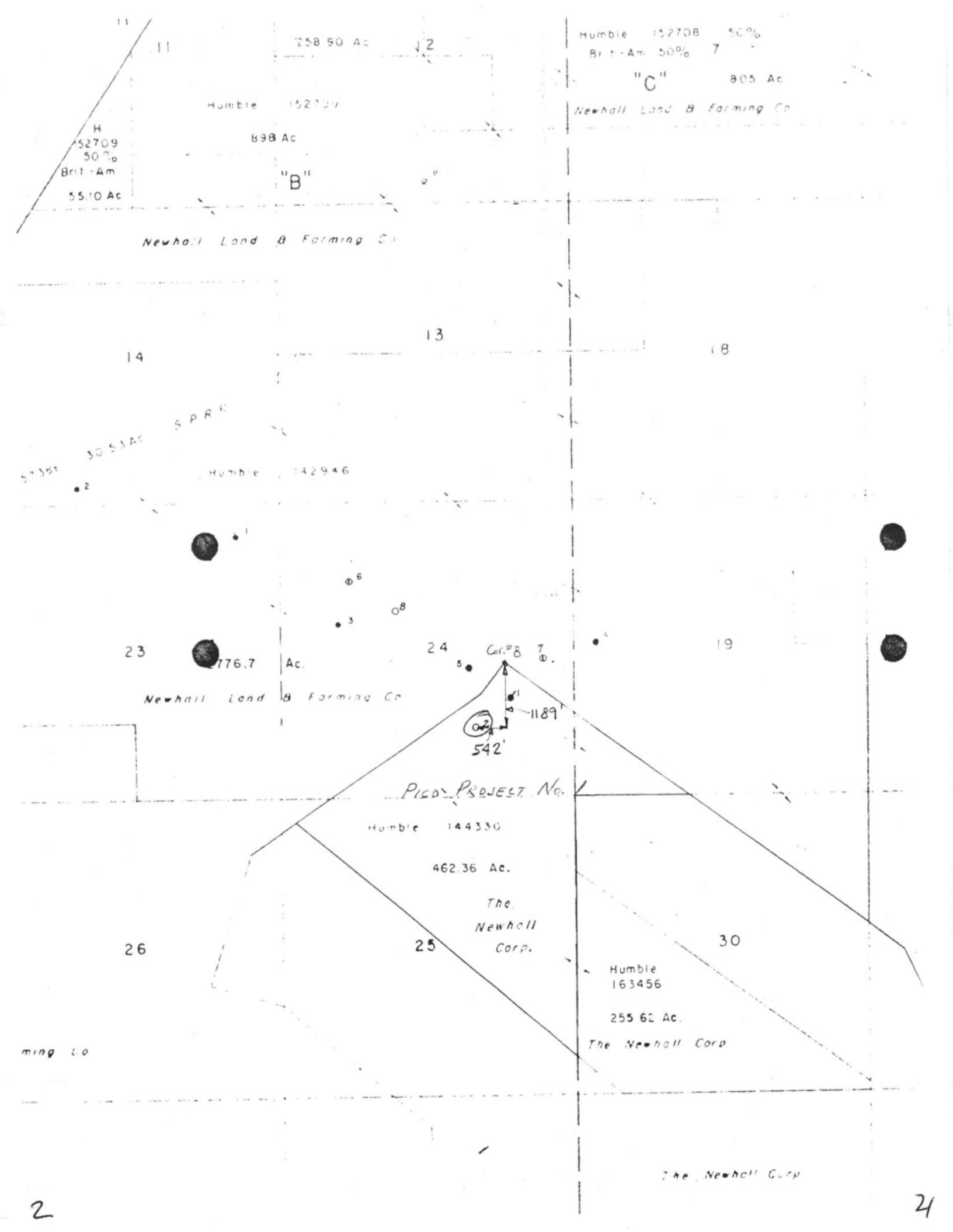
cc Mr R D Bush
Company (2)
Mr C J Thrapp
Mr H R Boone

es

15414 9-49 7500 SPO

4

1



11
11
258.90 Ac
12
Humble 152708 50%
Brit-Am 50% 7
"C"
805 Ac
Newhall Land & Farming Co
Humble 152709
898 Ac
H
152709
50%
Brit-Am
55.10 Ac
"B"
Newhall Land & Farming Co
13
14
18
S P R R
30.53 Ac
Humble 142946
23
776.7 Ac.
24
Cor. #8
19
Newhall Land & Farming Co
1189'
542'
PICO PROJECT No. 1
Humble 144330
462.36 Ac.
The Newhall Corp.
26
25
30
Humble
163456
255.62 Ac.
The Newhall Corp
ming Co
The Newhall Corp

2

4

—NOTE—

DO NOT REMOVED TO THIS PAGE

MAINTAIN IN PRESENT SEQUENCE

V 10

FORM 100
CALIFORNIA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE

FILL THE BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

RECEIVED
MAR 20 1952
LOS ANGELES

WELL SUMMARY REPORT

Operator HUMBLE OIL & REFINING COMPANY Field CASTAIC JUNCTION

Well No. Newhall Corporation #2 Sec. 24, T. 4 N, R. 17 W, S.B. B. & M.

Location 1189' S and 542' W of corner 8, Pico Project #1, Rancho San Francisco, Los Angeles County, California

Elevation above sea level 1367' feet.

All depth measurements taken from top of Kelly Bushing, which is 11.8 feet above ground.

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 3-12-52

Signed

Rex M. Smith (Engineer or Geologist)

(Superintendent)

Title Asst. District Supt. (President, Secretary or Agent)

Commenced drilling 11/2/51 Completed drilling 1/21/52 Drilling tools ~~Cable~~ Rotary

Total depth 12,634 Plugged depth -

Junk None

GEOLOGICAL MARKERS	DEPTH
Top Delmontian	9200
Top Mohnian	10693

Commenced producing Dry Hole (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	None					
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 Drilled	Number of Sacks of Cement	Depth of Cemen if through perfora
10-3/4	792.52	13.05	40.5#	New	SS	J-55	16"	600	—

Perforations

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

5 Electrical Log Depths 933, 10293, 10818, 11591, 11938, 12634 (Attach Copy of Log) 8

HUMBLE OIL & REFINING COMPANY CASTAIC JUNCTION

RECEIVED
MAR 20 1952
LOS ANGELES

Newhall Corporation #2 S 24 T 4 N R 17 W S.B.B.&M.

March 12, 1952

L. H. Byrd
Asst. District Supt.

Well drilled with extra heavy power land based rotary rig and conventional derrick.

10/8/51		Location made.
10/9 to 10/23		Building road, preparing location and erecting derrick.
10/24 to 11/1		Rigging up.
11/2	875'	Spudded 12-1/4" hole at 2:00 A.M.
11/3	933	Drilled to 933' and opened 12-1/4" hole to 16" from 0 to 933'. Ran electric log to 933'.
11/4	933	Ran and set 779.47' of 10-3/4" J-55 casing. Casing set at 792.52' using 600 sacks Portland cement and 3 centralizers spaced at 777', 747', and 717'. Cement in place at 5:30 A.M.
11/5	1551	Drilled out float collar, guide shoe at 12:30 P.M. Tested casing and blowout preventer, OK with 1000# pressure 15 minutes. Drilled 9-7/8" hole from 933' to 1551'.
11/6 to 12/3	10271	Drilling. Drill pipe stuck while drilling at 9039' on 11/26. Spotted 30 bbls. oil around pipe and worked free.
12/4	10302	Ran electric log at 10,293'. Made unsuccessful attempt to recover cone off bit with junk basket. Drilled by junk with 9-3/8" bit from 10,293' to 10,295'. Opened 9-3/8" hole to 9-7/8" and drilled to 10,302'.
12/5 to 12/11	10818	Drilling.
12/12	10841	Ran electric log and dipmeter to 10,818'. Took 7 sidewall samples from 8124' to 8185'. Drilled 9-7/8" hole to 10,841'.
12/13	10887	Drilling.

RECEIVED
LOS ANGELES

12/14	10954	Drilled to 10,940' and cored from 10,940' to 10,954' with 6-1/2" diamondhead and wire line equipment.
12/15 to 12/18	11057	Coring.
12/19	11057	Opened 6-1/2" hole to 9-7/8" from 10,940' to 11,020'.
12/20	11059	Ran drill stem test of interval 11,034' to 11,057' using 1/4" bottom and 1" top chokes, 3000' water cushion. Tool open 90 minutes, closed 30 minutes. Good steady blow throughout test. Recovered 6600.5' salt water, 3000' water cushion and 280' rat hole mud. Pressures - initial mud 6400#, final mud 0, minimum flowing 3025#, maximum flowing 4455#, formation pressure 5035#. Opened 6-1/2" hole to 9-7/8" from 11,020' to 11,057' and drilled 11,059'.
12/21 & 12/22	11112	Coring with 6-1/2" diamond head and wire line equipment.
12/23	11148	Opened 6-1/2" hole to 9-7/8" from 11,059' to 11,112' and drilled to 11,148'.
12/24 to 1/2/52	11863	Drilling. Stuck pipe while drilling at 11,241' on 12/26/51. Spotted 30 bbls. oil and worked pipe loose. Ran electric log to 11,591' on 12/30/51.
1/3	11868	Cored with 7-5/8" wire line equipment from 11,863' to 11,868'.
1/4	11887	Coring.
1/5	11926	Cored 11,909'. Opened 7-5/8" hole to 9-7/8" from 11,863' to 11,909' and drilled to 11,926'.
1/6	11976	Drilled to 11,976. Ran electric log to 11,938'.
1/7 to 1/9	12156	Drilling.
1/10	12191	Cored with 7-5/8" wire line equipment from 12,156' to 12,191'.
1/11	12191	Ran drill stem test to test interval from 12,178' to 12,191'. Gas supply failed. Pulled tester.
1/12	12193	Re-ran tester. Packer failed. Pulled tester drilled. Drilled 9-7/8" hole to 12,193'.

RECEIVED
JAN 1952
LOS ANGELES

1/13	12210	Ran drill stem test to test interval from 12,181' to 12193'. Used 1" top and 1/4" bottom chokes and 3500' water cushion. Tool open 10 minutes. Packer failed. Light blow at surface. Reccvered 543' rat hole mud. Pressures - initial mud 6930#, final mud 6980#, minimum flowing 1700#, maximum flowing 1725#, no shut in pressure. Ran 7-5/8" wire line core head. Drilled 2' with center bit to 12,195' and cored from 12,195' to 12,210'.
1/14	12269	Cored to 12,215 and opened 7-5/8" hole to 9-7/8" from 12,193' to 12,215' and drilled to 12,269'.
1/15 to 1/18	12541	Drilling.
1/19	12541	Cored with 7-5/8" wire line equipment from 12,486' to 12,511'. Opened core hole to 9-7/8" and drilled to 12,541'.
1/20	12590	Drilling.
1/21	12634	Drilled to 12,616' and cored with 7-5/8" wire line equipment from 12,616' to 12,634'.
1/22	12634TD	Ran electric log and dipmeter to total depth. Swung drill pipe at 5450' and filled hole with mud from 12,634' to 5450'. Placed cement plug with 125 sacks construction cement from 5450' to 5225'.
1/23	12634TD	Swung open head drill pipe at 892' and filled hole with mud from 5225' to 892'. Placed cement plug with 125 sacks construction cement from 892' to 718'. Location and hardness of plug witnessed and approved by a representative of the Division of Oil & Gas.
1/21	12634TD	Removed blowout preventers and filled hole with mud from 718' to 27'. Placed plug in top of 10-3/4" casing from 27' to 17' with 10 sacks cement. Welded steel plate to top of 10-3/4" casing. Released rig at 2:30 A.M. Well dry and abandoned.

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 152-153

Los Angeles 15, Calif. February 4, 19 52

Mr John S Bell
612 South Flower Street
LOS ANGELES 17, Calif.
Agent for HUMBLE OIL & REFINING COMPANY

DEAR SIR: "Newhall Corporation"

Operations at your well No. 2, Sec. 24, T. 4 N, R. 17 W, S B B. & M., Castaic Junction Field, in Los Angeles County, were witnessed by N. N. Sampson, Inspector, representative of the supervisor, on January 23, 19 52. There was also present G. D. Thompson, Engineer; J. Ortega, Drilling Foreman.

Casing Record 10-3/4" cem. 792'; T.D. 12634'; plugged with cement 5450'-5225'±, and 892'-718'.

Junk None

The operations were performed for the purpose of witnessing the plugging operations in the process of abandonment.

The inspector arrived at the well at xxxx and Mr. xxxxx reported:

INSPECTOR V. F. GAEDE VISITED THE WELL FROM 7:00 - 9:40 P. M., JANUARY 22, 1952, AND MR. Wm. MORRIS, DRILLING SUPERINTENDENT, REPORTED:

1. A 9-7/8" rotary hole was drilled from 792' to 12634'.
2. The 4-1/2" drill pipe was hanging at 5450' preparatory to cementing.

THE INSPECTOR NOTED THAT 125 sacks of cement was pumped into the hole and equalized through the 4-1/2" drill pipe, calculated to fill to 5225'±.

THE INSPECTOR ARRIVED AT THE WELL AT 4:00 P. M. AND MR. THOMPSON REPORTED: On January 23, 1952, 125 sacks of cement was pumped into the hole through drill pipe hanging at 892'.

THE INSPECTOR NOTED THAT the cement plug at the reported depth of 718' supported all of the weight of the drill pipe.

The test was completed at 4:50 p.m.

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

NNS:OH

cc Company (2)

R. D. BUSH
State Oil and Gas Supervisor
By E. H. Meesser Deputy

44226 5-51 14,250 ② SPO

16

2

FORM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 152-122

Los Angeles 15, Calif. January 25, 19 52

Mr. John S Bell
612 S Flower St
Los Angeles 17, Calif.

Agent for HUMBLE OIL & REFINING COMPANY

Dear Sir:

Your abandon proposal to "Newhall Corporation" Well No. 2,

Section 24, T. 4 N, R. 17 W S B, B. & M., Castaic Junction Field, Los Angeles County,

dated Jan 22 19 52, received Jan 23 19 52, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The present condition of the well is as follows:

1. Total depth.
   12,634 feet
2. Complete casing record.
   779.47 feet of 10-3/4 inch 40.5# J-55 seamless steel casing set at 792.52 feet and cemented with 600 sacks cement.
   Dry hole. Well drilled to 12,634 feet without encountering commerical show of oil or gas."
3. Last produced.

PROPOSAL:

"The proposed work is as follows:

1. Fill hole with heavy mud laden fluid 12,634 to 5,450 feet.
2. Place cement plug with 125 sacks 5,450 to 5,225 feet.
3. Fill hole with heavy mud laden fluid 5,225 to 892 feet.
4. Place cement plug with 125 sacks 892 to 692 feet.
5. Fill casing with heavy mud laden fluid 692 to 30 feet.
6. Remove well head and blowout preventer.
7. Place cement plug 30 to 17 feet with 10 sacks.
8. Weld steel plate with valve on top 10-3/4 inch casing and abandon well in that condition."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT THIS DIVISION SHALL BE NOTIFIED TO WITNESS

1. The placing of the proposed cement plug from 5450' to 5225'.
2. The location and hardness of cement plugs at 692' and 17'.

Surface plug waived 1-25-52
Morse called and reported dumping 15 sx at 15' below surface and filling to 5' below surface. welded steel cap on 10 3/4
mms

ERMA:ES

cc Company (2)

Blanket bond.

R. D. BUSH
State Oil and Gas Supervisor

By [signature] Deputy

17

53076 11-51 25,500 SPO

3

FORM 108. 36141 11-50 15M ⓢ BPO

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
JAN 23 1952
LOS ANGELES

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

Los Angeles Calif. January 22, 1952

DIVISION OF OIL AND GAS

Los Angeles, Calif.

In compliance with Secs. 3228, 3229, 3230, 3231 and 3232, Ch. 93, Stat. 1939, notice is hereby given that it is our intention to abandon well No. Newhall Corporation #2

Sec. 24, T. 4 N, R. 17 W, S. B. B. & M. Castaic Junction Field, Los Angeles County, commencing work on the 22nd day of January, 1952.

The present condition of the well is as follows:

1. Total depth.
   12,634 feet
2. Complete casing record.

   779.47 feet of 10-3/4 inch 40.5# J-55 seamless steel casing set at 792.52 feet and cemented with 600 sacks cement.

3. Last produced. Dry hole. Well drilled to 12,634 feet without encountering commercial show of oil or gas.

Date	Net oil	Gravity	Cut

The proposed work is as follows:

1. Fill hole with heavy mud laden fluid 12,634 to 5,450 feet.
2. Place cement plug with 125 sacks 5,450 to 5,225 feet.
3. Fill hole with heavy mud laden fluid 5,225 to 892 feet.
4. Place cement plug with 125 sacks 892 to 692 feet.
5. Fill casing with heavy mud laden fluid 692 to 30 feet.
6. Remove well head and blowout preventer.
7. Place cement plug 30 to 17 feet with 10 sacks.
8. Weld steel plate with valve on top 10-3/4 inch casing and abandon well in that condition.

Abandon

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
		EB	Blanket	EB	EB

JAP/vm

HUMBLE OIL & REFINING COMPANY
(Name of Operator)

By John S. Bell, District Supt.

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

8

4

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-53742

Los Angeles 15
Calif. November 15 1951

Mr John S Bell
~~Mrx~~ 612 South Flower Street
LOS ANGELES 17 Calif.
Agent for HUMBLE OIL & REFINING COMPANY

121

DEAR SIR:

Operations at your well No. "Newhall Corporation" 2 Sec. 24, T. 4 N, R. 17 W, S B B. & M., Castaic Junction Field, in Los Angeles County, were witnessed by N. N. Sampson, Inspector, representative of the supervisor, on November 5, 1951. There was also present J. Ortega, Drilling Foreman; W. J. Hayes, Driller.

Casing Record	Junk
10-3/4" cem. 792'. T.D. 1113'.	None

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 2:00 p.m. and Mr. Ortega reported:

1. A 16" rotary hole was drilled from the surface to 792'.
2. On November 4, 1951, 10-3/4", 40.5 lb. casing was cemented at 792' with 600 sacks of ce
3. Cement returned to the surface.
4. A 9-7/8" rotary hole was drilled from 792' to 1113'.

THE INSPECTOR NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole, and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 2" mud fill-up line with a 2" high pressure stopcock into the 10-3/4" casing below th above equipment.

The inspection was completed at 2:20 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

NNS:OH

cc Company (2)

RW

R. D. BUSH
State Oil and Gas Supervisor
By E. H. Meussen Deputy

44226 5-51 14,250 ② SPO

19

5

FORM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

D

No. P 1-50692

Los Angeles 15 Calif. October 18 19 51

MR. John S. Bell
612 South Flower Street
LOS ANGELES 17 Calif.

Agent for HUMBLE OIL & REFINING COMPANY

DEAR SIR:

Your proposal to drill Well No. "Newhall Corporation" 2

Section 24, T. 4 N, R. 17 W, S B B. & M., Castaic Junction Field, Los Angeles County,

dated Oct. 12 19 51, received Oct. 15 19 51, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES

"Location of Well:
1189 feet South and 542 feet West of Corner 8, Pico Project #1, Rancho San Francisco, Los Angeles County, California.
Elevation of ground above sea level 1367 feet.
All depth measurements taken from top of Kelly bushing which is 11 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	700	Cemented to surface
7	26, 29, 32, 35	N-80	0	11000	Cemented 11000 to 900(feet

Intended zone or zones of completion:

Name	Perforated Interval
Zone 10 of Mohian	11000 to 11200 feet

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. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed and approved by this division.
2. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.
3. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 1500'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

ERMA:OH

cc Company (2)

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

20

43268 4-51 25M SPO

6

FORM 105

037-16471

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

15

DIVISION OF OIL & GAS
RECEIVED
OCT 15 1951
LOS ANGELES

Los Angeles Calif. October 12, 19 51

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 drilling well No. "Newhall Corporation" #2, Sec. 24, T. 4 N, R. 17 W, S. B. B. & M., Castaic Junction Field, Los Angeles County.

Legal description of lease See attached sketch
(Attach map or plat to scale)

(approx 1400' N 400' W S.E. Cor Sec)

Location of Well: 1189 feet South and 542 feet West of Corner 8, Pico Project #1,
(Give exact footage from section corners or other legal subdivision or streets)
Rancho San Francisco, Los Angeles County, California.

Elevation of ground above sea level 1367 feet.

All depth measurements taken from top of Kelly bushing which is 11 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	700	Cemented to surface
7	26, 29, 32, 35	N-80	0	11000	Cemented 11000 to 9000 feet

Intended zone or zones of completion:

NAME	PERFORATED INTERVAL
Zone 10 of Mohnian	11000 to 11200 feet

Orig + 2 cc - Humble La

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
NA	R.W.B.	EB	Blanket	EB	EB

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 6-7701

HUMBLE OIL & REFINING COMPANY
(Name of Operator)

By John S. Bell
John S. Bell, District Supt.

SEND ONE COPY OF NOTICE TO DIVISION OFFICE IN DISTRICT WHERE WELL IS LOCATED

21

7

OPERATOR EXXON
LSE & NO Newhall Corp B 1
MAP 253

	(1)	(2)	(3)	( )	( )	( )
INTENTION	DRILL	REWORK	CONV TO W.F.	abd		
NOTICE DATED	10-18-54	IP-2558	4-7-67	12-19-87		
P-REPORT NUMBER	154-1261	158-828	167-469	282-464		
CHECKED BY/DATE						
MAP LETTER DATED		N/C	N/C	pmc 12/13/88		
SYMBOL	⊗		①	⊗		

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	10-19-54		11-26-58		4-5-67		12-23-87					
HISTORY	12-21-55 4-23-55		11-14-58				11/3/88					
SUMMARY	12-21-55 4-23-55											
IES/ELECTRIC LOG												
DIRECTIONAL SURV	NO DATE											
CORE/SWS DESCRIP												
OTHER												
RECORDS COMPLETE	①		①				pmc					

CANCELLED

ENGINEERING CHECK

P-REPORTS	
OPERATOR'S NAME	
WELL DESIGNATION	
LOC & ELEV	
SIGNATURE	
SURFACE INSPECTION	SM 2-3-88
FINAL LETTER OK	

CLERICAL CHECK

POSTED TO 121 _____ 170 _____

MAILED _____ FINAL LETTER MAILED _____

RELEASED BOND _____

REMARKS: SURFACE INSP. OK. 2-3-88 S. MULQUEEN

1 1

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California

November 10, 1988

C. G. Lyons, Agent
EXXON CORPORATION
P.O. Box 5025
Thousand Oaks, CA 91359

Your report of abandonment of well "Newhall Corporation" 3
(Name and number)
037
A.P.I. No. ~~111~~-06298, Section 24, T. 4N, R. 17W, S.B. B. & M.,
Castaic Junction field, Los Angeles County,
dated November 2, 1988, received November 3, 1988, 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 BOOK	CARDS	BOND	EDP	FORMS 114	FORMS 121
253	KMC 12/3/88			✓		✓

M. G. MEFFERD
State Oil and Gas Supervisor

By Patrick J. Kinnear
Deputy Supervisor

Patrick J. Kinnear

ljg
Conns.Comm.

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

ORIGINAL

DIVISION OF OIL AND GAS
RECEIVED
NOV - 3 1988
VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles
Well Newhall Land & Farming 3, Sec. 24, T 4N, R 17W, S.B.B. & M.
A.P.I. No. 04-037-06298 Name Myron E. Fedak (Person submitting report) Title Supervisor (President, Secretary or Agent)
Date NOV. 2, 19 88

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	
1-14-88	Moved in and rigged up. Buried 4 marsh anchors. Bled well down, oil flowing in cellar. Rigged to flow well into vacuum truck. Rigged casing through header with 1400 psi. Bled well down to vacuum truck, recovering 75 barrels. Rigged pump to tubing and pumped 25 barrels lease water down tubing. Pressured up and bled well down. Closed in well.
15-88	Serviced rig. Bled well down, 480 psi on casing and 400 psi on tubing. Rigged pump and pumped lease water down tubing and casing returns to tank. Removed Wilis beam from production tree. Flanged up line diverter to top of master valve. Pumped 250 barrels lease water down tubing, with 250 barrels oil returned from casing. Well dead. Unflanged head, found tubing hung on flange; no lifter. Closed in well.
1-16-88 through 1-17-88	No well work.
1-18-88	Serviced equipment. No pressure on well. Rigged and circulated well free of gas. Removed head and unlanded tubing. Removed landing flange and stripped on BOP. Rigged up and tested BOP at 1500 psi, OK. Worked Guiberson L-30 packer loose. Rigged floor, pulled and measured tubing. Broke out gas valves, found rubber gone from packer. Ran tubing open ended. Closed in well.

ORIGINAL

9-88 Serviced equipment. Finished running tubing. Measured and picked up 7 joints 2-3/8" tubing. Tagged fill at 11,064', no fill. Rigged and backscuttled well clean from 11,037'. Rigged up B. J. Hughes cementers. Mixed and pumped 39 sacks cement. Plugged on bottom from 11,064' to 10,750'. Pulled 16 doubles. Rigged and backscuttled tubing clear from 10,000' to 0'. Rigged and cleaned shaker tank with vacuum trucks to clean cellar. Closed in well.

1-21-88 Serviced equipment. Pulled and laid down 6 singles, stood back and measured 13 doubles. Filled casing with mud. Rigged Tiger wireline and shot hole at 780'. Rigged up B. J. Hughes cementers and squeezed away 83 sacks neat cement. Closed in well.

1-22-88 Serviced equipment. Rigged, ran 11 doubles of 2-3/8" tubing and tagged cement at 630'. Fell through bridge and stopped at 707'; OK. Pulled and laid down 24 singles 2-3/8" EU 8rd tubing. Rigged Tiger wireline and shot holes at 100'. Rigged up B. J. Hughes and cemented well from 100' to surface. Rigged down B. J. Hughes and loaded out tools. R. Wilkes of the Division of Oil and Gas witnessed and approved all cement plugs. Rigged down and moved off.

4

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 288-20

DIVISION OF OIL AND GAS

Report on Operations

C. C. Lyons, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

Ventura, Calif.
Jan. 26, 1988

Your operations at well "Newhall Corporation" 3, API No. 037-06298, Sec. 24, T. 4N, R. 17W, SB B.& M. Castaic Junction Field, in Los Angeles County, were witnessed on 1/22/88. Bill Winkler, representative of the supervisor, was present from 0700 to 1100. There were also present Marion Blair

Present condition of well: 10 3/4" cem 767'; 5 1/2" cem 11,109', cp 9586', perf 10850' WSO, perf 10933-11025'. TD 11250', plugged w/cem 11050-10698', 780-705' and 100' to 5' including 10 3/4" X 5 1/2" Annulus, Fr 760-±650' and 100' to 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

5 OG109 (3/83/GSR1/15M)

5

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 287-464

126 (field code)
00 (area code)
05 (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
December 28, 1987

Your proposal to abandon well "Newhall Corporation" 3,
A.P.I. No. 037-06298, Section 24, T. 4N, R. 17W S.B. B. & M.,
Castaic Junction field, any area, Zone 10 pool,
Los Angeles County, dated 12/19/87, received 12/23/87 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. 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.
4. 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.
5. THIS DIVISION SHALL BE NOTIFIED:
   a. TO WITNESS the location and hardness of the cement plug at 10750' or above.
   b. TO WITNESS the location and hardness of the cement plug at 680'±.
   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 WITNESS the placing of the surface plug or to verify its location.

NOTE: SAND CONCENTRATIONS IN SAND-CEMENT SLURRIES SHOULD NOT EXCEED 20 PERCENT, BY WEIGHT, OF CEMENT. THE USE OF AGGREGATE OR CONCRETE SLURRIES WILL NOT BE APPROVED.

SURFACE INSP. OK 2-3-88 S. MULQUEEN

MS:ljg

Engineer Michael Stettner

Phone (805) 654-4761

M. G. MEEFERD, State Oil and Gas Supervisor

By Patrick J. Kenny
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.

6 6

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
DEC 23 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	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 Corp. #3, API No. 04-037-06298, Sec. 24, T. 4N, R. 17W, ____ B. & M., Castaic Junction Field, Los Angeles County, commencing work on _____, 19____.

The present condition of the well is:

1. Total depth: 11250'

2. Complete casing record, including plugs and perforations:

10-3/4", 40.5 ppf csg at 767'
5-1/2", 15.5 & 17 ppf csg at 11,109'
WSO squeezed at 10,850'
Cement plug from 11064'-11,250'
Cement squeezed perf at 9585'-9586'

3. Last produced 12/61 (Date) 3 (Oil, B/D) 0 (Gas, Mcf/D) 18 (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 BOP's. Test same.
3. Attempt to pull packer and tubing out of the well.
   A. If successful, clean out well to 11,064'. Spot a balanced cement plug from 10,720' to 11,064'.
   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 5-1/2" casing at 780' +/-.
7. Spot a balanced cement plug from 600' to 780' +/-. 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.

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) 12/19/87 (Date)
Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

OG108 (8-75—GSRI—15M)

7 7

OPERATOR EXXON

FIELD Castaic Junction

WELL # Newhall Corporation "3"

10 3/4" cem 767'

cp 9586' sq 50 sx

calc TOC 9855

perfs 10850-51' WSO

perfs 10933'-11025'

5 1/2" cem 11,109'

BFW ≅ 400'

FORM 157

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Santa Paula, California

March 20, 1979

Mr. E. C. Hutchinson, Agent
Exxon Corporation
P. O. Box 7033
Long Beach, CA 90807

DEAR SIR:

Your request from Mr. Ralph Primerano dated March 9, 1979, relative to change in designation of well(s) in Sec. 24, T. 4N, R. 17W, S. B. B. & M., Castaic Junction field, Los Angeles County, District No. 2, has been received;

and in accordance with Section 3203, Public Resources Code, reading in part as follows:

> "• • • The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor."

the proposed change in designation is hereby authorized as follows:

FROM:	TO:
"Newhall Corporation B" 1 (037-06298)	"Newhall Corporation" 3 (037-06298)

M. G. MEFFERD
~~JOHN F. MATTHEWS, JR.~~
State Oil and Gas Supervisor

By John L. Hardoin, *Deputy Supervisor*

9

59810-705 1-72 5M ⓘ OSP

9

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

REPORT OF CORRECTION OR CANCELLATION

Santa Paula, California

June 15, 1978

Mr. J. H. Steele, Agent
Exxon Corporation
P. O. Box 7033
Long Beach, CA 90807

In accordance with telephone request of 5/31/78

the following change pertaining to your well "Newhall Corporation B" 1,
(037-06298) Castaic Junction field, Los Angeles County,
Sec. 24, T. 4N, R. 17W, S.B. B. & M., is being made in our records:

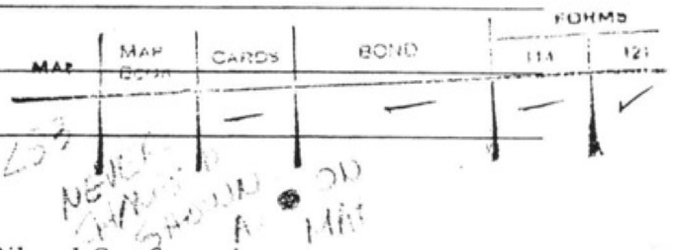
☐ The corrected location is

☐ The corrected elevation is

☐ Report No. , dated , has been corrected as follows:

☒ Your notice to convert to water flood (Drill, abandon, etc.) dated April 7, 1967, and our report No. P 167-469, issued in answer thereto, are hereby cancelled inasmuch as the work will not be done. If you have a drilling bond on file covering this notice it will be returned. No request for such return is necessary.

☐ Other:



State Oil and Gas Supervisor

By John L. Hardoin, Deputy Supervisor

OG 165 (1-77-GSRI-3M)

NAME CHANGE: FROM: HUMBLE OIL & REFINING COMPANY

TO: EXXON CORPORATION 1/1/73

HUMBLE OIL & REFINING COMPANY

P. O. Box 7033
Long Beach, California 90807

November 13, 1968

DIVISION OF OIL AND GAS
RECEIVED
NOV 14 1968
INGLEWOOD, CALIFORNIA

Re: Well Records
Newhall Corporation "B" 1
Castaic Junction Field

Mr. A. D. Stockton
Division of Oil and Gas
830 North La Brea Avenue
Inglewood, California 90302

Dear Mr. Stockton:

In reply to your Notice of Records Due dated November 6, the above referenced well has not been converted to water injection as of this date. Conversion is being deferred for completion of land negotiations with the lessors.

Yours very truly,

HUMBLE OIL & REFINING COMPANY

B. M. Sullivan

B. M. Sullivan
District Superintendent

OWP:wb

FORM 170

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

NOTICE OF RECORDS DUE

830 N. La Brea
Inglewood, - Calif.

November 6, 1968

FOLLOW-UP
12-6-68
2-6-69
6-6-69
6-6-70
6-6-71
6-6-72

MR. B. M. Sullivan, Agent
Humble Oil & Ref. Co.
P. O. Box 7033
Long Beach, Calif.

Dear Sir:

In accordance with Division 3 of the Public Resources Code of California the following records are due, covering the convert to water flood (your notice dated 4-7-67) of your well (~~X~~) No. "Newhall Corporation B" 1

Sec. 24, Tp. 4N, R. 17W, S B B. & M., Castaic Junction
(Field or County)

- ☐ Well summary (Form 100)
- ☐ Drillers log (Form 101) NOTE: Not required if electric log is filed.
- ☐ Core record (Form 101)
- ☒ History (Form 103)
- ☐ Electric log: One copy each, 1" = 50 ft. and 1" = 100 ft.
- ☐ Production report (Form 110) for months of
- ☐ Other:

These records should be submitted *in duplicate* as soon as possible.

Please be sure that the records are signed in the spaces provided.

ADS:rk
cc B. M. Sullivan

JOHN F. MATTHEWS, JR.
A. D. Stockton *Deputy Supervisor*
A. D. Stockton
Associate Oil & Gas Engineer

24233-705 8-68 5M OSP

13

13

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-_	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co. Address P.O. Box 55060 Valencia, Ca. 91355	Company Telephone No. (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor: Murray W. Dosch

Signature: Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: **Newhall-Potrero** District: **1**

Former Owner: **General Exploration Co. of Calif.** Date: **March 3, 1965**

Description of Property: **Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.**
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10- Sec. 36-4N-17W

Date of Transfer: **January 1, 1965**
New Owner: **SUNRAY DX OIL COMPANY**
Address: **23928 Lyons Avenue, Newhall, Calif.**

Telephone No. **259-2440**

Type of Organization: **Corporation**
Reported by: **General Exploration Co. of Calif. on Dec. 1964 Production Report**
Confirmed by: **Sunray DX Oil Co. in letter dated 3-1-65**
New Operator New Status **PA** , Old Operator New Status **PA**
Request designation of agent **No**

Remarks:

cc E. R. Murray-Aaron
Production Dept.
Conservation Comm.

W. C. Bailey
Deputy Supervisor

	INITIALS	DATE
Form 121	[illegible]	3-3-65
New Well Cards	—	
Well Records	[illegible]	"
Electric Logs	[illegible]	"
Production Reports cc Prod.		
Map and Book 150	E.C.	3-4-65
Form 148	—	
Notice to be cancelled	JLZ	3-9-65
Bond status	—	

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M SPO

All of SUNRAY DX OIL COMPANY wells in field transferred 10-25-68 to SUN OIL COMPANY - DX DIVISION. Form 156, 11-20-68. See ownership file.

E.B. 2-5-65

TRANSFER INFORMATION

GENERAL EXPLORATION COMPANY OF CALIFORNIA--NEWHALL-POTRERO FIELD--December 1964 production report received for wells Ferguson 1, 2, 3, 4, 5, 6, 10, (36-4N-17W) 7, 8, 9, (31-4N-16W) shows the following:

"Property sold to Sunray DX Oil Co., effective 12-31-64."

Wenda

RECEIVED
MAR 2 1965

Sunray DX Oil Company

23928 Lyons Avenue, Newhall, California

District Office -

March 1, 1965

Division of Oil and Gas
830 North La Brea Avenue
Inglewood, California

Re: Change of Operator, Ferguson "A" & "B" Lease,
Los Angeles County, California.

Dear Sirs:

This is to inform you that Sunray DX Oil Company has purchased the Ferguson "A"&"B" Lease, located Section 31, T.4N, R.16W, and Section 36, T.4N, R.17W, S.B.B.&M. Survey, Los Angeles County, California; assuming all operations and 100% working interest as of January 1, 1965. This property was formerly operated by General Exploration Company of California.

All future correspondence relative to this lease should be directed to this office.

Yours very truly,

SUNRAY DX OIL COMPANY

H. D. Ferguson

H. D. Ferguson, Agent
District Engineer

HDF:sg

COPY

DIVISION OF OIL & GAS
RECEIVED
MAR 2 - 1943
LOS ANGELES, CALIFORNIA

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

417 South Hill Street

Division of Oil and Gas
629 South Hill Street
Los Angeles, California

AttentioN: Mr. E. H. Musser
Re: Change in ownership

Gentlemen:

Through a statutory merger with Hilldon Oil Company, General Exploration Company of California has succeeded to all property rights, operating rights and other interests of Hilldon Oil Company and has assumed all of its obligations.

This new corporation will carry on the development and producing operations of the Newhall-Potrero Lease under an operating agreement with C. G. Willis, and will succeed said C. G. Willis as operator of that lease. General Exploration Company of California will, likewise, succeed Hilldon Oil Company in the development and operation of the Amelia M. E. Bixby Company (Amebco), Flood Control, Dominguez-Carson, and Pacific Electric (Pool) leases in the Northwest Long Beach Oil Field. Designation of all Hilldon wells should be changed, therefore, to General Exploration Company of California. No. Ferguson 1 at Newhall-Potrero, however, will continue to be known as C. G. Willis, No. Ferguson 1.

2/43
W. Ash by
none stated
G. Willis has ½ interest
this well but Gen Expl.
will operate & file reports
leave well in name of
Gen Expl. Co. Ekwia

All correspondence and notices should be addressed to

General Exploration Company of California
1135 Subway Terminal Building
417 South Hill Street
Los Angeles, California

Yours very truly,

General Exploration Company
of California

(Signed) J. W. Ash

J. W. Ash,
Executive Vice-President

File with Gen Expl "Ferguson" 1
GS

cc: Mr. R;D. Bush
State Oil and Gas Supervisor
Ferry Building
San Francisco, California

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DIVISION OF OIL AND GAS
629 South Hill Street,
Los Angeles, California

February 17, 1943

Mr. R. D. Bush,
State Oil and Gas Supervisor,
San Francisco, Calif.

Dear Sir:

On January 1, 1943, C. G. Willis well No. "Ferguson" 1, Sec. 36, T. 4 N., R. 17 W., S. B. B. & M., Newhall-Potrero field, was transferred to General Exploration Company of California. This information is contained in letter dated February 12, 1943, from Mr. J. W. Ash, representing both operators. We are changing our records accordingly.

Request for designation of new agent should be addressed to General Exploration Company of California at 417 South Hill Street, Los Angeles.

Yours truly,

Deputy Supervisor.

ERMA:G

cc- M. C

Corrections Made as Follows	By Whom
Weekly Summaries	
121 ✓	Emb
Elev. and Loc. Cards	
Production Reports ✓	
Well Records: Folders ✓	
Well Records: Reports	
Fed Models	
Graphics	
Field Maps ✓	18a JLW.

Book
2-18-43
JLW.

28

GENERAL EXPLORATION COMPANY
OF CALIFORNIA
417 SOUTH HILL STREET
LOS ANGELES, CALIFORNIA
MUtual 2156

RECEIVED
FEB 13 1943
LOS ANGELES, CALIFORNIA

February 12 1943

Division of Oil & Gas
629 South Hill Street
Los Angeles, California

Re: Well No. Ferguson 1 -
Change in ownership and
Corrected Location Notice

Gentlemen:

The correct location of Well No. Ferguson 1 is:

From North end of Easternmost line
of Lot 10, Section 36, Township 4 N,
Range 17 W, S. B. B. & M, 2367'
Southerly along said line and 314'
easterly at right angles thereto.

This well was formerly known as C. G. Willis "Well No. Ferguson 1", however a change in ownership became effective as of January 1, 1943, and this well should now be carried on your records as General Exploration Company of California "Well No. Ferguson 1".

Yours very truly,

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

J. W. Ash, Agent

JWA:GS

- 29

94924-12-40 25M
...IA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE

FILL TH...NK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAP...NLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

RECEIVED
JUN 3 1942
...ANGELES, CALIFORNIA

LOG OF OIL OR GAS WELL

Operator C. G. WILLIS Field Newhall-Potrero

Well No. Ferguson 1 Sec. 36, T. 4N, R. 17W, S.B. B. & M.

Location 750' S., and 350' E. from center of Section 36. Elevation of derrick floor ~~ground~~ above sea level 1402' 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 1 1942 Signed J. W. Ash

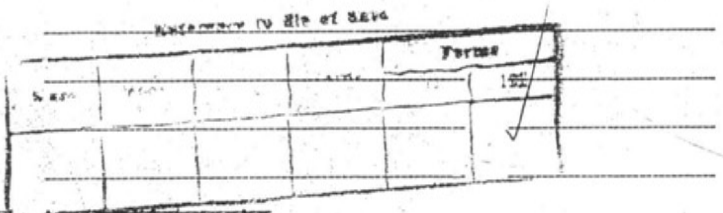
Robin Willis (Engineer or Geologist) C. C. Winslow (Superintendent) Title J. W. Ash, Agent (President, Secretary or Agent)

Commenced drilling Nov. 22 1941 Completed drilling March 6 1942 Drilling tools ~~Cable~~ Rotary

Total depth 7519' Plugged depth 7020'

Junk

GEOLOGICAL MARKERS DEPTH



menced producing March 7 1942 (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	265	34.3	0.1	Estimated 250,000	150	---
Production after 30 days	Prorated 111	34.0	0.1	Estimated 150,000	380	---

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 Cementing if through perforations
12-3/4"	322'	0	43#	New	Seamless	J-55	17-1/2"	200	
7"	~~6855'~~ 6857' *	0	30#	"	"	J-55	11" and 10-5/8"	800	
4-1/2"	7018'	6835	16#	Used	"	C	6"	Landed	

* see history

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
4-1/2"	7018 ft.	6868 ft.	5/16" round	8	1-1/2"	Drilled
7"	6826 ft.	6771 ft.	1/2"	1	6"	McCullough gun
7'	6730 ft.	6700 ft.	1/2"	1	6"	McCullough gun
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 5676', 6843', 7119', 7499' (Attach Copy of Log)

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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
JUN 2 2 1942
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

OPERATOR C. G. WILLIS FIELD Newhall-Potrero

Well No. Ferguson 1, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed J. W. Ash

Date June 1 1942 Title J. W. Ash, Agent
(President, Secretary or Agent)

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	
11/22/41	Spudded in.
11/22-23/41	Drilled 17-1/2" hole to 322'
11/23/41	Cemented 322' of 12-3/4" casing with 200 sacks of cement
11/25/41-1/20/42	Drilled 11" hole to 6775' and 10-5/8" hole to 6857',
	Cored: 2445 - 2465' 5991 - 5995'
	2856 - 2877' 6536 - 6545'
	4065 - 4078' 6632 - 6662'
	4885 - 4898' 6775 - 6806'
	5884 - 5894'
	Ran Schlumberger:
	1/4/42 322 - 5676'
	1/21/42 5676 - 6843'
1/22/42	Cemented 7", J-55, 30# casing at 6857' with 800 sacks Victor Oil Well high temperature cement.
1/27/42	Drilled out below shoe, ran Acme Formation Tester. Shut-off approved by Division of Oil & Gas.
1/27/42 - 2/9/42	Drilled 6" hole from 6857 to 7519'.
	Cored: 6860 - 6878' 7241 - 7248'
	7028 - 7048' 7279' - 7284'
	7120 - 7135' 7329 - 7344'
	7203 - 7214' 7491 - 7519'
	Ran Schlumberger:
	1/31/42 6857 - 7119'
	2/9/42 7119 - 7499'
1/28/42	Ran Acme Tester, packer at 6830', depth 6907'. Open 1 hr. Steady light increasing blow. Gas in 39 minutes. Closed 1 hr. Recovered 500' (3.7 bbls.) gas-cut mud, show of black oil toward bottom, no water. Pressure built up to 3400# closed in.
2/1/42	Ran Acme Tester, packer at 6830', depth 7171'. Opened two turns, fair increasing to strong blow, gas in 15 minutes. Blow stopped at 25 minutes, opened 1/2 turn at 27 min. Fairly steady blow up to 2 hrs. 10 minutes. Fluid came: 10 minutes mud, 10 minutes mud and oil, 30 minutes oil, Died for 20 minutes, fluid came again, oil and gas, blew across sump, for 10 minutes. Closed after 3 hrs. 40 minutes. Samples from 2nd head

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Well No. Ferguson 1, Sec. 36, T. 4-N, R. 17-W, S. B. B. & M.

Signed [signature]

Date June 1 1942 Title J. W. Ash, Agent
(President, Secretary or Agent)

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Date	
	and drill pipe 33.5° oil, little mud no salt water. Pressure, flowing, 1500-2100#, closed in 3250#. Static head 4000# (400# too high for 75# mud at 6850', other pressures should be corrected accordingly).
2/9/42	Put in cement plug, 60 sacks Victor Oil Well Cement with drill pipe hung at 7491', displaced with 297 cu. ft. of mud.
2/10/42	Found first bridge at 7260', cleaned out to 7294'.
2/11/42	Cemented with 35 sacks Victor Oil Well Cement,
2/12/42	Cleaned out cement to 7139', reamed hole 6857' to 7139'.
2/[illegible]/42	Ran 4-1/2" Liner, 292.60' over all 28.48' blank 260.12' perforated, Landed 2' off bottom, top at 6845', bottom at 7137', top of perforations 6877'.
[illegible]/14-17/42	Tested by swabbing. Tubing at 6714'.
[illegible]/17-18/42	Killed well, pulled tubing, put on packer, landed tubing at 6672'. Well started flowing, some oil, varying amounts of water, 170 gr/gal. NaCl.
[illegible]/19-20/42	Ran Oilwell Water Locator.
[illegible]/21-22/42	Rigged up to pull liner.
[illegible]/23-25/42	Washed liner, shot twice with Alexander cord, recovered liner, took core 7165-7178', soft cement.
[illegible]/26/42	Cemented with 40 sacks Victor Oilwell Cement, drill pipe at 7174'.
[illegible]/27/42	Found top cement at 7084'. Cemented again with 55 sacks Victor Oil Well Cement.
[illegible]/28/42	Found top of cement at 6985' drilled out to 7020'.
[illegible]/2/42	Cleaned out to 7020', Ran tester, with packer at 6839'.
[illegible]/3-4/42	Well started flowing by heads, 7:55 A.M. Flowed well until 10:30 A.M. March 4th. Pulled tester loose.
[illegible]/4/42	Perforated 7" casing from 6826 - 6771' and 6730 - 6700', 190 holes, 6" centers, McCullough gun perforator. Reamed from 6857 to 7020' with wall scraper.
[illegible]/5-6/42	Ran 4-1/2" liner, 183.63 overall, 150 perforated. Landed 2' off bottom, top at 6837'. Ran 6659' tubing with packer.
[illegible]/7/42	Swabbed into production. I.P. 265 B/D.

pkg 7491 - 7020

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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator C. G. WILLIS Field Newhall-Potrero

Well No. Ferguson 1 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
0'	79'	79'			Surface gravel and shale
79	186	107			Sand and Shale
186	254	68			Hard Shale
254	314	60			Shale and gravel
314	322	8			Shale
322	480	158			Sand and shale
480	740	260			Shale
740	854	114			Shale
854	998	144			Hard shale
998	1101	103			Shale
1101	1208	107			Shale
1208	1371	163			Shale
1371	1444	73			Shale
1444	1522	78			Shale
1522	1598	76			Shale, streaks of hard sand
1598	1631	33			Hard sand
1631	1708	77			Hard shale
1708	1786	78			Hard shale
1786	1865	79			Shale
1865	1956	91			Shale with hard streaks
1956	2027	71			Hard shale
2027	2072	45			Hard shale
2072	2137	65			Hard shale
2137	2190	53			Hard shale
2190	2254	64			Hard shale
2254	2269	15			Hard shale
2269	2272	3			Shell
2272	2290	18			Hard shale
2290	2352	62			Shale
2352	2401	49			No description
2401	2445	44			Hard shale
2445	2465	20			Core #1
2465	2475	10			Shale
2475	2539	64			Hard shale
2539	2576	37			Hard shale
2576	2624	48			Hard shale
2624	2694	70			Hard shale
2694	2757	63			Hard shale
2757	2824	67			Shale
2824	2844	20			Hard shale
2844	2856	12			Hard shale
2856	2877	21			Core #2
2877	2908	31			Hard shale
2908	2984	76			Shale
2984	3045	61			Hard shale
3045	3083	38			Hard shale

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FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
3083'	3125'	42'			Hard shale
3125	3165	40			Hard shale
3165	3210	45			Hard shale
3210	3243	33			Hard shale
3243	3266	23			Hard shale
3266	3301	35			Hard shale
3301	3341	40			Hard shale
3341	3357	16			No description
3357	3398	41			Shale
3398	3438	40			Hard shale
3438	3454	16			Hard shale
3454	3501	47			Shale
3501	3538	37			Hard shale
3538	3568	30			Hard shale
3[illegible]	3593	25			Hard shale
3[illegible]	3631	38			Hard shale
3631	3650	19			Hard shale
3650	3661	11			Hard shale
3661	3703	42			Hard shale
3703	3728	25			Hard shale
3728	3755	27			Hard shale
3755	3788	33			Hard shale
3788	3818	30			Hard sandy shale
3818	3846	28			Hard sandy shale
3846	3885	39			Hard sandy shale
3885	3912	27			Hard sandy shale
3912	3948	36			Hard sandy shale
3948	4000	52			Hard sandy shale
4000	4055	55			Hard shale
4055	4065	10			Hard shale
4065	4078	13			Core #3
4078	4117	39			Hard sandy shale
4117	4154	37			Hard sandy shale
4154	4181	27			Hard sandy shale
4181	4232	51			Hard shale
4232	4255	23			Hard shale
4255	4290	35			Hard sandy shale
4290	4359	69			Hard shale
4359	4395	36			Hard shale
4[illegible]	4427	32			Hard shale
4[illegible]	4490	63			Hard shale
4490	4512	22			Hard Shale
4512	4552	40			Hard shale
4552	4607	55			Hard shale
4607	4641	34	(Page #2)		Hard shale

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FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
4641'	4684'	43'			Hard shale
4684	4705	21			Hard shale
4705	4763	58			Hard shale
4763	4801	38			Hard shale
4801	4840	39			Hard shale
4840	4884	44			Hard shale
4884	4898	14			Hard shale
4898	4941	43			Hard shale
4941	4976	35			No description
4976	5009	33			Hard sandy shale
5009	5025	16			Hard shale
5025	5077	52			Hard sandy shale
5077	5114	37			Hard sandy shale
5114	5142	28			Hard shale
5142	5154	12			Hard sand
5154	5196	42			Hard shale with streaks hard sand
5196	5227	31			Hard shale
5227	5248	21			Hard shale
5248	5267	19			Hard shale
5267	5289	22			Hard shale
5289	5317	28			Hard shale
5317	5345	28			Hard shale
5345	5366	21			Hard shale
5366	5400	34			Hard shale
5400	5443	43			Hard shale
5443	5445	2			Hard shale
5445	5464	19			Hard shale and sand
5464	5493	29			Hard sand and shale
5493	5522	29			Hard shale
5522	5548	26			Hard shale
5548	5582	34			Hard shale
5582	5617	35			Hard shale
5617	5653	36			Hard shale and streaks of hard sand
5653	5676	23			Hard shale
5676	5693	17			Hard sandy shale
5693	5732	39			Hard sandy shale
5732	5734	2			Hard shale
5734	5751	17			Hard sandy shale
5751	5788	37			Hard shale
5788	5814	26			Hard shale
5814	5864	50			Hard sandy shale
5864	5884	20			No description
5884	5894	10			Core #5
5894	5938	44			Sand and shale
5938	5971	33	(Page #3)		Sand and shale

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FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
5971'	5974'	3			Core #6
5974	5975	1			Shell
5975	5988	13			Hard sandy shale
5988	6015	27			Hard sand and shale
6015	6017	2			Hard shale
6017	6032	15			Sandy shale and hard shale
6032	6077	45			Hard sandy shale
6077	6082	5			Hard sand and shale
6082	6089	7			Hard sandy shale
6089	6118	29			Hard sandy shale
6118	6129	11			Hard sandy shale
6129	6175	46			Hard sandy shale
6175	6178	3			Hard shale
6178	6218	40			Shale
[illegible]3	6268	50			Sandy shale streak hard shale
6268	6316	48			Hard shale
6316	6319	3			Hard shale
6319	6347	28			Hard shale
6347	6378	31			Hard sandy shale
6378	6398	20			Hard shale
6398	6418	20			Hard shale
6418	6446	28			Hard shale
6446	6476	30			Hard shale
6476	6491	15			Hard shale
6491	6528	37			Hard shale
6528	6535	7			Hard shale
6535	6540	5			Core #7
6540	6545	5			Core #8
6545	6567	22			No description
6567	6613	46			Hard shale
6613	6634	21			Shale
6634	6632	2			Underhole
6632	6637	5			Core #9
6637	6641	4			No description
6641	6647	6			Core #10
6647	6657	10			Core #11
6657	6667	10			Core #12 (recovered part of Core #11)
6667	6702	35			Hard shale
6702	6721	19			Hard shale
[illegible]1	6732	11			Hard shale
6732	6772	40			Hard shale with streaks sand
6772	6775	3			Hard shale
6775	6785	10			Core #13
6785	6795	10			Core #14
6795	6805	10			Core #15
6805	6806	1			Core #16

(Page #4)

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FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
6806'	6831'	25'			Shale with streaks sand
6831	6857	26			Hard shale
6857	6860	3			No description
6860	6878	18			Core #17
6878	6885	7			Hard sand
6885	6907	22			Hard sand
6907	6918	11			Hard sand
6918	6934	16			Hard sand
6934	6974	40			Sand, thin hard spots
6974	6992	18			Hard sand
6992	7012	20			Hard sand
7012	7023	11			Hard sand
7023	7028	5			Hard shale
7028	7048	20			Core #18
7048	7098	50			Sand
7098	7120	22			Sand
7120	7129	9			Core #19
7129	7135	6			Core #19-A
7135	7160	25			Hard sand and shale
7160	7171	11			No description
7171	7190	19			Shale with streaks sand
7190	7203	13			Sand thin hard streaks
7203	7214	11			Core #20
7214	7225	11			Hard shale
7225	7241	16			Sand and shale
7241	7248	7			Core #21
7248	7271	23			Sand, hard streaks
7271	7279	8			Hard sand
7279	7284	5			Core #22
7284	7328	44			Sand, hard streaks
7328	7344	16			Core #23
7344	7367	23			Shale with hard streaks
7367	7369	2			Hard
7369	7373	4			Hard shale
7373	7396	23			Hard shale
7396	7410	14			Hard shale
7410	7433	23			Hard shale and sand
7433	7441	8			Hard shale
7441	7449	8			Hard shale
7449	7463	14			Hard shale
7463	7475	12			Hard shale
7475	7491	16			Hard shale
7491	7499	8			Core #24
7499	7519	20			Core #25

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FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #1
2445'	2465'			2.5	Shale, hard dark gray with two fine gray sand lenses, irregular. Three fair 48° dips in sand lenses and color changes. One or two cross shears with weak striations at 45°.
				2.5	
					CORE #2
2856'	2877'			12.0	Shale, hard dark gray slightly sandy, fractured to strongly fractured and sheared, very few dips, approximately 38°. Shearing at 45° to 60°. Stuck in barrel, mixed in trays.
				12.0	
					CORE #3
5'	4078'			7.2	Shale, hard dark brown with numerous thin fine sand laminae and inclusions up to 1/2" in thickness seldom extending more than half the width of core. No fracturing or shearing. Broken in several places in coring. Dips from 31° to 41°, average 35°. Magnetic orientation. Sample 3-A at .7', 3-B at 3.4, and 3-C at 7.0'.
				5.4	Shale with 35% - 40% fine sand in very irregular whorls and contorted forms of sedimentation. General dip of 35°.
				12.6	
					CORE #4
4885'	4898'			14.2	Shale, hard, dense poorly bedded, very sandy with irregular whorls and inclusions of fine light gray sandstone. Two 1" streaks fine sand at 1.0 and 1.8' with hard coarse sandstone inclusion between. Some fracturing, no slickensides, some long solid pieces up to 2'. Dips average 31° range from 21° to 38°. Best are from 31° - 38°.
				14.2	
					CORE #5
84'	5894'			4.0	Gray sand, fairly hard medium fine to pebbly light gray in flat biscuits, bedding about 25° (poor).
				4.0	

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FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #6
5971'	5975'			2.0	Gray Sand firm friable to hard, fine to medium light gray, 15° - 20° dips.
				.2	Shale hard gray in contact with conglomerat irregular 5° - 10° dip.
				2.2	
					CORE #7 (Reed Wire Line)
6535'	6540'			4.5	Shale, hard, dense, massive, dark gray finely silty with scattered whorls and lenses very fine light gray sandstone, irregular bedding, dips from 18° to 24°, average 20°.
					CORE #8 (Reed Wire Line)
6540'	6545'			2.5	Shale as above, average dip 18°.
					CORE #9
6632'	6637'			3.0	Shale, hard very silty to sandy, massive, gray to brown gray, high percent of very fine to fine light gray sandstone in streaks and whorls, bedding irregular. Best dips from 19° to 24°. Some shearing at 35° - 45°, high angle slickensides, oil stains on fracture, giving weak straw cut.
					CORE #10
6637'	6647'			.7	Shale as above.
				.1	Oil sand, firm to hard, very fine to medium fine, light brown rich odor, dark straw cut. (May have been more sand drilled up).
				5.5	Shale as above, medium gray to bluish where silty, streaked with brown oil, stained in three spots, two streaks very hard light gray shelly sandstone.
				2.6	Shale, hard, massive, dark brown gray with less silt and fine sand, one 1" streak fine white sandstone, few shears at 35°-45°. Dips in this core very poor, appear to be from 10°- 15°.
				8.9	
					CORE #11
6647'	6657'			4.5	Shale as last above, little sand, one 1/2" streak hard oil sand at 1.0, best dips at 20°.

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FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
6657'	6662'				**CORE #12** (Recovered part of Core #11)
				8.1	Shale, hard dark brown-gray massive, little sand in upper half, more toward bottom, some shearing. Good 20° dips.
				8.1	
6775'	6785'				**CORE #13**
				.9	Shale hard dark gray silty, inclusions and whorls fine gray sand, two 1" streaks hard very fine light brown oil sand. Dip 12° to 24°, average 16°.
				.3	Oil sand, firm, coarse poorly sorted with interstitial clay, friable, fine odor.
				.4	Shell, very fine light gray to light brown oil stained fairly hard sandstone 1/2" shale at top.
				2.8	Oil sand, firm to fairly hard friable, mostly coarse to strongly pebbly with clay matrix, probably tight, fine streak at 1.5, sample 13-a from .6 to 1.1, good odor, rich clear dark amber cut.
				2.8	Oil sand, very firm to hard, fine to medium poorly sorted light brown, good to slightly sour odor, clear light amber cut, three 1" streaks shale at .6, 1.1, and 2.4, dips 13° - 16°, average 15°.
				7.2	
6785'	6795'				**CORE #14**
				3.7	Oil sand, very firm to hard slightly friable, fine pebbly down to coarsely pebbly (pebbles up to 1/4"), poorly sorted clay matrix, tight, good slightly sour odor, light amber cut. Sample 14-a from .9 to 1.4'
				3.8	Oil sand as above, fine to medium poorly sorted silty, coarse pebbles in bottom .3, fair odor, light amber cut. Sample 14-b from 2.7 to 3.5'
				1.7	Shell, hard medium fine slightly pebbly poorly sorted light brown sandstone oil-saturated.
				.3	Oil sand firm very coarse pebbly as above.
				9.5	

FORM 101 99170 4-41 36250
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator C. G. WILLIS Field Newhall-Potrero

Well No. Ferguson 1 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #15
6795'	6805'			.5	Shell, hard, coarsely pebbly light brown sandstone, oily odor.
				2.0	Oil sand, firm friable, coarse very poorly sorted, light brown in biscuits with fre oil. Fair slightly sour odor, light amber cut.
				1.7	Shell, very hard light gray limy pebbly sandstone dead gray, very faint odor. Wore 1" off cutting head of inner barrel
				.5	Oil sand, loose, packed in barrel fine light brown burnt odor.
				4.7	
					CORE #16
6805'	6806'			.8	Shell as last above, very hard.
				.8	
					CORE #17
6860'	6878'			3.0	Sandstone and conglomerate shell, hard to very hard, fine laminated to coarse with pebbles up to 2" or 3", mostly light gra softer streaks slightly brown with oil stain, two fragments soft fine brown oil sand, cuts from this and more porous she clear light amber, weak odor. 15° to 17 dip on sandstone laminations.
				3.0	
					CORE #18
7028'	7048'			2.5'	Shale, hard gray silty, massive, in fragmen up to 3" long, sheared on planes at 45°, with several streaks up to 1" of very fin light gray to slightly brown hard sand slightly oil-stained where softer, faint odor, pale straw cut. Fair dips 20°.
				2.5'	
					CORE #19 (Reed Wire Line)
7120'	7129'			4.5	Shale, hard gray, very sandy and silty streaks fine gray sandstone irregular 15° - 20° dips.
				4.5	

(Page #4)

FORM 101 99170 4-41 36250
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator C. G. WILLIS Field Newhall-Potrero

Well No. Ferguson 1 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
7129'	7135'				CORE #19-A
					(Reed wire line without inner barrel).
				1.5	Shale as above, more massive, less sandy.
				1.5	
7203'	7214'				CORE #20 (Oliver drag head)
				.6	Shale, hard, dark gray to dark brown, massive, 1" fine hard gray sand, irregul 15° dips.
				.3	Gray sand rather hard but friable, fine clean light gray, no cut, sour dead odor.
				1.2	Shale and fine gray whorly sandstone, three fractures, 55° - 80°, slickensides at 20°
				.6	Gray sand as above. Sample 21-A
				.2	Shale as above.
				.6	Gray sand as above. Sample 21-B
				2.6	Shale streaks and whorls of fine gray sandstone, bottom foot fairly strongly sheare at average 45°.
				.5	Shell, hard medium light grey sandstone, streaks shale 18° dips.
				3.2	Shale, hard dark gray massive, few streaks fine gray sandstone 9°- 18° dips, scattered shears, 35° to 45°.
				9.8	
7241'	7248'				CORE #21 (Oliver Core Barrel)
				.1	Shale, hard dark gray and fine light gray sandstone lenses 21° dip.
				1.5	Gray sand, very firm but friable, fine down to coarse, light gray no cut nor odo
				.2	Shale and fine sandstone as above, 12° dip.
				.3	Gray sand as above.
				.3	Shale as above, 10° dips.
				1.0	Gray sand as above, softer, in biscuits toward bottom.
				.3	Shale irregular inclusions fine gray sandstone 5° dip (?).
				.6	Gray sand as above.
				.1	Shell, very hard light gray brown fine conglomerate. Flat dip.
				4.4	

FORM 101. 99170 4-41 36250
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator C. G. WILLIS Field Newhall-Potrero

Well No. Ferguson 1 Sec. 36, T. 4-N, R. 17-W, S. B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #22 (Oliver Core Barrel)
7279'	7284'			1.5	Loose sand, fine down to coarse, finely pebbly, shaken to pieces running on shell.
				.8	Gray sand, firm, medium poorly sorted slightly pebbly, light gray, no cut nor odor.
				.3	Shell, very hard fine conglomerate, cemented tight.
				2.6	
					CORE #23 (Oliver Core Barrel)
7329'	7344'			.2	Gray sand, firm friable, fine light gray.
				.4	Shale, hard, dark gray, silty, 12° dip.
				.6	Gray sand, firm fine down to coarse pebbly light gray, no cut nor odor.
				3.3	Shale, hard dark gray to dark brown, streaks and whorls very fine gray sand, 14° - 18° dips.
				.2	Gray sand very firm fine light gray.
				1.1	Shale as above, 18° - 24° dips.
				.2	Gray sand as above.
				1.0	Shale as above, higher percent of sand, 15° - 20° dips.
				1.4	Gray sand very firm fine down to soft coarse light gray
				.5	Shale as above, 18° dip.
				.3	Gray sand firm fine.
				.1	Shale and fine gray sand, 12° dip.
				.2	Shell, hard fine light gray sandstone.
				9.5	
					CORE #24 (Oliver Core Barrel)
7491'	7499'			4.0	Shale, hard dark brown, siliceous, banded in clean bedding planes, 10° - 15° dips, broken and sheared, no pieces over 2", two streaks of 4 - 5" sheared into thin slices and slickensided, shears generally at about 45°
				.4	Burnt shale in catcher, lens of very fine sand on bottom, light gray, gives straw cut.
				4.4	

M 101. 99170 4-41 36250
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DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator C. G. WILLIS Field Newhall-Potrero

Well No. Ferguson 1 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #25 (Oliver Core Barrel)
7499'	7519'				
				2.2	Brown shale, hard massive, medium brown slightly fractured on 45° shears.
				.6	Shale as above, two 1" streaks hard gray sandstone shells, no cut.
				1.6	Shale hard brown massive, strongly sheared (1/4" to 1" streaks).
				3.1	Shale, hard light brown slightly sandy, stringers whorly sand, 20° - 25° dips, slightly broken.
				.5	Shale softer, gray, crumbly, crushed.
				2.4	Shale, hard brown, massive, fracture on low-angle broken at 20° - 45°, no dips.
				1.1	Shale, very hard light brown sandy, unbroken.
				.3	Shell, very hard light gray, sandstone, no odro.
				.9	Shale, hard light brown sandy.
				3.0	Shale hard brown massive, strongly broken to crushed at bottom.
				.5	Shale, soft brown rotten in catcher. No cut
				16.0	

FORM 109-A

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-40630

Los Angeles, Calif. January 30, 1942.

Mr. J. W. Ash,
Los Angeles, Calif.
Agent for C. G. WILLIS

DEAR SIR:

Your well No. "FERGUSON" 1, Sec. 36, T. 4 N., R. 17 W., S. B. B. & M. Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on January 27, 1942. Mr. E. R. Murray-Aaron, Engineer, designated by the supervisor, was present as prescribed in Sec. 3222 and 3223, Ch. 93, Stat. 1939; there were also present C. C. Winslow, Superintendent, and Robin Willis, Engineer.

Shut-off data: 7 in. 30 lb. casing was cemented at 6857 ft. on January 22, 1942 in 11" hole with 800 sacks of cement of which 7 sacks was left in casing.
Casing record of well: 12-3/4" cem. 322'; 7" cem. 6857', W.S.O.

Reported total depth 6859 ft. Bridged with cement from xxx ft. to xxx ft. Cleaned out to 6859 ft. for this test. A pressure of 750 lb. was applied to the inside of casing for 30 min. without loss after cleaning out to 6800 ft. An Acme tester was run into the hole on 3-1/2 in. drill pipe, with xxxx ft. of water cushion, and packer set at 6841 ft. with tailpiece to 6851 ft. Tester valve, with variable bean, was opened at 8:00 a.m. and remained open for 1 hr. and 30 min. During this interval there was an initial puff; no blow for 30 minutes, and a light, steady blow for the remaining 1 hr.

THE ENGINEER ARRIVED AT THE WELL AT 11:20 A. M. AND MR. WILLIS REPORTED:
1. An 11" rotary hole was drilled from 322' to 6857'.
2. Mud fluid was circulated 2 hr. before cementing the casing.
3. Electrical core readings showed the top of oil zone at 6700',

THE ENGINEER NOTED:
1. When the drill pipe was removed 50' of medium drilling fluid was found in the drill pipe above the tester, equivalent to 0.4 bbl.
2. The fluid sample taken from the bottom of the drill pipe tasted fresh.
3. The recording pressure bomb chart showed that the tester valve was open 1 hr. and 30 minutes.

The test was completed at 12:05 p. m.

THE SHUT-OFF IS APPROVED.

cc- Company
ERMA:OH

R. D. BUSH, State Oil and Gas Supervisor
By E. H. Musser, Deputy

94709 12-40 7830
STATE PRINTING OFFICE

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-40521

Los Angeles, Calif. December 26, 1941.

Mr. J. W. Ash,
Los Angeles, Calif.
Agent for C. G. WILLIS

121

DEAR SIR:

Operations at your well No. "FERGUSON" 1 Sec. 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by S. H. Rook, Inspector, representative of the supervisor, on December 22, 1941. There was also present C. C. Winslow, Superintendent, and Wm. Parry, Driller.

Casing Record 12-3/4" cem. 322'. T.D. 4607'.

Junk XXXXXX

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

~~The inspector arrived at the well at ... and Mr. ... reported:~~

THE INSPECTOR ARRIVED AT THE WELL AT 2:00 P. M. AND NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer gate for closing in the well with the drill pipe out of the hole.
2. A Shaffer, ram-type gate for closing around the 5-9/16" drill pipe.
3. The controls for the above equipment were located outside the derrick.
4. A 2" mud fill-up line, with a 2" high pressure stop cock into the 12-3/4" casing below the above equipment.
5. A high pressure stop cock on the goosp.neck.
6. A Hosmer type blowout preventer with packer to fit the 5-9/16" drill pipe.
7. An 8-5/8" shut-off gate on the mud discharge line.

The inspection was completed at 2:35 p. m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

cc- C. G. Willis
SHR:OH

R/ma

R. D. BUSH
State Oil and Gas Supervisor
By E. H. Musser Deputy

6538 10-41 15M
STATE PRINTING OFFICE

75

6

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-40424

Los Angeles, Calif. December 2, 1941.

Mr. C. G. Willis,
Los Angeles, Calif.
~~Agent for~~ C. G. WILLIS

DEAR SIR:

Operations at your well No. "FERGUSON" 1 Sec. 36, T. 4N., R 17W., S. B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by Ellis Robinson, Cementer for International Cementers, representative of the supervisor, on November 23, 1941. There was also present C. C. Winslow, Superintendent.

Casing Record 12-3/4" cem. 322'. T. D. 322'

Junk --

The operations were performed for the purpose of demonstrating that the known surface waters are adequately protected.

The ~~inspector~~ cementer arrived at the well at 6:00 p. m. and Mr. Winslow reported:

1. A 17-1/2" rotary hole was drilled from the surface to 322'.
2. 329' of 12-3/4" - 43 lb. casing was run into the hole to 322'.

MR. ROBINSON NOTED THE FOLLOWING:

1. The 12-3/4" casing was cemented at the reported depth of 322' with 200 sacks of cement.
2. All the cement was treated with quick-setting chemical.
3. The cement was displaced from the casing with 263 cubic feet of drilling fluid.
4. The final pressure was 175 lb.
5. Cement returned to the surface.

The cementing operations were completed at 10:00 p. m.

THE CEMENTING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED AS INDICATING THAT the known surface waters are adequately protected.

NOTE: This work was not witnessed by a member of this division for the reason that no Inspector was available, but was witnessed as noted above and the above information was furnished by Mr. Ellis Robinson of the International Cementers.

SHR:G
S/R

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

6536 10-41 15M
STATE PRINTING OFFICE

26

5

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-37135

Los Angeles, Calif. November 24, 1941.

MR. C. G. Willis,
Los Angeles, Calif.

Agent for C. G. WILLIS

DEAR SIR:

Your proposal to drill Well No. "FERGUSON" 1,
Section 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County,
dated Nov. 12, 1941, received Nov. 17, 1941, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES;
"~~The well is 750 feet S. and 350 feet E. from Center of Section 36.~~ (see below) *
The elevation of the ground above sea level is 1350 feet.
We estimate that the first productive oil or gas sand should be encountered at a depth of about 7000 feet."

PROPOSAL:
"We propose to use the following strings of casing, either cementing or landing them as herei indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
12 3/4"	43#		350	Cemented
7"	24#		7000	"
4 3/4"	17#		7200	Landed

Well is to be drilled with rotary tools.
It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:
THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Mud fluid consistent with good drilling practice shall be used and the column of mudfluid maintained at all times to the surface, particularly while pulling the drill pipe.
2. Adequate blowout prevention equipment shall be provided and ready for use at all times.
3. Any hole to be sidetracked in any oil zone shall be filled with cement, if possible.
4. The formations to be left back of the 7" casing shall be mudded in a manner consistent with good drilling practice.
5. This division shall be notified to examine cores and/or electrical log before running the 7" casing.
6. The column of mud fluid back of the 7" casing shall be maintained to the surface for at leas 30 days after cementing this casing.
7. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To witness the cementing of the 12-3/4" casing. ——— *
   (b) To witness a test of the effectiveness of the 7" shut-off.
   (c) To inspect the blowout prevention equipment and installation before drilling below 1500'

*"From North end of Easternmost line of Lot 10, Sec. 36, T. 4 N., R. 17 W., S. B. B. & M., 2367' S'ly along said line and 314' E'ly at rt angles thereto. (Correction letter 12-17-41) tow

cc- C. G. Willis
ABH:OH

Counter will file affidavit. [illegible]

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Meisser Deputy

27 4

OR-81780
NE-61629

INTERNATIONAL CEMENTERS

Inc.

PACIFIC CEMENTING DIVISION • P. O. Box 2017 Terminal Annex • Los Angeles • KImball 9137

DIVISION OF OIL & GAS
RECEIVED
DEC 1 - 1941
LOS ANGELES, CALIFORNIA

November 23, 1941

Mr. E. H. Musser, Deputy Supervisor
Division of Oil and Gas
629 South Hill Street
Los Angeles, California

6:00 p.m.
11/23/41

Dear Sir:

Operations at C. G. Willis well Ferguson #1 in the Newhall-Potrero Field. Mr. C. C. Winslow, Superintendent, reported the following.

1. A 17½" rotary hole was drilled from the surface to 322'.
2. 329' of 12-3/4" 43# slip joint seamless casing was run into the hole to 322'.

I, Ellis Robinson, witnessed the following.

1. The 12-3/4" casing was cemented at the reported depth of 322' with 200 sax of Victor Construction cement (treated).
2. The cement was displaced with 263 cu. ft. of mud fluid.
2a. Cement returned to surface.
3. The final pressure was 175 lbs.
4. After 4 hours filled up around top with 40 sacks.

Operations were completed at 10:00 P.M.

Yours very truly,

INTERNATIONAL CEMENTERS, INC.

Ellis Robinson

Ellis Robinson, Cementer

ER:bk

Subscribed and sworn to before me this
29th day of November, 1941
Gwendolyn MacBrayer Notary Public
in and for the County of [illegible], State of California
My Commission Expires Oct. 27, 1942.

CEMENTING AND CHEMICAL TREATMENT OF OIL AND GAS WELLS

24

FORM 105. 87730 6-40 11,250
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

037-12603

Notice of Intention to Drill New Well 10

This notice must be given and surety bond filed before drilling begins

DIVISION OF OIL & GAS
RECEIVED
NOV 17 1941
LOS ANGELES, CALIFORNIA

Los Angeles Calif. November 12 19 41.

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. "Ferguson" 1, Sec. 36, T. 04 N., R. 17 W., S. B. B. & M., Newhall - Potrero Field, Los Angeles County.

Lease consists of 500 Acres

The well is 750 ~~feet N. or S.~~ and 350 feet E. ~~or W.~~ from Center of Section 36
(Give location in distance from section corners or other corners of legal subdivision)

"From North end of Easternmost line of Lot 10, Sec. 36, T. 4 N., R. 17 W., S. B. B. & M., 2367' S'ly along said line and 314' E'ly at r.a. angles thereto. (Corr. L. 2-17-43)

The elevation of the ~~derrick floor~~ ground above sea level is 1350 feet.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 7000 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
12 3/4"	43#		350	Cemented
7"	24#		7000	"
4 3/4"	17#		7200	Landed

Well is to be drilled with ~~cable~~ rotary tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address 1135 Subway Terminal Building

Telephone number Mu 2156

C. G. WILLIS
(Name of Operator)

By C. G. Willis
C. G. Willis

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

18
S.M.F.

Book
11-21-41
J.H.R.

29

3

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. **T200-106**

Report on Operations

Bradford A. DeWitt, Agent
MEDALLION CALIFORNIA PROPERTIES
5400 Rosedale Hwy.
Bakersfield, CA. 93308

Ventura, California
June 28, 2000

Your operations at well **"Ferguson" 2,** API No. **037-12604,** Sec. **36,** T. **4N,** R.**17W,** S.B.B.&M. **Newhall Potrero** Field, in **Los Angeles** County, were witnessed on **6-22-2000**. **Anneliese Anderle,** representative of the supervisor, was present from **0800** to **1200**. There were also present **Mr. Richie McGowan.**

Present condition of well: **12 ¾" cem 277'; 7" cem 6833' wso, cp @ 100' & 1100'; 4 ¾" ld 6793'-7112', perf 6843'-7112'. TD 7114'. Plugged w/ cem 7108'-6664', 1100'-886' & 100'-5'.**

The operations were performed for the purpose of **abandonment.**

DECISION:

The plugging operations as witnessed and reported are approved.

CBT

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 2000)

T200-106

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CEMENTING/PLUGGING MEMO

Operator MEARLIN CALIFORNIA (MARATHON OIL CO.) Well No. "FERGUSON" 2

API No. 037-12604 Sec. 36 T. 4N R. 17W, SB B&M

Field NEWHALL POTRERO , County LOS ANGELES . On JUNE 20, 20

Mr. / Ms. ANNELIESE ANDRUK , representative of the supervisor, was present from 0800 to 1200 .

There were also present MR RICHIE McGOWAN

Casing record of well:

12 3/4" CSG. 277'; 7" CSG 6232' W/50 CP @ 100' & [illegible]

4 3/4" LD 6713' - 7110', PERF 6843' - [illegible], TD 7114'.

PLUGGED W/ CIBP 7108' - 6664', 1130' - 886' & 100' - SURF.

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 Pressure	Perforations
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
7"	23	0	6232		1100'	91 cf		886	39 sx	500 psi	1130'

Casing/tubing recovered: PERF " Shot/~~cut~~ at 100' w/ 886, _____ ', Pulled fr. _____ ';

PERF " Shot/~~cut~~ at 1100' w/ 886, _____ ', Pulled fr. _____ '.

Junk (in hole): _____

Hole fluid (bailed to) at _____ '. Witnessed by _____

Mudding	Date	bbls	Displaced	Poured	Fill	Engineer
9.6 PPG	6-20-00	219	6600'	> 1100'		RPL
GRAV	6-22-00	31	886'	> 100'		
WATER						

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engineer	Depth	Wt/Sample	Date & Time	Engineer
6-20-00	76 cf	tbg @ 7100'	—	RPL	6664'	tag		
6-22-00	91 cf	tbg @ 1100'	—	RPL	886	tag wt	6-22-0730	RPL
6-22-00	106 cf	CIRCULATE	1630-1730	RPL	SURF	RU	6-22-0830	RPL

OGD10 (4/99) Printed on recycled paper.

C/O TO 7112' SLICKLINE RPL

2

3

OPERATOR Medallion Calif. Prop. Co.
WELL NO. "Ferguson" 2
MAP

A.P.I. 037-12101
SECTION 36, T. 4 N, R. 17 W

INTENTION	Abandon					
NOTICE DATED	9-28-99					
P-REPORT NUMBER	299.153					
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	9.28.99											
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 _____
I. WELL LIST _____
SURFACE INSP. CARD _____

REMARKS: _____

OK TO RELEASE FROM CONFIDENTIAL _____
ABANDONED-REMOVED FROM E.D.P. _____

3

1

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P299-153

PERMIT TO CONDUCT WELL OPERATIONS

500 (field code)
00 (area code)
— (new pool code)
05 (old pool code)

Bradford DeWitt, Agent
Medallion California Properties Co.
5400 Rosedale Highway
Bakersfield, California 93308

Ventura, California
October 5, 1999

Your proposal to abandon well "Ferguson" 2,
A.P.I. No. 037-12604 Sec. 36, T. 4N, R. 17W, SB B.&M.,
Newhall-Potrero field, ---------- Area 7th pool
Los Angeles County, dated 9/28/99 Receive 10/4/99 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 II2M requirements shall be installed and maintained in operating conditions 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 7,112'.
4. All portions of the well not plugged with cement are filled with an inert mud fluid having a minium density of 72 lbs./cu. ft. and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. Well site restoration is completed within 60 days following the plugging and abandonment of the well.
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 6,693'.
   b. To witness the mudding of the well.
   c. To witness the location and hardness of the cement plug at 1000'.
   d. To witness the placing of the surface plug in the 12-3/4" and in the 7" x 12-3/4" annuli.
   e. To inspect and approve the cleanup of the well site before approval of the abandonment will be issued.

Blanket Bond
SAF:saf

Engineer Steven A. Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, JR., State Oil and Gas Supervisor

By _____
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 (6/96/GSR/5M) Printed on recycled paper.

7

4

500
00
1-23 05
0 153

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CARDS
BOND BB
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 "Ferguson" #2 API No. 03712604 Sec. 36 T. 4N R. 17W S.B. B.&M.

Newhall-Potrero Field Los Angeles County, starting work on 10/15/99

The present condition of the well is

1. Total depth: 7,114 ft

2. Complete casing record, with plugs and perforations (present hole):

12-3/4" 43# J-55 csg cmt'd @ 277 ft.
7" 23# & 26# N-80 casing cmt'd @ 6,833 ft. Est TOC @ 6,143 ft (600 sx "G").
4-3/4" 16# J-55 liner hung at 7,112 ft. TOL @ 6,793 ft. Slotted 6,843 ft - 7,112 ft, 20 mesh.

3. Date last produced or injected: Pre-1976

Additional data for dry hole (show depths)

1. Oil or gas shows:

2. Stratigraphic markers:

Note: Well was a 1-2-3 zone producer.

3. Formation and age at total depth:

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:

Please see attached program.

RECEIVED
OCT 04 1999

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 5400 Rosedale Highway (Street)
Bakersfield, CA 93308 (City) (State) (Zip)
Telephone Number 661-823-9006 (Area Code) (Number)

Medallion California Properties Company (Name of Operator)
By C. D. Fiddler (Print Name)
(Signature) 9/28/99 (Date)

OG108 (8/97)

PROPOSED ABANDONMENT PROGRAM
FERGUSON WELL #2
SECTION 36, T4N, R17W, SBB&M
NEWHALL-POTRERO FIELD, LOS ANGELES COUNTY

1. RU Coil Tubing Unit (CTU); install Class II BOPE. RIH and lay a Class "G" cement plug in the 4-3/4" liner and 7" casing from 7,112 ft to 6,693 ft. Tag cement plug. DOGGR to witness location and hardness of plug. Fill 7" casing with 72# clay based mud from 6,693 ft to 1,100 ft.

2. RU perforators, RIH with cavity shot gear to 1,100 ft, make cavity shot. POOH with perforating gear. RIH with coil tubing, clean out to bottom of cavity if necessary and set Class "G" cement plug from 1,100 ft to 1,000 ft. Tag top of plug. DOGGR to witness location and hardness of plug.

3. Fill 7" casing with 72# mud from 1,000 ft to 100 ft.

4. RU perforators and shoot eight (8) 1/2" holes at 100 ft. RD perforators. RIH with coil tubing and circulate surface plug into 7" x 12-3/4" casing annulus and 7" casing. DOGGR to witness surface plugging. RD coil tubing unit.

5. Clear surface location, cut off casing five feet below ground level and weld on required well identification marker. DOGGR to witness plug prior to welding ID plate. DOGGR to make inspection of location after restoration.

CDF 9/28/99

6

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY McFarlan WELL NO. Ferguson 2

API NO. 037-12604 SEC. 36, T. 4N, R. 17W, SB B.&M.

COUNTY LA FIELD New Cut (-Peters)

RBDMS DATA ENTERED: 10/1/99
(DATE)

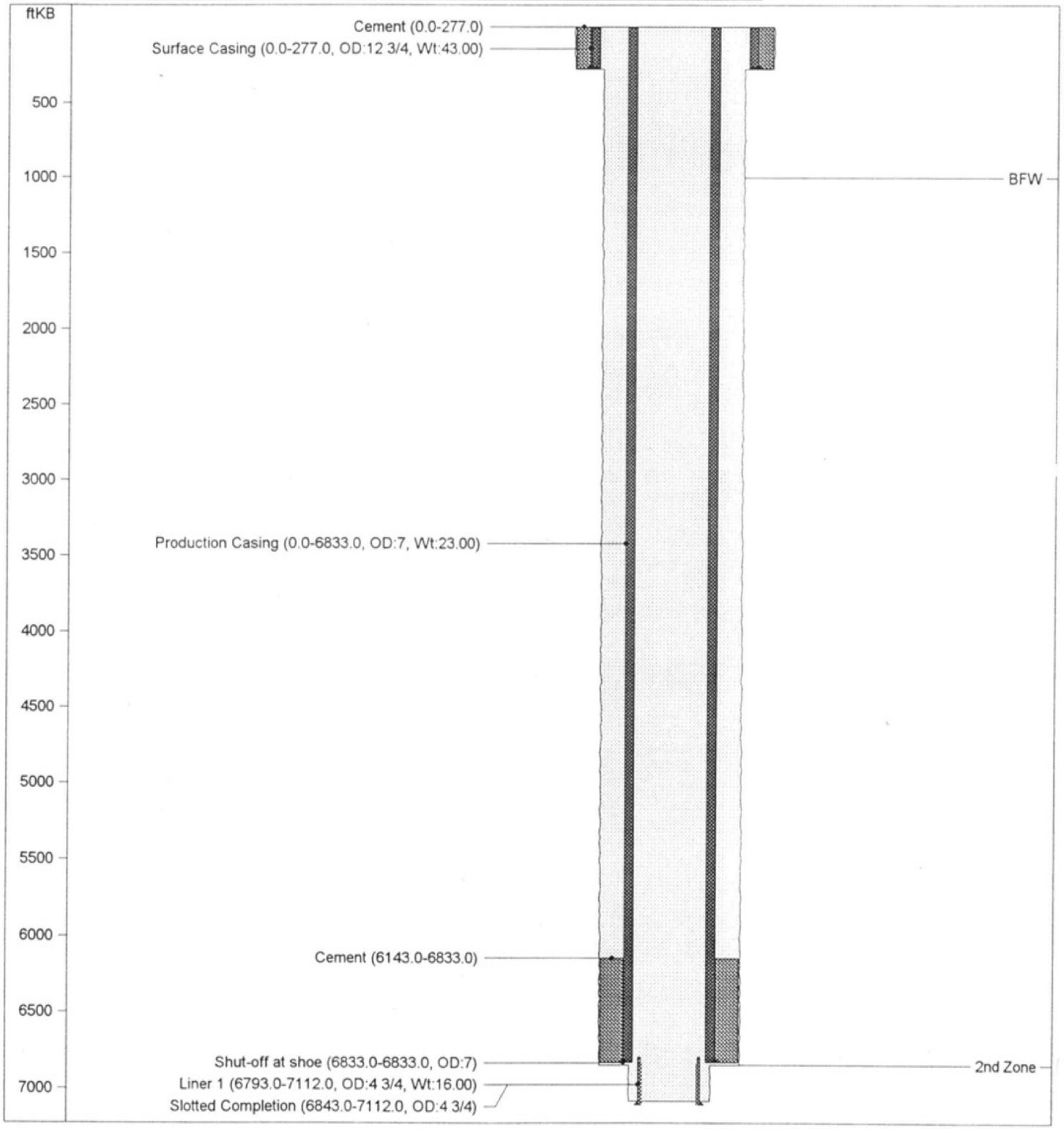
BY: _____
(NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

WELL CONSTRUCTION DATA ONLY

04037126040000	
Well Name	Ferguson 2
Operator	MEDALLION CALIF PRPTS CO
Field Name	NEWHALL-POTRERO
TD	7086.0 ftKB
PBTD	7086.0 ftKB
Approval Date	18-Feb-43
Spud Date	20-Oct-43
TD Date	12-Feb-44
Production Date	13-Feb-44
Injection Date	
P/A Date	

Division of Oil & Gas Conservation



10/1/99

8

FLUID LEVEL SURVEYS

Field: Newhall-Potrero
Inspector: Bruce H. Hesson
Date: August 23, 1991

WELL		Pressure	FLUID LEVEL (fbgl)
"Fergeson"	2	12	6541
"	4	230	4898
"	6	30	7595
"	7	175	7440
"	9	(Well is buried -	to be tested later)
"RSF"	24	15	5456
"	25	vac.	6076
"	31	40	5301
"	36	20	5332
"	47	vac.	4991
"	50	1	4898
"	51	4	3534
"	52	vac.	3503
"	124	17	4681
"	132	15	4371

9

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-[illegible]	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

- PA – Producing Active
- NPA – No Potential, Active
- PI – Potential Inactive
- NPI – No Potential, Inactive
- Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

OGD156 (6/90/GSR1/2M)

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county NEWHALL-POTRERO	District 2
Former owner Sun Oil Company	Date Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange 1/1/82	New owner Sun Exploration & Production Co. Address P.O. Box 55060 Valencia, Ca. 91355	Type of organization Company Telephone No. (805) 257-6200

Reported by
Sun Oil Company

Confirmed by
Sun Exploration & Production Co.

New operator new status (status abbreviation) PA	Request designation of agent on file
Old operator new status (status abbreviation) Ab	Remarks NAME CHANGE ONLY

Deputy Supervisor Murray W. Dosch	Signature Murray W Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
) – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

OGD156 (12-77-GS81-2M)

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FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: **Newhall-Potrero** District: **1**

Former Owner: **General Exploration Co. of Calif.** Date: **March 3, 1965**

Description of Property: **Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.**
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10- Sec. 36-4N-17W

Date of Transfer: **January 1, 1965**
New Owner: **SUNRAY DX OIL COMPANY**
Address: **23928 Lyons Avenue, Newhall, Calif.**

Telephone No. **259-2440**

Type of Organization: **Corporation**
Reported by: **General Exploration Co. of Calif. on Dec. 1964 Production Report**
Confirmed by: **Sunray DX Oil Co. in letter dated 3-1-65**
New Operator New Status **PA** , Old Operator New Status **PA**
Request designation of agent **No**

Remarks:

cc **E. R. Murray-Aaron**
Production Dept.
Conservation Comm.

Wm. C. Bick
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M SPO

2

28

SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator General Exploration Company of Calif. Field Newhall-Potrero

Well No. Ferguson 2 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Location (2817' S. and 960' E. from N. corner of Easternmost line of Lot 10, measured parallel (and normal to said line. Elevation of derrick floor above sea level 1450 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 1944

Signed C. G. Willis

Robin Willis (Engineer or Geologist)

C. C. Winslow (Superintendent)

Title C. G. Willis, President (President, Secretary or Agent)

Commenced drilling 10/20/43 Completed drilling 2/12/44 Drilling tools Rotary

Total depth 7114 Plugged depth

GEOLOGICAL MARKERS DEPTH

Junk

Commenced producing 2/13/44 (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	420	34.0	1.0	100.	110	620
Production after 30 days	215	34.0	0.1	100.	175	600

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 Cement if through perfora
12-3/4"	277	0	43#	New	Seamless	J-55	15"	220	
7"	6833	0		"	"	N-80	10-5/8"	600	
4-3/4"	7112	6793	16#	"	"	J-55	6-1/8"	Landed	

Perforations

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
4-3/4"	7112 ft.	6843 ft.	80 mesh, 2" slots	6	6"	Slotted pipe,
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 6650', 6849', 7020', and 7086'. (Attach Copy of Log)

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FORM 103.
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

2

History of Oil or Gas Well

OPERATOR GENERAL EXPLORATION CO. OF CALIF. FIELD (Ferguson) (Newhall-Potrero)

Well No. Ferguson #2, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed J. W. Ash

Date April 10, 1944

Title Agent (Agent)

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	
	Elevation 1448 feet.
10-20-43	Spudded in.
20-21	Drilled 15" hole to 277 feet. Set 277' of 12-3/4" 43#, surface casing with 220 sacks of cement.
10-24 to 1-4-44	Drilled 10-5/8" hole to 6853'. Cored: 2865-2885, 4070-4084, 4136-4156, 5891-5912, 6016-6036, 6674-6826, 6849-6853.
-16-44	Ran Lane-Wells Electrolog, 277' to 6650'.
-24-44	Ran Lane-Wells Electrolog, 6650' to 6848'.
-25-44	Cemented 7" casing at 6833' with 600 sacks Oilwell cement.
-1-44	Drilled out to 6838'. Ran Acme formation tester, set packer at 6808', open 1 hour, 8 minutes, medium intermittant blow, gas to surface in 30 minutes. Closed in for 30 minutes, built up 1200# pressure. Recovered 336' of gas-and oil-cut mud. W.S.O. approved by D.O.G.
-2 to 2-10-44	Drilled 6-1/8" hole to 7114 feet. Cored: 6856-6901, 6930-7114.
-6-44	Ran Lane-Wells Electrolog, 6833-7020'.
-8-44	Ran Lane-Wells Electrolog, 7020-7086'.
-11-44	Landed 319' of 4-3/4" 16# R-2 liner, 269' perforated, at 7112', top at 6793'.
-12-44	Ran 2-1/2" tubing to 6742'.
-13-44	Swabbed well into production. I.P. 353 B/D. 34.0°, 1.0%.

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DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY Medallion WELL NO. Ferguson 3

API NO. 037-12605 SEC. 36, T. 4N, R. 17W, SB B.&M.

COUNTY LA FIELD Newhall - Potrero

RBDMS DATA ENTERED: 10/5/99
(DATE)

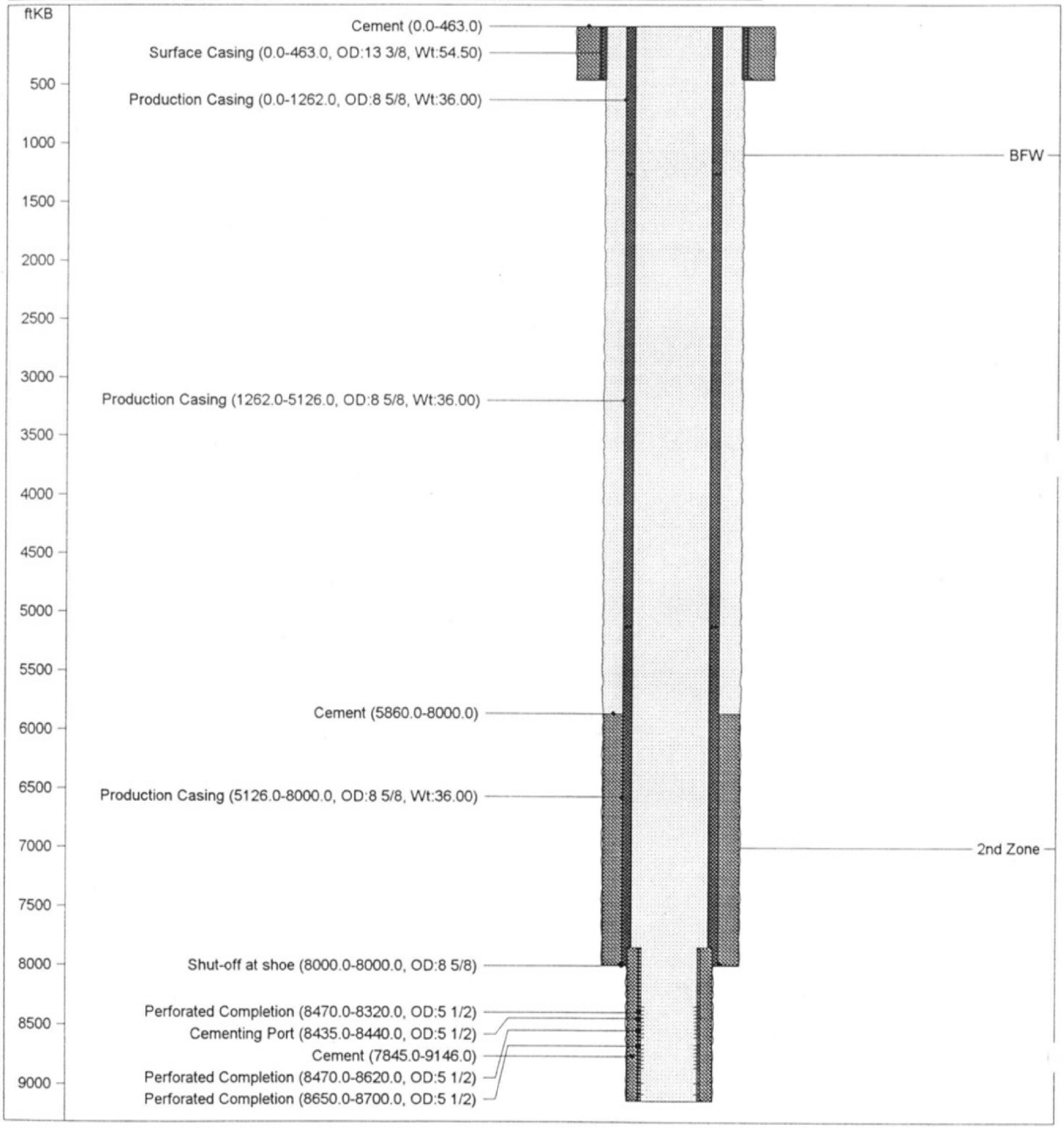
BY: SPT
(NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

WELL CONSTRUCTION DATA ONLY

04037126050000	
Well Name	Ferguson 3
Operator	MEDALLION CALIF PRPTS CO
Field Name	NEWHALL-POTRERO
TD	9143.0 ftKB
PBTD	9143.0 ftKB
Approval Date	29-Apr-47
Spud Date	06-May-47
TD Date	20-Aug-47
Production Date	22-Sep-47
Injection Date	
P/A Date	

Division of Oil & Gas Conservation



10/5/99

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P299-149

PERMIT TO CONDUCT WELL OPERATIONS

500 (field code)
00 (area code)
----- (new pool code)
30 (old pool code)

Bradford DeWitt, Agent
Medallion California Properties Co.
5400 Rosedale Highway
Bakersfield, California 93308

Ventura, California
October 5, 1999

Your _____ proposal to abandon well "Ferguson" 3,
A.P.I. No. 037-12605 Sec. 36, T. 4N, R. 17W, SB B.&M.,
Newhall-Potrero field, ---------- area, 5th pool
Los Angeles County, dated 9/28/99 Receive 10/4/99 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 II2M requirements shall be installed and maintained in operating conditions 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 9100'.
4. All portions of the well not plugged with cement are filled with an inert mud fluid having a minium density of 72 lbs./cu. ft. and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. Well site restoration is completed within 60 days following the plugging and abandonment of the well.
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 7445'.
   b. To witness the mudding of the well.
   c. To witness the location and hardness of the cement plug at 1000'.
   d. To witness the placing of the surface plug in the 13-3/8" and in the 7" x 13-3/8" annuli.
   e. To inspect and approve the cleanup of the well site before approval of the abandonment will be issued.

Blanket Bond
SAF:saf

Engineer Steven A. Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, JR., State Oil and Gas Supervisor

By _____
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 (6/96/GSR/5M) Printed on recycled paper.

OPERATOR Medallion Cattle Corp. D.

WELL NO. "Ferguson" #3

A.P.I. 037-12605

SECTION 36, T. 4 N, R. 17 W

MAP

INTENTION	Abandon					
NOTICE DATED	9-28-99					
P-REPORT NUMBER	2057-119					
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	10-1-99											
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 _____

INJECTION BOOK _____ REMARKS: _____

RELEASED BOND _____

IDLE WELL LIST _____

SURFACE INSP. CARD ____

OK TO RELEASE FROM CONFIDENTIAL _____

ABANDONED-REMOVED FROM E.D.P. _____

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CARDS [X]
BOND [BB]
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 "Ferguson" #3 API No. 03712605 Sec. 36 T. 4N R. 17W S.B. B.&M.

Newhall-Potrero Field Los Angeles County, starting work on 10/15/99

The present condition of the well is

1. Total depth: PBTD is 9,100 ft

2. Complete casing record, with plugs and perforations (present hole):
13-3/8" 54.5# J-55 csg cmt'd @ 463 ft.
8-5/8" 36# J-55 & N-80 casing cmt'd @ 8,000 ft. Est TOC @ 5,860 ft.
5-1/2" 17# N-80 liner cmt'd at 9,146 ft. TOL @ 7,845 ft. Cmt in 5-1/2" @ 9,100'. 5-1/2" perf'd 8,435 ft - 8,440 ft & cmt'd.
Perforated intervals:
8,470 ft - 8,620 ft
8,650 ft - 8,770 ft
8,792 ft - 8,880 ft
8,978 ft - 9,018 ft
9,060 ft - 9,092 ft

3. Date last produced or injected: Pre-1990

Additional data for dry hole (show depths)

1. Oil or gas shows:

2. Stratigraphic markers:

Note: Well was a 5th zone producer.

3. Formation and age at total depth:

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

e proposed work is as follows:

Please see attached program.

RECEIVED
OCT 04 1999

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 5400 Rosedale Highway (Street)
Bakersfield, CA 93308 (City) (State) (Zip)
Telephone Number 661-823-9006 (Area Code) (Number)

Medallion California Properties Company (Name of Operator)
By C. D. Fiddler (Print Name)
(Signature) 9/28/99 (Date)

OG108 (8/97)

PROPOSED ABANDONMENT PROGRAM
FERGUSON WELL #3
SECTION 36, T4N, R17W, SBB&M
NEWHALL-POTRERO FIELD, LOS ANGELES COUNTY

1. RU Coil Tubing Unit (CTU); install Class II BOPE. RIH and lay a Class "G" cement plug in the 5-1/2" liner and 7" casing from 9,100 ft to 7,445 ft. Tag cement plug. DOGGR to witness location and hardness of plug. Fill 7" casing with 72# clay based mud from 7,445 ft to 1,100 ft.

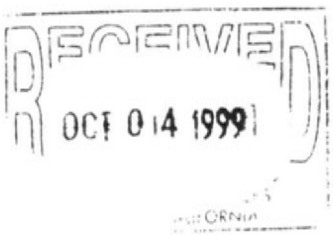
2. RU perforators, RIH with cavity shot gear to 1,100 ft, make cavity shot. POOH with perforating gear. RIH with coil tubing, clean out to bottom of cavity if necessary and set Class "G" cement plug from 1,100 ft to 1,000 ft. Tag top of plug. DOGGR to witness location and hardness of plug.

3. Fill 7" casing with 72# mud from 1,000 ft to 100 ft.

4. RU perforators and shoot eight (8) 1/2" holes at 100 ft. RD perforators. RIH with coil tubing and circulate surface plug into 7" x 13-3/8" casing annulus and 7" casing. DOGGR to witness surface plugging. RD coil tubing unit.

5. Clear surface location, cut off casing five feet below ground level and weld on required well identification marker. DOGGR to witness plug prior to welding ID plate. DOGGR to make inspection of location after restoration.

CDF 9/28/99



RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by: Oryx Energy Company

Confirmed by: Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

OGD156 (6/90/GSR1/2M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address: P.O. Box 55060, Valencia, Ca. 91355	Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: **Newhall-Potrero** District: **1**

Former Owner: **General Exploration Co. of Calif.** Date: **March 3, 1965**

Description of Property: **Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.**
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10- Sec. 36-4N-17W

Date of Transfer: **January 1, 1965**
New Owner: **SUNRAY DX OIL COMPANY**
Address: **23928 Lyons Avenue, Newhall, Calif.**

Telephone No.: **259-2440**

Type of Organization: **Corporation**
Reported by: **General Exploration Co. of Calif. on Dec. 1964 Production Report**
Confirmed by: **Sunray DX Oil Co. in letter dated 3-1-65**
New Operator New Status **PA**, Old Operator New Status **PA**
Request designation of agent **No**

Remarks:

cc **E. R. Murray-Aaron**
Production Dept.
Conservation Comm.

Wm. C. Forbes
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M SPO

27

037-12605

DIVISION OF OIL AND GAS
RECEIVED
JAN 3 1978
SANTA BARBARA, CALIFORNIA

36-4-17

Company ~~Sunset Exploration~~

Well No. Fey #3

Job Started Date 1-24-64 hr. 7:30 A.M.

Job Ended Date 1-27-64 hr. 9 A.M.

CASING RECORD

	Size	Depth	Top	Weight	Coupling and Thread
Surface Casing	[illegible]	463	0		
Water String		8000	0		
Liner	[illegible]	9092	7845		

Cement Plugs and Bottom

Liner Perforation Open Liner Perforation Closed

Remarks: Perforation [illegible] to 9092

PUMP RECORD: New Repaired X Make Oilsonic Size 2 Plunger Size 1 1/16

TUBING RECORD:

Shoe Depth	Size	Singles	Coupling and Thread
8865.24	2 1/2"	250	upset 8th
	2"	39	
	1"x30' rods	24	
	1x25 "	37	
	7/8 "	65	
	3/4 "	173	

Total Tubing in Hole 289 Jts.

Size Nipples in Tubing String and Location Landing Nipple 3.00 X 2 1/2, X-over 2 1/2 X 2 X 1.10

Tubing Catcher B. J. Size 8 5/8 x 10.89 Amount Tubing Below Catcher 39 Jts 2"

GAS ANCHOR:

Gas Anchor Removed Length Size

O. D. Length Shoe to Bottom—Plugged

BAILING OR SWABBING

Make of Swab Bailer Midway Size 2 3/8 Bailed Swabbed From 9000 To 9058 Fluid Level

Tubing Tested Method Test Pressure

Fluid Level: Bailer Depthograph Date

MISCELLANEOUS: [illegible] replaced pump from 1 1/4 plunger to 1 1/16 lowered pump to 8865.24 30 Jts 2" tubing to pump shoe 3 Jts 2" tubing below pump shoe, tubed to 8965.24", open end

Pumper or Foreman

KEY GREEN PRINTING CO., LOS ANGELES, CALIF.

FORM 103. 44809 4-45 50M
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JAN 22 1948
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

Operator General Exploration Company of Calif. Field Newhall-Potrero

Well No. "Ferguson" 3, Sec. 36, T. 4-N, R. 17-W, S. B. B. & M.

Signed C. G. Willis
C. G. Willis

Date October 26, 1947 Title Agent
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date 1947	
5/6-8	Spudded in and drilled 17-1/2" hole to 463'.
5/8	Cemented 463' of 13-3/8", 54-1/2#, J,55 casing with 260 sacks of cement. Cement returned to the surface.
5/9-7/18	Drilled 12-1/4" hole to 8000'. Cored the following intervals: 7092' - 7104' 7474' - 7480' 7124' - 7135' 7592' - 7598' 7180' - 7199' 7722' - 7733' 7222' - 7287' 7861' - 7871' 7373' - 7390' 7995' - 8000'
/1	Ran Schlumberger electric log, 463' - 7128'
/18	Ran Schlumberger electric log, 7128' - 7990'
/18-19	Ran 8000' of 8-58", 36# casing (N-80, 0' - 1262'; J-55, 1262 - 5126'; N-80, 5126' - 8000') and cemented with 1025 sacks of cement. Cement was displaced with 2665 cubic feet of drilling fluid.
/22	Found top of cement at 7941', drilled out cement to shoe and drilled 7-5/8" hole to 8003'. Ran Acme formation tester on 3-1/2" drill pipe with 1000' fresh water cushion. Set packer at 7940', bottom of tailpiece at 7955'. Opened tool one hour. There was only an initial light 15 second blow. 15' rise of watery drilling fluid. Tool was closed in one-half hour -- no pressure build up. Water shut-off approved by the Division of Oil and Gas.
/23-8/20	Drilled 7 5/8" hole to 9147' Cored the following intervals: 8047' - 8055' 8757' - 8764' 8140' - 8149' 8783' - 8801' 8273' - 8290' 8826' - 8833' 8390' - 8402' 8860' - 8867' 8476' - 8510' 8968' - 8971' 8597' - 8646' 9039' - 9044' 8672' - 8684' 9090' - 9092' 8714' - 8728' 9141' - 9147'
/1	Ran Schlumberger electric log, 8000' - 8613'
/21	Ran Schlumberger electric log, 8613' - 9143'
/22	Ran 1301' of 5 1/2" - 17# - N-80 liner (including a 4.6' liner hanger) to 9146' and cemented around shoe with 261 sacks of cement through 3 1/2" drill pipe

17

FORM 103, 44809 4-48 50M
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JAN 22 19[illegible]
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

Operator General Exploration Company of Calif. Field Newhall-Potrero

Well No. "Ferguson" 3, Sec. 36, T. 4-N, R. 17-W, S. B. B. & M.

Signed C. G. Willis

Date October 26, 1947 Title Agent
(President, Secretary or Agent)

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Date	
3/22	and displaced with 495 cubic feet of drilling fluid. Went in with bit and did not find cement above top of liner at 7845'.
3/24	Found top of cement in 5-1/2" liner at 8875' and drilled out cement to 9100'.
3/25	Ran Acme formation tester on 3-1/2" drill pipe, set packer at 7780', tailpiece at 7794', 1000' fresh water cushion, tool open one and one-half hours, 1/2" bean, Net total rise of 1200' of drilling fluid, equivalent to 50 cubic feet - 11.5 cubic feet of which came from below 8-5/8" shoe at 8000'.
3/26	Perforated 9 - 5/8" holes from 8440' - 8435' with McCullough gun. Ran Acme tester on drill pipe, set packer at 8393', tailpiece at 8408', 1000' water cushion, tool open 15 minutes, 3/8" bean, fluid outside drill pipe dropped away immediately, closed in 45 minutes. 1950' net rise of drilling fluid not cut by cement. No cement outside 5-1/2" liner above 8440'. Circulated behind liner and set Baker cement retainer at 8405'.
3/27	Cemented with 185 sacks through perforations from 8440' - 8435' through 3-1/2" drill pipe packed off at 7875' and displaced with 390 cubic feet of drilling fluid. Found top of cement in 8-5/8" at 7524' and drilled out to top of liner at 7845'.
3/28	Found top of cement in 5-1/2" at 8336' and drilled out to retainer at 8405'.
3/29	Ran Acme tester on 3-1/2" drill pipe, set packer at 7806', tailpiece at 7820', 1000' water cushion, tool open 1 hour and 6 minutes, 1/2" bean, closed in for 30 minutes. Net rise of 180' of drilling fluid equivalent to 1.4 barrels. Test witnessed by Insp. J. L. White for D. O. G., and splice test was approved. Drilled out cement retainer and cleaned out to 9100'.
3/30	Perforated 10 - 1/2" holes from 8715' to 8705' with McCullough gun. Ran Acme tester on drill pipe, packer at 8677', tailpiece at 8692', tool open 5 hours and 25 minutes, 3/8" bean, 1000' water cushion. Gas to surface in 3 hours 15 minutes. Closed in for 1 hour. Net fluid rise of 3720 ' or 27.5 barrels, which was comprised of 2 to 3 barrels of 33° oil and the remainder fresh water (100 gr/gal).
3/31	Perforated 110 - 1/2" holes at 6" spacing from 8770' to 8715' with McCullough gun. Ran Acme tester on drill pipe, packer at 8677', tailpiece at 8692', tool open for 9 hours 15 minutes, 3/8" bean, gas to surface in 2 hours 55 minutes. Went in with swab and hit fluid at a depth of from 2450' to 2650'. When pulling first swab with a load from 2900', line parted and swab dropped to bottom of drill pipe. 30 minutes before tool was closed, well started to blow mud and oil and shortly thereafter the fluid on outside was noticed to have dropped. Blew muddy water and light mud with 5 - 10 per cent 34° oil and considerable gas for two short intervals. Back scuttled gas-cut drilling fluid. Packer and valve were in good condition when pulled, indicating that circulation was made around the 5-1/2" liner from holes at 8440' and 8705'.
/2	Replaced top joint of 8-5/8" casing and landed same.

'2

18

FORM 103. 44809 4-45 50M
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JAN 22 1948
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

OPERATOR General Exploration Company of Calif. FIELD Newhall-Potrero

Well No. "Ferguson" 3, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed C. G. Willis

Date October 26, 1947 Title Agent
(President, Secretary or Agent)

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Date	
9/2-5	Perforated 740 - 1/2" holes with McCullough gun as follows: 8770' - 8700' 6" spacing 140 holes 8700' - 8650' 4" spacing 150 holes 8620' - 8470' 4" spacing 450 holes
9/4	Stuck McCullough gun perforator, pulled out of socket at 8520'. Recovered fish off bottom at 9100'.
9/5-6	Ran 8-5/8" packer to 7795' on 2-1/2" tubing and circulated out rotary mud with fresh water. Set packer.
9/7	Swabbing 34° oil at an estimated daily rate of 75 to 90 barrels.
9/10-12	Swabbing water from behind tubing after packing off bottom of tubing and shooting 2 holes near the bottom of the tubing, using the McCullough gun perforator.
9/12	Released packer and pulled tubing from 7795'.
9/12-15	Re-ran 2-1/2" tubing to 9078' without packer, landed same and swabbed at an estimated daily rate of 100 to 125 barrels of fairly clean 34° oil.
9/15-17	Pulled tubing. Perforated 958 - 1/2" holes with Byron Jackson gun as follows: 9092' - 9060' 4" spacing 90 holes 9018' - 8978' 4" spacing 108 holes 8880' - 8792' 4" spacing 252 holes 8770' - 8650' 6" spacing 224 holes 8620' - 8470' 6" spacing 284 holes
9/18	Set 5-1/2" packer at 8388' on 2-1/2" tubing.
9/18-21	Alternately swabbing and flowing.
9/22	On production. Flowing at daily rate of 103 barrels of 34.1° oil, cutting 1.0 per cent, 100,000 cubic feet gas, 210# to 240# on tubing and 375# on casing (packer not holding).

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121

13

19

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P299-148

PERMIT TO CONDUCT WELL OPERATIONS

500 (field code)
00 (area code)
---- (new pool code)
30 (old pool code)

Bradford DeWitt, Agent
Medallion California Properties Co.
5400 Rosedale Highway
Bakersfield, California 93308

Ventura, California
October 5, 1999

Your _____ proposal to abandon well "Ferguson" 4,
A.P.I. No. 037-12606 Sec. 36, T. 4N, R. 17W, SB B.&M.,
Newhall-Potrero field, ---------- area, 5th pool
Los Angeles County, dated 9/28/99 received 10/4/99 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 II2M requirements shall be installed and maintained in operating conditions 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 8986'.
4. All portions of the well not plugged with cement are filled with an inert mud fluid having a minium density of 72 lbs./cu. ft. and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. Well site restoration is completed within 60 days following the plugging and abandonment of the well.
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 8400'.
   b. To witness the mudding of the well.
   c. To witness the location and hardness of the cement plug at 1000'.
   d. To witness the placing of the surface plug in the 13-3/8" and in the 7" x 13-3/8" annuli.
   e. To inspect and approve the cleanup of the well site before approval of the abandonment will be issued.

Blanket Bond
SAF:saf

Engineer Steven A. Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, JR., State Oil and Gas Supervisor

By _____
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 (6/96/GSR/5M) Printed on recycled paper.

OPERATOR Medallion Calif Prop. Co. A.P.I. 037 - 126016

WELL NO. "Ferguson" 4 SECTION 36, T. 4 N, R. 17 W

MAP

INTENTION	Abandon					
NOTICE DATED	9-28-99					
P-REPORT NUMBER	299-148					
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	10-4-99											
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: _____

OK TO RELEASE FROM CONFIDENTIAL _____

ABANDONED-REMOVED FROM E.D.P. _____

2 /

148 S 80 30

OG

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CARDS ☒
BOND BB
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 "Ferguson" #4 API No. 03712606 Sec. 36 T. 4N R. 17W S.B. B.&M.

Newhall-Potrero Field Los Angeles County, starting work on 10/15/99

The present condition of the well is

1. Total depth: 8,987 ft (sidetrack)

2. Complete casing record, with plugs and perforations (present hole):
13-3/8" 54# J-55 csg cmt'd @ 405 ft.
7" 23#, 26#, & 29# N-80 casing cmt'd @ 8,604 ft.
5" 17# J-55 liner: 7/1948, orginal completion, 5" 17# J-55 liner hung @ 8,984 ft. Slotted 8,628 ft - 8,964 ft, 80 mesh. TOL 8,555 ft. 10/1949, cut 5" liner at 8,565 ft, milled 5" to 8,625 ft, set plug and sidetracked original hole to 8,987 ft. Hung 5" liner to 8,986 ft. TOL @ 8,555 ft. Liner slotted 80 mesh 8,610 ft - 8,984 ft.

3. Date last produced or injected: Pre-1992

Additional data for dry hole (show depths)

1. Oil or gas shows:

2. Stratigraphic markers:

Note: Well was a 5th Zone producer.

3. Formation and age at total depth:

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:

Please see attached program.

RECEIVED
OCT 04 1999

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 5400 Rosedale Highway (Street)
Bakersfield, CA 93308 (City) (State) (Zip)
Telephone Number 661-823-9006 (Area Code) (Number)

Medallion California Properties Company (Name of Operator)
By C. D. Fiddler (Print Name)
(Signature) 9/28/99 (Date)

OG108 (8/97)

3

3

PROPOSED ABANDONMENT PROGRAM
FERGUSON WELL #4
SECTION 36, T4N, R17W, SBB&M
NEWHALL-POTRERO FIELD, LOS ANGELES COUNTY

1. RU Coil Tubing Unit (CTU); install Class II BOPE. RIH and lay a Class "G" cement plug in the 5" liner and 7" casing from 8,986 ft to 8,400 ft. Tag cement plug. DOGGR to witness location and hardness of plug. Fill 7" casing with 72# clay based mud from 8,400 ft to 1,100 ft.

2. RU perforators, RIH with cavity shot gear to 1,100 ft, make cavity shot. POOH with perforating gear. RIH with coil tubing, clean out to bottom of cavity if necessary and set Class "G" cement plug from 1,100 ft to 1,000 ft. Tag top of plug. DOGGR to witness location and hardness of plug.

3. Fill 7" casing with 72# mud from 1,000 ft to 100 ft.

4. RU perforators and shoot eight (8) 1/2" holes at 100 ft. RD perforators. RIH with coil tubing and circulate surface plug into 7" x 13-3/8" casing annulus and 7" casing. DOGGR to witness surface plugging. RD coil tubing unit.

5. Clear surface location, cut off casing five feet below ground level and weld on required well identification marker. DOGGR to witness plug prior to welding ID plate. DOGGR to make inspection of location after restoration.

CDF 9/28/99

FLUID LEVEL SURVEYS

Field: Newhall-Potrero
Inspector: Bruce H. Hesson
Date: August 23, 1991

WELL		Pressure	FLUID LEVEL (fbgl)
"Fergeson"	2	12	6541
"	4	230	4898
"	6	30	7595
"	7	175	7440
"	9	(Well is buried - to be tested later)	
"RSF"	24	15	5456
"	25	vac.	6076
"	31	40	5301
"	36	20	5332
"	47	vac.	4991
"	50	1	4898
"	51	4	3534
"	52	vac.	3503
"	124	17	4681
"	132	15	4371

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-2	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by: Oryx Energy Company

Confirmed by: Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county NEWHALL-POTRERO	District 2
Former owner Sun Oil Company	Date Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange 1/1/82	New owner Sun Exploration & Production Co. Address P.O. Box 55060 Valencia, Ca. 91355	Type of organization Company Telephone No. (805) 257-6200

Reported by
Sun Oil Company

Confirmed by
Sun Exploration & Production Co.

New operator new status (status abbreviation) PA	Request designation of agent on file
Old operator new status (status abbreviation) Ab	Remarks NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

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FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: Newhall-Potrero — District: 1

Former Owner: General Exploration Co. of Calif. — Date: March 3, 1965

Description of Property: Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: January 1, 1965
New Owner: SUNRAY DX OIL COMPANY
Address: 23928 Lyons Ave., Newhall, Calif.

Telephone No.: 259-2440

Type of Organization: Corporation
Reported by: General Exploration Co. of Calif. on Dec. 1964 Production Report
Confirmed by: Sunray DX Oil Co. in letter dated 3-1-65
New Operator New Status PA , Old Operator New Status PA
Request designation of agent No

Remarks:

cc E. R. Murray-Aaron
Production Dept.
Conservation Comm.

Wm. C. Bell
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M ② SPO

8

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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
DEC 9 ...
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall Potrero

Well No. "Ferguson" #4, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed R. S. Ballantyne, Jr.

Date November 9, 1949 Title R. S. Ballantyne, Engineer.

(President, Secretary or Agent)

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	
1949	
9/7	Pumping 20 B/D net, 34.0° oil, cutting 0.1%
9/8-21	Took well off pump. Moved out pumping unit. Rigged up rotary. Filled casing with oil base drilling fluid. Pulled tubing. Made up drill pipe. Cleaned out to bottom, 8985', and conditioned drilling fluid.
9/22-30	Fishing for 5" liner (top at 8553', bottom at 8984'). Cut liner at 8580' and recovered 27', cleaned out to 8985' and washed perforations. Jarred on stub of liner at 8580', shot Ford Alexander string shot, and again jarred without success. Repeated above procedure twice without success. Ran Baash-Ross inside cutters and cut liner at 8900', 8800' and 8700'. Jarred without success. Cut liner at 8750' and 8650'. Jarred with no results.
10/1-3	Tore out and rigged up heavier equipment (J-1000).
10/3-6	Cleaned out to 8985'. Cut liner at 8725' and 8625'. Jarred and recovered 45' of liner to 8625'. Jarred on liner at 8625' with negative results. Cut liner at 8675'. Could not recover additional fish.
10/7-9	Milled off top of liner at 8625' and sidetracked original hole.
10/9-15	Drilled 6-1/8" hole from 8625' to 8987'.
10/15-16	Shot the intervals from 8693' to 8735' and 8780' to 8948' with 213 Byron Jackson open hole strata jet shots, 1' spacing. Made total of 10 trips shooting 21 and 26 shots per trip. Cleaned out to bottom once while perforating.
10/17	Cleaned out to 8987'. Ran total of 444' (including liner hanger) of 5", 17#, J-55 liner on 3-1/2" drill pipe and landed liner at 8986' with top of hanger at 8542'. Liner perforated from 8986' to 8610' with 2" x 80-mesh slots on 6" centers in 6 ro
10/18-19	Ran Olympic packer on 2-1/2" tubing to 8510', circulated out oil base drilling fluid with oil and set packer at 8510'.
10/19-21	Swabbed oil. Apparent rate of fluid entry was approximately 20 B/D, no appreciable increase in production over 9/7/49.
10/21-23	Unseated packer and circulated oil out with oil base drilling fluid. Laid down tubing and made up 3-1/2" drill pipe. Cut liner at 8555' and recovered 10' of liner and hanger. Could not jar out balance of liner below 8555'.
10/24	Washed perforations from 8610' to 8710' where sand bridge was encountered. Ran in with bit, found top of bridge at 8632' and cleaned out to 8987'.
10/25	Washed liner from 8604' to 8987', shot Ford Alexander string shot over same interval and rewashed liner to 8987'.
10/	Could not jar liner out. Circulated oil base drilling fluid out with oil.
10/27	Ran 226 joints of 2-1/2" tubing and landed at 6980'.
10/29-11/2	Putting well on pump. First normal day's production: 26 B/D.
11/3-8	Average production 20 B/D net, 34.0°, 0.1% cut.

111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 1-47289

Los Angeles 15, Calif. September 27, 1949

MR. C. G. Willis

Los Angeles 13, Calif.

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Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your proposal to alter casing Well No. "Ferguson" 4, Section 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County, dated Sept. 7, 1949, received Sept. 23, 1949, 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:
The 7" shut-off above the perforations at 8570' was approved.

THE NOTICE STATES:
"The present condition of the well is as follows:
1. Complete casing record.
13-3/8", 54#, J-55 cemented at 405' with 410 sacks
7" (23, 26, 29#) N-80 cemented at 8604' with 850 sacks
5", 17#, J-55 liner landed at 8984' with top at 8553', and perforated from 8984' to 8628'.
Total Depth 8985'.

2. Last produced 9/7/49 (Date) — 20 bbl. (Net Oil) — 34.0° (Gravity) — 0.1% (Cut)"

PROPOSAL:
"The proposed work is as follows:
1. Take well off production (pumping).
2. Fill hole with oil base drilling fluid.
3. Remove all of 5" liner.
4. Shoot open hole shape charges on 1' spacing over the following intervals (approximate): 8950' - 8880', 8855' - 8780', 8735' - 8610'.
5. Rerun 5" liner.
6. Put on production."

DECISION:
THE PROPOSAL IS APPROVED.

ERMA:OH

cc- Company

W/B

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Meissen Deputy

2402 1-49 36,500 SPO

No bond required.

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16

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

RECEIVED
SEP 23 1949
LOS ANGELES, CALIFORNIA

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given fifteen days before work begins when possible

Los Angeles, Calif. September 7, 19 49

DIVISION OF OIL AND GAS
1015 West Olympic Boulevard
Los Angeles (15), 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 ~~deepening, redrilling, plugging or~~ altering casing at well No. "Ferguson" 4
(Cross out unnecessary words)

, Sec. 36, T. 4-N, R. 17-W, S.E. B. & M.

Newhall-Potrero Field, Los Angeles County.

The present condition of the well is as follows:

1. Complete casing record.

13-3/8", 54#, J-55 cemented at 405' with 410 sacks
7" (23, 26, 29#) N-80 cemented at 8604' with 850 sacks
5", 17#, J-55 liner landed at 8984' with top at 8553', and perforated from 8984' to 8628'.
Total Depth 8985'.

2. Last produced 9/7/49 (Date) | 20 bbl. (Net Oil) | 34.0° (Gravity) | 0.1% (Cut)

The proposed work is as follows:

1. Take well off production (pumping).
2. Fill hole with oil base drilling fluid.
3. Remove all of 5" liner.
4. Shoot open hole shape charges on 1' spacing over the following intervals (approximate):
   8950' - 8880', 8855' - 8780', 8735' - 8610'.
5. Rerun 5" liner.
6. Put on production.

alter casing

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121

GENERAL EXPLORATION COMPANY OF CALIFORNIA
(Name of Operator)
By R. S. Ballantyne, Jr.
R. S. Ballantyne, Jr., Engineer.

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

FORM 107
79216 5-47 17,500 SPO

13

GENERAL EXPLORATION COMPANY
OF CALIFORNIA
417 SOUTH HILL STREET
LOS ANGELES 13, CALIFORNIA
MUtual 2156

DIVISION OF OIL AND GAS
RECEIVED
AUG 27 1948
LOS ANGELES, CALIFORNIA

August 24, 1948

Division of Oil and Gas
1015 West Olympic Boulevard
Los Angeles (15), California

Gentlemen:

Attached are the following reports on our "Ferguson" #4 well:

2 copies - Form 100 Log and Casing Record,
2 copies - Form 103 History,
2 copies - Form 101 Core Descriptions, and
2 copies - Electrologs as listed on Form 100.

According to our records all necessary reports have now been sent in. Will you, therefore, kindly release us from bond at your earliest convenience.

Yours very truly,

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

J. W. Ash,
Executive Vice-President

GS

SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

100. CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
AUG 27 1948
LOS ANGELES, CALIFORNIA

WELL SUMMARY REPORT

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA - Field Newhall-Potrero

Well No. "Ferguson" #4 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Location 2020' S. and 938' E. from N. corner of Easternmost line of Lot 10, measured parallel and normal to said line.

Elevation of ground above sea level 1459 feet.
All depth measurements taken from top of Kelly bushing, which is 10 feet above ground.

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 August 19, 1948

Signed _____

R. S. Ballantyne, Jr. (Engineer or Geologist)

C. C. Winslow (Superintendent)

Title J. W. Ash, Executive Vice-Pres. (President, Secretary or Agent)

Commenced drilling March 24, 1948 Completed drilling July 14, 1948 Drilling tools ~~Cable~~ Rotary

Total depth 8,985 Plugged depth --

Junk None

GEOLOGICAL MARKERS	DEPTH
Top "Ferguson" 3 Zone	8,610'

Commenced producing July 19, 1948 (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	44	34.1°	0.1	25	0# - 200#	---
Production after 30 days	35	34.0	0.1	25	0 - 180	---

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 Cement if through perfs.
13-3/8"	405'	0'	54#	New	Seamless	J-55	18-5/8"	410	---
7"	121	0	29	New	Seamless	N-80	11"	850	---
	1,823	121	26						
	5,482	1,823	23						
	7,272	5,482	26						
	8,604'	7,272	29						
5"	8,984	8,553	17	New	Seamless	J-55	6-1/8"	-	---

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	8,628 ft.	8,984 ft.	80 mesh x 2"	6	6	Machine
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

MAP | MAP BOOK | CARDS | BOND | FORMS 114 | 121

9 Electrical Log Depths 405' to 8,985' (Attach Copy of Log) 15

FORM 103. 62984 9-46 47,500
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
AUG 27 1948
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 4, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed

Date August 19, 1948

Title J. W. Ash, Executive Vice-President
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	
1948	
/24-27	Spudded and drilled 11" hole to 405' and opened hole from 11" to 18-5/8" to 405'.
/27	Ran 13-3/8", 54-1/2#, J-55 Casing to 405' and cemented with 410 sacks construction cement.
/29 to /23	Drilled 11" hole from 405' to 8642' with clay base drilling fluid. Cored the following intervals: 7,761' to 7,769'; 7,954' to 7,961'; 8,211' to 8,226'; 8,420' to 8,431'; 8,492' to 8,502'; 8,562' to 8,572'; 8,632' to 8,642'
/17	Ran electric log (Schlumberger) from 405' to 8,420'.
/23	Ran electric log (Schlumberger) from 8,420' to 8,642'.
/24-25	Ran 7", 23#, 26#, 29#, N-80 casing to 8,604' and cemented with 850 sacks of cement (Permanente Modified). Cement was displaced with 1,820 cubic feet of drilling fluid. Plug hit with final pressure of 800#.
/28	Found top of cement at 8,556' and drilled out cement to 8,584'. Shot four 5/8" holes at 8,570' with gun perforator (Byron-Jackson).
/29	Ran formation tester (Acme) on 3-1/2" drill pipe with 1,073' fresh water cushion. Set packer at 8,528' and tailpiece at 8,547'. Opened valve at 4:57 A.M. Tool open one hour with 1/2" bean. Initial 10 second puff and dead throughout remainder of test. Net rise of 60' or 0.2 bbl. heavy drilling fluid. Water Shut Off approved.
/28 to /14	Drilled 6-1/8" hole from 8,642' to 8,985' with oil base drilling fluid. Cored the following intervals: 8,710' to 8,722'; 8,781' to 8,786'; 8,843' to 8,853'; 8,911' to 8,915'; 8,970' to 8,974'
/15	Ran electric log (Schlumberger) from 8,642' to 8,985'. Ran 421' of 5", 17#, J-55, flush joint liner and landed at 8,984'. Top of liner at 8,553', perforated from 8,628' to 8,984'.
/17-18	Ran 8,508' of 2-1/2" tubing with packer on bottom. Circulated oil base drilling fluid out with clean oil. Set packer.
/18-19	Swabbed into production 6:30 A.M. 7/19/48. Initial Production 44 barrels net oil, 34.1°, 0.1% with well flowing by heads and tubing pressure 0# - 200#.

MAP	MAP BOOK	CARD	BOND	FORMS 114	FORMS 121

:0

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-2	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or change	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance; or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address	**Telephone No.**
	P.O. Box 55060 Valencia, Ca. 91355	(805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

2 OGD156 (12-77 C581-2M) 2

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: **Newhall-Potrero** District - **1**

Former Owner: **General Exploration Co. of Calif.** Date **March 3, 1965**

Description of Property: **Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.**
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:

"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: **January 1, 1965**
New Owner: **SUNRAY DX OIL COMPANY**
Address: **23928 Lyons Ave., Newhall, Calif.**

Telephone No. **259-2440**

Type of Organization: **Corporation**
Reported by: **General Exploration Co. of Calif. on Dec. 1964 Production Report**
Confirmed by: **Sunray DX Oil Co. in letter dated 3-1-65**
New Operator New Status **PA** , Old Operator New Status **PA**
Request designation of agent **No**

Remarks:

cc **E. R. Murray-Aaron**
Production Dept.
Conservation Comm.

Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M SPO

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SUBMIT LOG IN DUPLICATE

FILL THE BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 5 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Location 2906' S. and 1612' E. from N. corner of easternmost line of Lot 10 measured parallel and normal to said line.

Elevation above sea level 1506 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

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 4/15/49

Signed C. G. Willis

R. S. Ballantyne (Engineer or Geologist) C. C. Winslow (Superintendent) Title C. G. Willis, Agent (President, Secretary or Agent)

Commenced drilling 12/6/48 Completed drilling 3/8/49 Drilling tools ~~Cable~~ Rotary

Total depth 7283' Plugged depth ----

Junk None

GEOLOGICAL MARKERS	DEPTH
Top of second zone	6974'

Commenced producing 3/8/49 (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	286	32.5	0.1	275	250	---
Production after 30 days	158	33.0	0.1	165	50	---

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 Drilled	Number of Sacks of Cement	Depth of Cement if through perforat
11-3/4"	442'	0'	47#	New	Seamless	J-55	17-1/2"	370	---
	453'	0'	26#			N-80			
	990'	453'	23#			N-80			
~~7"~~	~~6581'~~	~~990'~~	~~23#~~	~~New~~	~~Seamless~~	J-55	~~11"~~	600	---
	6923'	6581'	23#			N-80			
	6965'	6923'	26#			N-80			
~~5"~~	~~7282'~~	~~6921'~~	~~16#~~	~~New~~	~~Seamless~~	~~J-55~~	~~6-1/8"~~	--	---

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	7282' ft.	6984' ft.	2" x 80-mesh	6	6"	Machine slotted
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 442' - 7278' (Attach Copy of Log)

4 7

FORM 103. 62984 9-46 47,500
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" 5, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed C. G. Willis

Date April 15, 1949 Title C. G. Willis, Agent
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	
1948	
12/6-9	Spudded and drilled 17-1/2" hole to 442'
12/9	Ran 11-3/4", 47#, J-55 casing to 442' and cemented with 370 sacks of construction cement. Cement returned to the surface.
12/11-31	Drilled 11" hole from 442' to 4176'
1949	
1/1-3	Drilled 11" hole from 4176' to 6860'
2/6-13	Drilled 8-1/2" hole from 6860' to 7019', coring the following intervals: 6889' - 6900', 6941' - 6946', 6955' - 6981', 6982' - 7014'
2/9	Ran schlumberger electric log from 6940' to 442'
2/12	Ran schlumberger electric log from 7013' to 6940'
2/13-15	Hole reamed from 8-1/2" to 11" from 6860' to 6965'
2/16	Ran 7", 23# and 26#, J-55 and N-80 casing to 6965' and cemented with 600 sacks slow cement. Plug hit at 700#, built up to 900#.
2/20	Found hard cement at 6840' and drilled cement out to 6933'.
2/21	Shot 4 one-half inch holes from 6900'-6899' with Lane Wells gun perforator. Ran Acme formation tester on 3-1/2" drill pipe with 500' of fresh water cushion. Set packer at 6877' with tailpiece at 6893'. Tool opened at 9:35 A.M. and open for one hour. There was a light steady blow to dead after 3-1/2 minutes and no blow thereafter. A net use of 105' of medium drilling fluid was recovered in the drill pipe. Water Shut Off was approved.
2/22	Drilled out cement from 6933' to shoe at 6965' and cleaned out 8-1/2" hole to 7019' with 6-1/8" bit.
2/23	Changed from clay base to 100% oil base mud.
2/23-27	Drilled 6-1/8" hole from 7019' to 7145', coring the following intervals: 7081'-7088' and 7108'-7145'.
2/27	Ran Schlumberger electric log from 7141' to 7013'.
2/28	Ran Acme formation tester on 3-1/2" drill pipe. Set packer at 6875' with tailpiece at 6891'. Opened tool at 1:30 A.M.-- immediate strong blow-- gas to surface in 15 minutes-- fluid to surface in 33 minutes. Built up tubing pressure of 550# on 24/64 bean. Flowed well 45 minutes into sump-- no gauged rate. Shut in pressure of 2500# recorded on pressure bomb chart. Oil was 31.1° to 32.8° with 0.1% cut.
2/28-3/6	Drilled 6-1/8" hole from 7145' to 7283', coring the following intervals: 7199'-7206' and 7224'-7283'.
3/3	Ran Schlumberger electric log from 7220' to 7141'

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FORM 103. 62984 9-46 47,500
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" 5, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed C. G. Willis

Date April 15, 1949 Title C. G. Willis, Agent
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	
1949	
3/6	Ran Schlumberger electric log from 7278' to 7220'
3/7	Set 361' (including 3' Burns lead seal hanger) of 5", 16#, J-55 liner at 7282' with top of liner hanger at 6921'. Perforated from 7282' to 6984' with 6 rows of 2" x 80-mesh slots on 6" centers
3/8	Ran 220 joints of 2-1/2" tubing with Olympic packer (30"stroke) hanging at 6875'. At 9:15 P.M., after 4 trips with swab well started flowing.
3/9	Initial production: 286 barrels net 32.5° oil cutting 0.1% on 23/64" bean making approximately 275 M.C.F. gas with tubing pressure of 250#.
4/9	Production after one month: 158 bbl. net, 33.0° oil cutting 0.1% on 32/64" bean making approximately 150 M.C.F. gas with tubing pressure of 50#.

FORM 109-A (10-48)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-49378

Los Angeles 15, Calif. February 24, 1949

Mr. C. G. Willis
Los Angeles 13, Calif.

Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your well No. "Ferguson" 5, Sec. 36, T. 4 N., R. 17 W., S.B. B & M. Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on February 21, 1949. Mr. J. L. White, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present R. Ballantyne, Engineer; C. Winslow, Superintendent.

Shut-off data: 7 in. 23 & 26 lb. casing was cemented xxxx at 6965 ft. on February 16, 1949 in 11 in. hole with 600 sacks of cement xxxx of which 23 sacks was left in casing.

Casing record of well: 13-3/8" cem. 442'; 7" cem. 6965'; four 1/2" test holes 6900', W.S.O.

Present depth 7019 ft. Bridged with cement from 6965 ft. to 6933 ft. Cleaned out to 6933 ft. for test. A pressure of xxx lb. was applied to the inside of casing for xxx min. without loss after cleaning out to xxx ft. An Acme tester was run into the hole on 3-1/2 in. drill pipe-~~tubing~~ with 500 ft. of water-~~xxx~~cushion, and packer set at 6877 ft. with tailpiece to 6893 ft. Tester valve, with 5/8 in. bean, was opened at 9:35 a.m. and remained open for 1 hr. and xxx min. During this interval there was a light, steady blow for 3-1/2 min., and no blow thereafter.

THE INSPECTOR ARRIVED AT THE WELL AT 1:30 P. M. AND MR. BALLANTYNE REPORTED:

1. An 11" rotary hole was drilled from 442' to 6970'; an 8-1/2" rotary hole, 6970'-7019'.
2. Electrical core readings showed the top of the 2nd zone at 6985'.
3. Cement was drilled out of the 7" casing from 6840' to 6933' (equivalent to 17 sacks), and the casing was cleaned out to 6933'.
4. The 7" casing was shot-perforated with four 1/2" holes at 6900' for this test.
5. An Acme tester was run as noted above.

THE INSPECTOR NOTED:

1. When the drill pipe was removed, 105' (net) of medium drilling fluid was found in the drill pipe above the tester, equivalent to 0.8 bbl.
2. The recording pressure bomb chart showed that the tester valve was open 1 hr.

The test was completed at 4:15 p.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 6900' IS APPROVED.

JLW:OH
gma/R

cc- Company

R. D. BUSH, State Oil and Gas Supervisor

By E H Musser, Deputy
Ma

98241 10-48 25M SPO

13

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FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-49220

Los Angeles 15, Calif. January 18, 1949

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Operations at your well No. "Ferguson" 5 Sec. 36, T. 4 N., R. 17 W., S. B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by N. N. Sampson, Inspector, representative of the supervisor, on January 4, 1949. There was also present R. A. Lewis, drilling foreman W. W. Stueger, driller

Casing Record	Junk
20" cem. 17'; 13-3/8" cem. 442'; T.D. 4520'	None

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 11:30 p.m. and Mr. Lewis reported:

1. A 17" rotary hole was drilled from 17' to 442'.
2. On December 9, 1948, 13-3/8" 54 lb. casing was cemented at 442' with 370 sacks of cement.
3. Cement returned to the surface.
4. An 11" rotary hole was drilled from 442' to 4520'.

THE INSPECTOR NOTED that the well was equipped with the following blowout prevention equipment:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 2" mud fill-up line, with a 2" high pressure stopcock, into the 13-3/8" casing, below the above equipment.

The inspection was completed at 11:55 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

cc - Company

CB/S

NNS:ES

R. D. BUSH
State Oil and Gas Supervisor
By E. H. Wiesser Deputy

86681 2-48 16,250 SPO

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FORM 111.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-45964

Los Angeles 15, Calif. November 30, 19 48

MR. C. G. Willis

Los Angeles 13, Calif.

Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your proposal to drill Well No. "Ferguson" 5,

Section 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County,

dated Nov. 19, 19 48, received Nov. 23, 19 48, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 2906' feet S. and 1612' feet E. from North corner of easternmost line of Lot 10, measured parallel and normal to said line. 1290' S'ly and 1612' E'ly fr. NW Cor Ferg. L.
Elevation of ground above sea level 1562 feet.
All depth measurements taken from top of Kelly bushing, which is _____ feet above ground.
We estimate that the first productive oil or gas sand should be encountered at a depth of about 6900 feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
13-3/8"	47#	J-55	400'	Cemented
7"	23# and 26#	N-80	6900'	Cemented
5"	17.93#	J-55	6900-7300'	Landed

Well is to be drilled with rotary tools.
It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT

1. Mud fluid consistent with good drilling practice shall be used and the column of mud flui maintained at all times to the surface, particularly while pulling the drill pipe.
2. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
3. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possibl
4. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS
   (a) To inspect the installed blowout prevention equipment before drilling below 1000'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

cc - Company

12/10/48

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Nussen Deputy

CLB:ES

Bond No. 129115

15

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FORM 105.
CALIFORNIA STATE PRINTING OFFICE

DIVISION OF OIL AND GAS
RECEIVED
NOV 2 [illegible]
LOS ANGELES, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

037-12607

Notice of Intention to Drill New Well 9

This notice must be given and surety bond filed before drilling begins

Los Angeles, Calif. November 19, 1948

DIVISION OF OIL AND GAS
1015 West Olympic Boulevard
Los Angeles (15), 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. "Ferguson" #5, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

Legal description of lease (See attached plat)

The well is 2906' feet ~~N. or S.~~ S., and 1612' feet E. of ~~W.~~ from (North corner of easternmost line of (Lot 10, measured parallel and normal to said line.
(Give location in distance from section corners or other corners of legal subdivision)

Elevation of ground above sea level 1562 feet.

All depth measurements taken from top of Kelly bushing, which is [illegible] feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 6900 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"	47#	J-55	400'	Cemented
7"	23# and 26#	N-80	6900'	Cemented
5"	17.93#	J-55	~~6900-~~ 7300'	Landed

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A	BWB		129115		

Well is to be drilled with ~~cable~~ rotary tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

750 Subway Terminal Building
417 South Hill Street
Address Los Angeles (13), California

GENERAL EXPLORATION COMPANY OF CALIFORNIA
(Name of Operator)

Telephone number MU-2156

By C. G. Willis
C. G. Willis, Agent

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

1210 S; 1625' W N.W. Cor Ferguson Lease

'6

3

FLUID LEVEL SURVEYS

Field: Newhall-Potrero
Inspector: Bruce H. Hesson
Date: August 23, 1991

WELL		Pressure	FLUID LEVEL (fbgl)
"Fergeson"	2	12	6541
"	4	230	4898
"	6	30	7595
"	7	175	7440
"	9	(Well is buried - to be tested later)	
"RSF"	24	15	5456
"	25	vac.	6076
"	31	40	5301
"	36	20	5332
"	47	vac.	4991
"	50	1	4898
"	51	4	3534
"	52	vac.	3503
"	124	17	4681
"	132	15	4371

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by: Oryx Energy Company

Confirmed by: Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address: P.O. Box 55060, Valencia, Ca. 91355	Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

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FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: **Newhall-Potrero** District: **1**

Former Owner: **General Exploration Co. of Calif.** Date: **March 3, 1965**

Description of Property: **Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.**
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:

"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: **January 1, 1965**
New Owner: **SUNRAY DX OIL COMPANY**
Address: **23928 Lyons Ave., Newhall, Calif.**

Telephone No. **259-2440**

Type of Organization: **Corporation**
Reported by: **General Exploration Co. of Calif. on Dec. 1965 Production Report**
Confirmed by: **Sunray DX Oil Co. in letter dated 3-1-65**
New Operator New Status **PA** , Old Operator New Status **PA**
Request designation of agent **No**

Remarks:

cc **E. R. Murray-Aaron**
Production Dept.
Conservation Comm.

Wm. C. Bacha
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M ⓟ SPO

4

SUBMIT LOG IN DUPLICATE

FILL THE BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 6 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Location 3258' S. and 2189' E. from N. corner of easternmost line of Lot 10, measured parallel and normal to said line. Elevation above sea level 1535' feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

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 October 5, 1949 Signed Thomas H. Work

R. S. Ballantyne, Jr. (Engineer or Geologist) C. C. Winslow (Superintendent) Title Thomas H. Work, Secy. (President, Secretary or Agent)

Commenced drilling 6/19/49 Completed drilling 9/1/49 Drilling tools Rotary

Total depth 7295' Plugged depth --

Junk None

GEOLOGICAL MARKERS	DEPTH
Top second zone	6998'

Commenced producing 9/5/49 (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	551	33.1°	0.5	300 (est).	320	0
Production after 30 days	418	34.0	0.1	250 (est).	130-250	0

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 Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
13-3/8"	455'	0'	54#	New	Seamless	J-55	17-1/2"	350	
7"	6990'	6815'	26#)						
7"	6815'	50'	23#)	New	Seamless	N-80	11"	650	
7"	50'	0'	26#)						
5"	7290'	6944'	18#	New	Seamless	J-55	6-1/8"	Landed	

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
7"	6978 ft.	6977 ft.	1/2" hole	1	3"	Johnston gun
5"	7290 ft.	7005 ft.	2"x80 mesh	6	6"	Machine slotted
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 455' - 7290' (Attach Copy of Log)

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FORM 103
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOS ANGELES CALIFORNIA

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" 6, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed Thomas H. Work

Date September 12, 1949 Title Thomas H. Work, Secy.
(President, Secretary or Agent)

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	
1949	
6/19-22	Spudded and drilled 17-1/2" hole from surface to 455'.
6/22	Ran 13-3/8", 54#, J-55 casing to 455' and cemented with 350 sacks of construction cement.
/23-8/17	Drilled 11" hole from 455' to 7031'. Cored the interval from 7013' to 7031'.
8/17	Ran Schlumberger electric log from 455' to 7031'.
/18-19	Ran 7", 23# and 26#, N-80 casing to 6990' and cemented with 650 sacks oil well slow cement. Displaced cement with 1520 cubic feet of drilling fluid. Plugs apparently hit at displacement pressure of 1000# and built up to 1100#. Depths for various weights of casing as follows: 26# from 6990' to 6815'; 23# from 6815' to 50'; and 26# from 50' to surface.
/22-23	Found top of set cement at 6802'. Drilled cement out to 6980'. Ran Johnston combination gun and tester on 3-1/2" drill pipe with 500' of fresh water cushion. Shot four 1/2" holes from 6978' to 6977'. Set packer at 6954' with tailpiece at 6976'. Valve open from 2:15 to 3:15 A.M. Initial medium flow decreasing to dead after 3-1 minutes. There was no blow for the remainder of the test. Recovered a net rise of 30' of light drilling fluid. Water Shut-Off approved by Division of Oil and Gas.
/	Drilled cement out from 6980' to 7" shoe at 6990' and cleaned out to 7031'. Changed over to oil base mud.
/ -9/1	Drilled 6-1/8" hole from 7031' to 7295'. The following intervals were cored: 7081'-7096', 7165'-7185', and 7257'-7275'.
/1-2	Ran Schlumberger electric log from 6990' to 7290'. Shot the following open hole intervals on approximately 12" spacing with Byron-Jackson stratajet: 7270'-7230' (35 shots), 7141'-7135' (7 shots). After shooting the interval 7270' to 7230' the hole bridged at 7190' and after shooting the interval 7141' to 7135' the hole bridged at 6992'. Ran in with drill pipe and cleaned out bridges from 6992' to 7002' and 7190' to 7205', cleaned out to 7290' and conditioned mud. Shot the interval from 7134' to 7120' (14 shots) with Byron-Jackson stratajet. The hole bridged once more at 6990'.
/3-4	Ran in with drill pipe, cleaned out bridge from 6990' to 7000', cleaned out to 7290' and conditioned hole. Ran 346' of 5", 18#, J-55 liner (including Burns lead seal liner hanger) on 3-1/2" drill pipe. Landed liner at 7290' with top of hanger at 6944'. Liner perforated from 7290' to 7005' with 2"x80 mesh slots on 6" centers in 6 rows.
/5	Ran Olympic production packer on 2-1/2" tubing with 2-1/2"x2" swage nipple tail. Set packer at 6900' (6911' K.B.). Opened dump in packer and circulated oil lease mud out with oil and closed dump. Swabbed well from 8:30 P.M. to 10:20 P.M. when well started to flow.

FORM 103
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

OCT 19 ...
LOS ANGELES CALIFORNIA

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" #6, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed .....

Date September 12, 1949 Title Thomas H. Work, Secy.
(President, Secretary or Agent)

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	
9/6/49	Produced at a daily rate of 996 barrels net oil on 36/64" bean with 270# on tubing for the first 8 hours on a 36/64" bean after which time the well was beaned back to a 25/64" choke.
9/7	536 barrels net, 33.1°, 0.3%, 300 M.C.F. (estimated), 320#/0#, 25/64" bean.

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FORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 6 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					Mercury Conventional 8-1/2" bbl.
7013'	7031'			9.0'	CORE #1
		3.8'			Oil conglomeratic very firm and firm-hard, fairly easily friable. Pebbles up to 3/ fine matrix. Light slightly brown-gray, good light oil odors, dark straw to ligh mahogany cuts. Good clean bright yellow gold fluorescence. Bottom contact dips 63°.
		1.7'			1/8" to 1/4" shale parting. Oil sand firm-hard, barely friable, fine light brown-gray. Amber cuts, good yell gold fluorescence with several thin s and streaks of shale, silty material and occasional conglomeratic lenses. Beddin irregular with generalized dips as follo 60°, 57°, curved 55°-39°, and irregular 32° dip on bottom. Several bedding-plan slickensides on shale partings.
		.2'			Conglomeratic as above (shelly).
		.8'			Shale hard gray-brown, bottom 1/2 well lam nated with fine sandy and silty material 20°-24° dips.
		2.3'			Oil sand firm-hard and hard, somewhat to barely friable, fine fairly well-sorted, light slightly brown-gray, good odor, light amber cuts, good yellow gold fluor escence. Contains six to seven 1/2" to 1-1/2" streaks shale and fine silty material. Dips 25°-28°.
		.2'			Shale hard gray-brown with several thin fi white sand laminae questionable 43° dip.
		9.0'			
					Cores #2 - 4 taken with oil-base mud. All permeable sands show 100% oil penetratio hence no cuts, odors, or fluorescence are given.

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FORM 101
CALIFORNIA STATE PRINTING OFFICE

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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 6 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					Mercury Conventional 6-1/8" Core Bbl.
7081'	7096'			1.3'	CORE #2
		.8'			Shelly oil conglomeratic hard somewhat friable, pebbles up to 1/2", fine and medium matrix. Bottom .2' contains granitic pebbles up to 1-1/4".
		.3'			Shale hard medium brown-gray with light gr sand streaks.
		.2'			Oil conglomeratic as above.
		1.3'			
7165'	7185'			1.8'	CORE #3
		1.4'			Shale hard medium dead gray silty with two 1" to 1-1/2" oil sand medium fine poorly sorted. Indication of dips as follows: 32°, 30°, 30°, 31°.
		.4'			Oil sand as above.
		1.8'			
7257'	7275'			12.4'	CORE #4
		.9'			Oil sand, very firm, friable fine matrix with considerable coarse sand grains up to 1/8".
		.6'			Shell, very hard medium fine poorly sorted light gray sandstone.
		5.2'			Oil sand firm fine and medium fine poorly sorted, fairly easily friable, locally barely friable.
		3.9'			Oil sand, finely conglomeratic, firm, easil friable, pebbles up to 3/16", fine matrix 1/4" shale streak at 3.5', 32° dip.
		.9'			Shale silty with several fine sandy and sil streaks. Dips 25°-28°.
		.7'			Oil sand as first described above, with 1" shale streak in middle.
		.2'			Shale.
		12.4'			

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FORM 109-A (10-48)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T1-50168

Los Angeles 15, Calif. August 26, 1949

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your well No. "Ferguson" 6, Sec. 36, T. 4 N., R. 17 W., S. B. B & M.
Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on August 23, 1949. Mr. Paul Betts, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present R. Ballantine, Engineer; E. J. Hopkins, Drilling Foreman.

Shut-off data: 7 in. 23 & 26 lb. casing was cemented xxx at 6990 ft. on August 19, 1949 in 11 in. hole with 650 sacks of cement xxx of which 35 sacks was left in casing.

Casing record of well: 13-3/8" cem. 445'; 7" cem. 6990'; 4, 1/2" test holes at 6977', W.S.O.

Present depth 7031 ft. Bridged with cement from 6990 ft. to 6980 ft. Cleaned out to 6980 ft. for test. A pressure of 1000 lb. was applied to the inside of casing for 30 min. without loss after cleaning out to 6802 ft. A Johnston gun and tester was run into the hole on 3-1/2 in. drill pipe-~~xxxx~~ with 500 ft. of water-mud cushion, and packer set at 6954 ft. with tailpiece to 6976 ft. Tester valve, with 3/8 in. bean, was opened at 2:15 a.m. and remained open for 1 hr. and xxx min. During this interval there was a medium blow for 3 minutes and no blow thereafter.

THE INSPECTOR ARRIVED AT THE WELL AT 6:00 A.M. AND MR. BALLANTINE REPORTED THE FOLLOWING:
1. An 11" rotary hole was drilled from 445' to 7031'.
2. The 7" casing was shot-perforated with 4, 1/2" holes at 6977' for this test.

THE INSPECTOR NOTED THE FOLLOWING:
1. When the drill pipe was removed, there was a net rise of 30' of light drilling fluid in the drill pipe above the tester, equivalent to 0.2 bbl.
2. The recording pressure bomb chart showed that the tester valve was open 1 hour.

The test was completed at 7:15 a.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 6977' IS APPROVED.

cc - Company

PB:ES

R. D. BUSH, State Oil and Gas Supervisor
By E. H. Musser, Deputy

98241 10-48 25M SPO

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FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-49976

Los Angeles 15, Calif. July 1, 1949

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

121

DEAR SIR:

Operations at your well No. "Ferguson" 6 Sec. 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by N. N. Sampson, Inspector, representative of the supervisor, on June 24, 1949. There was also present H. E. Silas, Driller; H. A. Jennings, Helper.

Casing Record 13-3/8" cem. 445'. T.D. 950'. | Junk None

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 12:30 p.m. and Mr. Silas reported:

1. A 17-1/2" rotary hole was drilled from the surface to 445'.
2. On June 22, 1949, 13-3/8", 54.5 lb. casing was cemented at 445' with 350 sacks of ceme
3. Cement returned to the surface.
4. An 11" rotary hole was drilled from 445' to 950'.

THE INSPECTOR NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole, and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 2" mud fill-up line with a 2" high pressure stopcock into the 13-3/8" casing below the above equipment.

The inspection was completed at 1:00 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

NNS:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Nusser Deputy

86681 2-48 16,250 ② SPO

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FORM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 1-46831

Los Angeles 15, Calif. May 26, 1949

Mr. C. G. Willis

Los Angeles 13, Calif.

Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

Dear Sir:

Your proposal to drill Well No. "Ferguson" 6,
Section 36, T. 4 N., R 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County,
dated May 16, 1949, received May 19, 1949, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 3258 feet S. and 2189 feet E. from North corner of eastermost line of Lot 10, measured parallel and normal to said line.
Elevation of ground above sea level 1531 feet.
All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.
We estimate that the first productive oil or gas sand should be encountered at a depth of about 6900 feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
11-3/4"	53#	J-55	400'	Cemented
7"	23 and 26#	N-80	6900'	Cemented
5"	18#	J-55	6900'-7300'	Landed

Well is to be drilled with rotary tools.
It is understood that if changes in this plan become necessary we are to notify you before cementing or landing 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 pipe.
2. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
3. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.
4. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 1000'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

CLB:OH

M.O.R

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By A. H. Mussen Deputy

2402 1-49 36,500 SPO

Bond No. 201062

FORM 105
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

037-12608

Notice of Intention to Drill New Well 9

This notice must be given and surety bond filed before drilling begins

Los Angeles, Calif. May 16, 1949

DIVISION OF OIL AND GAS
1015 East Olympic Boulevard
Los Angeles 15, 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. "Ferguson" 6, Sec. 36, T. 4-N JLW R. 17-W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

Legal description of lease (See plat attached to Notice of Intention to Drill "Ferguson" 5)

The well is 3258 feet ~~N.~~ ~~or~~ S., and 2189 feet E. ~~or W.~~ from North corner of easternmost line of Lot 10, measured parallel and normal to said line.
(Give location in distance from section corners or other corners of legal subdivision)

Elevation of ground above sea level 1531 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 6900 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
11-3/4 "	53 #	J-55	400'	Cemented
7"	23 and 26 #	N-80	6900'	Cemented
5 "	18 #	J-55	6900'-7300'	Landed

Well is to be drilled with rotary ~~xxxxxx~~ tools.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A JLW	JLW				

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address 750 Subway Terminal Building
417 South Hill Street
Los Angeles 13, California

Telephone number MUtual 2156

GENERAL EXPLORATION COMPANY OF CALIFORNIA
(Name of Operator)

By C. G. Willis
C. G. Willis, President

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

Approx 1638' S 2190 [illegible]

'3

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-[illegible]	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, assignment, veyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
A[illegible] – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address: P.O. Box 55060, Valencia, Ca. 91355	Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

2

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FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: **Newhall-Potrero** District: **1**

Former Owner: **General Exploration Co. of Calif.** Date: **March 3, 1965**

Description of Property: **Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.**
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: **January 1, 1965**
New Owner: **SUNRAY DX OIL COMPANY**
Address: **23928 Lyons Ave., Newhall, Calif.**

Telephone No.: **259-2440**

Type of Organization: **Corporation**
Reported by: **General Exploration Co. of Calif. on Dec. 1964 Production Report**
Confirmed by: **Sunray DX Oil Co. in letter dated 3-1-65**
New Operator New Status **PA** , Old Operator New Status **PA**
Request designation of agent **No**

Remarks:

cc **E. R. Murray-Aaron**
Production Dept.
Conservation Comm.

Wm. C. Bach
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-65 5M ② SPO

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SUBMIT LOG IN DUPLICATE

FILL [redacted] BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF [redacted] ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
MAY 23 1952
LOS ANGELES

WELL SUMMARY REPORT

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 10 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Location (710' southerly and 400' easterly from corner XIII measured parallel with (and normal to westerly boundary of (lease.

Elevation above sea level 1484 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

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 4/2/52

Signed R. S. Ballantyne, Jr.

R. S. Ballantyne, Jr. (Engineer or Geologist) C. C. Winslow (Superintendent)

Title Engineer. (President, Secretary or Agent)

Commenced drilling 9/30/51 Completed drilling 2/20/52 Drilling tools ~~Cable~~ Rotary

Total depth 10,259' Plugged depth 9,810'

Junk Aluminum strata jet carriers (Byron-Jackson) packed from 9810' to 9820'.

GEOLOGICAL MARKERS	DEPTH
Top of 2nd zone	7860'
Top of 5th zone (main)	9250'

Commenced producing 3/23/52 (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	61	31.1	0.1	19	25#	25#
Production after 10 ~~30~~ days	54	30.2	0.1	31	25#	25#

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 Drilled	Number of Sacks of Cement	Depth of Cementing if through perforation
1-3/4"	447'	0'	47#	New	Seamless	J-55	17"	320	
	(1089'	0	29	"	"	N-80)			
	(1395'	1089	26	"	"	N-80)			
	(4683'	1395	26	"	"	J-55)			
7"	(6271'	4683	23	"	"	N-80)	10-5/8"	600	
	(8364'	6271	26	"	"	N-80)			
	(9196'	8364	29	"	"	N-80)			
5"	9810'	9184	17.93	"	"	J-55	6-1/8"	Landed	

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
7"	9149 ft.	9179 ft.	1/2" bullets	1	3"	Gun
5"	9242 ft.	9810 ft.	1/4" round holes	10	3"	Machine
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

4 Electrical Log Depths 447' - 10,236' (Attach Copy of Log) 7

DIVISION OF OIL & GAS
RECEIVED
MAY 2 1952
LOS ANGELES

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

Newhall-Potrero

"Ferguson" 10 | 36 | 4-N | 17-W | S.B.

R S Ballantyne Jr

4/2/52

Engineer.

1951

9/30-10/1 Spudded and drilled 10-5/8" hole from surface to 440'.

10/2 Opened 10-5/8" hole to 17" from surface to 440' and drilled 17" hole to 447'. Ran 11-3/4", 47#, J-55 casing to 447' and cemented with 320 sacks of construction cement. Cement returned to the surface.

10/4-19 Drilled 10-5/8" hole from 447' to 4324'.

10/19-24 Backed bit off at 2080' coming out of hole. Left bit Totco instrument in hole. Recovered Totco instrument. Attempted to break up fish with bottom hole shots at 2431' and 4323'. Could not recover fish nor mill it up.

10/24 Set 55 sack concrete plug (45 sacks construction cement and 10 sacks sand) through 4-1/2" drill pipe hanging at 4324'.

10/25-28 Found top of plug at 4249' and drilled it out to 4275'. Set whipstocks at 4275', 429[illegible] 4302', and 4325' (on top of junk). Could not sidetrack original hole.

10/29-11/2 Drilled 10-5/8" hole from 4325' to 4351' while alternately drilling on junk and fishing with junk baskets-- recovered fish.

11/3-22 Drilled 10-5/8" hole from 4351' to 6283'.

11/22-24 Stuck drill pipe at 2495' while coming out of hole. Could not work loose while spotting 225 bbl. oil in three intervals. Backed off on top of bit sub.

11/24-30 Jarred and washed over but could not recover fish. Fish dropped to 6008'.

12/1 Recovered fish.

12/2/51 to 1/9/52 Drilled 10-5/8" hole from 6283' to 9196'.

The intervals 9012-9024', 9156-9167', and 9177-9185' were cored with Mercury 10-5/8" conventional core barrel.

1952

1/7 Ran Schlumberger electric log from 447' to 9157'.

1/9 Ran Schlumberger electric log from 9157' to 9195'.

1/9-10 Ran 7" casing to 9196' and cemented with 600 sacks construction cement. Cement was displaced with 1968 cu. ft. drilling fluid when plug hit and pressure built up from 500# to 900#-- 3 cu. ft. returned when pressure was bled back to 300#-- final displacement 1965 cu. ft. (1964 cu. ft. estimated) casing detail follows (top to bottom):

1089' (25 joints)	29#, N-80, L.T.& C.	(0'-1089')
306' (7 ")	26#, " "	(1089'-1395')
3288' (77 ")	26#, J-55, Speedtite	(1395'-4683')
1588' (37 ")	23#, N-80, L.T.& C.	(4683'-6271')
2093' (48 ")	26#, N-80 "	(6271'-8364')
832' (19 ")	29#, N-80 "	(8364'-9196')

DIVISION OF OIL & GAS
RECEIVED
MAY 2 1952
LOS ANGELES

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

Newhall-Potrero

Well No. "Ferguson" 10 Sec. 36, Twp. 4-N., Range 17-W., S.B.B.& M.

1952

1/14 Found top of cement just above float collar baffle at 9150'. Found shoe of casing at 9196' with 3-1/2" drill pipe. Drilled 6-1/8" hole from 9196' to 9200'.

1/15 Ran Johnston formation tester on 3-1/2" drill pipe with 2000' of fresh water cushion. Set packer at 9158' with tail piece at 9176'. Tester valve with 3/8" bean was opened at 3:50 A.M. and remained open one hour and thirteen minutes. During this period there was a light steady blow for 2 minutes and no blow thereafter. There was recovered a net rise of 20' of light drilling fluid. Water Shut-Off approved (V.F.Goode).

1/15-17 Operations suspended due to weather conditions.

1/18 Changed over drilling fluid from clay base to oil base.

1/18-2/20 Drilled 6-1/8" hole from 9200' to 10259' (T.D.) The intervals listed below were cored with Mercury 6-3/32" diamond core barrel.

9305-9421', 9437-9816', 9893-10,005',
10098-10117', 10147-10180', 10224-10,259'

2/21 Ran Schlumberger electric log from 9196' to 10,236'.

2/21-26 Ran Byron-Jackson strata jet with 1' spacing and shot the intervals as follows (bottom to top):

9770-9728', 9705-9649', 9571'-9515',
9494-9441', 9318-9262', 9438- 9382', and
9378-9322'.

A total of 375 charges were fired using 8 carriers. After firing each carrier, the shale in the interval from 9240' to 9260' bridged, necessitating a round trip and clean out between firings. The first three clean-out runs found the hole clear to 9900' except for minor bridging in interval described above. The next run found a bridge at 9705' which was cleaned out and another at 9820' which took over 20,000# weight. Thereafter, clean-out runs found cavings and carrier junk (aluminum) which was pushed to bottom and cleaned out successively to 9820', 9820', 9806', 9810', and 9810'.

2/27 Ran total of 626' (including liner hanger) of 5", 17.93#, J-55 liner on 3-1/2" drill pipe and landed at 9810'— hanger set at 9184'. The interval 9242-9810' (568') was machine perforated with 1/4" round holes in 10 rows on 3" centers.

2/28 Ran and landed 9128' of 2-1/2" tubing on production packer set at 9125'.

2/29 Displaced drilling fluid with oil through ports in packer— closed ports.

2/29-3/3 Swabbed estimated total of 276 bbl. clean 31° oil. Final fluid level at 8000' while swabbing from 8700'. Well would not flow.

3/3-12 Moved out drilling rig.

3/13 Rigged up production unit. Found fluid at 1332'. Well started to flow— produced 74 bbls.

3/14-18 Found fluid level at 2300'. Swabbed down to 4200'. Punched holes at 9113' (Western Pressure Control-piano wire operated device). Swabbed down to 8000'.

3/18-20 Unset packer. Pulled tubing. Ran feeler made up of 62' of 2-1/2" tubing on sand line to 9810'. Ran Byron-Jackson gun perforator and shot 120 bullets over the interval 9149' to 9179' (1/2" bullets, 3" spacing). Ran 2-1/2" tubing to 7218' (includes 32' gas anchor and 6' Byron-Jackson tubing catcher set 10 stands off bottom). Ran 3/4" rods and spaced pump. Moved out production unit.

3/22 On production 9 hrs.— pumped 74 bbls. oil.

3/23 Pumped 61 bbls., 31.1°, 0.1%, 19 M.C.F. 25#/25#

4/1 Pumped 54 bbls., 30.2°, 0.1%, 31 M.C.F. 25#/25#

- - - - -

FORM 159 (9-49)

(5)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Inglewood, California

February 25 1959

Mr. Richard A Flohr
2080 Obispo Avenue
Long Beach 4 California
Agent for SHELL OIL COMPANY

DEAR SIR:

Your report of abandonment of Well No. "Shell Ferguson" 1-7, Sec. 36, T. 4 N, R. 17 W, S B B. & M., Newhall-Potrero field, Los Angeles County, dated February 12, 1959, 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 BOOK	CARD	BOND	FORMS 114	FORMS 121
18 A R J 1-26	R J				E B

orig Jack Fillman
cc E H Musser
W F Bates

es

E. H. MUSSER
State Oil and Gas Supervisor

By _____
Deputy Supervisor

2

84442 9-58 10M SPO

8

Form 10

CLERK

Date Received 2-24-59 Form 100 ✓ 101 ___ 103 ___

Elec. Log 1107-11652 (2) Radio Log ___

Direct. Surv. Surf. 11648 (2) Other Data sidewall core record, Core rec Drilling report, Ditch samples

Location ___

___

Notice to drill shows Elevation o/gr 1625±, d/f 10± above gr Clerk Scott

Prod. Repts. ___ Clerk ___

ENGINEER

BOND Blanket 1-28-59 Release ___ Date Elig. ___ 150b ___

End Prem. Year ___ Release Requested ___ Superseded ___

Aband. ___

HOLD BOND ___ Reason ___

___

Data Needed ___

___ Final letter ✓ Eng. 10/8

RECEIPT FOR

✓ New Well Records

___ Subsequent Work

Well Summary (100) ✓

Drillers Log (101) ___

Core Record (101) ✓

History (103) ✓

Elec. Log ✓

Other SW samples + ditch samples Directional Survey

Redrill ___

Deepen ___

Plug ___

Alter Csg. ___

Abandon ✓

3

64

36-4-17

DIVISION OF OIL AND GAS
RECEIVED
FEB 24 1959
INGLEWOOD, CALIFORNIA

SHELL OIL COMPANY
196 SOUTH FIR STREET
VENTURA, CALIFORNIA

TRANSMITTAL TO: Division of Oil and Gas
830 No. La Brea
Inglewood 3, California

DATE: February 19, 1959

NAME OF WELL: Ferguson 1-7

WELL DATA AS INDICATED BELOW:

No. Copies		No. Copies	
2 ✓	Electric Log 1" = 50'	✓ 2	Drilling Reports
	Electric Log Balloon	✓ 2	Completion Reports (Form 100)
	Mud and Lithology Log	✓ 2	Core Records
	Dipmeter Results	✓ 2	Sidewall Samples
	Gamma Ray-Neutron	✓ 2	Ditch Sample Record
	Induction Log		
	Microlog		
✓ 2	Survey and Calculations		

Yours very truly,

for J. M. Fillman
Division Exploitation Engineer
Coastal Division

PC:

Enclosures

4

68

FORM 100
CALIFORNIA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

DIVISION OF OIL AND GAS
RECEIVED
FEB 24 1959
INGLEWOOD, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator Shell Oil Company Field East Ventura Basin, Newhall-Potrero Extension

Shell

Well No. Ferguson 1-7 Sec. 36, T. 4 N., R. 17 W., S.B. B. & M.

Location 1202' South and 2510' East from Corner 13, Ferguson Lease

Elevation of ground above sea level 1609.1 feet.

All depth measurements taken from top of derrick floor, which is 11.1 feet above ground.

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 February 12, 1959

Signed J. M. Pellman

Title Division Exploitation Engineer

(Engineer or Geologist) (Superintendent) (President, ~~Secretary~~ or Agent)

Commenced drilling 10-23-58 Completed drilling 1-24-59 Drilling tools ~~Cable~~ Rotary

Total depth 11,648' Plugged depth

GEOLOGICAL MARKERS	DEPTH
Upper Miocene	T.D.

Plugs: 11500'/11200'+
1650'/1390'
1150'/946'
10' surface plug and welded steel plate over 11-3/4" casing

Commenced producing Abandoned 1-28-59 (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						
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 Drilled	Number of Sacks of Cement	Depth of Cement if through perforati
11-3/4"	1111'	Surface	42#	New	Seamless	H-40	17"	1154	-

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.	Abandonment work completed 1-28-59			
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

5

Electrical Log Depths 1111 to 11648', 11403' (Attach Copy of Log)

9

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 159-86

Mr. Richard A Flohr
2080 Obispo Avenue
Long Beach 4 California

Inglewood 3 Calif.
February 5, 1959

Agent for SHELL OIL COMPANY

DEAR SIR:

Operations at your well No. "Shell Ferguson" 1-7, Sec. 36, T. 4 N, R 17 W, S B B & M. Newhall-Potrero Field, in Los Angeles County, were witnessed on January 28, 1959. Mr. W. Hunter, Engineer, representative of the supervisor was present from 9:00 to 9:20 a.m. There were also present M. Crisman, Drilling Foreman, D. Morteson, Driller.

Present condition of well: 11-3/4" cem. 1111'. T.D. 11,648', plugged with cement 11,500'-10,500'±, 1650'-1390', 1150'-946'.

The operations were performed for the purpose of witnessing the plugging operations in the process of abandonment.

Mr. xxxxxxxx reported:

MR. W. HUNTER, ENGINEER, WAS PRESENT AT THE WELL FROM 9:30 - 10:00 A.M., JANUARY 28, 1959, AND MR. CRISMAN REPORTED:

1. A 9-7/8" hole was drilled from 1111' to 11,648'.
2. On January 27, 1959, 450 sacks of cement (calculated to fill to 10,500') was pumped into the hole through 5" drill pipe hanging at 11,500'.
3. On January 28, 1959, 350 sacks of cement was pumped into the hole through 5" drill pipe hanging at 1650'.

THE ENGINEER NOTED THAT the cement plug at the reported depth of 1390' supported five points of the weight of the drill pipe.

On January 28, 1959, Mr. Hanson of Shell Oil Company reported by telephone that on January 28, 1959, 200 sacks of cement, (filling to 946') was pumped into the hole through 5" drill pipe hanging at 1150'.

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

WH:OH

cc Mr W F Bates, Production Dept
Shell Oil Company
1008 West 6th Street
LOS ANGELES 54

Orig. Mr Jack Fillman
P O Box 691
Ventura California

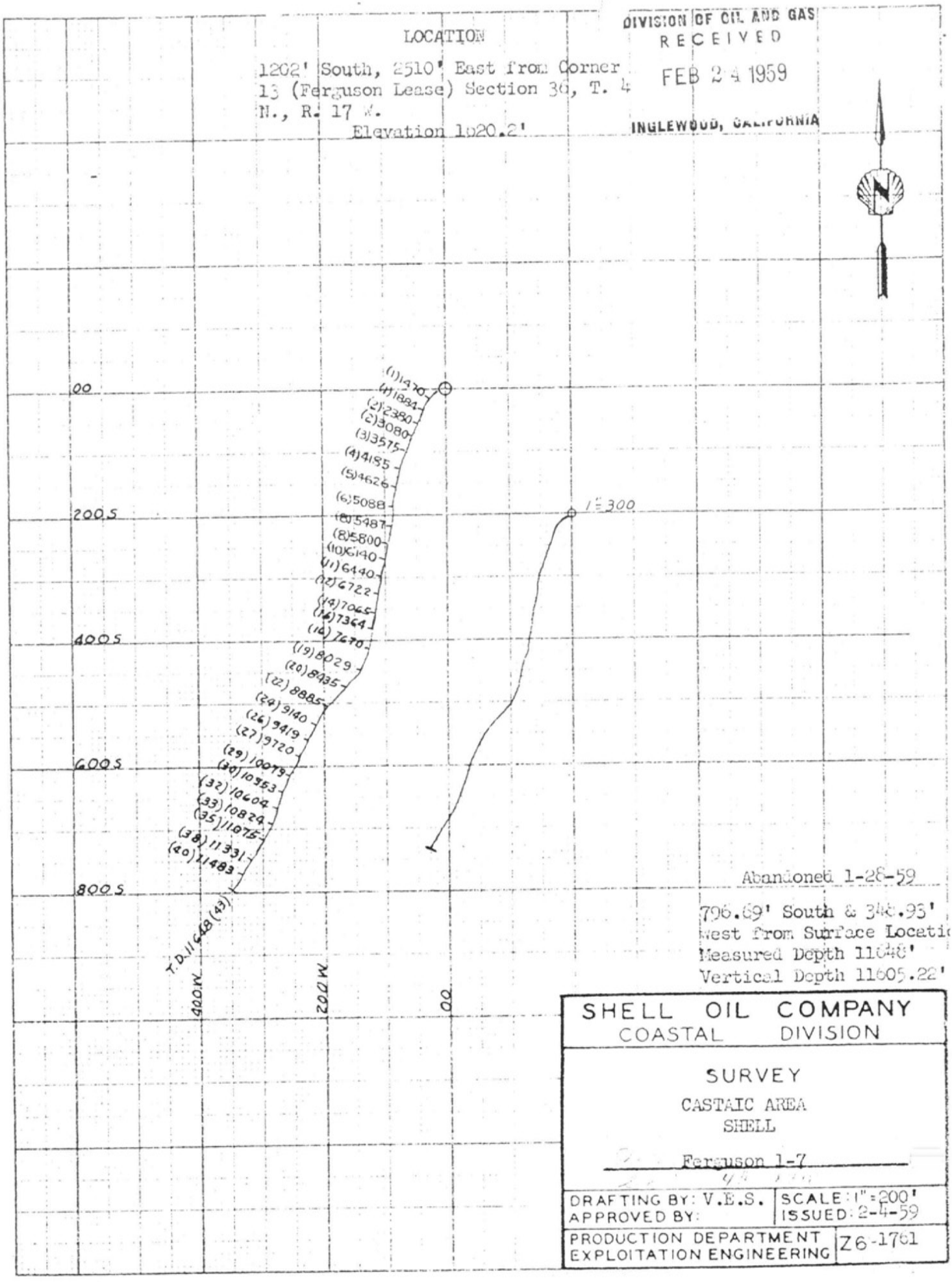
E. H. MUSSER
State Oil and Gas Supervisor

By _____ Deputy

JH
6

63193 9-57 17M ② SPO

7


LOCATION
1202' South, 2510' East from Corner 13 (Ferguson Lease) Section 36, T. 4 N., R. 17 W.
Elevation 1620.2'
DIVISION OF OIL AND GAS
RECEIVED
FEB 24 1959
INGLEWOOD, CALIFORNIA
(1) 470
(1) 1884
(2) 2380
(2) 3080
(3) 3575
(4) 4185
(5) 4626
(6) 5088
(7) 5487
(8) 5800
(10) 6140
(11) 6440
(12) 6722
(14) 7065
(14) 7364
(16) 7670
(19) 8029
(20) 8435
(22) 8885
(24) 9140
(26) 9419
(27) 9720
(29) 10079
(30) 10353
(32) 10604
(33) 10824
(35) 11075
(38) 11331
(40) 11483
T.D. 11648 (43)
1" = 300
00
200 S
400 S
600 S
800 S
400 W
200 W
00
Abandoned 1-28-59
796.69' South & 348.93' West from Surface Locati
Measured Depth 11648'
Vertical Depth 11605.22'
SHELL OIL COMPANY
COASTAL DIVISION
SURVEY
CASTAIC AREA
SHELL
Ferguson 1-7
DRAFTING BY: V.E.S.
APPROVED BY:
SCALE: 1" = 200'
ISSUED: 2-4-59
PRODUCTION DEPARTMENT
EXPLOITATION ENGINEERING
Z6-1761

FORM 111

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 158-713

Mr. Richard A Flohr
2080 Obispo Street
LONG BEACH 4 California
Agent for SHELL OIL COMPANY

Inglewood 3 Calif.
October 8, 1958

121

DEAR SIR:

Your proposal to drill Well No. "Shell Ferguson" 1-7,

Section 36, T. 4 N, R. 17 W, S B B. & M., Newhall-Potrero Field, Los Angeles County,

dated Oct. 2, 1958, received Oct. 6, 1958, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES
"Legal description of mineral right lease, consisting of 585± acres, is as follows: See Enclosures "A" and "B".
Do mineral and surface leases coincide? Yes X No
Location of Well: 1,202 feet south and 2,510 feet east from Corner No. 13, Ferguson Lease.
Elevation of ground above sea level 1,625± feet datum.
All depth measurements taken from top of derrick floor which is 10± feet above ground."
PROPOSAL
"PROPOSED CASING PROGRAM
Size of Casing

Inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
11-3/4"	42#	H-40	Surface	1,100'±	1,100'±

Intended zone or zones of completion: Exploratory
(Name) (Depth, top and bottom)
Estimated total depth 11,500± feet
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. Sufficient cement shall be pumped back of the 11-3/4" casing to reach the surface.
2. Mud fluid consistent with good drilling practice shall be used and the column of mud flu maintained at all times to the surface, particularly while pulling the drill pipe.
3. Adequate blowout prevention equipment shall be installed and maintained in operating condition at all times.
4. This Division shall be consulted before running additional casing, or placing any plugs in the hole. Additional requirements may be specified at that time.
5. THIS DIVISION SHALL BE NOTIFIED TO INSPECT the installed blowout prevention equipment before drilling below 2000'.

DER:OH

cc Mr B P Eastin, Production Dept

E. H. MUSSER, State Oil and Gas Supervisor

By Wm. C. Bailey, Deputy

S/J
Blanket bond.
63

58444 7-57 60M SPO

2

EXHIBIT "A"

PARCEL 1:
That portion of the Rancho San Francisco, in the County of Los Angeles, State of Californi which is included within the following described boundaries:

Beginning at a point in the Southerly boundary of said Rancho, distant South 88° West thereon, 12246.01 feet from Survey Station No. 3 of the Patent Boundary of said Rancho; thence North 02° 27' 13" West 5272.77 feet; thence South 88° West 3000.82 feet; thence South 02° 27' 13" East 1503.20 feet; thence South 88° West to the Westerly line of the land described in deed to John F. Miller, recorded in Book 1022, Page 217 of Official Records of said County; thence South 02° 27' 13" East, along said Westerly line, 3769.57 feet, more or less, to the Southerly boundary of said Rancho; thence North 88° East, along said Southerly boundary 659.61 feet, more or less, to the Southwesterly corner of the land described in deed to Standard Oil Company, recorded in Book 622, Page 263 of Official Records of said County; thence North 25° 40' 04" West, along the Southwesterly line of said land, 1408.49 feet to the Northwesterly corner of said land; thence North 45° 14' East, along the Northwesterly line thereof, 191 feet to an angle point therein; thence North 89° 25' East, along the Northerly line of said land, 737 feet to the Northeasterly corner thereof; thence South 38° 23' East, along the Northeasterly line of said land, 1740.8 feet, more or less, to the Southerly boundary of said Rancho; thence North 88° East along said Southerly boundary, to the point of beginning.

EXCEPT any portion thereof included within any existing road.

PARCEL 2:
That portion of the Rancho San Francisco, in the County of Los Angeles, State of California, described as follows:

Beginning at a point in the Southerly boundary of said Rancho, distant South 88° West ther 12246.01 feet from Survey Station No. 3 of the Patent boundary of said Rancho; thence North 02° 27' 13" West 5272.77 feet; thence South 88° West 3000.82 feet for the true point of beginning; thence South 02° 27' 13" East 1503.20 feet; thence South 88° West to the Westerly line of the land described in deed to John F. Miller, recorded in Book 1022, Page 217 of Official Records of said County; thence North 02° 27' 13" West along said Westerly line, a distance of 1620.86 feet to an angle therein; thence Easterly in a direct line to the true point of beginning.

DIVISION OF OIL AND GAS
RECEIVED
OCT 6 1958
INGLEWOOD, CALIFORNIA

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
OCT 6 1958
INGLEWOOD, CALIFORNIA

037-12602

Ventura, Calif. October 2, 1958

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. Shell Ferguson (No. 1-7, Sec. 36, T. 4 N., R. 17 W., S.B. B. & M., ~~East Ventura Basin,~~ Newhall-Potrero ~~Extension~~ Field ~~Field~~, Los Angeles County.

Legal description of mineral right lease, consisting of 585± acres, is as follows: (Attach map or plat to scale)

See Enclosures "A" and "B".

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: ____ feet (Direction) ____ along property section line and ____ feet (Direction) ____ at right angles to said line from the ____ property corner of section ____

1,202 feet south and 2,510 feet east from Corner No. 13, Ferguson Lease.

Elevation of ground above sea level 1,625± feet ____ datum.

All depth measurements taken from top of derrick floor (Derrick Floor, Rotary Table or Kelly Bushing) which is 10± feet above ground.

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
11-3/4"	42#	H-40	Surface	1,100'±	1,100'±

Intended zone or zones of completion: Exploratory (Name) (Depth, top and bottom)

Estimated total depth 11,500± feet

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
	RJ				

It is understood that if changes in this plan become necessary we are to notify you before running casing.

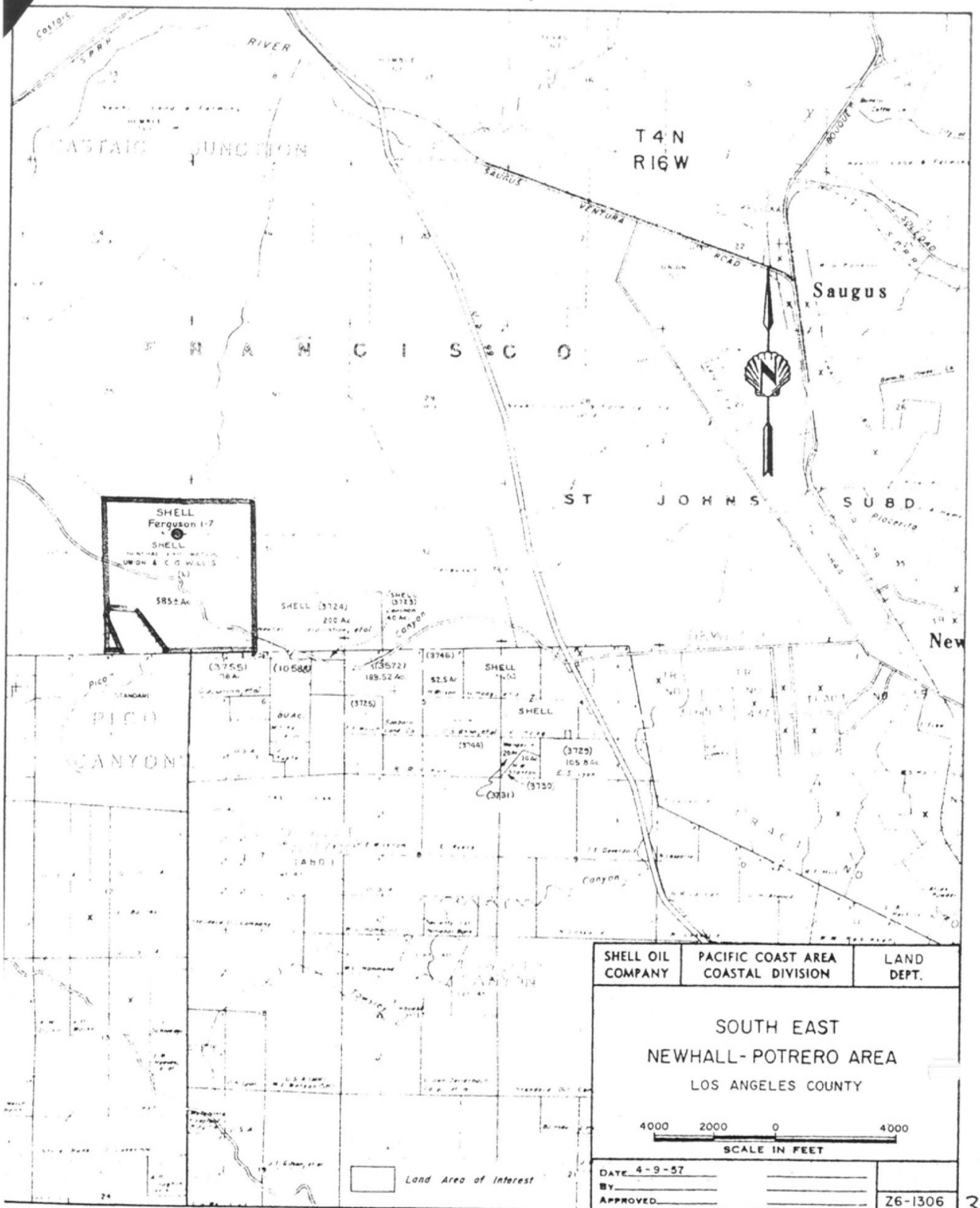
Address P. O. Box 691, Ventura, California

SHELL OIL COMPANY
(Name of Operator)

Telephone Number Miller 8-2751

By J. M. Fillman

Type of Organization (Corporation, Partnership, Individual, etc.)


T 4 N
R 16 W
Saugus
ST JOHNS SUBD.
SHELL
Ferguson 1-7
SHELL
585± Ac
SHELL (3724)
200 Ac
(3723)
40 Ac
(3755)
76 Ac
(10580)
(3572)
189.52 Ac
(3746)
52.5 Ac
SHELL
(3725)
80 Ac
(3744)
(3729)
105.84 Ac
(3730)
(3731)
PICO CANYON
Land Area of Interest
SHELL OIL COMPANY
PACIFIC COAST AREA
COASTAL DIVISION
LAND DEPT.
SOUTH EAST
NEWHALL-POTRERO AREA
LOS ANGELES COUNTY
4000 2000 0 4000
SCALE IN FEET
DATE 4-9-57
BY
APPROVED
Z6-1306

Los Angeles

October 19, 1950

R. D. BUSH

New drilling in the southeasterly end of the Newhall-Potrero field makes it necessary to add the SW¼ of Sec. 31, T. 4 N., R. 16 W., S. B. B. & M., to the Newhall-Potrero field. This addition will necessitate changing the record of Downey Oil Corporation well No. 1 in Sec. 31, which has been shown as being in Los Angeles County.

There are actually three other wells in this quarter-section, but they were erroneously entered as being in the Newhall-Potrero field originally so their records do not need to be changed.

Will you please make this change in your records.

E. H. Musser

Deputy Supervisor.

EHM:my

cc - Mr. R. D. Bush
- Mrs. M. Cooley

Corrections Made as Follows:	By Whom
Form 114	✓ Destroyed (Drilled 1937)
" 115	✓
" 121	✓ EB
" 148	
Cards	
Production Reports	✓ MC
Well Records (Folders	✓ EB
(Reports	
Field Maps	✓ No change 9/77
Map Book	✓ ?9/77

Maps 18A & 24 JLW

Los Angeles

February 6, 1948

R. D. BUSH

According to information furnished us by General Exploration Company of California, Downey Oil Corporation well No. 1, Sec. 36, T. 4 N., R. 17 W., S. B. B. & M., is not correctly located. The correct co-ordinates are 290 feet N. and 150 feet E. from the SW corner of Sec. 31, T. 4 N., R. 16 W.

We believe this new location is more accurate than that shown on the notice to drill and are therefore correcting our map to show the well to be in Sec. 31. The well record will now be carried in Los Angeles County instead of in Newhall field as previously shown.

E. F. Mussen

Deputy Supervisor.

JLW:my

cc - Mr. R. D. Bush

CORRECTIONS MADE AS FOLLOWS:	BY WHOM
FORM 114	
" 115	✓ Young
" 121	
" 148	
CARDS	
PRODUCTION REPORTS	✓ Young
WELL RECORDS (FOLDERS	✓ 18 A JLW
WELL RECORDS (REPORTS	
FIELD MAPS	JLW
MAP BOOK	

2

xxxxxxxxxxxxxxxxxxxxxxxxxxx E. Huguenin, Deputy.

629 South Hill Street
Los Angeles, California
June 14, 1939.

Mr. R. D. Bush,
State Oil and Gas Supervisor,
San Francisco, Calif.

Dear Sir:

I am in receipt of a letter dated June 2, 1939, from D. D. Shakarian, requesting that bond covering Downey Oil Corporation well No. 1, Sec. 36, T. 4 N., R. 17 W., S. B. B. & M., Newhall oil field, be released.

All conditions under the bond have been fulfilled and it may be released as of June 5, 1939, the date of receipt of final records on the well.

Yours truly,

C. Huguenin

Deputy Supervisor.

CVB:EMS

xxxxxxxxxxxxxxxxxxxxxxxxxxxx E. Huguenin, Deputy.

629 South Hill Street
Los Angeles, California
June 13, 1939.

Mr. D. D. Shakarian,
1259 South Cerritos Avenue,
Downey, Calif.

Agent for Downey Oil Corporation.

Dear Sir:

Your report of abandonment of well No. 1, Sec. 36, T. 4 N., R. 17 W., S. B. B.& M., Newhall oil field, Los Angeles County, dated June 2, 1939, and submitted to this Division on our form 102, 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 now been fulfilled.

Yours truly,

R. D. Bush
State Oil and Gas Supervisor

By E. Huguenin
Deputy Supervisor.

CVB:EMS
CC - Mr. R. D. Bush
Company

Maintenance to file of data

Mar 18			Cards	Forms	
					121
C SB					

Book
C SB
6/16/39

RECEIPT IS HEREBY ACKNOWLEDGED OF FINAL REPORT OF ABANDONMENT

DISTRICT NO. 1, DATED June 13, 1939

Well No. 1

DOWNEY OIL CORPORATION

Sec. 36, T. 4 N., R. 17 W., S. B. B. & M.

Address: 1260 Carrion Boulevard

Phone Downey 3892

Reliance Dairy Farms

Wholesale Producers

GRADE "A" BOTTLED RAW MILK

Downey, California

DIVISION OF OIL AND GA
RECEIVED
JUN 5 1939
LOS ANGELES

June 2, 1939

Mr. C. V. Bloom
State of California
Division of Oil and Gas
629 South Hill STreet
Los Angeles, California

Dear Mr. Bloom:

The work has been done as you have recommended for me to do.

I will appreciate it very much if you would release the Maryland Casualty Company on the bond as soon as is convenient for you.

Yours very truly,

ds:ew

FORM 111
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

- No. P 1-33692

Los Angeles, Calif. April 13, 1939.

MR. D. D. Shakarian,
Downey, Calif.
Agent for DOWNEY OIL CORPORATION

DEAR SIR:

Your proposal to abandon Well No. 1,
Section 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall Field, Los Angeles County,
dated April 12, 1939, received April 13, 1939, 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: The condition of the well is as stated in the notice.

THE NOTICE STATES:
"The present condition of the well is as follows:
No casing in the hole. Total Depth 2630'.
No oil, gas, or water found in the hole.
No work been done on well since March 1 '38.
Dried up mud stands in hole at depth of 15'."

PROPOSAL:
"The proposed work is as follows:
To abandon the well by filling with surface material from
15' to 5' and place cement plug from 5' to surface."

DECISION:
THE PROPOSAL IS APPROVED.

NOTE: Upon completion of the proposed abandonment work, please prepare and submit in duplicate on our Form 102, a record of all work done on the well since the last record dated August 24, 1938.

cc- Company
CVB:OH

R. D. BUSH
State Oil and Gas Supervisor

By E. Hugenin Deputy

FORM 108. 81339 11-37 3M
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

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

Los Angeles. Calif. April 17 1939.

DIVISION OF OIL AND GAS

Los Angeles. Calif.

In compliance with Section 16, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to abandon well No. 1

Sec. 36, T. 4N, R. 17W, S.B. B. & M. Aldenhall Field,

Los Angeles. County, commencing work on the 18th day

of April 1939.

The present condition of the well is as follows:

No casing in the hole. Total Depth 2630'.
No oil, gas, or water found in the hole.
No work been done on well since March 1 '38.
Caved up mud stands in hole at depth of 15'

The proposed work is as follows:

To abandon the well by filling with surface material from 15' to 5' and place cement plug from 5' to surface.

above

Downey Oil Corporation
(Name of Operator)

By [signature]

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

8 7

FORM 108. 51359 11-37 5M
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DEPARTMENT OF NATURAL RESOURCES
RECEIVED
APR 12 1939
LOS ANGELES, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin

Los Angeles. Calif. April 12 1939.

DIVISION OF OIL AND GAS

Los Angeles. Calif.

In compliance with Section 16, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to abandon well No. 1

Sec. 36, T. 4N, R. 17W, S.B. B. & M. Aldenhall. Field,

Los Angeles. County, commencing work on the 18th day

of April 1939.

The present condition of the well is as follows:

no casing in the hole. Total Depth 2630'.
no oil, gas, or water found in the hole.
no work been done on well since March 1 '38.
Caved up mud stands in hole at depth of 15'

The proposed work is as follows:

To abandon the well by filling with surface material from 15' to 5' and place cement plug from 5' to surface.

Approved

Dawney Oil Corporation
(Name of Operator)

By [signature]

9 ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

Culbert L. Olson

629 South Hill Street,
Los Angeles, California,
January 26, 1939.

Mr.D. D. Shakarian, President,
Downey Oil Corporation,
1259 South Cerritos Avenue,
Downey, California.

Dear Sir:

Maryland Casualty Company has requested that we release the bond covering your well No. 1, Sec. 36, T. 4 N., R. 17 W., S. B. B. & M., Newhall oil field.

The last record filed by you was the history, dated August 24, 1938, which states that on March 1, 1938, the hole was filled with heavy mud and operations suspended. If it is not your intention to further operate this well it should be capped at the surface in order that the bond may be released.

Please advise us at your earliest convenience as to your intentions in this matter.

Yours truly,

Deputy Supervisor.

cc- Maryland Casualty Company
EH:G

/d

2a

MARYLAND CASUALTY COMPANY
SILLIMAN EVANS, CHAIRMAN OF THE BOARD
EDWARD J. BOND, JR., PRESIDENT

SOUTHERN CALIFORNIA OFFICE
724 SO. SPRING STREET
TRINITY 8581, - LOS ANGELES

T. W. MICHELS, RESIDENT MANAGER
HARRY T. ACORD, ASST. RESIDENT MANAGER
N. C. ANDREWS, MANAGER BONDING DEPARTMENT

DIVISION OF OIL AND GAS
RECEIVED
JAN 26 1939

January 25, 1939

Division of Oil and Gas
625 South Hill Street
Los Angeles, California

Re: Bond No. 93381 - Downey Oil Corporation

Gentlemen:

We have been endeavoring for some time to procure information as to the status of this well and when the principal intends to complete the drilling operations. Up to this writing we have had no response. Will you, therefore, refer to your records in connection with Well No. 1 located on, section 36, township 4 north, range 17 west, S. B. B. & M., Pico Canyon Oil Field, Los Angeles County, California, and advise us if it is now in order to terminate our liability on account of the execution of this well.

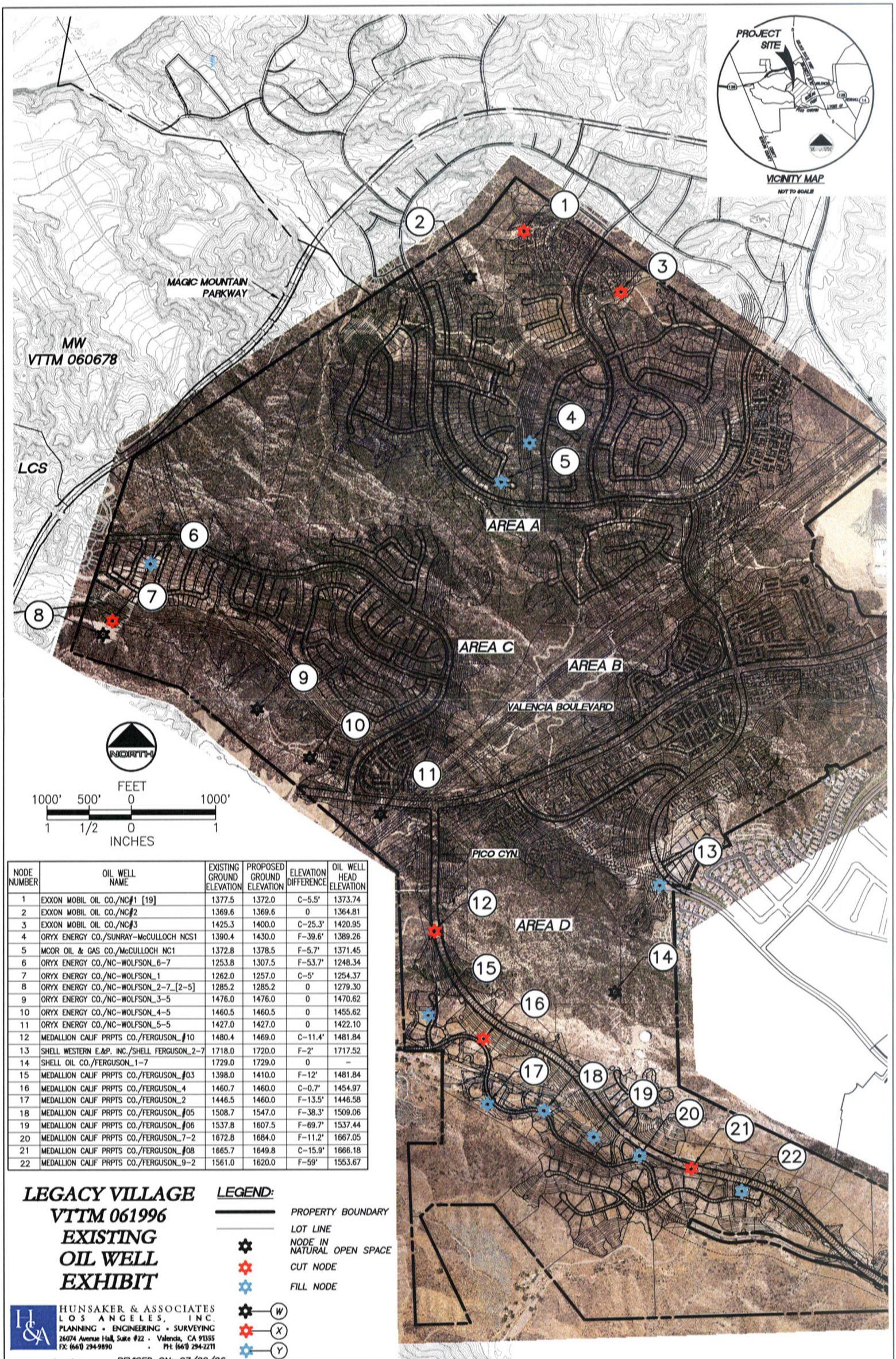
In the event that it is not will you please inform us as to whether the principal has filed the necessary reports to date in connection with any drilling operations.

Yours very truly,

F. B. Gray

BONDING DEPARTMENT

FBG:MT



NODE NUMBER	OIL WELL NAME	EXISTING GROUND ELEVATION	PROPOSED GROUND ELEVATION	ELEVATION DIFFERENCE	OIL WELL HEAD ELEVATION
1	EXXON MOBIL OIL CO./NC#1 [19]	1377.5	1372.0	C-5.5'	1373.74
2	EXXON MOBIL OIL CO./NC#2	1369.6	1369.6	0	1364.81
3	EXXON MOBIL OIL CO./NC#3	1425.3	1400.0	C-25.3'	1420.95
4	ORYX ENERGY CO./SUNRAY-McCULLOCH NCS1	1390.4	1430.0	F-39.6'	1389.26
5	MCOR OIL & GAS CO./McCULLOCH NC1	1372.8	1378.5	F-5.7'	1371.45
6	ORYX ENERGY CO./NC-WOLFSON_6-7	1253.8	1307.5	F-53.7'	1248.34
7	ORYX ENERGY CO./NC-WOLFSON_1	1262.0	1257.0	C-5'	1254.37
8	ORYX ENERGY CO./NC-WOLFSON_2-7_[2-5]	1285.2	1285.2	0	1279.30
9	ORYX ENERGY CO./NC-WOLFSON_3-5	1476.0	1476.0	0	1470.62
10	ORYX ENERGY CO./NC-WOLFSON_4-5	1460.5	1460.5	0	1455.62
11	ORYX ENERGY CO./NC-WOLFSON_5-5	1427.0	1427.0	0	1422.10
12	MEDALLION CALIF PRPTS CO./FERGUSON_#10	1480.4	1469.0	C-11.4'	1481.84
13	SHELL WESTERN E.&P. INC./SHELL FERGUSON_2-7	1718.0	1720.0	F-2'	1717.52
14	SHELL OIL CO./FERGUSON_1-7	1729.0	1729.0	0	–
15	MEDALLION CALIF PRPTS CO./FERGUSON_#03	1398.0	1410.0	F-12'	1481.84
16	MEDALLION CALIF PRPTS CO./FERGUSON_4	1460.7	1460.0	C-0.7'	1454.97
17	MEDALLION CALIF PRPTS CO./FERGUSON_2	1446.5	1460.0	F-13.5'	1446.58
18	MEDALLION CALIF PRPTS CO./FERGUSON_#05	1508.7	1547.0	F-38.3'	1509.06
19	MEDALLION CALIF PRPTS CO./FERGUSON_#06	1537.8	1607.5	F-69.7'	1537.44
20	MEDALLION CALIF PRPTS CO./FERGUSON_7-2	1672.8	1684.0	F-11.2'	1667.05
21	MEDALLION CALIF PRPTS CO./FERGUSON_#08	1665.7	1649.8	C-15.9'	1666.18
22	MEDALLION CALIF PRPTS CO./FERGUSON_9-2	1561.0	1620.0	F-59'	1553.67

LEGACY VILLAGE VTTM 061996 EXISTING OIL WELL EXHIBIT

LEGEND:

- PROPERTY BOUNDARY
- LOT LINE
- NODE IN NATURAL OPEN SPACE
- CUT NODE
- FILL NODE
- W, X, Y NODE NUMBER

HUNSAKER & ASSOCIATES LOS ANGELES, INC.
PLANNING • ENGINEERING • SURVEYING
26074 Avenue Hall, Suite #22 • Valencia, CA 91355
FX: (661) 294-9890 • PH: (661) 294-2211

DATE: 09/19/05 REVISED ON: 07/20/06
WORK ORDER: 0015-023-001 SHEET 1 OF 1

HSR048-01_OIL-WELL_11x17.dwg

G:\Newhall Ranch\Stevenson Ranch Ph5\Overall\Exh\HSR048-01_OIL-WELL_11x17.dwg Plotted On Jul 20, 2006-8:13pm by jangs

APPENDIX E:

Water Quality Report

CHEMICALS IN THE NEWS

Perchlorate – Perchlorate, a chemical used in making rocket and ammunitions propellants, has been a water quality concern in the SCV for the past few years. It was detected in 1997 in four Saugus Formation wells operated by the purveyors, near the former Whittaker-Bermite facility. These four wells have not been used as sources of supply since 1997. In November 2002, perchlorate was detected in one Alluvial well adjacent to the Whittaker site, which was immediately closed.

In November 2000, CLWA and the purveyors filed suit against the Whittaker Corporation (the former owner of the contaminated property) and Santa Clarita LLC and Remediation Financial, Inc. (the owners of record at the time). The suit seeks to have the defendants pay all necessary costs of response, removal of the contaminant, remedial actions, and any liabilities or damages associated with the contamination. Under federal and state law, the owners of the Whittaker-Bermite property have the responsibility for the groundwater cleanup. In 2003, the parties reached an interm settlement and funding agreement, with the potential for reaching a final long-term settlement. Negotiations have been continuing.

In 2002, CLWA and the U.S. Army Corps of Engineers signed a cost-sharing agreement for a feasibility study of the area. All proceedings and data are available to the public, through an information repository and public meetings. Sampling and testing is ongoing.

A notification level of 6 ug/L was determined in March 2004. DHS anticipates that it will propose an MCL for Perchlorate in 2005.

There are several treatment technologies available that remove perchlorate from water. The purveyors and the the State Department of Toxic Substances Control (DTSC) signed an oversight agreement in 2003 regarding studies of treatment technologies for removing perchlorate from water supplies, and are also working with DHS for the necessary permits for these types of treatment processes. Treatment method pilot studies were conducted during 2003, and in 2004 the purveyors selected ion exchange as the preferred treatment method for removing perchlorate. Treatment of the affected wells will begin in 2006.

In April 2005, VWC confirmed the detection of perchlorate above the notification level in its Alluvial Well Q2 in connection with its regular monitoring of active municipal-supply wells near the former Whittaker-Bermite site. In response, VWC removed the well from active service. Since perchlorate was first discovered in the Santa Clarita Valley (i.e., 1997), VWC municipal-supply wells have been monitored on a quarterly to semi-annual basis. In addition, monitoring wells installed on and adjacent to the Whittaker-Bermite site have been monitored on an ongoing basis by the U.S. Army Corps of Engineers and DTSC.

The perchlorate detected in Well Q2 does not significantly impact the water supplies used to meet demand in the Santa Clarita Valley. VWC's response plan for Well Q2 is to pursue permitting and installation of wellhead treatment by fall 2005, which will return the well to water supply service.

MTBE – MTBE, a component of clean-burning engine fuels, has been a statewide concern recently. On May 17, 2000, DHS adopted a Primary MCL of 0.013 mg/L for MTBE. State officials have been attempting to have MTBE banned from use in California. CLWA and the local water retailers have been testing for MTBE since 1997, and to date have not detected it in any of their production wells or in the treated State Water Project supply.

REMEMBER: USE WATER WISELY, IT'S A WAY OF LIFE!

Water conservation is both a local and a statewide concern. Conservation efforts at the local level can help "stretch" water supplies all over California. Californians should consider water conservation a way of life: water must be conserved in order for it to be available during cyclical droughts.

The Santa Clarita Valley is an inland valley, with a hot, dry summer and fall, often marked by high winds. The single greatest use of water in the Valley is landscape irrigation for residential lawns and gardens, commercial landscapes, parks, schoolyards, and golf courses.

Five ways to save water:

1. Proper maintenance of sprinkler systems and setting of timers to avoid over-watering and runoff.
2. Checking for leaks in faucets, toilets, hoses, and pipes.
3. Sweeping sidewalks, patios, and driveways instead of hosing them off.
4. Planting drought-tolerant trees and plants when planting new or replacing existing landscapes.
5. Replacing older toilets with new, more efficient toilets. By law, only toilets using 1.6 gallons per flush may be sold in California.

For more information about ways to conserve water, contact your water supplier or visit **www.clwa.org.**

For More Information:

Castaic Lake Water Agency
David Kimbrough
661-297-1600 x223
E-mail address: dkimbrough@clwa.org
Website: www.clwa.org

The Castaic Lake Water Agency is governed by a Board of Directors that meets on the second and fourth Wednesdays of each month at 6:15 pm, at the Rio Vista Administration Building, 27234 Bouquet Canyon Road.

CLWA Santa Clarita Water Division
Cathy Hollomon
661-259-2737
E-mail address: chollomon@scwater.org
Website: www.clwa.org

The Santa Clarita Water Division is a non-profit division of the Castaic Lake Water Agency. The Santa Clarita Water Division has its own Board of Directors that meets on the Monday before the second Wednesday of each month at 6:30 pm, at the Rio Vista Administration Building, 27234 Bouquet Canyon Road.

Newhall County Water District
Denise Smith
661-259-3610
E-mail address: dsmith@ncwd.org
Website: www.ncwd.org

The Newhall County Water District is governed by a Board of Directors that meets on the second Thursday of each month at 6:30 pm, at the District Office, 23655 San Fernando Road, Suite "C".

Valencia Water Company
Stacey Roberts
661-295-6503
E-mail address: sroberts@valencia.com

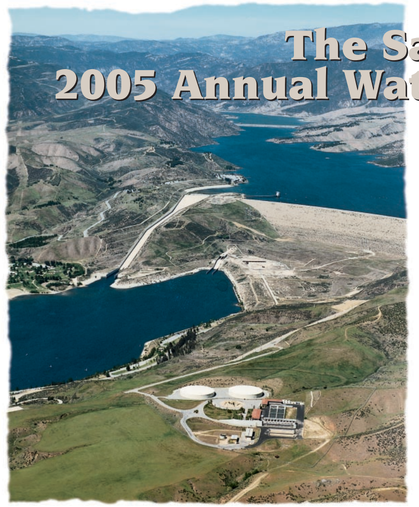
The Valencia Water Company is an investor-owned utility regulated by the California Public Utilities Commission. The office is located at 24631 Avenue Rockefeller.

Este informe contiene información muy importante sobre su agua beber.

Si usted quisiera el texto en español para este reporte, comuníquese con David Kimbrough al numero de teléfono 661-297-1600 x223.

PRSRT STD
U.S. POSTAGE
PAID
Permit No. 440
Santa Clarita, CA

Castaic Lake Water Agency
27234 Bouquet Canyon Road
Santa Clarita, CA 91350-2173



The Santa Clarita Valley 2005 Annual Water Quality Report

Castaic Lake Water Agency

CLWA Santa Clarita Water Division

Newhall County Water District

Valencia Water Company

We Take Pride in Serving You Excellent Quality Water

This Annual Water Quality Report is provided by the Castaic Lake Water Agency and local water purveyors. Our goal is to provide our customers the most up-to-date information about your water.

The 2005 Annual Water Quality Report contains a summary of thousands of water quality tests performed in the Santa Clarita Valley. **All of the test results in this report were run in 2004 unless noted otherwise. If you do not find a chemical listed in this report, it was not found in any test performed on your water.**

All Water in the SCV is from the State Water Project or Local Wells

Both surface and groundwater test results are included in this Water Quality Report.

Surface water utilized in the SCV comes from the State Water Project (SWP). The SWP is a 660-mile system of rivers, aqueducts, and reservoirs that transports water from the Northern Sierra Nevada to Southern California. CLWA's SWP water is transported to Castaic Lake, which is part of the SWP.

Groundwater comes from local wells. Some wells are shallow and tap into the Alluvial Aquifer beneath the Santa Clara River and its tributaries. Others draw water from the much deeper Saugus Formation.

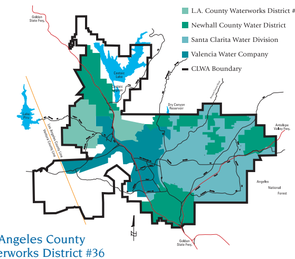
Where Does My Water Come From?

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

CLWA Provides Water to Local Purveyors

CLWA receives and treats surface ("imported") water from the SWP. CLWA operates two water treatment plants: The Earl Schmidt Filtration Plant (ESFP) in Castaic, and the Rio Vista Water Treatment Plant (RVWTP) in Saugus. The Santa Clarita Valley's four water purveyors distribute the treated water. Water quality information for your area is presented in the tables contained in this report.

Castaic Lake Water Agency Service Area



Los Angeles County Waterworks District #36
(LACWWD #36) serves customers located in the area of Hasley Canyon and the community of Val Verde. In 2004, LACWWD #36 customers received 66% CLWA water and 34% local groundwater. LACWWD #36 supplies its own Annual Water Quality Report to its customers.

CLWA Santa Clarita Water Division provides water to customers in Bouquet, Soledad and Sand Canyons, and southwest Newhall. Customers received approximately 75% CLWA water and 25% local groundwater in 2004.

Newhall County Water District (NCWD) serves customers in four separate water systems located in the Castaic, Newhall, Pinetree and Tesoro del Valle areas. In 2004, Castaic customers received 63% CLWA water and 37% local groundwater, Newhall customers received 33% CLWA water and 67% local groundwater, and Pinetree customers received 74% CLWA water and 26% local groundwater. Tesoro del Valle customers received 100% SWP water.

Valencia Water Company (VWC) supplies water to customers in Valencia, Stevenson Ranch, and portions of Castaic, Saugus, and Newhall. In 2004, VWC customers received about 60% CLWA water and 38.5% local groundwater. In addition, some large landscape customers received 1.5% recycled water.

WATER QUALITY DEFINITIONS

In order to ensure that tap water is safe to drink, the United States Environmental Protection Agency (USEPA) and the California Department of Health Services (DHS) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. DHS regulations also establish limits of contaminants in bottled water that must provide the same protection for public health. USEPA, DHS and the California Environmental Protection Agency (CalEPA) set legal standards for the quality of drinking water. These standards are intended to protect consumers from contaminants in drinking water. Most of the standards are based on the concentration of contaminants, but a few are based on a Treatment Technique (TT) to remove the contaminant. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline.

When a contaminant is regulated based on concentration, there are three levels that are listed: the **Detection Limit for Report (DLR)**, the **Public Health Goal (PHG)** or **Maximum Contaminant Level Goal (MCLG)**, and the **Maximum Contaminant Level (MCL)** or **Action Level (AL)**.

The **DLR** is the smallest concentration of a contaminant that can be measured and reported. DLRs are set by DHS (Same as MRL, Minimum Reporting Level, set by USEPA).

PHG and **MCLG** are the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the USEPA. PHGs are set by Cal EPA.

A **Primary MCL** is the highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible.

Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum residual disinfectant level (MRDL): The level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap. MRDLs are set by the USEPA.

Maximum residual disinfectant level goal (MRDLG): The level of a disinfectant added for water treatment below which there is no known or expected risk to health.

An **AL** is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow. MCLs and ALs are set by DHS.

UCMR: The federal Safe Drinking Water Act (SDWA) requires the USEPA to establish criteria for a program to monitor unregulated contaminants and to publish a list of contaminants to be monitored. Data that was collected in compliance with the Unregulated Contaminant Monitoring Rule (UCMR) can be obtained from the United States Environmental Protection Agency (EPA) at the following website http://www.epa.gov/safewater/data/ucmrgetdata.html.

Metals and Salts

Metals and salts are tested in wells once every three years and in Castaic Lake water every month. Alum (aluminum sulfate) is added at the ESFP to remove turbidity and as a result small concentrations of aluminum are found in its waters. Small quantities of naturally occurring arsenic are found in Castaic Lake and in a few wells. These are present due to the natural erosion of the rocks that waters travel over or through. Inorganic compounds such as salts and metals can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.

A number of naturally occurring salts are found in both surface and well water. These include chloride, fluoride, nitrate, nitrite, calcium, magnesium, potassium, and sodium. Taken together they are called Total Dissolved Solids (TDS). Calcium and magnesium together are called "Hardness" and can deposit as scale.

Nitrate in drinking water at levels above 45 mg/L is a health risk for infants less than six months of age. High nitrate levels in drinking water can interfere with the capacity of the infant's blood to carry oxygen, resulting in a serious illness; symptoms include shortness of breath and blueness of the skin. High nitrate levels may also affect the ability of the blood to carry oxygen in other individuals, such as pregnant women and those with certain specific enzyme deficiencies. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are pregnant or caring for an infant, you should ask for advice from your health care provider. Nitrates are tested at least annually.

Disinfection By-Products

Disinfection By-Products (DBPs), which include Trihalomethanes (THMs) and Haloacetic Acids (HAA5) are generated by the interaction between naturally occurring organic matter and disinfectants such as chlorine and ozone. THMs and HAA5 are measured at several points in each system and averaged once per quarter and reported as a running annual average.

Trihalomethanes

Some people who use water containing trihalomethanes in excess of the MCL over many years may experience liver, kidney, or central nervous system problems, and may have an increased risk of getting cancer.

Microbiological

Microbial contaminants, such as viruses and bacteria, can be naturally occurring or result from urban storm water runoff, sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.

The most important microbiological drinking water tests are for bacteria. Water is tested for Total Coliform bacteria and for *Escherichia coli* (*E. coli*). The presence of *E. coli* indicates fecal contamination of waters. No *E.coli* was detected in any drinking waters in the SCV last year. Total coliforms are a group of bacteria that indicate water quality may have deteriorated. The MCL for total coliforms is 5 percent of all monthly tests being positives for larger systems.

Additional microbiological tests for the water-borne parasites *Cryptosporidium parvum* and *Giardia lamblia* were performed on Castaic Lake water, and none were detected.

Radiological Tests

Radioactive compounds can be found in both ground and surface waters, and can be naturally occurring or be the result of oil and gas production and mining activities. Testing is conducted for two types of radioactivity: alpha and beta. If none is detected at concentrations above 5 picoCuries per liter no further testing is required. If it is detected, the water must be checked for uranium and radium.

Lead and Copper

The local water purveyors are required to sample for lead and copper at specific consumer taps. The results for lead and copper are reported as the 90th percentile. The 90th percentile is the result that is greater than 90% of all the results.

Organic Compounds

Organic chemical contaminants, including synthetic and volatile organic chemicals, are byproducts of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems. Organic compounds also include pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses. Water is tested for two types of organic compounds: Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SOCs). These organic compounds are synthetic chemicals produced from industrial and agricultural uses. Castaic Lake is checked annually for VOCs and SOCs. Local wells are tested at least annually for VOCs and periodically for SOCs. Tetrachloroethylene (PCE) was found (below the MCL) in groundwater in the SCV. Some people who use water containing tetrachloroethylene in excess of the MCL over many years may experience liver problems, and may have an increased risk of getting cancer.

Drinking Water Source Assessment and Protection

As part of DHS requirements, the purveyors of the Santa Clarita Valley conducted a Drinking Water Source Assessment and Protection (DWSAP) study for all of their groundwater sources. The DWSAP is a document that enables DHS and water utilities to collect information about each drinking water source and surrounding residential, commercial, and industrial activities. These documents were completed and provided to DHS by December 31, 2002.

As part of the program, "surrounding activities" which include schools, medical offices, gas stations and various other facilities around each water source are categorized and ranked as "Possible Contaminating Activities" (PCA). Groundwater wells in the Santa Clarita Valley provide good, safe drinking water to consumers. Below is a list of all PCAs to which the wells are most vulnerable, based on the local purveyors' DWSAP documents.

- Automobile/Gas stations, auto shops - tetrachloroethylene (PCE)
- Dry cleaners - tetrachloroethylene (PCE)
- Underground storage tanks/confirmed leaking tanks
- Metal plating/finishing/fabricating
- Utility stations/maintenance areas
- Chemical/petroleum processing/storage
- Plastics/synthetics producers
- Known contaminant plumes - Perchlorate
- High-density housing
- Storm drain discharge points
- Wells, water supply
- Pesticide/fertilizer/petroleum storage and transfer areas
- Fleet/bus/truck terminals
- Historic gas stations
- Automobile repair shops
- Septic systems (high density)
- Boat services/repair/refinishing
- Sewer lines
- Cement/Concrete plants
- Railroad yards/maintenance/fueling areas

Trace levels of PCE (below the MCL) have been detected in two wells. PCE is a commonly used degreaser and is generally associated with discharge from factories, dry cleaners, and auto shops.

In addition, perchlorate has been detected in six wells, all of which have been removed from service. (A maximum contaminant level has not been set for perchlorate. Further information regarding perchlorate can be found in this report.)

Additional DWSAP information is available at your request from your local water purveyor. Contact names and numbers are supplied at the end of this report.

Pinetree MCL Violation:

Newhall County Water District (NCWD) routinely monitors for the presence of drinking water contaminants. Total trihalomethanes (TTHMs) are monitored on a quarterly basis. The test results that NCWD received on Monday, January 3, 2005, from samples collected on December 16, 2004, showed that the system exceeded the standard, or Maximum Contaminant Level (MCL) for TTHMs. The current MCL for TTHMs is 80 parts per billion (ppb) based on a running annual average (RAA) from quarterly sampling. The results received on January 3, 2005, showed that the RAA for the fourth quarter of 2004 was 82.6 ppb, exceeding the MCL of 80 ppb by approximately 3 ppb.

NCWD is currently implementing operational changes to supplement treated water from CLWA with groundwater from NCWD wells. Due to recent precipitation levels in the Santa Clarita Valley, NCWD intends to maximize groundwater production in the area to provide an effective blend of surface water and groundwater, which does not have the same total trihalomethane-forming potential as the surface water source. In addition, NCWD and CLWA have converted to the use of chloramines as a water treatment disinfectant. Chloramines is a water treatment disinfectant that provides superior water treatment, and most importantly, results in substantially lower formation of TTHMs.

Tesoro MCL Violation:

NCWD routinely monitors for the presence of drinking water contaminants. Total trihalomethanes (TTHMs) are monitored on a quarterly basis. The test results that NCWD received on Monday, January 3, 2005, from samples collected on December 16, 2004, showed that the system exceeded the standard, or Maximum Contaminant Level (MCL) for TTHMs. The current MCL for TTHMs is 80 parts per billion (ppb) based on a RAA from quarterly sampling. The results received on January 3, 2005, showed that the Running Annual Average for the fourth quarter of 2004 was 80.8 ppb, exceeding the MCL of 80 ppb by less than 1 ppb.

NCWD and CLWA have converted to the use of chloramines as a water treatment disinfectant. Chloramines is a water treatment disinfectant that provides superior water treatment, and most importantly, results in substantially lower formation of TTHMs.

THE RESULTS OF THOUSANDS OF TESTS ON YOUR WATER

PARAMETERS/ CONSTITUENTS	Units	MCL (AL)	MCLG (PHG)	DLR/ MRL	Castaic Lake Water Agency			CLWA Santa Clarita Water Division			Valencia Water Company			Newhall County Water District Castaic			Newhall County Water District Newhall			Newhall County Water District Pinetree			Possible Source of Constituents
					Range		Typical	Range		Typical	Range		Typical	Range		Typical	Range		Typical	Range		Typical	
INORGANICS					Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		
Arsenic	mcg/L	50	None	2			2.6	<DLR	3.0	<DLR	<DLR	2	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	2.1	2.1	2.1	Naturally Occurring Element
Barium	mcg/L	1000	None	100	<DLR	<DLR	<DLR	<DLR	158	104.4	<DLR	123	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	134	134	134	Naturally Occurring Element
Fluoride	mg/L	0.7-1.4**	4	None	0.09	0.11	0.1	0.30	0.50	0.40	0.27	0.9	0.38	0.40	0.50	0.50	0.40	0.50	0.40	0.40	0.40	0.40	Naturally Occurring Element
Nitrate (as NO_3)	mg/L	45	45	2	2.3	3.1	2.7	13.7	38.5	23.8	7.3	35.7	18.5	<DLR	3.0	<DLR	15.4	25.5	20.0	10.3	10.3	10.3	
Total Chromium	ug/L	50	100		<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	
ORGANICS																							
Tetrachloroethylene[1]	mcg/L	5	0	0.5			<DLR	<DLR	.75	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	<DLR	Industrial Pollutant
DISINFECTION BY-PRODUCTS																							
Bromate (RVTP Only)	mcg/L	10	None	2	<DLR	11.8	<DLR																Disinfection by-product
Haloacetic Acids (HAA5)	mcg/L	60	0	0.5	7	36	19	0.0	38.0	9.7	0	24	9.9	3.6	25	14	0	27	7	1.9	21	13	Disinfection by-product
Trihalomethanes, Total (TTHMs)	mcg/L	80	0	0.5	44	125	79.9	2	120	57.2	1	100	56	27.2	100	76	0.8	119	37	9.7	103.0	83	Disinfection by-product
MICROBIOLOGICAL																							
Coliform % Positive Samples	%	5	0	None	0	2	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	Naturally occurring in the environment
CLARITY/TURBIDITY																							
Surface Water Only	NTU	0.50	None																				
RADIOLOGICAL																							
Alpha Activity, Gross	pC/L	15	0	1	<DLR	<DLR	<DLR	1.4	8.8	4.0	<DLR	7.3	<DLR	<DLR	<DLR	<DLR	<DLR	3.4	<DLR	<DLR	6.5	4.5	Erosion of natural deposits
Radium 226 & 228, Total	pCi/L	5	0				NA	<DLR	0.90	0.55	<DLR	<DLR	<DLR	0.039	1.35	0.58	0.113	0.981	0.5	0.171	0.389	<DLR	Erosion of natural deposits
Uranium	pCi/L	20	(0.2)				NA	3.4	8	6.3	<DLR	6.4	3	NR	NR	NR	NR	NR	NR	3.52	4.69	4.11	Erosion of natural deposits
Year of Analysis						2004			2001			2004			2004			2004			2004		
LEAD AND COPPER (Retailers Only)								90th Percentile	Tested	Above the AL	90th Percentile	Tested	Above the AL	90th Percentile	Tested	Above the AL	90th Percentile	Tested	Above the AL	90th Percentile	Tested	Above the AL	
Copper	mcg/L	1300	50	50			NA	373	31	0	858	32	1	664	20	0	918	30	1	869	24	1	Corrosion of household plumbing
Lead	mcg/L	0	5	5			NA	5.5	31	0	11.1	32	2	6.8	20	1	6.4	30	1	6.6	24	1	Corrosion of household plumbing
Year of Analysis									2004			2004			2003			2003			2003		
	Secondary MCL				Range		Typical	Range		Typical	Range		Typical	Range		Typical	Range		Typical	Range		Typical	Notes
SECONDARY STANDARDS					Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		
Chlorides*	mg/L	250/500/600			65	74	69	94	111	103.4	25	141	81	94	105	95	39	39	39	98	98	98	Runoff/leaching from natural deposits; seawater influence
Color	Units	15			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	
Odor-Threshold	Units	3			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Sulfates*	mg/L	250/500/600			39	46	42	137.0	201	175.2	92	538	239	118	174	124	137	197	160	111	111	111	Runoff/leaching from natural deposits; industrial waste
Turbidity	NTU	5			0.06	0.25	0.09	0.06	1.38	0.07	0.05	0.3	0.08	0.07	0.27	0.1	0.05	0.05	0.05	1.93	1.93	1.93	
Total Dissolved Solids*	mg/L	500/1000/1500			255	272	264	785	860	820	567	1315	797	521	534	530	647	783	700	665	665	665	Runoff/leaching from natural deposits
					Range		Typical	Range		Typical	Range		Typical	Range		Typical	Range		Typical	Range		Typical	Notes
ADDITIONAL TESTS					Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		Minimum	Maximum		
Calcium	mg/L				22	27	24	101	495	132	94	204	126	60	69	66	76	115	100	92	92	92	
Magnesium	mg/L				13	16	15	27	48	37	15	56	37	25	26	25	18	29	25	25	25	25	
Sodium	mg/L				42	55	49	81	114	94	55	118	84	60	69	65	48	54	50	78	78	78	
Potassium	mg/L				2.5	3.3	3.0	2.1	6.6	4.6	2	4.6	3.6	3.6	3.8	3.7	2.1	3.5	3	3.5	3.5	3.5	
Hardness as CaCO3	mg/L				112	137	122	364	567	472	346	601	474	255	284	272	268	412	320	339	339	339	Divide these numbers by 17.1 to get grains/gallon
pH	Units				7.50	8.36	8.04	7.07	7.45	7.3	7.4	7.73	7.55	7.61	7.71	7.65	7.47	7.61	7.55	7.71	7.71	7.71	

Key for the Charts used in this Report

- There are three MCLs for these parameters:
  The first is the recommended, long term. The second is the upper, long term. The third is short term.

** Depending on annual temperatures

mg/L Milligram per Liter (1 milligram = 1/1,000 of a gram)

ug/L Microgram per Liter (1 microgram = 1/1,000,000 of a gram)

pCi/L Picocurie per Liter (1 picocurie is the amount of radiation given off by a trillionth of a gram of radium)

1 Some people who use water containing tetrachloroethylene in excess of the MCL over many years may experience liver problems, and may have an increased risk of getting cancer.

APPENDIX F:

DOGGR Well Records

FORM 159 (9-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Inglewood, California

February 25 1959

Mr. Richard A Flohr
2080 Obispo Avenue
Long Beach 4 California
Agent for SHELL OIL COMPANY

DEAR SIR:

Your report of abandonment of Well No. "Shell Ferguson" 1-7, Sec. 36, T. 4 N, R. 17 W, S B B. & M., Newhall-Potrero field, Los Angeles County, dated February 12, 1959, 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 BOOK	CARD*	BOND	FORMS 114	FORMS 121
18A	RJ				
RJ					
1-a6					

orig Jack Fillmen
cc E H Musser
W F Bates

es

E. H. MUSSER
State Oil and Gas Supervisor

By _____
Deputy Supervisor

R4442 9-58 10M SPO

Form 10

CLERK

Date Received 2-24-59 Form 100 ✓ 101 ___ 103 ___

Elec. Log 1107-11652 (2) Radio Log ___

Direct. Surv. Surf. 11648 (2) Other Data sidewall core record, Core rec Drilling report, Ditch sample

Location Ok

Notice to drill shows

Elevation of gr 1625±, df 10± above gr Clerk Scott

Prod.Repts. ___ Clerk ___

ENGINEER

BOND Blanket 1-28-59 Release ___ Date Elig. ___ 150b ___

End Prem. Year ___ Release Requested ___ Superseded ___

Aband. ___

HOLD BOND ___ Reason ___

Data Needed ___

Final letter ✓ Eng. [illegible]

RECEIPT FOR

✓ New Well Records

___ Subsequent Work

Well Summary (100) ✓

Drillers Log (101) ___

Core Record (101) ✓

History (103) ✓

Elec.Log ✓

Other SW samples + ditch samples

Directional Survey

Redrill ___

Deepen ___

Plug ___

Alter Csg. ___

Abandon ✓

3

64

36-4-17

DIVISION OF OIL AND GAS
RECEIVED
FEB 24 1959
INGLEWOOD, CALIFORNIA

SHELL OIL COMPANY
196 SOUTH FIR STREET
VENTURA, CALIFORNIA

TRANSMITTAL TO: Division of Oil and Gas
830 No. La Brea
Inglewood 3, California

DATE: February 19, 1959

NAME OF WELL: Ferguson 1-7

WELL DATA AS INDICATED BELOW:

No. Copies		No. Copies	
2	Electric Log 1" = 50'	2	Drilling Reports
	Electric Log Balloon	2	Completion Reports (Form 100)
	Mud and Lithology Log	2	Core Records
	Dipmeter Results	2	Sidewall Samples
	Gamma Ray-Neutron	2	Ditch Sample Record
	Induction Log		
	Microlog		
2	Survey and Calculations		

Yours very truly,

J. M. Fillman
Division Exploitation Engineer
Coastal Division

PC:

Enclosures

4

68

SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

DIVISION OF OIL AND GAS
RECEIVED
FEB 24 1959
HOLLYWOOD, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator Shell Oil Company (Shell) Field East Ventura Basin, Newhall-Potrero Extension

Well No. Ferguson 1-7 Sec. 36, T. 4 N., R. 17 W., S.B. B. & M.

Location 1202' South and 2510' East from Corner 13, Ferguson Lease

Elevation of ground above sea level 1609.1 feet.

All depth measurements taken from top of derrick floor, which is 11.1 feet above ground.

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 February 12, 1959

Signed [signature]

(Engineer or Geologist) (Superintendent) Title Division Exploitation Engineer (~~President, Secretary~~ or Agent)

Commenced drilling 10-23-58 Completed drilling 1-24-59 Drilling tools ~~Cable~~ Rotary

Total depth 11,648' Plugged depth

~~Junk~~ Plugs: 11500'/11200'+

1650'/1390'

1150'/946'

10' surface plug and welded steel plate over 11-3/4" casing

GEOLOGICAL MARKERS	DEPTH
Upper Miocene	T.D.

Commenced producing Abandoned 1-28-59 (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						
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 Drilled	Number of Sacks of Cement	Depth of Cement if through perforations
11-3/4"	1111'	Surface	42#	New	Seamless	H-40	17"	1154	-

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.	Abandonment work completed 1-28-59			
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 1111 to 11648', 11403' (Attach Copy of Log)

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 159-86

Mr. Richard A Flohr
2080 Obispo Avenue
Long Beach 4 California

Inglewood 3 Calif.
February 5, 1959

Agent for SHELL OIL COMPANY

DEAR SIR:

Operations at your well No. "Shell Ferguson" 1-7, Sec. 36, T. 4 N, R 17 W, S B B & M. Newhall-Potrero Field, in Los Angeles County, were witnessed on January 28, 1959. Mr. W. Hunter, Engineer, representative of the supervisor was present from 9:00 to 9:20 a.m. There were also present M. Crisman, Drilling Foreman, D. Mortesón, Driller.

Present condition of well: 11-3/4" cem. 1111'. T.D. 11,648', plugged with cement 11,500'-10,500'±, 1650'-1390', 1150'-946'.

The operations were performed for the purpose of witnessing the plugging operations in the process of abandonment.

Mr. xxxxxxxx reported:

MR. W. HUNTER, ENGINEER, WAS PRESENT AT THE WELL FROM 9:30 - 10:00 A.M., JANUARY 28, 1959, AND MR. CRISMAN REPORTED:

1. A 9-7/8" hole was drilled from 1111' to 11,648'.
2. On January 27, 1959, 450 sacks of cement (calculated to fill to 10,500') was pumped int the hole through 5" drill pipe hanging at 11,500'.
3. On January 28, 1959, 350 sacks of cement was pumped into the hole through 5" drill pipe hanging at 1650'.

THE ENGINEER NOTED THAT the cement plug at the reported depth of 1390' supported five point of the weight of the drill pipe.

On January 28, 1959, Mr. Hanson of Shell Oil Company reported by telephone that on January 28, 1959, 200 sacks of cement, (filling to 946') was pumped into the hole through 5" drill pipe hanging at 1150'.

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

WH:OH

cc Mr W F Bates, Production Dept
Shell Oil Company
1008 West 6th Street
LOS ANGELES 54

Orig. Mr Jack Fillman
P O Box 691
Ventura California

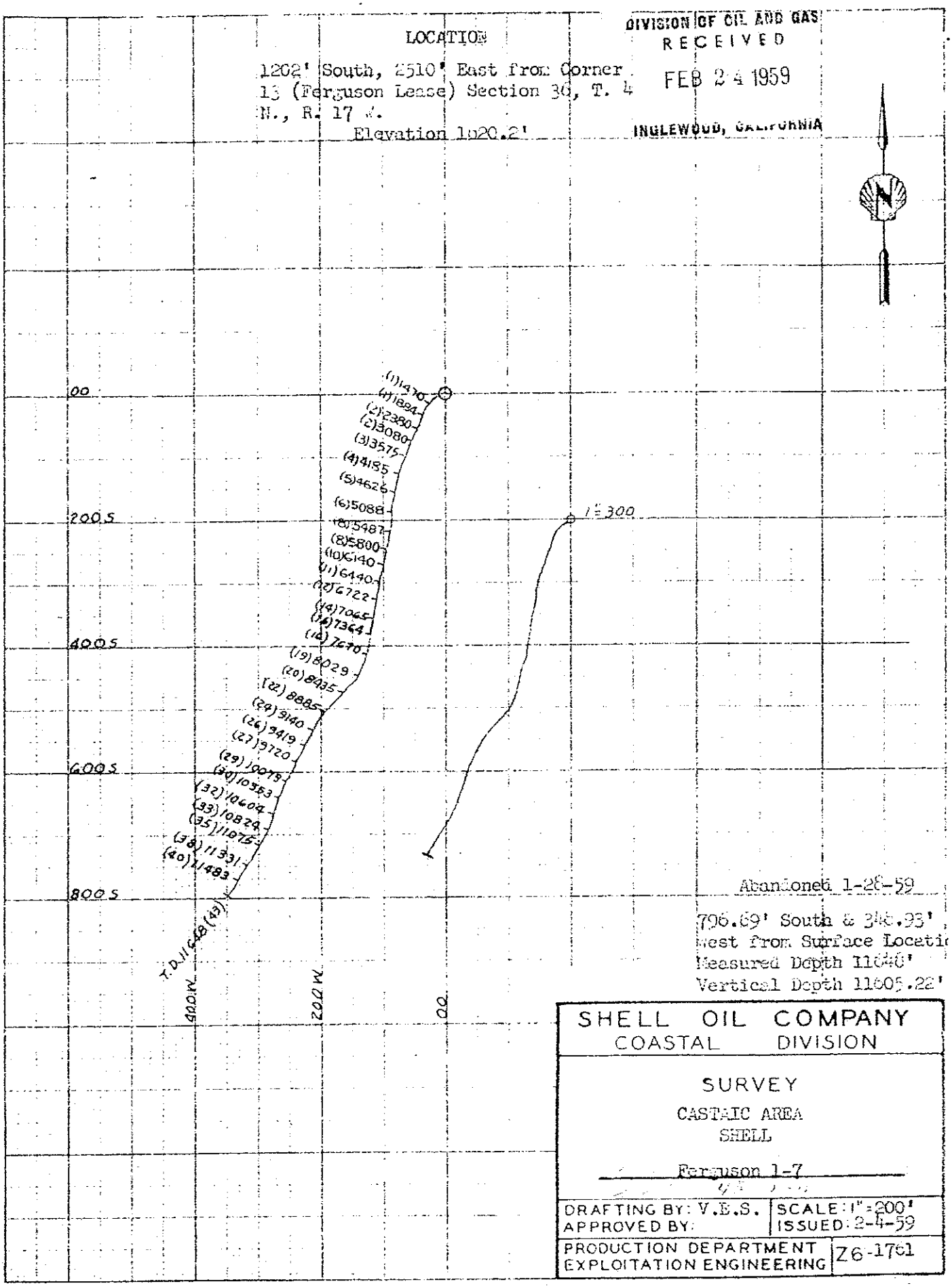
E. H. MUSSER
State Oil and Gas Supervisor

By _____ Deputy

JH
6

63193 9-57 12M ② SPO

7


LOCATION
1202' South, 2510' East from Corner 13 (Ferguson Lease) Section 36, T. 4 N., R. 17 W.
Elevation 1020.2'
DIVISION OF OIL AND GAS
RECEIVED
FEB 24 1959
INGLEWOOD, CALIFORNIA
00
200 S
400 S
600 S
800 S
400 W
200 W
00
1" = 300
(1) 1470
(1a) 1894
(2) 2380
(2) 3080
(3) 3575
(4) 4155
(5) 4626
(6) 5088
(7) 5487
(8) 5800
(10) 6140
(11) 6440
(12) 6722
(14) 7065
(15) 7364
(16) 7670
(19) 8029
(20) 8435
(22) 8885
(24) 9140
(26) 9419
(27) 9720
(29) 10075
(30) 10383
(32) 10604
(33) 10829
(35) 11075
(38) 11331
(40) 11483
T.D. 11648 (43)
Abandoned 1-28-59
796.69' South & 346.93' West from Surface Locati
Measured Depth 11648'
Vertical Depth 11605.22'
SHELL OIL COMPANY
COASTAL DIVISION
SURVEY
CASTAIC AREA
SHELL
Ferguson 1-7
DRAFTING BY: V.E.S.
APPROVED BY:
SCALE: 1" = 200'
ISSUED: 2-4-59
PRODUCTION DEPARTMENT
EXPLOITATION ENGINEERING
Z6-1761

FORM 111

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 158-713

Mr. Richard A Flohr
2080 Obispo Street
LONG BEACH 4 California
Agent for SHELL OIL COMPANY

Inglewood 3 Calif.
October 8, 1958

121

DEAR SIR:

Your proposal to drill Well No. "Shell Ferguson" 1-7,

Section 36, T. 4 N, R. 17 W, S B B. & M., Newhall-Potrero Field, Los Angeles County,

dated Oct. 2, 1958, received Oct. 6, 1958, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES

"Legal description of mineral right lease, consisting of 585± acres, is as follows: See Enclosures "A" and "B".

Do mineral and surface leases coincide? Yes X No ____

Location of Well: 1,202 feet south and 2,510 feet east from Corner No. 13, Ferguson Lease.

Elevation of ground above sea level 1,625± feet ____ datum.

All depth measurements taken from top of derrick floor which is 10± feet above ground."

PROPOSAL

"PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
11-3/4"	42#	H-40	Surface	1,100'±	1,100'±

Intended zone or zones of completion: Exploratory
(Name) (Depth, top and bottom)

Estimated total depth 11,500± feet

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. Sufficient cement shall be pumped back of the 11-3/4" casing to reach the surface.
2. Mud fluid consistent with good drilling practice shall be used and the column of mud flu maintained at all times to the surface, particularly while pulling the drill pipe.
3. Adequate blowout prevention equipment shall be installed and maintained in operating condition at all times.
4. This Division shall be consulted before running additional casing, or placing any plugs in the hole. Additional requirements may be specified at that time.
5. THIS DIVISION SHALL BE NOTIFIED TO INSPECT the installed blowout prevention equipment before drilling below 2000'.

DER:OH

cc Mr B P Eastin, Production Dept

E. H. MUSSER, State Oil and Gas Supervisor

By Wm C. Bailey, Deputy

Blanket bond.

63

58444 7-57 60M SPO

2

PARCEL 1:
That portion of the Rancho San Francisco, in the County of Los Angeles, State of Californi which is included within the following described boundaries:

Beginning at a point in the Southerly boundary of said Rancho, distant South 88° West thereon, 12246.01 feet from Survey Station No. 3 of the Patent Boundary of said Rancho; thence North 02° 27' 13" West 5272.77 feet; thence South 88° West 3000.82 feet; thence South 02° 27' 13" East 1503.20 feet; thence South 88° West to the Westerly line of the land described in deed to John F. Miller, recorded in Book 1022, Page 217 of Official Records of said County; thence South 02° 27' 13" East, along said Westerly line, 3769.57 feet, more or less, to the Southerly boundary of said Rancho; thence North 88° East, along said Southerly boundary 659.61 feet, more or less, to the Southwesterly corner of the land described in deed to Standard Oil Company, recorded in Book 622, Page 263 of Official Records of said County; thence North 25° 40' 04" West, along the Southwesterly line of said land, 1408.49 feet to the Northwesterly corner of said land; thence North 45° 14' East, along the Northwesterly line thereof, 191 feet to an angle point therein; thence North 89° 25' East, along the Northerly line of said land, 737 feet to the Northeasterly corner thereof; thence South 38° 23' East, along the Northeasterly line of said land, 1740.8 feet, more or less, to the Southerly boundary of said Rancho; thence North 88° East along said Southerly boundary, to the point of beginning.

EXCEPT any portion thereof included within any existing road.

PARCEL 2:
That portion of the Rancho San Francisco, in the County of Los Angeles, State of California, described as follows:

Beginning at a point in the Southerly boundary of said Rancho, distant South 88° West ther 12246.01 feet from Survey Station No. 3 of the Patent boundary of said Rancho; thence North 02° 27' 13" West 5272.77 feet; thence South 88° West 3000.82 feet for the true point of beginning; thence South 02° 27' 13" East 1503.20 feet; thence South 88° West to the Westerly line of the land described in deed to John F. Miller, recorded in Book 1022, Page 217 of Official Records of said County; thence North 02° 27' 13" West along said Westerly line, a distance of 1620.86 feet to an angle therein; thence Easterly in a direct line to the true point of beginning.

DIVISION OF OIL AND GAS
RECEIVED
OCT 6 1958
INGLEWOOD, CALIFORNIA

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
OCT 8 1958
INGLEWOOD, CALIFORNIA

037-12602

Venture, Calif. October 2, 1958

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. Shell Ferguson No. 1-7, Sec. 36, T. 4 N., R. 17 W., S.B. B. & M., ~~East Ventura Basin~~, Newhall-Potrero ~~Extension~~ Field, Los Angeles County.

Legal description of mineral right lease, consisting of 585± acres, is as follows: (Attach map or plat to scale)

See Enclosures "A" and "B".

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: ____ feet (Direction) along property line and ____ feet (Direction) at right angles to said line from the property corner of section

1,202 feet south and 2,510 feet east from Corner No. 13, Ferguson Lease.

Elevation of ground above sea level 1,625± feet datum.

All depth measurements taken from top of derrick floor (Derrick Floor, Rotary Table or Kelly Bushing) which is 10± feet above ground.

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
11-3/4"	42#	H-40	Surface	1,100'±	1,100'±

Intended zone or zones of completion: Exploratory (Name) (Depth, top and bottom)

Estimated total depth 11,500± feet

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
	K-U				

It is understood that if changes in this plan become necessary we are to notify you before running casing.

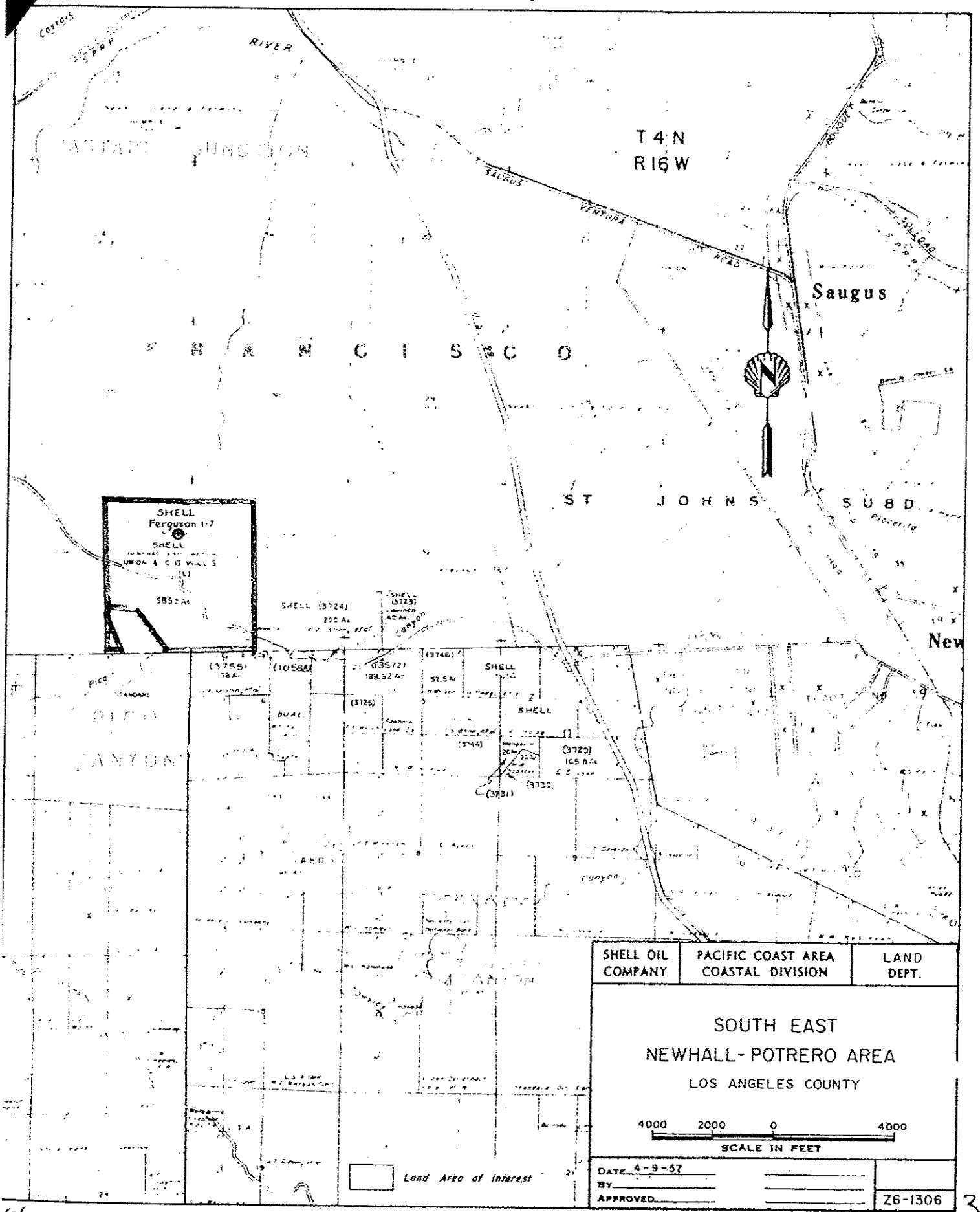
Address P. O. Box 691, Ventura, California

SHELL OIL COMPANY (Name of Operator)

Telephone Number Miller 8-2751

By J. M. Fillman

Type of Organization (Corporation, Partnership, Individual, etc.)



SHELL OIL COMPANY	PACIFIC COAST AREA COASTAL DIVISION	LAND DEPT.

SOUTH EAST
NEWHALL-POTRERO AREA
LOS ANGELES COUNTY

4000 2000 0 4000
SCALE IN FEET

DATE 4-9-57
BY
APPROVED

Z6-1306

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

August 31, 2000

Bradford A. DeWitt, Agent
Medallion California Properties Company
5400 Rosedale Hwy.
Bakersfield, CA. 93308

Your report of the plugging and abandonment of well "Ferguson" 2,

A.P.I. No. 037-12604, Section 36, T. 4N, R. 17W, SBB. & M.,

Newhall Potrero field, Los Angeles County,

dated 8-15-2000, received 8-28-2000, 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 6-22-2000.

2. Site inspection made and approved 8-15-2000.

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 Medallion Cal Oil Prop. Co.
WELL NO. "Ferguson" 2
MAP

A.P.I. 037-12100
SECTION 31 T. 4 N, R. 17 W

INTENTION	Abandon					
NOTICE DATED	9-28-99					
P-REPORT NUMBER	799-163					
CHECKED BY/DATE	SPH 7-5-00					
MAP LETTER DATED	7-8-00					
SYMBOL	⊕					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	10-4-99											
HISTORY	8-28-00	NA										
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP. OK	8-15-00 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. _____

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator Medallion Calif Properties Co | Field Newhall-Potrero | County Los Angeles
Well Ferguson No. 2 | Sec. 36 | T. 4N | R.17W | S.B.B.&M.
A.P.I. No. 037-12604 | Name S. W. VanNatta (Person submitting report) | Title Director of Reservoir Engineering (President, Secretary, or Agent)

Date Aug. 15, 2000 (Month, day, year)

Signature S. W. VanNatta

Address 7130 S. Lewis Ave, Suite 700, Tulsa, Oklahoma 74136 | Telephone Number 918/488-8283

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	
6/16/2000	MI & RU a Service Rig.
6/19/2000	WIH with 2 3/8" and 2 7/8' tubing to 7112' PBD. With end of tubing at 7108', mixed and spotted 76 CF of class "G" cement on bottom. Pulled 30 stands OOH. Estimated TOC at 6580'.
6/20/2000	WIH and tagged TOC at 6664'. Circulated 220 barrels of 72# mud from 6664' up to 1100'. Pulled 150 joints of tubing OOH.
6/21/2000	Finished POOH. Perforated from 1098' to 1100'. RD & MO Service Rig. MI a Coiled Tubing Unit. WIH with coiled tubing to 1100'. Mixed and pumped in 91 CF of class "G" cement. POOH. Pumped in and squeezed cement to 500 psi.
6/22/2000	WIH with coiled tubing and tagged top of cement at 886'. Circulated 31 barrels of 72# mud from 886' up to 100'. POOH. Perforated from 98' to 100'. Mixed and pumped in 7" casing 106 CF of class "G" cement and circulated out the 12 ¾" by 7" annulus. Had good cement returns. This P&A was approved by the DOGGR.

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VENTURA, CALIFORNIA

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DIV...ON OF OIL, ...AS, AND GEOTHERMAL RESO...ICES

T200-106

CEMENTING/PLUGGING MEMO

Operator MEDALLION CALIFORNIA PROPERTIES CO. Well No. "FERGUSON" 2

API No. 037-12604 Sec. 36 T. 4N R. 17W, SB B&M

Field NEWHALL POTRERO, County LOS ANGELES. On JUNE 22, 2000

Mr. / Ms. ANNELIESE ANDERLE, representative of the supervisor, was present from 0800 to 1200.

There were also present MR RICHIE McGOWAN

Casing record of well:

12 3/4" CEM 277'; 7" CEM 6833' W/50, CP @ 100' & 1100'; 4 3/4" Ld 6793'-7112', PERF 6843'-7112'. TD 7114'. PLUGGED W/ CEM 7108'-6664', 1100'-886' & 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 @ _____ ' are approved.

Hole size: _____ " fr. _____ ' to _____ ', _____ " to _____ ' & _____ " to _____ '

Casing				Cemented			Top of Fill		Squeezed Away	Final Pressure	Perforations
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
7"	23	0	6833		1100'	91 cf		886'	39 cf	500#	1100'

Casing/tubing recovered: PERF " Shot/~~cut~~ at 100', w/ 8 JS, _____ ', Pulled fr. _____ ';
PERF " Shot/~~cut~~ at 1100', w/ 8 JS, _____ ', Pulled fr. _____ '.

Junk (in hole): _____

Hole fluid (bailed to) at _____ '. Witnessed by _____

Mudding	Date	bbls	Displaced	Poured	Fill	Engineer
9.6 PPG	6-20-00	219	6664' → 1100'			A Anderle
GREAT	6-22-00	31	886' → 100'			
VISCOSITY						

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engineer	Depth	Wt/Sample	Date & Time	Engineer
6-20-00	76 cf	tbg @ 7108	[illegible]	RPE'd	6664'	tbg wt	6-20 @ 0900	A Anderle
6-22-00	91 cf	dry @ 1100'	[illegible]	RPE'd	886	dry wt	6-22-0730	A Anderle
6-22-00	106 cf	CIRCULATED	1030-1130	A Anderle	SURFACE	RETURNS	6-22-00 @ 1130	A Anderle

OGD10 (4/99) Printed on recycled paper.

C/O TO 7112' 6/20/2000 AA

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P299-153

PERMIT TO CONDUCT WELL OPERATIONS

500 (field code)
00 (area code)
---- (new pool code)
05 (old pool code)

Bradford DeWitt, Agent
Medallion California Properties Co.
5400 Rosedale Highway
Bakersfield, California 93308

Ventura, California
October 5, 1999

Your ____ proposal to abandon well "Ferguson" 2,
A.P.I. No. 037-12604 Sec. 36, T. 4N, R. 17W, SB B.&M.,
Newhall-Potrero field, ---------- Area 7th pool
Los Angeles County, dated 9/28/99 Receive 10/4/99 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 II2M requirements shall be installed and maintained in operating conditions 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 7,112'.
4. All portions of the well not plugged with cement are filled with an inert mud fluid having a minium density of 72 lbs./cu. ft. and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. Well site restoration is completed within 60 days following the plugging and abandonment of the well.
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 6,693'.
   b. To witness the mudding of the well.
   c. To witness the location and hardness of the cement plug at 1000'.
   d. To witness the placing of the surface plug in the 12-3/4" and in the 7" x 12-3/4" annuli.
   e. To inspect and approve the cleanup of the well site before approval of the abandonment will be issued.

Blanket Bond
SAF:saf

Engineer Steven A. Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, JR., State Oil and Gas Supervisor

By _____
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, GAS, AND GEOTHERMAL RESOURCES

CARDS
BOND BB
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 "Ferguson" #2 **API No.** 03712604 **Sec.** 36 **T.** 4N **R.** 17W **S.B. B.&M.**

Newhall-Potrero Field **Los Angeles County,** **starting work on** 10/15/99

The present condition of the well is

1. Total depth: 7,114 ft

2. Complete casing record, with plugs and perforations (present hole):

12-3/4" 43# J-55 csg cmt'd @ 277 ft.
7" 23# & 26# N-80 casing cmt'd @ 6,833 ft. Est TOC @ 6,143 ft (600 sx "G").
4-3/4" 16# J-55 liner hung at 7,112 ft. TOL @ 6,793 ft. Slotted 6,843 ft - 7,112 ft, 20 mesh.

3. Date last produced or injected: Pre-1976

Additional data for dry hole (show depths)

1. Oil or gas shows:

2. Stratigraphic markers:

Note: Well was a 1-2-3 zone producer.

3. Formation and age at total depth:

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:

Please see attached program.

RECEIVED
OCT 0 4 1999

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 5400 Rosedale Highway (Street)
Bakersfield, CA 93308 (City) (State) (Zip)
Telephone Number 661-823-9006 (Area Code) (Number)

Medallion California Properties Company (Name of Operator)
By C. D. Fiddler (Print Name)
(Signature) 9/28/99 (Date)

OG108 (8/97)

PROPOSED ABANDONMENT PROGRAM
FERGUSON WELL #2
SECTION 36, T4N, R17W, SBB&M
NEWHALL-POTRERO FIELD, LOS ANGELES COUNTY

1. RU Coil Tubing Unit (CTU); install Class II BOPE. RIH and lay a Class "G" cement plug in the 4-3/4" liner and 7" casing from 7,112 ft to 6,693 ft. Tag cement plug. DOGGR to witness location and hardness of plug. Fill 7" casing with 72# clay based mud from 6,693 ft to 1,100 ft.

2. RU perforators, RIH with cavity shot gear to 1,100 ft, make cavity shot. POOH with perforating gear. RIH with coil tubing, clean out to bottom of cavity if necessary and set Class "G" cement plug from 1,100 ft to 1,000 ft. Tag top of plug. DOGGR to witness location and hardness of plug.

3. Fill 7" casing with 72# mud from 1,000 ft to 100 ft.

4. RU perforators and shoot eight (8) 1/2" holes at 100 ft. RD perforators. RIH with coil tubing and circulate surface plug into 7" x 12-3/4" casing annulus and 7" casing. DOGGR to witness surface plugging. RD coil tubing unit.

5. Clear surface location, cut off casing five feet below ground level and weld on required well identification marker. DOGGR to witness plug prior to welding ID plate. DOGGR to make inspection of location after restoration.

CDF 9/28/99

FLUID LEVEL SURVEYS

Field: Newhall-Potrero
Inspector: Bruce H. Hesson
Date: August 23, 1991

WELL		Pressure	FLUID LEVEL (fbgl)
"Fergeson"	2	12	6541
"	4	230	4898
"	6	30	7595
"	7	175	7440
"	9	(Well is buried - to be tested later)	
"RSF"	24	15	5456
"	25	vac.	6076
"	31	40	5301
"	36	20	5332
"	47	vac.	4991
"	50	1	4898
"	51	4	3534
"	52	vac.	3503
"	124	17	4681
"	132	15	4371

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF PROPERTY AND WELL TRANSFER

Field or county		District
Newhall-Potrero		2 Ventura
Former owner	**Operator code**	**Date**
DKM Offshore Energy, Inc.	D0230	10-1-94

Name and location of well(s)

All wells previously owned by DKM Energy, Inc.
in Sec. 25, 26, 27, 31, 35, 36, T. 4N, R. 17W SBB&M.

Except:
"Rancho San Francisco" 152 (037-12654)

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Operator code	Type of organization
10-1-94	Medallion California Properties Company	M4805	Corporation
	Address 1400 Easton Dr., #133 Bakersfield, CA. 93309		**Telephone No.** (805) 395-3029

Reported by
Medallion California Properties Company

Confirmed by
DKM Offshore Energy

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**

Deputy Supervisor
Patrick J. Kinnear

Signature
Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121	TKC		Map and book 252+253	PC	1-3099
Form OGD140			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files	TKC	
Electric logs	TKC		Computer Files		
Production reports	TKC				

OGD156 (5/98)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF PROPERTY AND WELL TRANSFER

Field or county: Newhall-Potrero		District: 2 Ventura
Former owner: Tidelands Oil Production Company	Operator code: T2975	Date: 11-1-92

Name and location of well(s)

All wells previously owned by Tidelands Oil Production Company, in Sec. 25, 26, 27, 31, 35, 36, T. 4N, R. 17W SBB&M.

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange: 11-1-92	New owner: DKM Offshore Energy, Inc.	Operator code: D0230	Type of organization: Corporation
	Address: 1100 Louisiana, Ste.4550 Houston, Texas 77002		Telephone No.: (713) 739-0312

Reported by: DKM Offshore Energy, Inc.

Confirmed by: Tidelands Oil Production Company

New operator new status (status abbreviation): PA	Request designation of agent
Old operator new status (status abbreviation)	Remarks

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear PJK/1

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121	TKC		Map and book 252+253	PC	1-30-99
Form OGD140			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files	TKC	
Electric logs	TKC		Computer Files		
Production reports	TKC				

OGD156 (5/98)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-1	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance; or exchange	New owner / Address	Type of organization / Telephone No.
1/1/82	Sun Exploration & Production Co. P.O. Box 55060 Valencia, Ca. 91355	Company (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: Newhall-Potrero — District: 1

Former Owner: General Exploration Co. of Calif. — Date: March 3, 1965

Description of Property: Sec. 31, T. 4 N., R. 16 W., S.B.B.&M.
Sec. 36, T. 4 N., R. 17 W., S.B.B.&M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10- Sec. 36-4N-17W

Date of Transfer: January 1, 1965
New Owner: SUNRAY DX OIL COMPANY
Address: 23928 Lyons Avenue, Newhall, Calif.

Telephone No. 259-2440

Type of Organization: Corporation
Reported by: General Exploration Co. of Calif. on Dec. 1964 Production Report
Confirmed by: Sunray DX Oil Co. in letter dated 3-1-65
New Operator New Status PA , Old Operator New Status PA
Request designation of agent No

Remarks:

cc E. E. Murray-Aaron
Production Dept.
Conservation Comm.

Wm. C. Bailey
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M (2) SPO

SUBMIT LOG IN DUPLICATE

STATE PRINTING OFFICE — FILL BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
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JUN 30 1944
LOS ANGELES, CALIFORNIA

WELL SUMMARY REPORT

Operator General Exploration Company of Calif. Field Newhall-Potrero

Well No. Ferguson 2 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Location (2817' S. and 960' E. from N. corner of Easternmost line of Lot 10, measured parallel and normal to said line. Elevation of derrick floor above sea level 1450 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 1944

Signed C. J. Willis

Robin Willis (Engineer or Geologist)

C. C. Winslow (Superintendent)

Title C. C. Willis, President (President, Secretary or Agent)

Commenced drilling 10/20/43 Completed drilling 2/12/44 Drilling tools Rotary

Total depth 7114 Plugged depth

GEOLOGICAL MARKERS — DEPTH

Junk

Commenced producing 2/13/44 (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	420	34.0	1.0	100.	110	620
Production after 30 days	215	34.0	0.1	100.	175	600

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 Cementing if through perforations
12-3/4"	277	0	43#	New	Seamless	J-55	15"	220	
7"	6833	0		"	"	N-80	10-5/8"	600	
4-3/4"	7112	6793	16#	"	"	J-55	6-1/8"	Landed	

Perforations

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
4-3/4"	7112 ft.	6845 ft.	80 mesh, 2" slots	6	6"	Slotted pipe,
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

MAP | MAP BOOK | CARDS | BOND

Electrical Log Depths 6650', 6849', 7020', and 7086'. (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
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LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

OPERATOR GENERAL EXPLORATION CO. OF CALIF. FIELD (Ferguson) (Newhall-Potrero)

Well No. "Ferguson" #2, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed J. W. Ash

Date April 10, 1944 Title Agent (Agent)

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	
	Elevation 1448 feet.
10-20-43	Spudded in.
20-21	Drilled 15" hole to 277 feet. Set 277' of 12-3/4" 43#, surface casing with 220 sacks of cement.
10-24 to 1-4-44	Drilled 10-5/8" hole to 6853'. Cored: 2865-2885, 4070-4084, 4136-4156, 5891-5912, 6016-6036, 6674-6826, 6849-6853.
1-16-44	Ran Lane-Wells Electrolog, 277' to 6650'.
1-24-44	Ran Lane-Wells Electrolog, 6650' to 6848'.
1-25-44	Cemented 7" casing at 6833' with 600 sacks Oilwell cement.
2-1-44	Drilled out to 6838'. Ran Acme formation tester, set packer at 6808', open 1 hour, 8 minutes, medium intermittant blow, gas to surface in 30 minutes. Closed in for 30 minutes, built up 1200# pressure. Recovered 336' of gas-and oil-cut mud. W.S.O. approved by D.O.G.
2-2 to 2-10-44	Drilled 6-1/8" hole to 7114 feet. Cored: 6856-6901, 6930-7114.
2-6-44	Ran Lane-Wells Electrolog, 6833-7020'.
2-8-44	Ran Lane-Wells Electrolog, 7020-7086'.
2-11-44	Landed 319' of 4-3/4" 16# R-2 liner, 269' perforated, at 7112', top at 6793'.
2-12-44	Ran 2-1/2" tubing to 6742'.
2-13-44	Swabbed well into production. I.P. 353 B/D. 34.0°, 1.0%.

MAP	MAP BOOK	CARDS	BOND	FORM 114

31 99170 4-41 36250
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JUN 5 1944
LOS ANGELES, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator General Exploration Company of Calif. Field Newhall-Potrero

Well No. "Ferguson" 2 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
2865'	2885'	6.0 6.0			CORE #1 Shale, hard, dark gray, uniform, 43° dips.
4070'	4084'	-			CORE #2 No recovery.
4136'	4156'	16.0 16.0			CORE #3 Shale, dark gray, blocky streaks, fine gray sand, 30° - 33° dips.
5891'	5912'	6.0 11.0 17.0			CORE #4 Shale, light to dark gray, very sandy, full of irregular whorls and inclusions of gray sand. Dips 23° - 28°. Gray sand, fairly hard, coarse, light gray sandstone, few streaks shale, one 26° dip.
6016'	6036'	17.0 17.0			CORE #5 Shale, hard, dark gray, fragments (blocky) but not sheared, few streaks and whorls, fine gray sandstone. Good 26° - 28° dips.
6257'	-	1.0 1.0			CORE #5-A (Globe Basket) Gray sand, large core of medium coarse friable light gray sand.
6674'	6684'	4.5 4.5			CORE #6 Shale, hard, fine, silty, medium gray silty, cross bedded, two feet 30-50% very hard, fine white sandstone in lenses, whorls and streaks up to 2", no cut, faint tarry odor. Dip irregular, estimated 5° - 10°.

.01 99170 4-41 36250
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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

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JUN 5 1944
LOS ANGELES, CALIFORNIA

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator General Exploration Co. of California Field Newhall-Potrero

Well No. "Ferguson" 2 Sec. 36, T. 4N, R. 17W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
6684'	6694'				CORE #7
		5.0			Shale, hard, fine silty, medium gray, silty cross bedded, 20% fine white sandstone, one 3" streak at 4.0, 10-12° dips.
		6.0			Shale, hard, uniform, dark gray, few scattered thin lenses of fine white sandstone.
		11.0			
6694'	6703'				CORE #8
		4.8			Shale, grey, hard, dense, two or three thin streaks of fine gray sandstone, irregular 11-14° dips.
		4.8			
6703'	6711'				CORE #9 (partly bottom of #8)
		9.5			Shale as above, some slightly poker chipped with good 5-7° dips.
		9.5			
6711'	6721'				CORE #10
		9.7			Shale as above, no reliable dips.
		9.7			
6721'	6727'				CORE #11
		5.0			Shale as above, one good 6° dip.
		5.0			
6727'	6729'				CORE #12
		2.3			Shale as above, one 1/2" streak of fine whorly light gray sandstone.
		2.3			
6729'					Globe Basket
		1.2			Shale as above.
		1.2			
6729'	6739'				CORE #13
		6.7			Shale as above, last foot 50% very fine whorly white sand, stringers, lenses, and inclusions.
		6.7			

J1 99170 4-41 36250
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JUN 1944
LOS ANGELES, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator General Exploration Co. of Calif. Field Newhall-Potrero

Well No. "Ferguson" 2 Sec. 36, T. 4N, R. 17W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
6739'	6741'	2.3			CORE #14 Shale as above, large core out of drill collar.
		2.3			
6741'	6743'				CORE #15 No recovery.
6743'	6753'	10.0			CORE #16 Shale, hard, dark gray, massive, some fine sandstone, whorls near top, blocky fracturing, no good dips.
		10.0			
6753'	6763'				CORE #17 No recovery.
6763'	6767'	2.9			CORE #18 Shale, hard, dark gray, sandy, many streaks, fine white to medium gray sandstone, lenses, very irregular bedding, no reliable dips.
		.4			Shale and sandstone, gray shale matrix with hard disseminated lenses, coarse gray sandstone, slight cut in spots.
		3.3			
6767'	6777&	.2			CORE #19 Shale, hard, dark gray, 1/4" streak, fine, hard, light brown oil sand.
		.5			Oil sand, hard, fine, light brown, and shale fragments, packed in barrel. Clear amber cut.
		2.3			Shale, hard, dark gray, several streaks, very fine, light gray sandstone, irregular dips from 5° to 10°.
		.5			Shell, very hard, white coarse sandstone.
		3.9			Shale as above, fair 10° dips.
		.5			Shell as above.
		7.9			

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Operator General Exploration Co. of Calif. Field Newhall-Potrero

Well No. "Ferguson" #2 Sec. 36, T. 4N, R. 17W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
6777'	6787'				CORE #20
		1.6			Shale, hard, dark to medium gray, sandy, variable dips, 5° to 20°, average 10°, on fine sandstone streaks, one 1" brown limestone inclusion pebble.
		.5			Shell as above, brown limestone inclusion in bottom.
		5.5			Shale as above, streaks fine to medium white sandstone, very irregular bedding. Some low angle shearing and slickensides at 3.7 and 5.3'.
		7.6			
6787'	6790'				CORE #21
					No recovery.
6790'	6800'				CORE #22
		6.1			Shale, hard medium gray to gray-brown, sandy, very irregular bedding, dips under 10°.
		.5			Shell as above.
		1.5			Shale, as last above.
		8.1			
6800'	6809'				CORE #23
		4.3			Shale as last above, 1" shell near top. Loss may be streaks of softer material in core.
		4.3			
6809'	6816'				CORE #24
		.4			Sandstone, hard, medium gray, fine laminated 10° dips (unreliable).
		1.0			Shale, hard, brown-gray, sandy, whorls fine white sandstone.
		.5			Shell, hard, light gray, medium to coarse sandstone, streaks shale.
		4.0			Shale, hard, brown-gray, sandy, irregular bedding, 5-10° dips.
		5.9			

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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

RECEIVED
JUN 2 1944
LOS ANGELES, CALIFORNIA

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIF. Field Newhall-Potrero

Well No. "Ferguson" #2 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
6816'	6826'				CORE #25
		5.4			Shale, hard, gray and gray-brown, sandy, fine whorls white sandstone, low irregular dips.
		.3			Sandstone, white, fairly hard, slightly friable, no cut nor odor.
		5.7			
					CORE #26
6843'	6853'	4.0			Oil sand, firm, friable, fine, uniform, light brown, fair quick gasoline odor followed by rather weak oily odor, clear light amber cuts. Sample at top and bottom.
		The following cores were described but the descriptions were lost.			
6854'	6864'				CORE #27
6864'	6871'				CORE #28
6871'	6881'				CORE #29
6881'	6889'				CORE #30
6889'	6897'				CORE #31
6897'	6901'				CORE #32
6901'	Basket				CORE #32-A
6930'	6940'				CORE #33
6940'	6949'				CORE #34
6949'	6959'				CORE #35
6959'	6969'				CORE #36
6969'	6979'				CORE #37
					General description:
				8'	Faulted soft shale streaks and mixed with oil sand, dips variable. Faulted and slickensided (chewed up fault planes 45°-65°).
					Detail:
					18" hard somewhat broken shale, dips in top 10°-15° and down to 5° shale full of fine sand whorls.
					3" broken and crushed shale, good plane of crushing about 70°. Some oil sand mixed in small batches.
					1' of sandy shale, fine whorls of sand, good dips.
					2" shale gouge (black rotten crushed shale)
					6" hard sandy shale as before dips.
					1' mashed soft shale and oil sand mixed and crushed.

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DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIF. Field Newhall-Potrero

Well No. "Ferguson" #2 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
6979'	6989'				CORE #38 2" sandy shale sheared and crushed at 60° (might be dips).
6989'	6999'				CORE #39 2" powdery yellow oil sand. (fine to medium crushed into core catcher.)
6999'	7009'				CORE #40 4' medium good looking oil sand, soft friable, excellent cut and odor, appears full of small inclusions of either mud or gouge, possibly faulted, no dip. 2" drilled up shale in bottom.
7010'	7020'			10'	CORE #41 3' of fairly hard sandy shale, dips going from 70° at top to 85°, sheared and brecciated in places at 70° - 90°, on shear places, no cut but sand only in fine whorls. 6' of fine sand or sandy shale, oil and gas well throughout, fractured and brecciated with shale inclusions, dips nearly vertical discernable. 8" of fractured less sandy shale, 70° dip 8" off bottom.
7020'	7030'				CORE #42 Recovered a foot of shale pieces, 65°-67° dip, fair dip, oil smell in one sandy place, hard gray blocky sandy shale.
7030'	7040'				CORE #43 Recovered 4"- 1" fine sand showing oil in bottom of mud at top of core, rest shale as above. one crushed piece 60° (might be dip).
7040'	7051'				CORE #44 Recovered 1.3' soft shale and fine sand cuttings packed into barrel (sand cuts) probably represent formation chewed up in coring. 1' fine oil sand, soft fine uniform clayey impregnated with bentonite or drilling mud (light gray), quick dark greenish-

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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CAL.,Y. Field Newhall-Potrero

Well No. Ferguson #2 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #44 Cont'd. brown cut. 1.8' of shale and fine brownish sand cutting twisted into spiral as above. .6' gray sand, soft, very coarse almost white conglomeratic sand, no cut nor odor, clayey matrix shot thru with grayish bentonite or drilling mud. Has appearance of possibly being fault gouge. 2' of oil sand? Fine to coarse poorly sorted soft light brown sand, quick gasoline odor, straw cut. Full of bluish gray bentonic appearing soft clayey streaks 3" in core catcher gray conglomeratic sand, not much of above bentonic material nor gouge appearance, no cut or odor. Gas bubbles in mud around shaley parts of core.
7051'	7061'				CORE #45 .2' oil sand, conglomerate hard. .1 hard shale, 17° dip, good 2.0 oil sand, fine light brown, partly shot through with sand, good odor, clear dark amber cut. Little free oil in mud.
7061'	7071'				CORE #46 .2 shale, hard dark gray shale, good 8° - 10° dip. .2 oil sand, firm, coarse, poorly sorted, light brownish gray, good odor. 2.0 Hard to very hard light gray medium to conglomeratic sandstone shell, low dips. 1.8 Oil sand, firm friable pebbly fine matrix, light brown, good odor, clear amber cut, slight free oil stain on partings. Sample.
7071'	7081'				CORE #47 Recovered 3" of thin hard conglomeratic shell, ground up conglomeratic shell or sand in core catcher, very slight but definite cut and odor.
7081'	7085'				CORE #48 2' of firm friable oil sand, coarse poorly sorted pebbly. Sample. Good amber cut

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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIF. Field Newhall-Potrero

Well No. Ferguson #2 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #48 Cont'd. comes out fairly slowly. Excellent gasoline odor. Two half inch flattish pieces of green metamorphic rock apparently section of small flat boulder. 3/4" sandy shale shell, hard with contact of pebbly sand on top and bottom dips under 5°. 4" of ground up oil sand as above, very light cut, apparently washed in coring, surrounded by thin coating of gummy shale cuttings. 2" same in core catcher. Pebbles in above up to 1/4" diameter, white. 1/2" brown firm shale ground up into gummy cake in bottom of core shoe. Little free oil on breakage planes of above sand.
7086'	7097'				CORE #49 Handful of schist pebbles and conglomerate oil sand, light amber cut. 1" of hard cemented shale impregnated with gravel top and bottom. Hard gray sandy.
7097'	7103'				CORE #50 1' hard shaly shell in one piece. (Sample) Conglomerate top and bottom. Shale dips 0° to 90° in folded waves. Sand and hard shale in core catcher. Sand shows very light cut.
7103'	7109'				CORE #51 4" conglomeratic shaly shell. Several cones of boulders 1" - 3" long of greenish rock. Shale and sand ground into core barrel, sand gives light amber cut. Shale on bottom.
7109'	7112'				CORE #52 1/2" pebbly coarse oil sand, good cut and odor. 3" hard gray sandy shale. occasional pebbly inclusion oil sand on top of core catcher. Hard gray sandy shale in bottom of catcher, sand amber cut. Taking

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JUN 2 1941
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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIF. Field Newhall-Potrero

Well No. "Ferguson" #2 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #52 Cont'd.
					piece of sandy shale for dip reading.
					Dip 18°. 3/4" of shale just above it
					shows 50° dip. One other shale dip 25°.

MAP	MAP BOOK	CARD	BOND	FORM 9 114	FORM 9 121

ORM 109-A

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-42547

Mr. C. G. Willis, Los Angeles 14, Calif. February 4, 1944.
Los Angeles 13, Calif.

121

Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your well No. "Ferguson" 2, Sec. 36, T. 4 N., R. 17 W., S.B. B. & M. Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on February 1, 1944. Mr. J. H. Show, Inspector, designated by the supervisor, was present as prescribed in Sec. 3222 and 3223, Ch. 93, Stat. 1939; there were also present C. C. Winslow, Superintendent Forest Dahl, Drilling Foreman

Shut-off data: 7 in. 23, 26 lb. casing was cemented at 6833 ft. on January 25, 1944 in 10-5/8" hole with 600 sacks of cement of which 11 sacks was left in casing.
Casing record of well: 12-1/2" cem. 276'; 7" cem. 6833', W.S.O.

Reported total depth 6853 ft. Bridged with cement from - ft. to - ft. Cleaned out to 6853 ft. for this test. A pressure of 1200 lb. was applied to the inside of casing for 30 min. without loss after cleaning out to 6770 ft. An Acme tester was run into the hole on 3-1/2 in. drill pipe, with - ft. of water cushion, and packer set at 6812 ft. with tailpiece to 6818 ft. Tester valve, with 3/32" bean, was opened at 4:07 p.m. and remained open for 1 hr. and 8 min. During this interval there was a medium heading blow. Gas reached the surface in 30 minutes.

THE INSPECTOR ARRIVED AT THE WELL AT 7:30 P.M. AND MR. WINSLOW REPORTED:

1. An 11" rotary hole was drilled from 276' to 6000', and a 10-5/8" rotary hole from 6000' to 6853'.
2. Electrical core readings showed the top of the Second zone at 6847'.

THE INSPECTOR NOTED:

1. When the drill pipe was removed 336' of slightly oily to very oily and gassy drilling fluid was found in the drill pipe above the tester, equivalent to 2.5 bbl.
2. There was no free water.
3. The recording pressure bomb chart showed that the tester valve was open during the entire test.

The test was completed at 9:10 p.m.

THE SHUT-OFF IS APPROVED.

cc- Company
JHS: ehh

R. D. BUSH, State Oil and Gas Supervisor

By E H Musser, Deputy

21027 2-43 7500
STATE PRINTING OFFICE

ORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-42214

Los Angeles 14, Calif. October 27, 1943.

Mr. C. G. Willis,
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

121

DEAR SIR:

Operations at your well No. "FERGUSON" 2 Sec. 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by S. H. Rook, Inspector, representative of the supervisor, on October 25, 1943. There was also present G. W. Dirt, Driller, and H. E. Schumacher, Derrickman.

Casing Record 12-1/2" cem. 276'. T.D. 606'.

Junk xxxx

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 8:00 a.m. and ~~Mr~~ noted that the well was equip~~reported~~ped with the following blowout prevention equipment:

1. A Shaffer gate for closing in the well with the drill pipe out of the hole.
2. A Shaffer ram-type gate for closing around the 5-9/16" drill pipe.
3. The controls for the above equipment were located outside the derrick.
4. A 3" mud fill-up line, with a 3" high pressure stopcock into the 12-1/2" casing below the above equipment.
5. A high pressure stopcock on the standpipe.

The inspection was completed at 8:20 a. m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

cc- Company
SHR:OH
R/5

R. D. BUSH
State Oil and Gas Supervisor
By E. H. Meussen Deputy

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STATE PRINTING OFFICE

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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-38183

Los Angeles, Calif. February 13, 1943.

Mr. O. G. Willis,

Los Angeles, Calif.

President ~~Agent~~ for GENERAL EXPLORATION COMPANY OF CALIFORNIA

Dear Sir:

Your proposal to drill Well No. "FERGUSON" 2,

Section 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County,

dated Feb. 10, 1943, received Feb. 11 1943, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 2817 feet S. and 960 feet E. from N. Corner of Eastermost line of Lot 10, measured parallel and normal to said line.
The elevation of the derrick floor above sea level is 1450 feet approximately.
We estimate that the first productive oil or gas sand should be encountered at a depth of about 6800 feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
12-3/4"			300	Cemented
7"			6800	"
4-3/4" Liner			6750-7150	Landed

Well is to be drilled with rotary tools.
It is understood that if changes in this plan become necessary we are to notify you before cementing or landing 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 pipe.
2. Adequate blowout prevention equipment shall be provided and ready for use at all times.
3. Any hole to be sidetracked in any oil zone shall be filled with cement, if possible.
4. The formations to be left back of the 7" casing shall be mudded in a manner consistent with good drilling practice.
5. This division shall be notified to examine cores and/or electrical log before running the 7" casing.
6. The column of mud fluid back of the 7" casing shall be maintained to the surface for at least 30 days after cementing this casing.
7. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the blowout prevention equipment and installation before drilling below 1500'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

NOTE: Issuance of this report was held in abeyance pending receipt of drilling bond, which was not received until February 17, 1943.

cc- Company
EEMA:OH

R. D. BUSH
State Oil and Gas Supervisor

By [signature] Deputy

Bond No. 112555

FORM 105.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

RECEIVED
FEB 11 1943
LOS ANGELES, CALIFORNIA

037-12604

Notice of Intention to Drill New Well 10

This notice must be given and surety bond filed before drilling begins.

Los Angeles, Calif. February 10 19 43

DIVISION OF OIL AND GAS
629 South Hill Street
Los Angeles, California Calif.

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of drilling well No. "Ferguson" #2, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

Lease consists of 500 acres

The well is 2817 feet ~~N.~~ or S., and 960 feet E. ~~W.~~ from (N. Corner of Eastermost line of Lot 10, measured parallel and normal to said line.
(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor ~~ground~~ above sea level is 1450 feet. approximately

We estimate that the first productive oil or gas sand should be encountered at a depth of about 6800 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
12-3/4"			300	Cemented
7"			6800	"
4-3/4" Liner			6750-7150	Landed

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 1135 Subway Terminal Building
417 South Hill Street
Los Angeles, California
Telephone number MU-2156

GENERAL EXPLORATION COMPANY OF CALIFORNIA
(Name of Operator)
By C. G. Willis
C. G. Willis, President

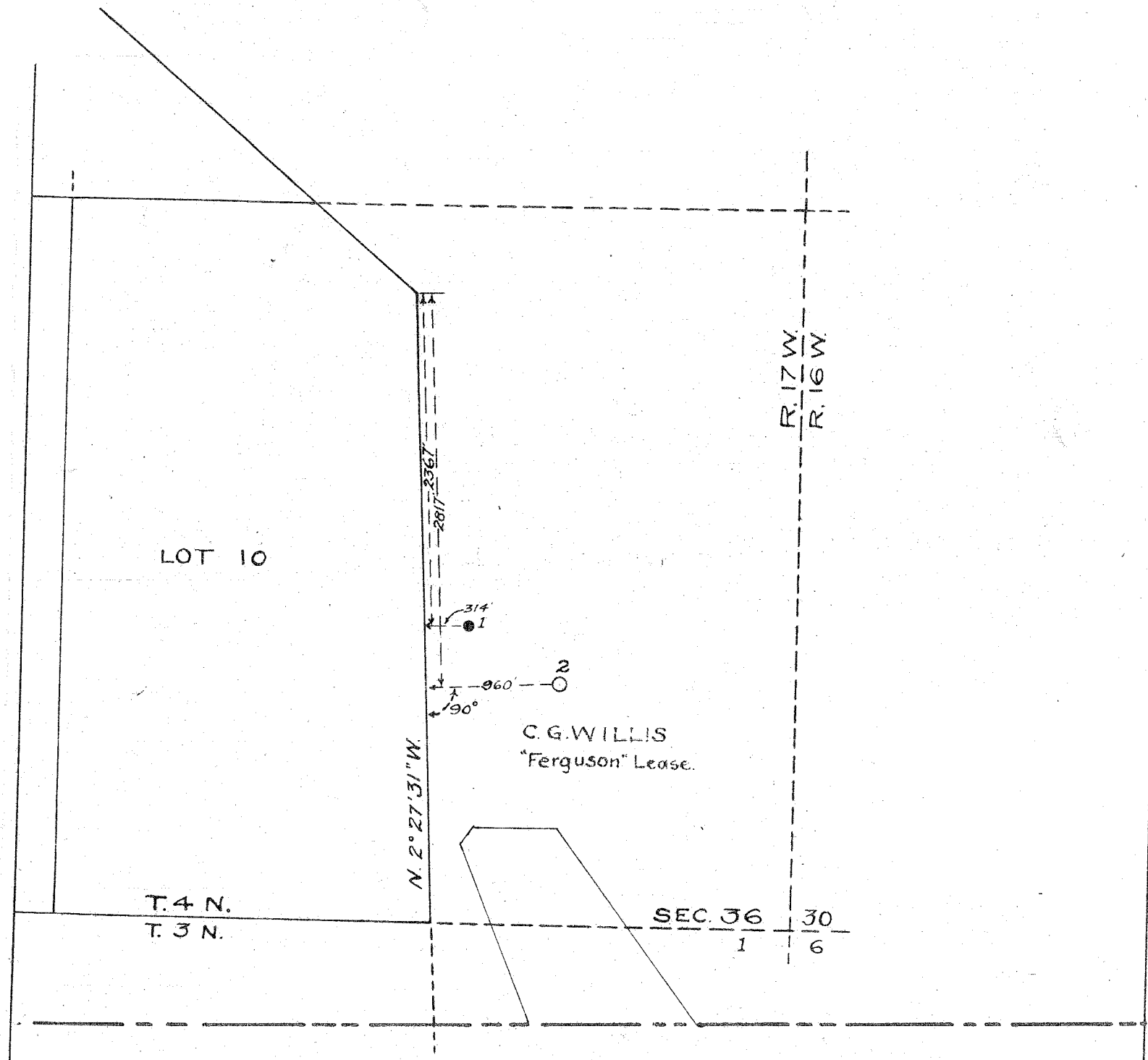
ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

Elevation	Mapped	Checked Location	Cards	Posted	
				11	12
18a JLW.				✓	✓

Book 2-17-43 JLW.

860'S 980'E fr. Center Sec 36 JLW.

BOND NO. 112-555



Location of Oil Well

C. G. WILLIS, FERGUSON #2.

Newhall-Potrero Field,
Los Angeles County, California.

Scale: 1" = 1000'

February 9, 1943.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

NOTICE OF RECORDS DUE

Ventura, California

August 18, 1999

Jerry Schamp
STEVENSON RANCH VENTURA, LLC.
15300 Ventura Blvd., Ste. 500
Sherman Oaks, CA. 91403

SECOND NOTICE

In accordance with Division 3 of the Public Resources Code of California, the following records are due, covering the abandonment (Notice dated 4-8-98) of your well(s) Shell Western E&P Inc., "Shell Ferguson" 2-7 Los Angeles Field, Los Angeles County, Sec. 31, T. 4N, R. 16W, S.B. B.&M.

RECORDS: Records are due within 60 days after completion, suspension, or abandonment of any well, or upon completion of additional work in any well. Records shall be submitted in duplicate. Division forms must be signed in the spaces provided.

OIL AND GAS OPERATIONS

_____ Well Summary

_____ Core or Sidewall sample Analysis

__X__ History (Form OG103)

'T

LOGS, TESTS, AND SURVEYS: All logs, tests, and surveys are due within 60 days after completion, suspension, or abandonment of any well, or upon completion of additional work in any well. Logs, tests, and surveys shall be submitted in duplicate.

_____ Electric log (1"= 50 ft.)

_____ Directional Survey

_____ Dipmeter (Computed)

_____ Two copies of all logs run on each well

_____ Velocity Survey

_____ Mud Log

_____ Pressure Measurements (flowing and static)

_____ Water Analysis

_____ Oil and Gas analysis

_____ Temperature Survey

_____ Injection Survey

_____ Cement Bond Log

___ Other

Name: Paul Cronmiller | Title: Oil & Gas Engineer

Signature: Paul C. Cronmiller | Telephone Number (805) 654-4761

OG170 (Modified 9/93)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T299-53

Report on Operations

Jerry Schamp
STEVENSON RANCH VENTURA, LLC.
15300 Ventura Blvd., Ste. 500
Sherman Oaks, CA. 91403

Ventura, California
March 4, 1999

Your operations at well Shell Western E&P "Shell Ferguson" 2-7, API No. (037-05900), Sec. 31, T. 4N, R. 16W, S.B. B.&M. --- Field, in Los Angeles County, were witnessed on 3-3-99. Steve Mulqueen, representative of the supervisor, was present from 1100 to 1300. There were also present Greg Millikan

Present condition of well: 11 3/4" cem 1214'. TD 12464'. Plugged w/ cem 12462'-11926', 3942'-3747', 1296'-806' & 10'- surface. Extended 11 3/4" surface casing 62' & plugged w/ 45 cf cem to surface.

The operations were performed for the purpose of preparing the well for re-abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

CBT

CC: Greg Millikan
31344 Via Colinas, Ste. 104
Westlake, CA. 91362

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
for Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

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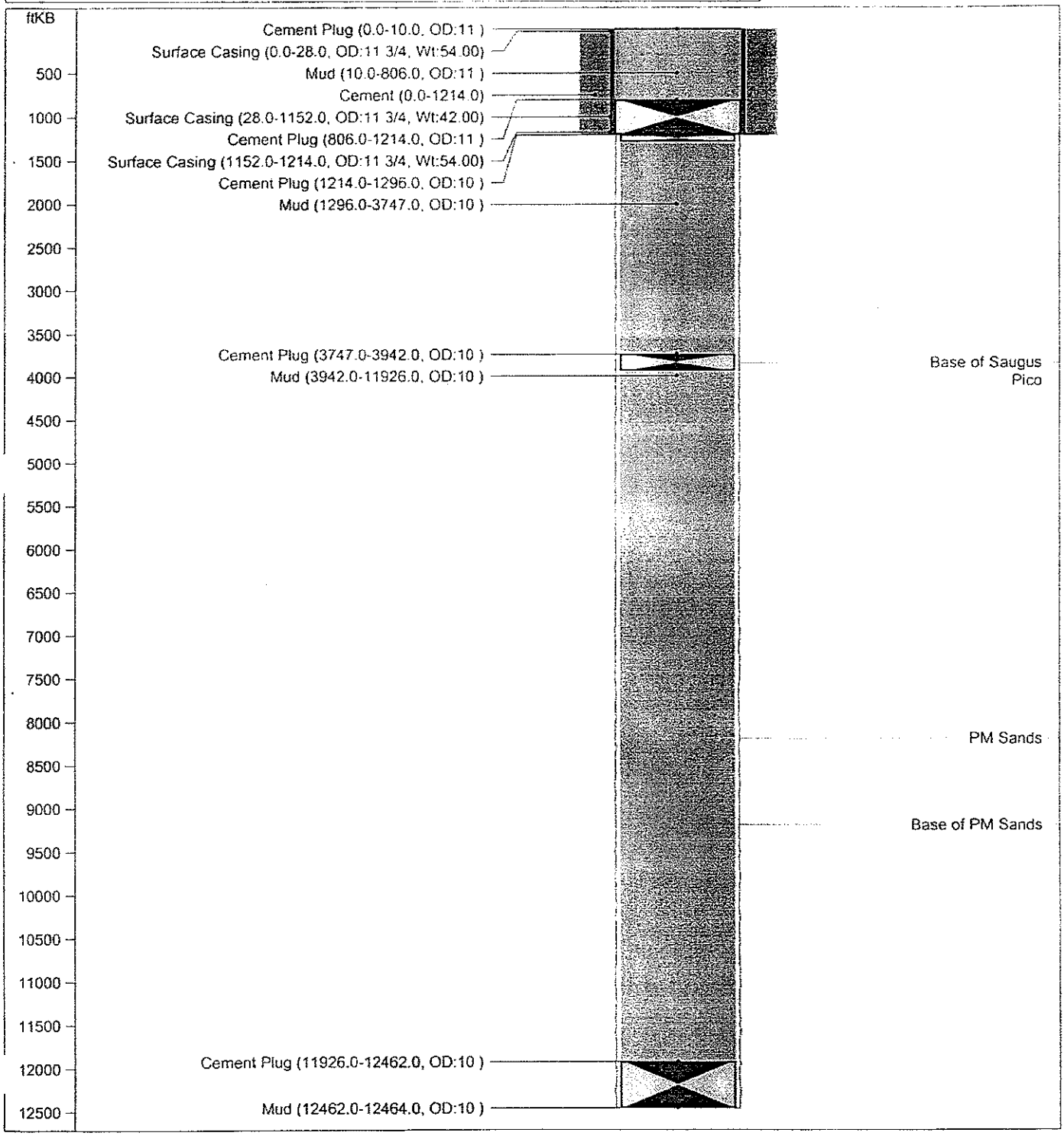
04037059000000	
Well Name	SHELL FERGUSON 2-7
Operator	SHELL WESTERN E. & P. INC.
Field Name	ANY FIELD
TD	12464.0 ftKB
BTD	0.0 ftKB
Approval Date	14-Apr-59
Spud Date	16-Apr-59
TD Date	21-Jun-59
Production Date	
Injection Date	
P/A Date	24-Jun-59

Division of Oil & Gas Conservation



3/3/99

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY SWEPI WELL NO. Ferguson 2-7

API NO. 037-05900 SEC. 31, T. 4N, R. 16W, SB B.&M.

COUNTY LA FIELD

RBDMS DATA ENTERED: 1/13/98
(DATE)

BY: [illegible]
(NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

UPDATED 3-3-99 S. MULQUEEN

WELL CONSTRUCTION DATA ONLY

T294-55

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CEMENTING/PLUGGING MEMO

Operator STEVENSON RANCH VENTURA, LLC Well No. "SHELL FERGUSON" 2-7 (SHELL WESTERN E&P INC.)

API No. 037-05900 Sec. 31, T. 4N, R. 16W, SB B&M

Field ——— County LOS ANGELES On 3-3-99

Mr. ~~Mrs.~~ STELE MULQUEEN, representative of the supervisor, was present from 1100 to 1300.

There were also present GREG MILLIKAN

Casing record of well: 11 3/4" cem 1214'. TD 12464'. Plugged w/ cem 12462'-11926' 3942'-3747', 1296'-806' + 10' - SURFACE. EXTENDED 11 3/4" SURFACE CASING 62' & PLUGGED w/ 45 cf cem TO SURFACE.

The operations were performed for the purpose of preparing the well for RE-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: _____" shot/cut at _____', _____', _____' pulled fr. _____';

_____" shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at DRY '. Witnessed by _____

Mudding	Date	bbls.	Displaced	Poured	Fill	Engr.

EXTENDED CASING 62' (11 3/4", 60#)

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
3-3-99	45 cf*	SURFACE POUR	1100	SPM	3'	VISUAL	3/3 1300	SPM

*w/ 3% Ca Cl2

OGD10 (11/93/GSR1/SM)

CC: GREG MILLIKAN 31344 VIA COLINAS WESTLAKE VILLAGE CA

SEE COORDINATES ON BACK

8

17

"SHELL FERGUSON" 2 - 7

COORDINATES

LEGHATON + ASSOC.		PROJECT COORD
4255262 N	=	24203
4104653 E	=	46095

W.H. ELEVATION 1686' ON 3-3-99
(W.H. WILL BE 1708' w/ FINISHED GRADE 1735')

DOGGR GPS

34° 23' 31.829"
-118° 36' 22.294"

BOWIE, ARNESON, WILES & GIANNONE

A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS
ATTORNEYS AT LAW

ALEXANDER BOWIE*
JOAN C. ARNESON
WENDY H. WILES*
PATRICIA B. GIANNONE
ROBERT E. ANSLOW
DANIEL J. PAYNE
BRIAN W. SMITH
KRISHAN CHOPRA
CARMEN A. BROCK
JULIA D. RICE
ELIZABETH K. BAUER

*A PROFESSIONAL CORPORATION

6920 CAMPUS DRIVE
NEWPORT BEACH, CALIFORNIA 92660
(949) 451-1500

3403 TENTH STREET, SUITE 715
RIVERSIDE, CALIFORNIA 92501
(909) 222-2750

(800) 423-6054
FAX (949) 853-2014

RESPOND TO NEWPORT BEACH
KEY CODE FILE

13015M1

February 4, 1999

VIA FACSIMILE: (310) 277-7889

Kenneth B. Bley, Esq.
Cox, Castle & Nicholson, LLP
2049 Century Park East
28th Floor
Los Angeles, California 90067

Re: Interim School Facilities Site
Stevenson Ranch

Dear Mr. Bley:

As you may be aware, the Newhall School District ("District") has undertaken an evaluation of the Interim School Facilities Site (Parcel A of Parcel Map Number 15955) ("Interim Site") proposed by Stevenson Ranch Venture, LLC ("SRV") as the property to be subject to the Lease referenced in the Interim School Facilities Agreement. In compliance with the California Environmental Quality Act ("CEQA"), the Public Resources Code, and the Education Code, the District has undertaken at its own expense a Phase I environmental assessment of the site. The purpose of this letter, therefore, is to inform SRV and SRV's managing entity, Lennar Communities ("Lennar") of steps that must be taken before the District will be in a position to approve the proposed Interim Site.

Approximately one month ago, as part of its field site reconnaissance, the District's environmental analysts, GeoSoils, Inc., identified a metal riser protruding from the face of the temporary fill slope south of the Interim Site. The metal riser proved to be a vent pipe associated with an old oil well ("Shell Ferguson 2-7"), previously abandoned in 1959.

BAW&G/CAB/ad/55041

BOWIE, ARNESON, WILES & GIANNONE
Kenneth B. Bley, Esq.
February 4, 1999
Page 2

Further investigation determined that at the time of the initial grading of the Interim Site by Lennar in the Spring of 1998, a representative of the Department of Conservation, Division of Oil Gas and Geothermal Resources ("Division of Oil and Gas") conducted a gas test to ascertain the condition of the well. The test revealed methane gas emissions at the well site, leaking at 150 percent of the Lower Explosive Limit. The Division of Oil and Gas, therefore, determined the well would require re-abandonment pursuant to the Public Resources Code Section 3208.1.

Due to the location of the well on an existing slope, we have learned that the Division of Oil and Gas authorized Lennar to re-abandon the well in two phases. During the first phase, the current casing for the well vent is to be extended to the proposed final grade level. During the second phase, the well is to be re-drilled, cleaned out, and a cement plug is to be placed. A permit to conduct the well operations has been approved by the Division of Oil and Gas; however, through recent discussion with Gregory Millikan of EnviroPacifica, Inc. (Lennar's environmental consultant) and Tom Banks from Lennar, we have learned that final completion of the well abandonment will not take place until after final grading of the area, which is not anticipated to occur for approximately 18 to 36 months.

As you know, in order for the Governing Board ("Board") of the District to approve the Interim Site for school purposes, Education Code Section 17213 requires the Board determine the Interim Site does not contain any pipeline situated underground or aboveground which carries hazardous substances, acutely hazardous material, or hazardous wastes, or is a site that emits hazardous emissions into the ambient air that would pose a risk to the health of persons attending or employed at the school site (Education Code Section 17213(a) (3), (B).) Despite the fact that the Air Quality Management District ("AQMD") has found no hazardous air emitting industrial facilities within 1/4 mile of the proposed site, the AQMD does not monitor the presence of other facilities, such as the heretofore unrecognized abandoned oil well. As such, as lead agency, the District must determine that all hazardous emissions from the well site have been remediated to the satisfaction of the Division of Oil and Gas before we will be in a position to approve the Interim Site for school purposes.

The District had previously calendared approval of the Interim Site and adoption of the Proposed CEQA Mitigated Negative Declaration for the February 16, 1999 Board meeting. However, given the status of the abandoned oil well, the Board is not in a position to approve the Interim Site at this time.

However, it is possible for the Board to approve the Interim Site subject to specific conditions, including the requirement that corrective measures as ordered by the Division of Oil

and Gas will, prior to the occupation of the Interim School Facilities in August 1999, result in the mitigation of all hazards to levels that do not constitute an actual or potential public endangerment. (Education Code Section 17213(c)(2)(B).) If the Board makes such a finding and conditionally approves the Interim Site subject to completion of mitigation measures, the Board will thereafter be required to make a subsequent and final finding prior to the occupancy of the Interim School that all potentials for the hazardous emissions have been fully mitigated. (Education Code Section 17213(c)(2)(B).)

Therefore, the District is only prepared to approve the proposed Interim School Site upon the following conditions: 1) that SRV, acting through Lennar or any other appropriate agent, cause to be completed sufficient re-abandonment of the well to mitigate the potential for hazardous effects prior to the occupation of the Interim School Facilities in August of 1999; 2) that SRV, acting through Lennar, obtain certification from the Department of Conservation prior to the occupancy of the Interim School in August of 1999 that the mitigation measures performed are sufficient to satisfy the requirements of Education Code 17213; 3) that as a term of the Interim Site lease SRV agree to indemnify the District for any liability that may arise from the presence of the abandoned well; and 4) that SRV maintain a general liability insurance policy on the Interim Site, including the well site, for the term of the Lease naming the District as an additional insured on the policy. Full mitigation measures must be set forth in the Mitigated Negative Declaration for purposes of CEQA as well.

Of great concern, of course, is that, based upon current information we have regarding the timetable for the well re-abandonment, it does not appear the well will be completely re-abandoned and Division of Oil and Gas clearances obtained by August of 1999—the time for occupancy of the Interim School. Therefore, unless Lennar accelerates the well abandonment procedure, or provides us with certification from the Division of Oil and Gas that the well site is not a "hazard" for purposes of the Education Code, we are left with no alternative but to request Lennar provide an alternate site for the Interim School Facilities as it is imperative that Interim School Facilities be operational in August of 1999 to serve the needs of the District. Of course, an alternate site will need to clear all the same Education Code and CEQA requirements within a more compressed time frame. Should the District be forced to re-district or bus children to alternate school sites as a result of the inability to open the Interim School Facilities, the effect on the District and the community members it serves will be significant.

Therefore, we would respectfully suggest that the most prudent course of action would be to accelerate well abandonment plans, or remediate the well site in such a way that we will be provided clearance by the Division of Oil and Gas prior to August. If we can receive written

assurance by February 10, 1999, that a new timetable and well abandonment plan have been adopted and approved by the Division of Oil and Gas, or that the Division of Oil and Gas has certified the well site is not and will not be a hazard as defined in the Education Code, the District will be in a position to adopt conditional approval of the Interim Site as planned at the February 16, 1999, Board meeting. Otherwise, approval of the Interim Site will need to be postponed to an appropriate subsequent date.

Please contact our office at your earliest possible convenience to discuss the matter further. We stand ready to assist SRV, Lennar and EnviroPacifica, Inc. in any way we can.

Very truly yours,

BOWIE, ARNESON,
WILES & GIANNONE

By: Carmen A. Brock
Carmen A. Brock

CAB/eb

cc: Dr. Marc Winger, Superintendent
Teresa Sousa, Lennar Communities, via facsimile
Jeanette Justus, via facsimile
Tom Banks , Lennar Communities, via facsimile

RAW&GICAB/ed/55041

PHONE (714) 751-3210 FAX (714) 751-6414
2960 AIRWAY AVENUE SUITE B-101 COSTA MESA, CALIFORNIA 92626

AAI RFS #: 9811005

April 17, 1998

Enviro Pacifica, Inc.
31344 Via Colinas, Suite 104
Westlake Village, CA 91362

Project Name: ---
Project Number: 975056-001

Attention: Greg Millikan

Apollo Analytics Inc., has received the following sample(s):

Date Received	Quantity	Matrix
April 16, 1998	1	Air/Canister

The sample(s) received was subcontracted to AtmAA Inc. for hydrocarbons specifications and methane. The subcontractor is an approved California Department of Health Services laboratory. For your reference, AtmAA Inc. original report is enclosed.

The results of these analyses and the quality control are enclosed. If you have any questions please do not hesitate to call (714) 751-3210.

Leon Levan
Laboratory Manager

ANALYTICAL RESULTS

AAI RFS #: 9811005

Client Name: Enviro Pacifica, Inc.
Project Name: ---
Project #: 975056-001
Matrix: Air/Canister

Date(s) Sampled: 4/15-4/16/98
Date(s) Analyzed: 4/16-4/17/98
Analytical Method: Standard Methods
Chemist: AtmAA Inc

Compound	2-7 Vapor 1 9811005-001	(Repeat) 2-7 Vapor 1 9811005-001
	(Concentration in ppmv)	
Methane	92.0	93.5
non-methane hydrocarbons specification		
analysis by carbon number grouping		
	(Concentration in ppbv as methane)	
C2	46.8	nr
C3	20.1	nr
C4	46.3	nr
C5	102.6	113.7
C6	165.7	158.6
C7	791.5	763.4
C8	1,363	1,323
C9	1,645	1,529
C10	919.0	813.5
C11	234.5	220.1
C12	50.6	64.3
C13	<10	<10
Total non-methane hydrocarbons as methane	5,385	

AtmAA Inc.
23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250
environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

Speciated Hydrocarbon Analysis in SUMMA Canister Sample

Report Date: April 17, 1998
Client: Apollo/Enviropacifica
P.O. No.: Verbal
Client Project No.: 975056-001
Source Location : Not given
Source ID: Not given

Date Received: April 16, 1998
Date Analyzed: April 16 & 17, 1998

ANALYSIS DESCRIPTION

Hydrocarbon speciation was performed by flame ionization detection/gas chromatography (FID/GC).

AtmAA Lab No.:	91068-1	(repeat)
Sample ID:	2-7 vapor 1 can 299	2-7 vapor 1 can 299
	(Concentration in ppmv)	
Methane	92.0	93.5
non-methane hydrocarbon speciation analysis by carbon number grouping	(Concentration in ppbv as methane)	
C2	46.8	nr
C3	20.1	nr
C4	46.3	nr
C5	102.6	113.7
C6	165.7	158.6
C7	791.5	763.4
C8	1363	1323
C9	1645	1529
C10	919.0	813.5
C11	234.5	220.1
C12	50.6	64.3
C13	<10	<10
total non-methane hydrocarbons as methane	5385	

nr - no repeat analysis

Michael L. Porter, Laboratory Director

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Apollo Analytics, Inc.
2960 Airway Ave., Suite B-101 • Costa Mesa, CA 92626
Phone (714) 751-3210 • FAX (714) 751-6414

Chain of Custody

DATE 4/16/98 PAGE 1 OF 1

PROJECT MANAGER: Greg McLuran
COMPANY: ENVIROPACIFICA, INC.
ADDRESS: 3844 Via Colinas, #104
Westlake Village, CA 91362
PHONE # 8187078327 FAX # 818-7077280

BILL TO:
COMPANY: ENVIROPACIFICA, INC.
ADDRESS: 17781 COWAN
IRVINE, CA

SAMPLERS: (Signature) [signature] PHONE NUMBER 818 1707-8327

Recommended Quantity and Preservative (Provide triple volume on QC Samples)

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Air Toxics	Volatile Cmpds (EPA TO14) 4L	Hydrocarbon Speciations 1L	Fixed Gases (CH_4, O_2, CO_2, CO) 1L	TPH/BTXE 1L	TNMOC (SCAQMD 25.2) 1L	Metals (CARB 436)	Soil & Water Toxics	Petroleum Hydrocarbons (418.1)	Oil and Grease (413.2) 1L (H_2SO_4)/100g	Gasoline (MOD 8015/DOHS) 4 oz (HCL)/50g	Diesel (MOD 8015/DOHS) 4 oz (HCL)/50g	Gasoline /BTXE (MOD 8015/8020) 4 oz (HCL)/50g	(MOD 8015) 4 oz (HCL)/50g	BTXE (8020) 2X40ml (HCL)/50g	Chlorinated Hydrocarbons (8010) 2X40ml (HCL)/50g	Aromatic Hydrocarbons (8020) 2X40ml (HCL)/50g	Organic Lead (Pb) 500ml/50g	Volatile Cmpds GC/MS (8240/8260) 2X40ml (HCL)/100g	Semi-Volatile Cmpds GC/MS (8270) 1L/100g	Pesticides/PCB (8080) 1L/50g	Polynuclear Aromatic (8310) 1L/100g	CCR Metals 500ml/100g	Priority Pollutant Metals 500ml/100g	Number of Containers
2-7 VAPOR 1	4/15 4/16	1740 0900	Vapor	91068-1																									1

PROJECT INFORMATION	SAMPLE RECEIPT	
PROJECT NUMBER 975056-001	TOTAL NUMBER OF CONTAINERS	1
PROJECT NAME:	CHAIN OF CUSTODY SEALS Y/N/NA	NA
PURCHASE ORDER NUMBER:	INTACT? Y/N/NA	Y
SHIPPED VIA:	RECEIVED GOOD COND./COLD	Y
TAT: ☐ 24HR ☐ 48HR ☐ 1WK ☐ 2WKS	AAI RFS #: 9811005	

Comments:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.	RELINQUISHED BY: 3.
Signature: [signature] Time: 1405	Signature: [signature] Time: 200pm	Signature Time
Printed Name: M. CATTON Date: 4/16/98	Printed Name: JOHN PLWATA Date: 4-16-98	Printed Name Date
Company: ENVIROPACIFICA	Company: EXPRESS AIR	Company

RECEIVED BY: 1.	RECEIVED BY: 2.	RECEIVED BY: 3.
Signature: [signature] Time: 1530	Signature: Time:	Signature Time
Printed Name: Michael Sport Date: 4-16-98	Printed Name Date	Printed Name Date
Company: Atm AA Inc	Company:	Apollo Analytics

SAMPLE DISPOSAL INSTRUCTIONS

AAI Disposal (By Quote) ☐ Return ☐ Pickup (will call)

DISTRIBUTION: Canary • APOLLO ANALYTICS, INC. • PINK – ORIGINATOR

OPERATOR Stevenson Ranch A.P.I. 037-05900

WELL NO. "Shell-Ferguson" 2-7 SECTION 31, T. 4 N, R. 16 W

MAP

INTENTION	Abandon					
NOTICE DATED	4-8-98					
P-REPORT NUMBER	298-66					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	4-9-98											
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 _____

II TION BOOK _____ REMARKS: _____ RELEASED BOND _____

IDLE WELL LIST _____

SURFACE INSP. CARD _____

OK TO RELEASE FROM CONFIDENTIAL _____

ABANDONED-REMOVED FROM E.D.P. _____

OPERATOR Stevenson Ranch A.P.I. 037 - 05900
WELL NO. "Shell Ferguson" 2-7 SECTION 31 T. 4 N, R. 16 W
MAP

INTENTION	Abandon					
NOTICE DATED	4-8-98					
P-REPORT NUMBER	298-66					
CHECKED BY/DATE						
MAP LETTER DATED						
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	4-9-98											
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:

OK TO RELEASE FROM CONFIDENTIAL
ABANDONED-REMOVED FROM E.D.P.

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P298-66

PERMIT TO CONDUCT WELL OPERATIONS

(field code)

(area code)

(new pool code

(old pool code)

Jerry Schamp
Stevenson Ranch Ventura, LLC
15300 Ventura Blvd. Suite 500
Sherman Oaks, CA 91403

Ventura, California
April 9, 1998

Your supplementary proposal to abandon well "Shell Ferguson" 2-7 (Shell Western E & P Inc.), A.P.I. No. 037-05900, Section 31, T. 4N, R. 16W, S.B. B.&M., ---------- field, ---------- area, ---------- pool, Los Angeles County, dated 4/8/98, received 4/9/98, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

Extending Casing Phase

1. All casing used shall conform to withstand anticipated collapse, burst, and tension forces with the appropriate design factor to obtain a safe operation.
2. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.

Reabandonment Operations

1. Blowout prevention equipment conforming to DOGGR Class II 5M requirements with a hydraulic actuating system is installed on the 11-3/4" 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 11,926' or to a maximum depth of 12,351 if no cement plug is located.

Continued on Page 2

NO BOND REQUIRED

cc: Gregory Millikan
EnviroPacifica, Inc.
31344 Via Colinas, Suite 104
Westlake Village, Ca 91362

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)

4. The well is circulated until all gases are evaluated from the wellbore.
5. The well shall be plugged with cement from 11,826' to 11,926'.
6. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 82 lbs./cu. ft and a minimum gel-shear strength of 20 lbs./100 sq. ft.
7. The well shall be plugged with cement from 3750' to 3850'.
8. The well shall be plugged with cement from 1164' to 1264'.
9. The 11-3/4" casing shall be plugged with cement from 30' to the surface.
10. This office shall be consulted before initiating any changes or additions to this proposed operation, or if operations are to be suspended.
11. THIS DIVISION SHALL BE NOTIFIED:
    a. To inspect the installed blowout prevention equipment prior to commencing downhole operations.
    b. To witness the clean out depth of the well.
    c. To witness the location and hardness of the bottomhole plug.
    d. To witness the mudding of the well.
    e. To witness the location and hardness of the cement plugs at 3750' and 1164'.
    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 reabandonment will be issued.

NOTE:

1. An approved blowout prevention and control plan shall be available during the proposed operations.
2. Any sump used during these operations shall be thoroughly cleaned and filled with earth as soon as operations are completed.
3. In the event that the cement plug is not found at 11,926, then the well shall be plugged with a 100 foot cement plug beginning at the total cleanout.
4. the event that the above requirements are unable to be fulfilled, then Division may impose additional requirements for building on this site near this well.

STATE OF CALIFORNIA–THE RESOURCES AGENCY
PETE WILSON, *Governor*
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS,
'D GEOTHERMAL RESOURCES
..50 SOUTH HILL ROAD, SUITE 116
VENTURA, CALIFORNIA 93003-4458
(805) 654-4761
TELEFAX (805) 654-4765

April 8, 1998

Gregory R. Millikan
EnviroPacifica, Inc.
31344 Via Colinas, Suite 104
Westlake Village, California 91362

Dear Mr. Millikan:

Shell Western E&P. Inc.
"Shell Ferguson" 2-7
API Number 037-05900
Los Angeles County

On March 30, 1998, Bruce Hesson of this Division conducted a gas test to ascertain the condition of the subject well. This was done in order to complete one of our requirements prior to issuing our clearance to build on the project site. The condition of the well was such that gas was observed leaking at the well head. As a result, further work is required on this well.

During the drilling of the well, gas was encountered at 12,351'. The well "Received heavy surges of gas" as drilling continued to the total depth of 12,464'. On June 24, 1959, cement was placed at 12,462' , 3942', 1297', and final a 10 foot surface plug. This Division issued a "Report of Well Abandonment" dated August 6, 1959 to the operator.

As the well is now leaking gas, this Division will require that this well be reabandoned pursuant to Section 3208.1 of the Public Resources Code. As this well is located in a position that will not allow for easy access for equipment that will be required, this Division will accept the reabandonment of the well in a two part construction phase. The first part shall consist of extending the casing up the proposed final grade. This will enable reabandonment operations to proceed in a more effective manner. After the casing is extended to the final grade, the following are our requirements. The depths that are being indicated refer to the old derrick floor measures.

1. Submit a hard copy of a "Supplementary Notice" to perform the work.
2. Install Class II 5M BOPE.
3. Clean out the well to top of cement plug that is calculated to be at 11,926'. In the event that this plug is not located at 11,926', cleanout will continue to a maximum depth of 12,351'.

4. The well shall be circulated with heavy mud to ensure that the well is completely dead.
5. The well shall be plugged with cement from 12,351' to at least 12,251'. If the event that the previously place cement plug is found above 12, 251, then the well shall be plugged with cement 100' above the previously placed cement.
6. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of mud that was used during the cleanout process. At a minimum the mud shall be 82 lbs./cu. ft and a minimum gel-shear strength of 20 lbs./100 sq. ft.
7. Replace the plug at the Base of the Saugus at 3850'. This plug shall extend from at least 3750' to 3850'.
8. Replace the cement plug at the shoe of the 11-3/4" casing. This plug shall extend from 1164' to 1264'.
9. A cement plug shall be placed from at least 30' below the final grade to surface.
10. The top of the casing shall be cut no lower than 5 feet below grade.
11. In the event that a structure is placed within 5 feet of the well, then an approved vent system shall be installed on this well.
12. In all other respects all procedures outlined in the Division's "CONSTRUCTION PROJECT SITE REVIEW AND WELL ABANDONMENT PROCEDURE" document shall be followed.

In the event that cleanout to the required depth is not possible, this Division will re-adjust our requirements and may put building restrictions on the project site near the well.

If you have any questions, please contact Steve Fields at (805) 654-4761.

Patrick J. Kinnear
District Deputy

APR 08 1998

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL,GAS, AND GEOTHERMAL RESOURCES

SUPPLEMENTARY NOTICE

FOR DIVISION USE ONLY			
BOND	FORMS		EDP WELL
	OGD114	OGD121	FILE
		✓	

A notice to the Division of Oil and Gas dated April 08, 19 98, stating the intention to

Re-Abandon (Drill, rework, abandon) well Shell Ferguson 2-7 (Well designation), API No. 03705900,

Sec. 31, T. 4N, R. 16W, SB B.& M., Wildcat - Los Angeles County Field,

Los Angeles 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:

Unknown

2. The total depth is: 12,464 feet. The effective depth is: N/A feet.

3. Present completion zone (s): N/A (Name). Anticipated completion zone (s): N/A (Name).

4. Present zone pressure: N/A psi. Anticipated/existing new zone pressure: N/A psi.

We now propose: *(A complete program is preferred and may be attached.)*

1. drill several holes in the wellhead cover;
2. Remove Well cover after displacing explosive gases with Nitrogen;
3. Weld on pony joint of 11 3/4 inch casing;
4. Bring fill up to pony joint finish grade;
5. add joints to finish grade with cement jobs, as appropriate to minimize ga
6. build rig pad;
7. drill out surface plug and explore to T.D. to determine source of gases;
8. Plug as appropriate to contain gases;
9. Install well vent, if well is near proposed structures or property lines.

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	
Stevenson Ranch Venture, LLC	818-385-0080 x14 Jerry Schamp	
Address	City	Zip Code
15300 Ventura Blvd. Suite 500	Sherman Oaks	91403
Name of Person Filing Notice	Signature	Date
Gregory R. Millikan RG, EnviroPacifica, Inc	Gregory R. Millikan	08 April 1998

File In Duplicate.

OG123 (1/96/GSR1/1M)

CONSTRUCTION SITE WELL INSPECTION

District Ref. No. _____

Field: _____ City/County Los Angeles Sec. 31 T. 4 R. 16 SB B.&M.

Location (major cross streets): Hemingway & Ise

Development Representative: Scott Moore / Gene Milikan Phone: (813) 371-3747 3745

Describe the exact location of the excavation or well at the building site (from a reference point on a Division map): _____

How the location was determined: Measured ☐ Surveyed ☐ Other ☐

Describe: _____

Well designation: [illegible] 2-7, API No. 037-05700

Operator: [illegible]

SAFETY PRECAUTIONS AND UNSAFE EXCAVATIONS

CAUTION! Oil and gas wells may produce hydrogen sulfide gas, which is highly poisonous, and will accumulate and concentrate in low areas such as excavations. Before entering an excavation area, test to ensure that there is sufficient oxygen and that the flammable/toxic gas readings are within safe limits.

INSPECTIONS	1	Initials Date	2	Initials Date	3	Initials Date	4	Initials Date
Excavation size	15x15'	[illegible] 3-8						
Picture No.	1	"	2					
Picture direction	[illegible]	"	[illegible]					
Metal detector (Y/N)								
Visible casing size(s) (or comment)	[illegible]	11 3/4" Cond.						
Fluid leaks (Y/N)*	No	[illegible] 3-8						
Amount (est.)	–							
Gas leaks (Y/N)*	Yes	[illegible] 3-8						
Amount (est.)	–							
Gas detector (Y/N)	[illegible]	[illegible] 3-8						
Bubble test (Y/N)	Yes	[illegible] 3-8						

*Leak location(s): _____

Describe hazardous or damaged well condition(s): Gas leaks from TA-Hole in Surf Plate

Comment - [illegible]

Report finalized by: [signature] Date: 3/30/98

Page 1 of 2

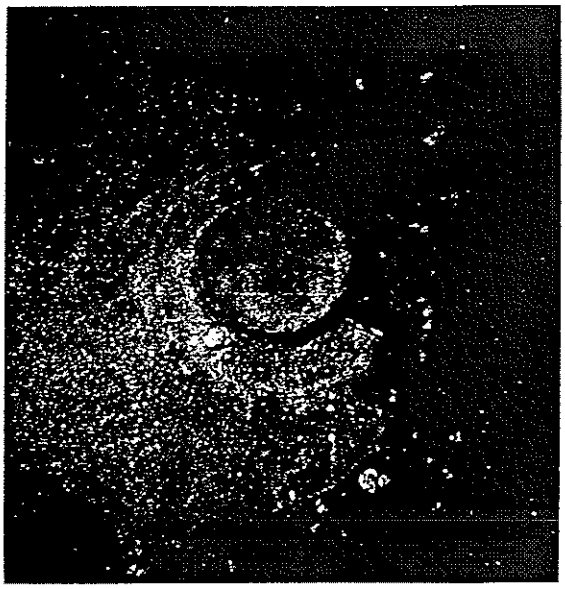
OG190A (5/89/GSR1/1M)

25 21

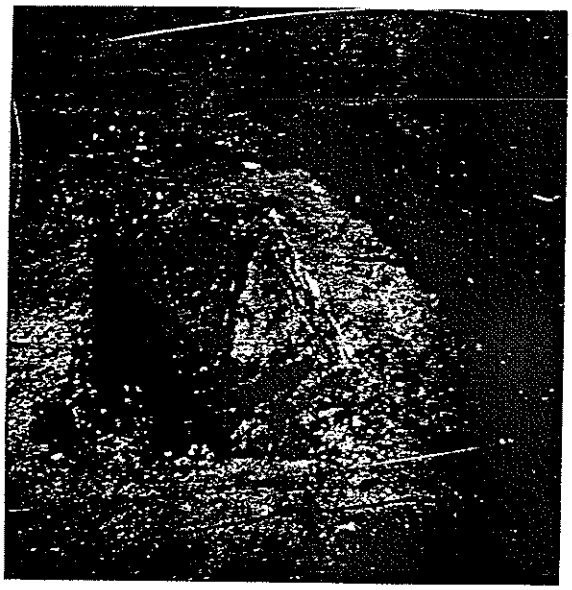
3/30/98

Page 2 of 2
"Shell-Ferguson" 2-7
3/30/98

"Shell-Ferguson" 2-7
1



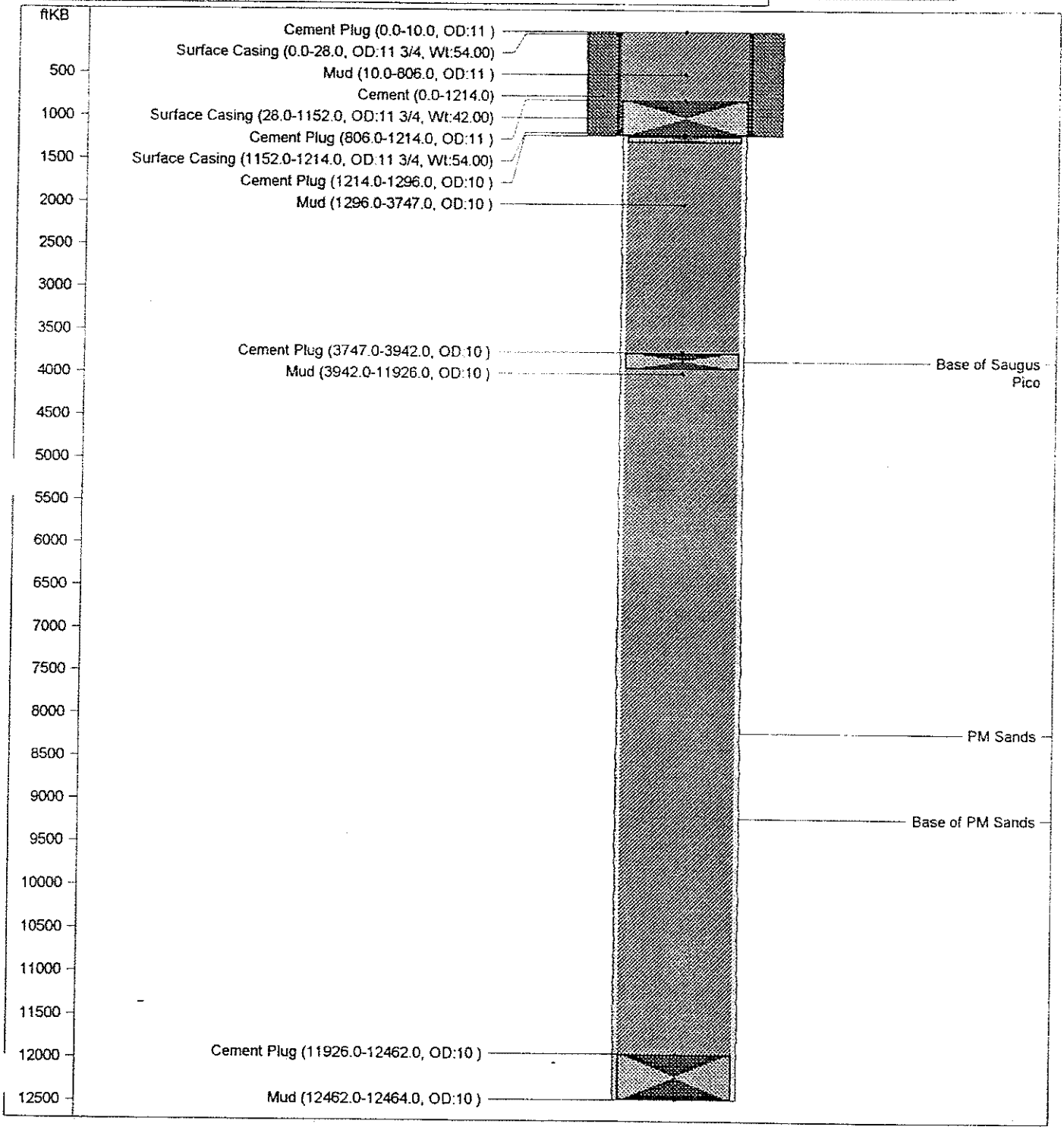
"Shell-Ferguson" 2-7
2



27

04037059000000	
Well Name	SHELL FERGUSON 2-7
Operator	SHELL WESTERN E. & P. INC.
Field Name	ANY FIELD
TD	12464.0 ftKB
PBTD	0.0 ftKB
Approval Date	14-Apr-59
Spud Date	16-Apr-59
TD Date	21-Jun-59
Production Date	
Injection Date	
P/A Date	24-Jun-59

Division of Oil & Gas Conservation



1/13/98

NAME CHANGE - FROM SHELL CALIF.PROD. INC. TO SHELL WESTERN E & P INC. 6/1/87

Greg Milkan 818 391 394
(Cell phone)

Layton & Associates
SWEPI
"Shell-Ferguson" 2-7
Sec 31 4N 16W
Map 252

60 fill over well
100 yds to nearest house

office - 818 707 8320

Reabandonment Requirements

Extend to
Jul AL
Fields

1/13/98

FORM 159 (9-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Inglewood California

August 6 1959

Mr. Richard A Flohr
2080 Obispo Ave
Long Beach 4 California
Agent for SHELL OIL CO

DEAR SIR:

Your report of abandonment of Well No. "Shell Ferguson" 2-7, Proj. Sec. 31, T. 4 N, R. 16 W, S B B. & M., - - - field, Los Angeles County, dated July 14, 1959, 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 BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A	8-14-59				
5B	6B		Blanket		EB

RAJ:es
orig Mr J Fillman
cc Mr E H Musser
Mr W F Bates
Conservation Comm
Production Dept
Mr L A Dutton
Fire Prevention Bureau

E. H. MUSSER
State Oil and Gas Supervisor

By Wm. C. Bailey
Deputy Supervisor

84442 9-56 10M SPO

30

26

FORM 100.
CALIFORNIA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE
FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JUL 20 1959
INGLEWOOD, CALIFORNIA

WELL SUMMARY REPORT

Los Angeles County

Operator Shell Oil Company (Field Newhall Potrero, Southeast)

Well No. "Shell Ferguson" 2-7 Sec. 31, T. 4 N., R. 16 W., S.B. B. & M.

Location 140' South and 3104' East from Corner No. 13, Ferguson Lease.

Elevation of ground above sea level 1629.1 feet.
All depth measurements taken from top of derrick floor, which is 12.1 feet above ground.

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 July 14, 1959

Signed [signature]

(Engineer or Geologist) (Superintendent)

Title Division Exploitation Engineer
(~~XXXXXXXXXXXX~~ Agent)

Commenced drilling April 16, 1959 Completed drilling June 21, 1959 Drilling tools ~~XXXX~~ Rotary

Total depth 12464' Plugged depth

~~XXX~~ Plugs: 12462'/12000'±, 3942'/3750'±, 1297'/806', 10' surface plug, welded steel plate over 11-3/4" casing.

GEOLOGICAL MARKERS	DEPTH
Saugus	0-3850
Pico	3850
PM Sands	8200-9200
Upper Miocene	T.D.

Abandoned ~~XXXXXXXXXXXXXX~~ June 24, 1959 (date) ~~XXXXXXXXXXXXXXXXXX~~ (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						
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 Drilled	Number of Sacks of Cement	Depth of Cementi... if through perforati...
11-3/4"	1214'	Surface	54#&42#	New	Seamless	H-40	17"	1645	-

Perforations

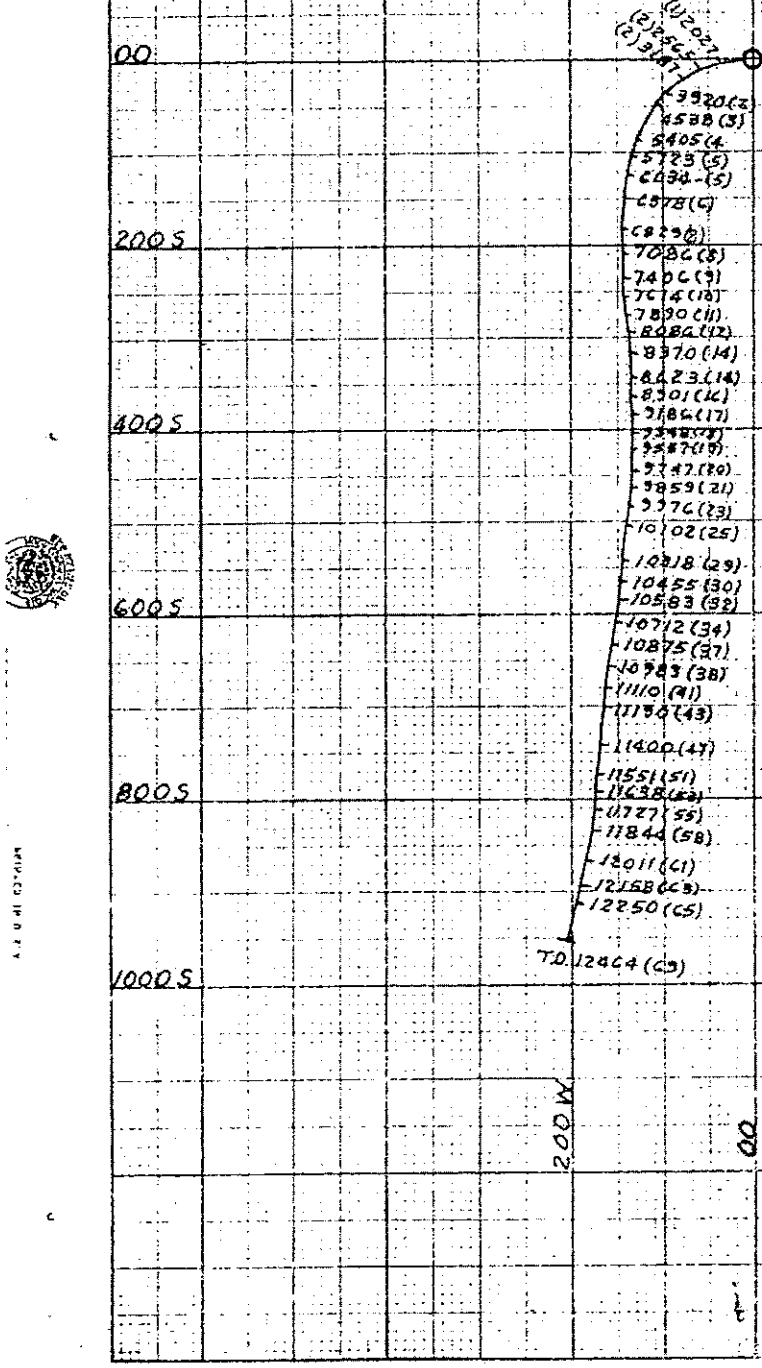
Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

31 Electrical Log Depths 12464', 10102' (Attach Copy of Log) 31

LOCATION

140' south and 3104' east from corner 13 (Ferguson lease)
Section 31, T. 4 N., R. 16 W.
Elevation 1641.2'

DIVISION OF OIL AND GAS
RECEIVED
JUL 20 1959
INGLEWOOD, CALIFORNIA



Abandoned 6-59
954.33' south and 205.70 west from surface location.
Measured depth 12464'
Vertical depth 12395.10'

SHELL OIL COMPANY
COASTAL DIVISION

SURVEY
- Castaic Area
Shell

Ferguson 2-7

DRAFTING BY: V.E.S.	SCALE: 1" = 200'
APPROVED BY:	ISSUED: 7-9-59
PRODUCTION DEPARTMENT EXPLOITATION ENGINEERING	Z6 - 1921

32

63

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 159-558

Mr. Richard A Flohr
2080 Obispo Avenue
Long Beach 4 California
Agent for SHELL OIL COMPANY

Inglewood 3 Calif.
June 30, 1959

DEAR SIR:

Operations at your well No. "Shell Ferguson" 2-7 Proj., Sec. 31, T. 4 N, R 16 W, S B B & M. xxxxxx Field, in Los Angeles County, were witnessed on June 24, 1959. Mr. R. Johnson, Engineer, representative of the supervisor was present from 1:15 to 1:45 p.m. There were also present B. Ferguson, Drilling Foreman, A. Jordan, Driller.

Present condition of well: 11-3/4" cem. 1214'. T.D. 12,464', plugged with cement 12,464'-11,926'±, 3942'-3747'±, and 1297'-806'.

The operations were performed for the purpose of witnessing the plugging operations in the process of abandonment.

Mr. Ferguson reported:

1. A 10-5/8" hole was drilled from 1214' to 12,464'.
2. On June 24, 1959, 275 sacks of cement (calculated to fill to 11,926') was pumped into the hole through 5" drill pipe hanging at 12,462'.
3. On June 24, 1959, 100 sacks of cement (calculated to fill to 3747') was pumped into th hole through 5" drill pipe hanging at 3942'.
4. On June 24, 1959, 350 sacks of cement was pumped into the hole through 5" drill pipe hanging at 1297'.

THE ENGINEER NOTED THAT the cement plug at the reported depth of 806' supported seven poin of the weight of the drill pipe.

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

RJ:OH

cc Production Dept Attn Mr W F Bates

E. H. MUSSER
State Oil and Gas Supervisor

By [signature] Deputy

28

63193 9-57 17M SPO

35

FORM 111

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 159-549

Mr. Richard A Flohr
2080 Obispo Avenue
LONG BEACH 4 California
Agent for SHELL OIL COMPANY

Inglewood 3 Calif.
June 30, 1959

DEAR SIR:

Your proposal to abandon Well No. "Shell Ferguson" 2-7,

Proj. Section 31, T. 4 N, R. 16 W, S B B. & M., xxxxxx Field, Los Angeles County,

dated June 26, 1959, received June 29, 1959, 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: Base of usable fresh water behind surface casing.

THE NOTICE STATES
"The present condition of the well is:
1. Total Depth: 12464'

2. Complete casing record, including plugs:
11-3/4" surface casing at 1214'

3. Last Produced (Dry Hole)

Additional Data for Dry Hole
4. Oil or Gas showings and results of tests: Hydrocarbon showings 12160'-12464' Interval not tested.

5. Stratigraphic markers and depths:
Saugus 0-3850'
Pico 3850'
PM Sands 8200-9200'
6. Geologic age at bottom: U. Miocene
7. Base of fresh water sands: 3850'."

PROPOSAL
"The proposed work is
Set cement plugs 12250-12000'
3950- 3750'
1000 -1300'
10' plug at surface
Abandonment program verbally agreed to by Mr. D. Ritzius, 4/23/59."

DECISION
THE PROPOSAL, COVERING WORK ALREADY COMPLETED IN ACCORDANCE WITH PRIOR AGREEMENT, IS APPROVED.

DER:CH

O/V

cc Mr W F Bates, Production Dept
Shell Oil Company
1008 West 6th Street
LOS ANGELES 54

E. H. MUSSER, State Oil and Gas Supervisor

By _____, Deputy

39 Blanket bond.

96787 4-59 50M SPO

34

FORM 108. 25462 10-55 25,550 ⑥ SPO

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JUN 29 1959
INGLEWOOD, CALIFORNIA

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only.

Ventura, Calif. June 26, 1959

DIVISION OF OIL AND GAS

In compliance with Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well No. Shell Ferguson 2-7, Sec. 31, T. 4 N.,

R. 16 W., S.B. B. & M., ~~Newhall, Potrero, Southeast~~ Field, Los Angeles County,

commencing work on April 16, 1959.

THE PRESENT CONDITION OF THE WELL IS:

1. Total Depth: 12464'

2. Complete casing record, including plugs:

11-3/4" surface casing at 1214'

3. Last Produced (Dry Hole)
(Date) (Oil, B/D) (Water, B/D)

ADDITIONAL DATA FOR DRY HOLE

4. Oil or Gas showings and results of tests:
Hydrocarbon showings 12160'-12464'
Interval not tested.

5. Stratigraphic markers and depths:
Saugus 0-3850'
Pico 3850'
PM Sands 8200-9200'

6. Geologic age at bottom: U. Miocene

7. Base of fresh water sands: 3850'

THE PROPOSED WORK IS

Set cement plugs 12250-12000'
3950-3750'
1000 -1300'
10' plug at surface

Abandonment program verbally agreed to by Mr. D. Ritzius, 4/23/59.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121

P. O. Box 691, Ventura, California
(Address)

Miller 8-2751
(Telephone No.)

Shell Oil Company
(Name of Operator)

By [signature] by MJ

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

40.

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FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 149-341

Mr. Richar A Flohr
2080 Obispo Avenue
Long Beach 4 California

Inglewood 3 Calif.
April 30 1959

Agent for SHELL OIL COMPANY

DEAR SIR:

Operations at your well No. "Shell-Ferguson" 2-7 Proj. , Sec. 31 , T. 4 N., R. 16 W., S.B. B & M.
xxxx Field, in Los Angeles County, were witnessed
on April 27, 1959. Mr. W. Hunter, Engineer, representative of the supervisor was present
from 9:30 to 10:00 a.m. There were also present B. Eakins, Drilling Foreman

Present condition of well: 11-3/4" cem. 1214', T.D. (drilling) 5540'

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

~~Mr. xx xxxxxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxx reported~~

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

WH:yk

cc- Prod Dept, c/o Company

E. H. MUSSER
State Oil and Gas Supervisor

By _____ Deputy

3/H

79

62198 3-57 17M ⓒ SPC

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Form 111

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P-9230

Mr. Richard A. Flohr
2080 Obispo Avenue
Long Beach 4 California
Agent for SHELL OIL CO

Inglewood 3 Calif.
April 14, 1959

DEAR SIR:

Your proposal to drill Well No. "Shell Ferguson" 2-7,

Proj. Section 31, T. 4 N, R. 16 W, S B B. & M., xxxxx Field, Los Angeles County,

dated April 8, 1959, received April 10, 1959, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES

"Legal description of mineral right lease, consisting of 585± acres, is as follows: Refer to Notice of Intention to Drill Shell Ferguson 1-7 dated October 2, 1958.

Do mineral and surface leases coincide? Yes X No ____

Location of Well: 140 feet south and 3104 feet east from Corner No. 13, Ferguson Lease.

Elevation of ground above sea level ~~1625±~~ feet ~1629 datum.

All depth measurements taken from top of derrick floor which is ~~18±~~ 12.7 feet above ground."

PROPOSAL

"PROPOSED CASING PROGRAM

Size of Casing

Inches	A.P.I. Weight	Grade and Type	Top	Bottom	Cementing Depths
11-3/4"	42#	H-40	Surface	1300'±	1300'±

Intended zone or zones of completion: Exploratory

Estimated total depth 12,750'±.

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. The well shall not be located within 100' of the property line.
2. Sufficient cement shall be pumped back of the 11-3/4" casing to reach the surface.
3. 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 pipe.
4. Adequate blowout prevention equipment shall be installed and maintained in operating condition at all times.
5. This Division shall be consulted before running any additional casing, or placing any plugs in the hole. Additional requirements may be specified at that time.
6. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 2000'.
   (b) To witness a test of water shut-off above each productive zone of any casing cemented over or through any oil or gas zone, or zones.

DER:OH

cc Mr W F Bates c/o Production Dept
Shell Oil Company
LOS ANGELES 54

E. H. MUSSER, State Oil and Gas Supervisor

By _____, Deputy

Blanket bond.

80

80444 7-57 60M SPO

FORM 105

037-05900

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
APR 10 1959
INGLEWOOD, CALIFORNIA

Ventura, Calif. April 8, 1959

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. "Shell Ferguson" 2-7, Sec. 31 Projected, T. 4 N., R. 16 W., S.B. B. & M., East Ventura Basin, Newhall-Potrero Extension ~~xxxx~~ Los Angeles County.

Legal description of mineral right lease, consisting of 585± acres, is as follows: (Attach map or plat to scale)

Refer to Notice of Intention to Drill Shell Ferguson 1-7 dated October 2, 1958.

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: ..... feet ..... (Direction) along property section line and ..... feet ..... (Direction)

at right angles to said line from the ..... corner of property section .....

140 feet south and 3104 feet east from Corner No. 13, Ferguson Lease.

Elevation of ground above sea level ~~1625±~~ 1629 feet ..... datum.

All depth measurements taken from top of derrick floor (Derrick Floor, Rotary Table or Kelly Bushing) which is ~~10±~~ 12.1 feet above ground.

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
11-3/4"	42#	H-40	Surface	1300'±	1300'±

Intended zone or zones of completion: Exploratory (Name) (Depth, top and bottom)

Estimated total depth 12,750'±

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18B WH 4-10	WH 4-10				

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address P. O. Box 691, Ventura, California

Shell Oil Company (Name of Operator)

Telephone Number Miller 8-2751

By [signature]

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Type of Organization (Corporation, Partnership, Individual, etc.)

30

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY Mallon WELL NO. Ferguson 3

API NO. 037-12605 SEC. 36, T. 4N, R. 17W, SB B.&M.

COUNTY LA FIELD Newhall - Potrero

RBDMS DATA ENTERED: 10/5/99
(DATE)

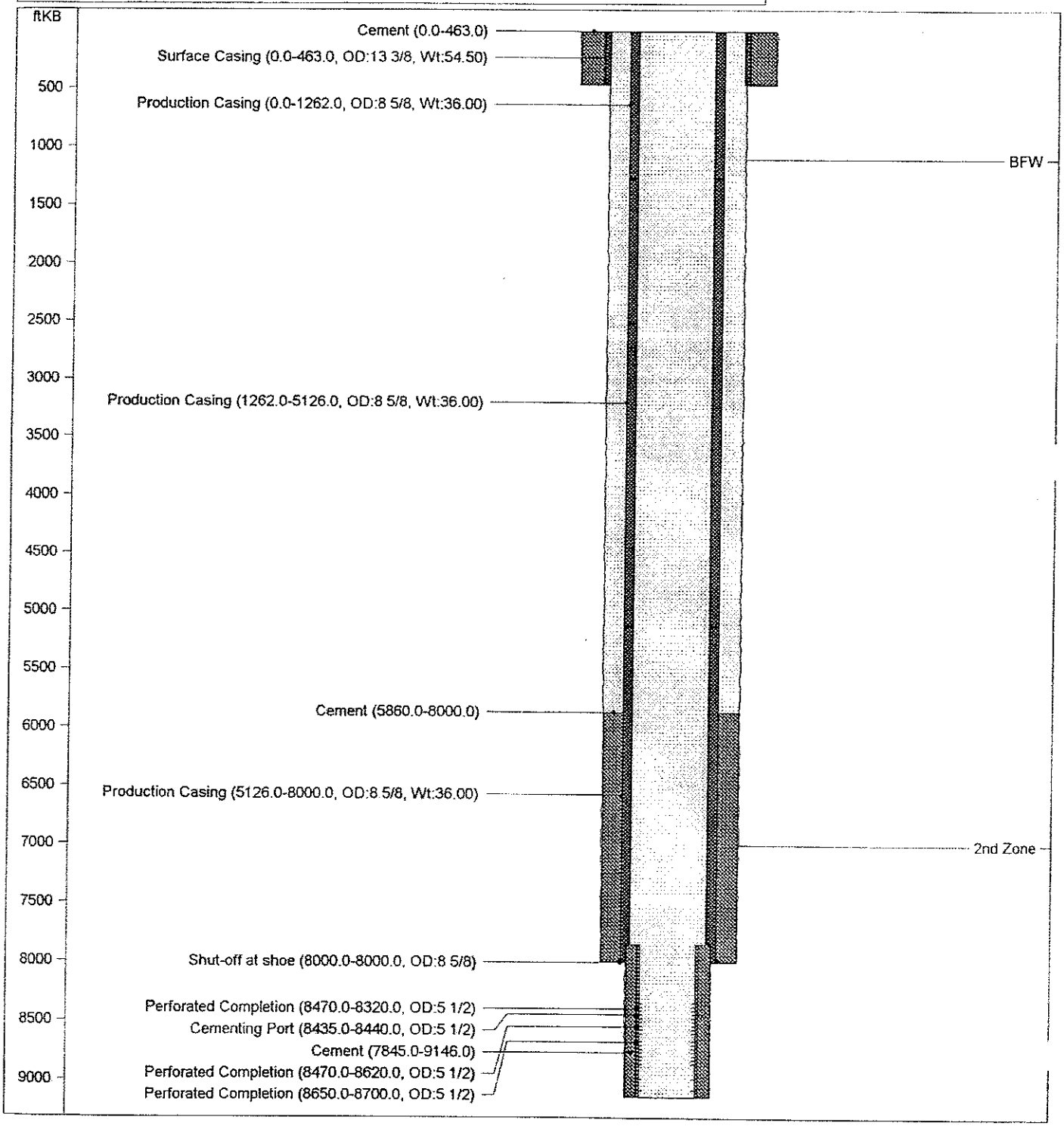
BY: SPT
(NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

WELL CONSTRUCTION DATA ONLY

04037126050000	
Well Name	Ferguson 3
Operator	MEDALLION CALIF PRPTS CO
Field Name	NEWHALL-POTRERO
TD	9143.0 ftKB
PBTD	9143.0 ftKB
Approval Date	29-Apr-47
Spud Date	06-May-47
TD Date	20-Aug-47
Production Date	22-Sep-47
Injection Date	
P/A Date	

Division of Oil & Gas Conservation



10/5/99

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P299-149

PERMIT TO CONDUCT WELL OPERATIONS

500 (field code)
00 (area code)
— (new pool code)
30 (old pool code)

Bradford DeWitt, Agent
Medallion California Properties Co.
5400 Rosedale Highway
Bakersfield, California 93308

Ventura, California
October 5, 1999

Your proposal to abandon well "Ferguson" 3,
A.P.I. No. 037-12605 Sec. 36, T. 4N, R. 17W, SB B.&M.,
Newhall-Potrero field, ---------- area, 5th pool
Los Angeles County, dated 9/28/99 Receive 10/4/99 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 II2M requirements shall be installed and maintained in operating conditions 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 9100'.
4. All portions of the well not plugged with cement are filled with an inert mud fluid having a minium density of 72 lbs./cu. ft. and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. Well site restoration is completed within 60 days following the plugging and abandonment of the well.
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 7445'.
   b. To witness the mudding of the well.
   c. To witness the location and hardness of the cement plug at 1000'.
   d. To witness the placing of the surface plug in the 13-3/8" and in the 7" x 13-3/8" annuli.
   e. To inspect and approve the cleanup of the well site before approval of the abandonment will be issued.

Blanket Bond
SAF:saf

Engineer Steven A. Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, JR., State Oil and Gas Supervisor

By _____ 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 (6/96/GSR/5M) Printed on recycled paper.

3

2

OPERATOR [illegible]

WELL NO. "Ferrar[illegible]"

MAP

A.P.I. 037-12605

SECTION 36, T. 4 N, R. 17 W

INTENTION	[illegible]					
NOTICE DATED	[illegible]					
P-REPORT NUMBER	[illegible]					
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	[illegible]											
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

REMARKS:

IDLE WELL LIST

SURFACE INSP. CARD

OK TO RELEASE FROM CONFIDENTIAL

ABANDONED-REMOVED FROM E.D.P.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CARDS [X]
BOND [BB]
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 "Ferguson" #3 API No. 03712605 Sec. 36 T. 4N R. 17W S.B. B.&M.

Newhall-Potrero Field Los Angeles County, starting work on 10/15/99

The present condition of the well is

1. Total depth: PBTD is 9,100 ft

2. Complete casing record, with plugs and perforations (present hole):
13-3/8" 54.5# J-55 csg cmt'd @ 463 ft.
8-5/8" 36# J-55 & N-80 casing cmt'd @ 8,000 ft. Est TOC @ 5,860 ft.
5-1/2" 17# N-80 liner cmt'd at 9,146 ft. TOL @ 7,845 ft. Cmt in 5-1/2" @ 9,100'. 5-1/2" perf'd 8,435 ft - 8,440 ft & cmt'd.
Perforated intervals:
8,470 ft - 8,620 ft
8,650 ft - 8,770 ft
8,792 ft - 8,880 ft
8,978 ft - 9,018 ft
9,060 ft - 9,092 ft

3. Date last produced or injected: Pre-1990

Additional data for dry hole (show depths)

1. Oil or gas shows:

2. Stratigraphic markers:

Note: Well was a 5th zone producer.

3. Formation and age at total depth:

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

e proposed work is as follows:

Please see attached program.

RECEIVED
OCT 0 4 1999

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 5400 Rosedale Highway (Street)
Bakersfield, CA 93308 (City) (State) (Zip)
Telephone Number 661-823-9006 (Area Code) (Number)

Medallion California Properties Company (Name of Operator)
By C. D. Fiddler (Print Name)
(Signature) 9/28/99 (Date)

OG108 (8/97)

3

PROPOSED ABANDONMENT PROGRAM
FERGUSON WELL #3
SECTION 36, T4N, R17W, SBB&M
NEWHALL-POTRERO FIELD, LOS ANGELES COUNTY

1. RU Coil Tubing Unit (CTU); install Class II BOPE. RIH and lay a Class "G" cement plug in the 5-1/2" liner and 7" casing from 9,100 ft to 7,445 ft. Tag cement plug. DOGGR to witness location and hardness of plug. Fill 7" casing with 72# clay based mud from 7,445 ft to 1,100 ft.

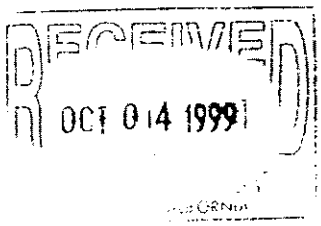
2. RU perforators, RIH with cavity shot gear to 1,100 ft, make cavity shot. POOH with perforating gear. RIH with coil tubing, clean out to bottom of cavity if necessary and set Class "G" cement plug from 1,100 ft to 1,000 ft. Tag top of plug. DOGGR to witness location and hardness of plug.

3. Fill 7" casing with 72# mud from 1,000 ft to 100 ft.

4. RU perforators and shoot eight (8) 1/2" holes at 100 ft. RD perforators. RIH with coil tubing and circulate surface plug into 7" x 13-3/8" casing annulus and 7" casing. DOGGR to witness surface plugging. RD coil tubing unit.

5. Clear surface location, cut off casing five feet below ground level and weld on required well identification marker. DOGGR to witness plug prior to welding ID plate. DOGGR to make inspection of location after restoration.

CDF 9/28/99



RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by: Oryx Energy Company

Confirmed by: Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

OGD156 (6/90/GSR1/2M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance; or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address: P.O. Box 55060, Valencia, Ca. 91355	Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: Newhall-Potrero — District 1

Former Owner: General Exploration Co. of Calif. — Date March 3, 1965

Description of Property: Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10- Sec. 36-4N-17W

Date of Transfer: January 1, 1965
New Owner: SUNRAY DX OIL COMPANY
Address: 23928 Lyons Avenue, Newhall, Calif.

Telephone No. 259-2440

Type of Organization: Corporation
Reported by: General Exploration Co. of Calif. on Dec. 1964 Production Report
Confirmed by: Sunray DX Oil Co. in letter dated 3-1-65
New Operator New Status PA , Old Operator New Status PA
Request designation of agent No

Remarks:

cc E. R. Murray-Aaron
Production Dept.
Conservation Comm.

Wm. C. Bradley
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

75184 1-63 SM SPO

27

037-12605

DIVISION OF OIL AND GAS
RECEIVED

36-4-17

Com. [illegible]

Well No. [illegible]

Job Started Date 1-24-64 hr. 7:30 A.M.

SANTA [illegible] CALIFORNIA

Job Ended Date 1-27-64 hr. 9 A.M.

CASING RECORD

	Size	Depth	Top	Weight	Coupling and Thread
Surface Casing		463	0		
Water String		1000	0		
Liner		9092	7845		

Cement Plugs and Bottom

Liner Perforation Open Liner Perforation Closed

Remarks: Perforated [illegible] to 9092

PUMP RECORD: New Repaired X Make [illegible] Size 2 Plunger Size 1 1/16

TUBING RECORD:

Shoe Depth	Size	Singles	Coupling and Thread
8865.1	2 1/2	250	[illegible] 8th
	2"	39	
	1"x30' rods	24	
	1x[illegible]	37	
	[illegible]	65	
	[illegible]	173	

Total Tubing in Hole 289 Jts.

Size Nipples in Tubing String and Location Landing Nipple 3.00 X 2 1/2, X-over 2 1/2 X 2 X 1.10

Tubing Catcher B. J. Size 8 1/2 x 10.89 Amount Tubing Below Catcher 39 Jts 2"

GAS ANCHOR:

Gas Anchor Removed Length Size

O. D. Length Shoe to Bottom—Plugged

BAILING OR SWABBING

Bailer Make of Swab Midway Size [illegible] Bailed Swabbed From 9000 To 9058 Fluid Level

Tubing Tested Method Test Pressure

Fluid Level: Bailer Depthograph Date [illegible]

MISCELLANEOUS: [illegible] reduced pump from 2 1/2 plunger to 1 1/16 [illegible] 3 Jts. 2" tubing [illegible] tubed to 8965.24", open end

Pumper or Foreman

[illegible] PRINTING CO., [illegible]

0

9

FORM 103. 44609 4-45 50M
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JAN 22 1948
LOS ANGELES, CALIFORNIA

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator General Exploration Company of Calif. Field Newhall-Potrero

Well No. "Ferguson" 3, Sec. 36, T. 4-N, R. 17-W, S. B. B. & M.

Signed C. G. Willis

C. G. Willis

Date October 26, 1947 Title Agent

(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date 1947	
5/6-8	Spudded in and drilled 17-1/2" hole to 463'.
5/8	Cemented 463' of 13-3/8", 54-1/2#, J,55 casing with 260 sacks of cement. Cement returned to the surface.
5/9-7/18	Drilled 12-1/4" hole to 8000'. Cored the following intervals: 7092' - 7104', 7124' - 7135', 7180' - 7199', 7222' - 7287', 7373' - 7390', 7474' - 7480', 7592' - 7598', 7722' - 7733', 7861' - 7871', 7995' - 8000'
/1	Ran Schlumberger electric log, 463' - 7128'
/18	Ran Schlumberger electric log, 7128' - 7990'
/18-19	Ran 8000' of 8-58", 36# casing (N-80, 0' - 1262'; J-55, 1262 - 5126'; N-80, 5126' - 8000') and cemented with 1025 sacks of cement. Cement was displaced with 2665 cubic feet of drilling fluid.
/22	Found top of cement at 7941', drilled out cement to shoe and drilled 7-5/8" hole to 8003'.
	Ran Acme formation tester on 3-1/2" drill pipe with 1000' fresh water cushion. Set packer at 7940', bottom of tailpiece at 7955'. Opened tool one hour. There was only an initial light 15 second blow. 15' rise of watery drilling fluid. Tool was closed in one-half hour -- no pressure build up. Water shut-off approved by the Division of Oil and Gas.
/23-8/20	Drilled 7 5/8" hole to 9147' Cored the following intervals: 8047' - 8055', 8140' - 8149', 8273' - 8290', 8390' - 8402', 8476' - 8510', 8597' - 8646', 8672' - 8684', 8714' - 8728', 8757' - 8764', 8783' - 8801', 8826' - 8833', 8860' - 8867', 8968' - 8971', 9039' - 9044', 9090' - 9092', 9141' - 9147'
/1	Ran Schlumberger electric log, 8000' - 8613'
/21	Ran Schlumberger electric log, 8613' - 9143'
/22	Ran 1301' of 5 1/2" - 17# - N-80 liner (including a 4.6' liner hanger) to 9146' and cemented around shoe with 261 sacks of cement through 3 1/2" drill pipe

/

17

FORM 103. 44809 4-48 50M
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JAN 22 19[illegible]
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

OPERATOR General Exploration Company of Calif. FIELD Newhall-Potrero

Well No. "Ferguson" 3, Sec. 36, T. 4-N, R. 17-W, S. B. B. & M.

Signed C. G. Willis

Date October 26, 1947 Title Agent
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	
3/22	and displaced with 495 cubic feet of drilling fluid. Went in with bit and did not find cement above top of liner at 7845'.
3/24	Found top of cement in 5-1/2" liner at 8375' and drilled out cement to 9100'.
3/25	Ran Acme formation tester on 3-1/2" drill pipe, set packer at 7780', tailpiece at 7794', 1000' fresh water cushion, tool open one and one-half hours, 1/2" bean, Net total rise of 1200' of drilling fluid, equivalent to 50 cubic feet - 11.5 cubic feet of which came from below 8-5/8" shoe at 8000'.
3/26	Perforated 9 - 5/8" holes from 8440' - 8435' with McCullough gun. Ran Acme tester on drill pipe, set packer at 8393', tailpiece at 8408', 1000' water cushion, tool open 15 minutes, 3/8" bean, fluid outside drill pipe dropped away immediately, closed in 45 minutes. 1950' net rise of drilling fluid not cut by cement. No cement outside 5-1/2" liner above 8440'. Circulated behind liner and set Baker cement retainer at 8405'.
3/27	Cemented with 185 sacks through perforations from 8440' - 8435' through 3-1/2" drill pipe packed off at 7875' and displaced with 390 cubic feet of drilling fluid. Found top of cement in 8-5/8" at 7524' and drilled out to top of liner at 7845'.
3/28	Found top of cement in 5-1/2" at 8336' and drilled out to retainer at 8405'.
3/29	Ran Acme tester on 3-1/2" drill pipe, set packer at 7806', tailpiece at 7820', 1000' water cushion, tool open 1 hour and 6 minutes, 1/2" bean, closed in for 30 minutes. Net rise of 180' of drilling fluid equivalent to 1.4 barrels. Test witnessed by Insp. J. L. White for D. O. G., and splice test was approved. Drilled out cement retainer and cleaned out to 9100'.
3/30	Perforated 10 - 1/2" holes from 8715' to 8705' with McCullough gun. Ran Acme tester on drill pipe, packer at 8677', tailpiece at 8692', tool open 5 hours and 25 minutes, 3/8" bean, 1000' water cushion. Gas to surface in 3 hours 15 minutes. Closed in for 1 hour. Net fluid rise of 3720 ' or 27.5 barrels, which was comprised of 2 to 3 barrels of 33° oil and the remainder fresh water (100 gr/gal).
3/31	Perforated 110 - 1/2" holes at 6" spacing from 8770' to 8715' with McCullough gun. Ran Acme tester on drill pipe, packer at 8677', tailpiece at 8692', tool open for 9 hours 15 minutes, 3/8" bean, gas to surface in 2 hours 55 minutes. Went in with swab and hit fluid at a depth of from 2450' to 2650'. When pulling first swab with a load from 2900', line parted and swab dropped to bottom of drill pipe. 30 minutes before tool was closed, well started to blow mud and oil and shortly thereafter the fluid on outside was noticed to have dropped. Blew muddy water and light mud with 5 - 10 per cent 34° oil and considerable gas for two short intervals. Back scuttled gas-cut drilling fluid. Packer and valve were in good condition when pulled, indicating that circulation was made around the 5-1/2" liner from holes at 8440' and 8705'.
/2	Replaced top joint of 8-5/8" casing and landed same.

'2

18

FORM 103. 44809 4-45 30M
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JAN 22 19[illegible]
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

Operator General Exploration Company of Calif. Field Newhall-Potrero

Well No. "Ferguson" 3, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed C. G. Willis

Date October 26, 1947 Title Agent
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	
9/2-5	Perforated 740 - 1/2" holes with McCullough gun as follows: 8770' - 8700' 6" spacing 140 holes 8700' - 8650' 4" spacing 150 holes 8620' - 8470' 4" spacing 450 holes
9/4	Stuck McCullough gun perforator, pulled out of socket at 8520'. Recovered fish off bottom at 9100'.
9/5-6	Ran 8-5/8" packer to 7795' on 2-1/2" tubing and circulated out rotary mud with fresh water. Set packer.
9/7	Swabbing 34° oil at an estimated daily rate of 75 to 90 barrels.
9/10-12	Swabbing water from behind tubing after packing off bottom of tubing and shooting 2 holes near the bottom of the tubing, using the McCullough gun perforator.
9/12	Released packer and pulled tubing from 7795'.
9/12-15	Re-ran 2-1/2" tubing to 9078' without packer, landed same and swabbed at an estimated daily rate of 100 to 125 barrels of fairly clean 34° oil.
9/15-17	Pulled tubing. Perforated 958 - 1/2" holes with Byron Jackson gun as follows: 9092' - 9060' 4" spacing 90 holes 9018' - 8978' 4" spacing 108 holes 8880' - 8792' 4" spacing 252 holes 8770' - 8650' 6" spacing 224 holes 8620' - 8470' 6" spacing 284 holes
9/18	Set 5-1/2" packer at 8388' on 2-1/2" tubing.
9/18-21	Alternately swabbing and flowing.
9/22	On production. Flowing at daily rate of 103 barrels of 34.1° oil, cutting 1.0 per cent, 100,000 cubic feet gas, 210# to 240# on tubing and 375# on casing (packer not holding).

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121

13

19

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P299-148

PERMIT TO CONDUCT WELL OPERATIONS

500 (field code)
00 (area code)
— (new pool code)
30 (old pool code)

Bradford DeWitt, Agent
Medallion California Properties Co.
5400 Rosedale Highway
Bakersfield, California 93308

Ventura, California
October 5, 1999

Your proposal to abandon well "Ferguson" 4,
A.P.I. No. 037-12606 Sec. 36, T. 4N, R. 17W, SB B.&M.,
Newhall-Potrero field, ——— area, 5th pool
Los Angeles County, dated 9/28/99 received 10/4/99 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 II2M requirements shall be installed and maintained in operating conditions 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 8986'.
4. All portions of the well not plugged with cement are filled with an inert mud fluid having a minium density of 72 lbs./cu. ft. and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. Well site restoration is completed within 60 days following the plugging and abandonment of the well.
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 8400'.
   b. To witness the mudding of the well.
   c. To witness the location and hardness of the cement plug at 1000'.
   d. To witness the placing of the surface plug in the 13-3/8" and in the 7" x 13-3/8" annuli.
   e. To inspect and approve the cleanup of the well site before approval of the abandonment will be issued.

Blanket Bond
SAF:saf

Engineer Steven A. Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, JR., State Oil and Gas Supervisor

By _____
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 (6/96/GSR/5M) Printed on recycled paper.

2

OPERATOR Medallion Calif Prop. Co. A.P.I. 031 - 12006

WELL NO. "Ferguson" 4 SECTION 36, T. 4 N, R. 17 W

MAP

INTENTION	Abandon					
NOTICE DATED	9-28-99					
P-REPORT NUMBER	299-148					
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	10-4-99											
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: _____

OK TO RELEASE FROM CONFIDENTIAL _____

ABANDONED-REMOVED FROM E.D.P. _____

/

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CARDS ☒
BOND BB
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 "Ferguson" #4 API No. 03712606 Sec. 36 T. 4N R. 17W S.B. B.&M.

Newhall-Potrero Field Los Angeles County, starting work on 10/15/99

The present condition of the well is

1. Total depth: 8,987 ft (sidetrack)

2. Complete casing record, with plugs and perforations (present hole):
13-3/8" 54# J-55 csg cmt'd @ 405 ft.
7" 23#, 26#, & 29# N-80 casing cmt'd @ 8,604 ft.
5" 17# J-55 liner: 7/1948, orginal completion, 5" 17# J-55 liner hung @ 8,984 ft. Slotted 8,628 ft - 8,964 ft, 80 mesh. TOL 8,555 ft. 10/1949, cut 5" liner at 8,565 ft, milled 5" to 8,625 ft, set plug and sidetracked original hole to 8,987 ft. Hung 5" liner to 8,986 ft. TOL @ 8,555 ft. Liner slotted 80 mesh 8,610 ft - 8,984 ft.

3. Date last produced or injected: Pre-1992

Additional data for dry hole (show depths)

1. Oil or gas shows:

2. Stratigraphic markers:

Note: Well was a 5th Zone producer.

3. Formation and age at total depth:

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:

Please see attached program.

RECEIVED
OCT 04 1999

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 5400 Rosedale Highway (Street)
Bakersfield, CA 93308 (City) (State) (Zip)
Telephone Number 661-823-9006 (Area Code) (Number)

Medallion California Properties Company (Name of Operator)
By C. D. Fiddler (Print Name)
(Signature) 9/28/99 (Date)

OG108 (8/97)

3

3

PROPOSED ABANDONMENT PROGRAM
FERGUSON WELL #4
SECTION 36, T4N, R17W, SBB&M
NEWHALL-POTRERO FIELD, LOS ANGELES COUNTY

1. RU Coil Tubing Unit (CTU); install Class II BOPE. RIH and lay a Class "G" cement plug in the 5" liner and 7" casing from 8,986 ft to 8,400 ft. Tag cement plug. DOGGR to witness location and hardness of plug. Fill 7" casing with 72# clay based mud from 8,400 ft to 1,100 ft.

2. RU perforators, RIH with cavity shot gear to 1,100 ft, make cavity shot. POOH with perforating gear. RIH with coil tubing, clean out to bottom of cavity if necessary and set Class "G" cement plug from 1,100 ft to 1,000 ft. Tag top of plug. DOGGR to witness location and hardness of plug.

3. Fill 7" casing with 72# mud from 1,000 ft to 100 ft.

4. RU perforators and shoot eight (8) 1/2" holes at 100 ft. RD perforators. RIH with coil tubing and circulate surface plug into 7" x 13-3/8" casing annulus and 7" casing. DOGGR to witness surface plugging. RD coil tubing unit.

5. Clear surface location, cut off casing five feet below ground level and weld on required well identification marker. DOGGR to witness plug prior to welding ID plate. DOGGR to make inspection of location after restoration.

CDF 9/28/99

FLUID LEVEL SURVEYS

Field: Newhall-Potrero
Inspector: Bruce H. Hesson
Date: August 23, 1991

WELL		Pressure	FLUID LEVEL (fbgl)
"Fergeson"	2	12	6541
"	4	230	4898
"	6	30	7595
"	7	175	7440
"	9	(Well is buried - to be tested later)	
"RSF"	24	15	5456
"	25	vac.	6076
"	31	40	5301
"	36	20	5332
"	47	vac.	4991
"	50	1	4898
"	51	4	3534
"	52	vac.	3503
"	124	17	4681
"	132	15	4371

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-2	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form OGD148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

OGD156 (6/90/GSR1/2M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address: P.O. Box 55060, Valencia, Ca. 91355	Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: Newhall-Potrero — District: 1

Former Owner: General Exploration Co. of Calif. — Date: March 3, 1965

Description of Property: Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: January 1, 1965
New Owner: SUNRAY DX OIL COMPANY
Address: 23928 Lyons Ave., Newhall, Calif.

Telephone No.: 259-2440

Type of Organization: Corporation
Reported by: General Exploration Co. of Calif. on Dec. 1964 Production Report
Confirmed by: Sunray DX Oil Co. in letter dated 3-1-65
New Operator New Status PA , Old Operator New Status PA
Request designation of agent No

Remarks:

cc E. R. Murray-Aaron
Production Dept.
Conservation Comm.

Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M © SPO

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75

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
DEC
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall Potrero

Well No. "Ferguson" #4, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed R. S. Ballantyne, Jr.
R. S. Ballantyne,
Engineer.
(President, Secretary or Agent)

Date November 9, 1949

Title

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	
1949	
1/7	Pumping 20 B/D net, 34.0° oil, cutting 0.1%
1/8-21	Took well off pump. Moved out pumping unit. Rigged up rotary. Filled casing with oil base drilling fluid. Pulled tubing. Made up drill pipe. Cleaned out to bottom, 8985', and conditioned drilling fluid.
1/22-30	Fishing for 5" liner (top at 8553', bottom at 8984'). Cut liner at 8580' and recovered 27', cleaned out to 8985' and washed perforations. Jarred on stub of liner at 8580', shot Ford Alexander string shot, and again jarred without success. Repeated above procedure twice without success. Ran Baash-Ross inside cutters and cut liner at 8900', 8800' and 8700'. Jarred without success. Cut liner at 8750' and 8650'. Jarred with no results.
10/1-3	Tore out and rigged up heavier equipment (J-1000).
10/3-6	Cleaned out to 8985'. Cut liner at 8725' and 8625'. Jarred and recovered 45' of liner to 8625'. Jarred on liner at 8625' with negative results. Cut liner at 8675'. Could not recover additional fish.
10/7-9	Milled off top of liner at 8625' and sidetracked original hole.
10/9-15	Drilled 6-1/8" hole from 8625' to 8987'.
10/15-16	Shot the intervals from 8693' to 8735' and 8780' to 8948' with 213 Byron Jackson open hole strata jet shots, 1' spacing. Made total of 10 trips shooting 21 and 26 shots per trip. Cleaned out to bottom once while perforating.
10/17	Cleaned out to 8987'. Ran total of 444' (including liner hanger) of 5", 17#, J-55 liner on 3-1/2" drill pipe and landed liner at 8986' with top of hanger at 8542'. Liner perforated from 8986' to 8610' with 2" x 90-mesh slots on 6" centers in 6 ro
10/18-19	Ran Olympic packer on 2-1/2" tubing to 8510', circulated out oil base drilling fluid with oil and set packer at 8510'.
10/19-21	Swabbed oil. Apparent rate of fluid entry was approximately 20 B/D, no appreciable increase in production over 9/7/49.
10/21-23	Unseated packer and circulated oil out with oil base drilling fluid. Laid down tubing and made up 3-1/2" drill pipe. Cut liner at 8555' and recovered 10' of liner and hanger. Could not jar out balance of liner below 8555'.
10/24	Washed perforations from 8610' to 8710' where sand bridge was encountered. Ran in with bit, found top of bridge at 8632' and cleaned out to 8987'.
10/25	Washed liner from 8604' to 8987', shot Ford Alexander string shot over same interval and rewashed liner to 8987'.
10/	Could not jar liner out. Circulated oil base drilling fluid out with oil.
10/27	Ran 226 joints of 2-1/2" tubing and landed at 6980'.
10/29-11/2	Putting well on pump. First normal day's production: 26 B/D.
11/3-8	Average production 20 B/D net, 34.0°, 0.1% cut.

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 1-47289

Los Angeles 15, Calif. September 27, 1949

Mr. C. G. Willis

Los Angeles 13, Calif.

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Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

Dear Sir:

Your proposal to alter casing Well No. "Ferguson" 4, Section 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County, dated Sept. 7, 1949, received Sept. 23, 1949, 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:
The 7" shut-off above the perforations at 8570' was approved.

THE NOTICE STATES:
"The present condition of the well is as follows:
1. Complete casing record.
13-3/8", 54#, J-55 cemented at 405' with 410 sacks
7" (23, 26, 29#) N-80 cemented at 8604' with 850 sacks
5", 17#, J-55 liner landed at 8984' with top at 8553', and perforated from 8984' to 8628'.
Total Depth 8985'.

2. Last produced 9/7/49 (Date) — 20 bbl. (Net Oil) — 34.0° (Gravity) — 0.1% (Cut)"

PROPOSAL:
"The proposed work is as follows:
1. Take well off production (pumping).
2. Fill hole with oil base drilling fluid.
3. Remove all of 5" liner.
4. Shoot open hole shape charges on 1' spacing over the following intervals (approximate): 8950' - 8850', 8855' - 8780', 8735' - 8610'.
5. Rerun 5" liner.
6. Put on production."

DECISION:
THE PROPOSAL IS APPROVED.

ERNA:OH

cc- Company

W/B

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Meussen Deputy

2402 1-49 36,500 SPO

No bond required.

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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

RECEIVED
SEP 23 1949
LOS ANGELES, CALIFORNIA

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given fifteen days before work begins when possible

Los Angeles, Calif. September 7, 1949

DIVISION OF OIL AND GAS
1015 West Olympic Boulevard
Los Angeles (15), 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 ~~deepening, redrilling, plugging or~~ altering casing at well No. "Ferguson" 4
(Cross out unnecessary words)

, Sec. 36, T. 4-N, R. 17-W, S.E. B. & M.

Newhall-Potrero Field, Los Angeles County.

The present condition of the well is as follows:

1. Complete casing record.

13-3/8", 54#, J-55 cemented at 405' with 410 sacks
7" (23, 26, 29#) N-80 cemented at 8604' with 850 sacks
5", 17#, J-55 liner landed at 8984' with top at 8553', and perforated from 8964' to 8628'.
Total Depth 8985'.

2. Last produced 9/7/49 (Date) | 20 bbl. (Net Oil) | 34.0° (Gravity) | 0.1% (Cut)

The proposed work is as follows:

1. Take well off production (pumping).
2. Fill hole with oil base drilling fluid.
3. Remove all of 5" liner.
4. Shoot open hole shape charges on 1' spacing over the following intervals (approximate):
   8950' - 8880', 8835' - 8780', 8735' - 8610'.
5. Rerun 5" liner.
6. Put on production.

all [illegible]

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121

GENERAL EXPLORATION COMPANY OF CALIFORNIA
(Name of Operator)

By R. S. Ballantyne, Jr.
R. S. Ballantyne, Jr., Engineer.

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

FORM 107
73216 5-47 17 500 SPO

13

GENERAL EXPLORATION COMPANY
OF CALIFORNIA
417 SOUTH HILL STREET
LOS ANGELES 13, CALIFORNIA
MUtual 2156

DIVISION OF OIL AND GAS
RECEIVED
AUG 27 1948
LOS ANGELES, CALIFORNIA

August 24, 1948

Division of Oil and Gas
1015 West Olympic Boulevard
Los Angeles (15), California

Gentlemen:

Attached are the following reports on our "Ferguson" #4 well:

2 copies - Form 100 Log and Casing Record,
2 copies - Form 103 History,
2 copies - Form 101 Core Descriptions, and
2 copies - Electrologs as listed on Form 100.

According to our records all necessary reports have now been sent in. Will you, therefore, kindly release us from bond at your earliest convenience.

Yours very truly,

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

J. W. Ash,
Executive Vice-President

GS

74

SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
AUG 27 1948
LOS ANGELES, CALIFORNIA

WELL SUMMARY REPORT

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" #4 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Location 2020' S. and 938' E. from N. corner of Easternmost line of Lot 10, measured parallel and normal to said line.

Elevation of ground above sea level 1459 feet.
All depth measurements taken from top of Kelly bushing, which is 10 feet above ground.

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 August 19, 1948

Signed _____

R. S. Ballantyne, Jr. (Engineer or Geologist)

C. C. Winslow (Superintendent)

Title J. W. Ash, Executive Vice-Pres. (President, Secretary or Agent)

Commenced drilling March 24, 1948 Completed drilling July 14, 1948 Drilling tools ~~Cable~~ Rotary

Total depth 8,985 Plugged depth —

Junk None

GEOLOGICAL MARKERS	DEPTH
Top "Ferguson" 3 Zone	8,610'

Commenced producing July 19, 1948 (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	44	34.1°	0.1	25	0# - 200#	---
Production after 30 days	35	34.0	0.1	25	0 - 180	---

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 Cement if through perfs
13-3/8"	405'	0'	54#	New	Seamless	J-55	18-5/8"	410	---
7"	121	0	29	New	Seamless	N-80	11"	850	---
	1,823	121	26						
	5,482	1,823	23						
	7,272	5,482	26						
	8,604'	7,272	29						
5"	8,984	8,553	17	New	Seamless	J-55	6-1/8"	-	---

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	8,628 ft.	8,984 ft.	80 mesh x 2"	6	6	Machine
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

MAP | MAP BOOK | CARDS | BOND | FORMS 1 4 121

9 Electrical Log Depths 405' to 8,985' (Attach Copy of Log) 15

FORM 103. 62984 9-46 47,500
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
AUG 27 1948
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 4, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed

Date August 19, 1948

Title J. W. Ash, Executive Vice-President
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	
1948	
/24-27	Spudded and drilled 11" hole to 405' and opened hole from 11" to 18-5/8" to 405'.
/27	Ran 13-3/8", 54-1/2#, J-55 Casing to 405' and cemented with 410 sacks construction cement.
/29 to /23	Drilled 11" hole from 405' to 8642' with clay base drilling fluid. Cored the following intervals: 7,761' to 7,769'; 7,954' to 7,961'; 8,211' to 8,226'; 8,420' to 8,431'; 8,492' to 8,502'; 8,562' to 8,572'; 8,632' to 8,642'
/17	Ran electric log (Schlumberger) from 405' to 8,420'.
/23	Ran electric log (Schlumberger) from 8,420' to 8,642'.
/24-25	Ran 7", 23#, 26#, 29#, N-80 casing to 8,604' and cemented with 850 sacks of cement (Permanente Modified). Cement was displaced with 1,820 cubic feet of drilling fluid. Plug hit with final pressure of 800#.
/28	Found top of cement at 8,556' and drilled out cement to 8,584'. Shot four 5/8" holes at 8,570' with gun perforator (Byron-Jackson).
/29	Ran formation tester (Acme) on 3-1/2" drill pipe with 1,073' fresh water cushion. Set packer at 8,528' and tailpiece at 8,547'. Opened valve at 4:57 A.M. Tool open one hour with 1/2" bean. Initial 10 second puff and dead throughout remainder of test. Net rise of 60' or 0.2 bbl. heavy drilling fluid. Water Shut Off approved.
/28 to /14	Drilled 6-1/8" hole from 8,642' to 8,985' with oil base drilling fluid. Cored the following intervals: 8,710' to 8,722'; 8,781' to 8,786'; 8,843' to 8,853'; 8,911' to 8,915'; 8,970' to 8,974'
/15	Ran electric log (Schlumberger) from 8,642' to 8,985'. Ran 421' of 5", 17#, J-55, flush joint liner and landed at 8,984'. Top of liner at 8,553', perforated from 8,628' to 8,984'.
/17-18	Ran 8,508' of 2-1/2" tubing with packer on bottom. Circulated oil base drilling fluid out with clean oil. Set packer.
/18-19	Swabbed into production 6:30 A.M. 7/19/48. Initial Production 44 barrels net oil, 34.1°, 0.1% with well flowing by heads and tubing pressure 0# - 200#.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or change	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by: Oryx Energy Company

Confirmed by: Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

- PA – Producing Active
- NPA – No Potential, Active
- PI – Potential Inactive
- NPI – No Potential, Inactive
- Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form OGD148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

OGD156 (6/90/GSR1/2M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address: P.O. Box 55060, Valencia, Ca. 91355	Telephone No. (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

2 OGD156 (12-77 C581 3M)

2

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: Newhall-Potrero — District: 1

Former Owner: General Exploration Co. of Calif. — Date: March 3, 1965

Description of Property: Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: January 1, 1965
New Owner: SUNRAY DX OIL COMPANY
Address: 23928 Lyons Ave., Newhall, Calif.

Telephone No. 259-2440

Type of Organization: Corporation
Reported by: General Exploration Co. of Calif. on Dec. 1964 Production Report
Confirmed by: Sunray DX Oil Co. in letter dated 3-1-65
New Operator New Status PA, Old Operator New Status PA
Request designation of agent No

Remarks:

cc E. R. Murray-Aaron
Production Dept.
Conservation Comm.

Wm. C. [illegible]
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M SPO

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FORM 100. 7-48
CALIFORNIA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE

FILL THE BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 5 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Location 2906' S. and 1512' E. from N. corner of easternmost line of Lot 10 measured parallel and normal to said line.

Elevation above sea level 1506 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

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 4/15/49

Signed C. C. Willis

R. S. Ballantyne (Engineer or Geologist)

C. C. Winslow (Superintendent)

Title C. C. Willis, Agent (President, Secretary or Agent)

Commenced drilling 12/6/48 Completed drilling 3/8/49 Drilling tools ~~Cable~~ Rotary

Total depth 7283' Plugged depth ----

Junk None

GEOLOGICAL MARKERS	DEPTH
Top of second zone	6974'

Commenced producing 3/8/49 (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	286	32.5	0.1	275	250	---
Production after 30 days	158	33.0	0.1	165	50	---

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 Drilled	Number of Sacks of Cement	Depth of Cement if through perforat
11-3/4"	442'	0'	47#	New	Seamless	J-55	17-1/2"	370	---
	453'	0'	26#			N-80			
	990'	453'	23#			N-80			
~~7"~~	~~6581'~~	~~990'~~	~~23#~~	~~New~~	~~Seamless~~	~~J-55~~	~~11"~~	~~600~~	~~---~~
	6923'	6581'	23#			N-80			
	6965'	6923'	26#			N-80			
~~5"~~	~~7282'~~	~~6921'~~	~~16#~~	~~New~~	~~Seamless~~	~~J-55~~	~~6-1/8"~~	~~--~~	~~---~~

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	7282' ft.	6984' ft.	2" x 80-mesh	6	6"	Machine slotted
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 442' - 7278' (Attach Copy of Log)

FORM 103. 62564 9-46 47,500
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" 5, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed C. G. Willis

Date April 15, 1949 Title C. G. Willis, Agent
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	
1948	
2/6-9	Spudded and drilled 17-1/2" hole to 442'
2/9	Ran 11-3/4", 47#, J-55 casing to 442' and cemented with 370 sacks of construction cement. Cement returned to the surface.
2/11-31	Drilled 11" hole from 442' to 4176'
1949	
1/1 3	Drilled 11" hole from 4176' to 6860'
2/6-13	Drilled 8-1/2" hole from 6860' to 7019', coring the following intervals: 6889' - 6900' 6955' - 6981' 6941' - 6946' 6982' - 7014'
2/9	Ran schlumberger electric log from 6940' to 442'
2/12	Ran schlumberger electric log from 7013' to 6940'
2/13-15	Hole reamed from 8-1/2" to 11" from 6860' to 6965'
2/16	Ran 7", 23# and 26#, J-55 and N-80 casing to 6965' and cemented with 600 sacks slow cement. Plug hit at 700#, built up to 900#.
2/20	Found hard cement at 6840' and drilled cement out to 6933'.
2/21	Shot 4 one-half inch holes from 6900'-6899' with Lane Wells gun perforator. Ran Acme formation tester on 3-1/2" drill pipe with 500' of fresh water cushion. Set packer at 6877' with tailpiece at 6893'. Tool opened at 9:35 A.M. and open for one hour. There was a light steady blow to dead after 3-1/2 minutes and no blow thereafter. A net use of 105' of medium drilling fluid was recovered in the drill pipe. Water Shut Off was approved.
2/22	Drilled out cement from 6933' to shoe at 6965' and cleaned out 8-1/2" hole to 7019' with 6-1/8" bit.
2/23	Changed from clay base to 100% oil base mud.
2/23-27	Drilled 6-1/8" hole from 7019' to 7145', coring the following intervals: 7061'-7083' and 7108'-7145'.
2/27	Ran Schlumberger electric log from 7141' to 7013'.
2/28	Ran Acme formation tester on 3-1/2" drill pipe. Set packer at 6875' with tailpiece at 6891'. Opened tool at 1:30 A.M.-- immediate strong blow-- gas to surface in 15 minutes-- fluid to surface in 65 minutes. Built up tubing pressure of 550# on 24/64 bean. Flowed well 45 minutes into sump-- no gauged rate. Shut in pressure of 2500# recorded on pressure bomb chart. Oil was 31.1° to 32.8° with 0.1% cut.
2/28-3/6	Drilled 6-1/8" hole from 7145' to 7283', coring the following intervals: 7199'-7206' and 7224'-7283'.
3/3	Ran Schlumberger electric log from 7220' to 7141'

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FORM 103. 62384 9-46 47.500
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" 5, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed C. C. Willis

Date April 15, 1949 Title C. C. Willis, Agent
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	
1949	
3/6	Ran Schlumberger electric log from 7278' to 7220'
3/7	Set 361' (including 3' Burns lead seal hanger) of 5", 15#, J-55 liner at 7282' with top of liner hanger at 6921'. Perforated from 7282' to 6984' with 6 rows of 2" x 80-mesh slots on 6" centers
3/8	Ran 220 joints of 2-1/2" tubing with Olympic packer (30"stroke) hanging at 6875'. At 9:15 P.M., after 4 trips with swab well started flowing.
3/9	Initial production: 286 barrels net 32.5° oil cutting 0.1% on 23/64" bean making approximately 275 M.C.F. gas with tubing pressure of 250#.
4/9	Production after one month: 158 bbl. net, 33.0° oil cutting 0.1% on 32/64" bean making approximately 150 M.C.F. gas with tubing pressure of 50#.

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FORM 109-A (10-48)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-49378

Los Angeles 15, Calif. February 24, 1949

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your well No. "Ferguson" 5, Sec. 36, T. 4 N., R. 17 W., S.B. B & M. Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on February 21, 1949. Mr. J. L. White, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present R. Ballantyne, Engineer; C. Winslow, Superintendent.

Shut-off data: 7 in. 23 & 26 lb. casing was cemented xxxx at 6965 ft. on February 16, 1949 in 11 in. hole with 600 sacks of cement xxxx of which 23 sacks was left in casing.

Casing record of well: 13-3/8" cem. 442'; 7" cem. 6965'; four 1/2" test holes 6900', W.S.O.

Present depth 7019 ft. Bridged with cement from 6965 ft. to 6933 ft. Cleaned out to 6933 ft. for test. A pressure of xxx lb. was applied to the inside of casing for xxx min. without loss after cleaning out to xxx ft. An Acme tester was run into the hole on 3-1/2 in. drill pipe ~~tubing~~ with 500 ft. of water-~~xxx~~cushion, and packer set at 6877 ft. with tailpiece to 6893 ft. Tester valve, with 5/8 in. bean, was opened at 9:35 a.m. and remained open for 1 hr. and xxx min. During this interval there was a light, steady blow for 3-1/2 min., and no blow thereafter.

THE INSPECTOR ARRIVED AT THE WELL AT 1:30 P. M. AND MR. BALLANTYNE REPORTED:

1. An 11" rotary hole was drilled from 442' to 6970'; an 8-1/2" rotary hole, 6970'-7019'.
2. Electrical core readings showed the top of the 2nd zone at 6985'.
3. Cement was drilled out of the 7" casing from 6840' to 6933' (equivalent to 17 sacks), and the casing was cleaned out to 6933'.
4. The 7" casing was shot-perforated with four 1/2" holes at 6900' for this test.
5. An Acme tester was run as noted above.

THE INSPECTOR NOTED:

1. When the drill pipe was removed, 105' (net) of medium drilling fluid was found in the drill pipe above the tester, equivalent to 0.8 bbl.
2. The recording pressure bomb chart showed that the tester valve was open 1 hr.

The test was completed at 4:15 p.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 6900' IS APPROVED.

JLW:OH
9/1 a/R
cc- Company

R. D. BUSH, State Oil and Gas Supervisor

By E H Musser, Deputy
Ma

98241 10-48 25M SPC

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FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-49220

Los Angeles 15, Calif. January 18, 1949

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Operations at your well No. "Ferguson" 5 Sec. 36, T. 4 N., R. 17 W., S. B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by N. N. Sampson, Inspector, representative of the supervisor, on January 4, 1949. There was also present R. A. Lewis, drilling foreman W. W. Stueger, driller

Casing Record	Junk
20" cem. 17'; 13-3/8" cem. 442'; T.D. 4520'	None

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 11:30 p.m. and Mr. Lewis reported:

1. A 17" rotary hole was drilled from 17' to 442'.
2. On December 9, 1948, 13-3/8" 54 lb. casing was cemented at 442' with 370 sacks of cement.
3. Cement returned to the surface.
4. An 11" rotary hole was drilled from 442' to 4520'.

THE INSPECTOR NOTED that the well was equipped with the following blowout prevention equipment:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 2" mud fill-up line, with a 2" high pressure stopcock, into the 13-3/8" casing, below the above equipment.

The inspection was completed at 11:55 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

cc - Company

NNS:ES

R. D. BUSH
State Oil and Gas Supervisor
By E. H. Nuesser Deputy

86681 2-48 16,250 © SPO

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FORM 111.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-45964

Los Angeles 15, Calif. November 30, 1948

MR. C. G. Willis

Los Angeles 13, Calif.

Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your proposal to drill Well No. "Ferguson" 5, Section 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County, dated Nov. 19, 1948, received Nov. 23, 1948, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 2906' feet S. and 1612' feet E. from North corner of easternmost line of Lot 10, measured parallel and normal to said line. 1290' S ly and 1612' E ly fr. NW Cor Ferg. L.
Elevation of ground above sea level 1562 feet.
All depth measurements taken from top of Kelly bushing, which is _____ feet above ground.
We estimate that the first productive oil or gas sand should be encountered at a depth of about 6900 feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
13-3/8"	47#	J-55	400'	Cemented
7"	23# and 26#	N-80	6900'	Cemented
5"	17.93#	J-55	6900-7300'	Landed

Well is to be drilled with rotary tools.
It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT

1. Mud fluid consistent with good drilling practice shall be used and the column of mud flui maintained at all times to the surface, particularly while pulling the drill pipe.
2. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
3. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possibl
4. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS
   (a) To inspect the installed blowout prevention equipment before drilling below 1000'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

cc - Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

CLB:ES

Bond No. 129115

15

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FORM 105.
CALIFORNIA STATE PRINTING OFFICE

DIVISION OF OIL AND GAS
RECEIVED
NOV 2 ...
LOS ANGELES, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

037-12607

Notice of Intention to Drill New Well 9

This notice must be given and surety bond filed before drilling begins

Los Angeles, Calif. November 19, 1948

DIVISION OF OIL AND GAS
1015 West Olympic Boulevard
Los Angeles (15), 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. "Ferguson" #5, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

Legal description of lease (See attached plat)

The well is 2906' feet ~~N. or~~ S., and 1612' feet E. ~~of W.~~ from (North corner of easternmost line of (Lot 10, measured parallel and normal to said line.
(Give location in distance from section corners or other corners of legal subdivision)

Elevation of ground above sea level 1562 feet.

All depth measurements taken from top of Kelly bushing, which is ..... feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 6900 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"	47#	J-55	400'	Cemented
7"	23# and 26#	N-80	6900'	Cemented
5"	17.93#	J-55	~~6900-~~ 7300'	Landed

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A PW	B		12-7-45		

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 750 Subway Terminal Building
417 South Hill Street
Los Angeles (13), California

Telephone number MU-2156

GENERAL EXPLORATION COMPANY
OF CALIFORNIA
(Name of Operator)

By C. G. Willis
C. G. Willis, Agent

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

1210 S; 1625' W N.W. Cor Ferguson Lease

'6

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FLUID LEVEL SURVEYS

Field: Newhall-Potrero
Inspector: Bruce H. Hesson
Date: August 23, 1991

WELL		Pressure	FLUID LEVEL (fbgl)
"Fergeson"	2	12	6541
"	4	230	4898
"	6	30	7595
"	7	175	7440
"	9	(Well is buried - to be tested later)	
"RSF"	24	15	5456
"	25	vac.	6076
"	31	40	5301
"	36	20	5332
"	47	vac.	4991
"	50	1	4898
"	51	4	3534
"	52	vac.	3503
"	124	17	4681
"	132	15	4371

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-2	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by: Oryx Energy Company

Confirmed by: Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

- PA – Producing Active
- NPA – No Potential, Active
- PI – Potential Inactive
- NPI – No Potential, Inactive
- Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

OGD156 (6/90/GSR1/2M)

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address: P.O. Box 55060, Valencia, Ca. 91355	Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

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FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: Newhall-Potrero — District: 1

Former Owner: General Exploration Co. of Calif. — Date: March 3, 1965

Description of Property: Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: January 1, 1965
New Owner: SUNRAY DX OIL COMPANY
Address: 23928 Lyons Ave., Newhall, Calif.

Telephone No.: 259-2440

Type of Organization: Corporation
Reported by: General Exploration Co. of Calif. on Dec. 1965 Production Report
Confirmed by: Sunray DX Oil Co. in letter dated 3-1-65
New Operator New Status PA , Old Operator New Status PA
Request designation of agent No

Remarks:

cc E. R. Murray-Aaron
Production Dept.
Conservation Comm.

Wm. C. Pack
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

75184 1-63 SM SPO

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SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 6 Sec. 35, T. 4-N, R. 17-W, S.B. B. & M.

Location 3258' S. and 2139' E. from N. corner of easternmost line of Lot 10, measured parallel and normal to said line. Elevation above sea level 1535' feet.

All depth measurements taken from top of Kelly bushing which is 11 feet above ground.

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 October 6, 1949 Signed Thomas H. Work

R. S. Ballantyne, Jr. (Engineer or Geologist) C. C. Winslow (Superintendent) Title Thomas H. Work, Secy. (President, Secretary or Agent)

Commenced drilling 6/19/49 Completed drilling 9/1/49 Drilling tools Cable Rotary

Total depth 7295' Plugged depth --

Junk None

GEOLOGICAL MARKERS	DEPTH
Top second zone	6998'

Commenced producing 9/6/49 (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	551	33.1°	0.5	300 (est).	320	0
Production after 30 days	418	34.0	0.1	250 (est).	130-250	0

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 Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
13-3/8"	455'	0'	54#	New	Seamless	J-55	17-1/2"	350	
7"	6990'	6815'	26#)						
7"	6815'	50'	23#)	New	Seamless	N-80	11"	650	
7"	50'	0'	26#)						
5"	7290'	6944'	18#	New	Seamless	J-55	6-1/8"	Landed	

Perforations

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
7"	6978 ft.	6977 ft.	1/2" hole	1	3"	Johnston gun
	7290 ft.	7005 ft.	2"x80 mesh	6	6"	Machine slotted
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 455' - 7290' (Attach Copy of Log)

5

FORM 103
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" 6, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed [signature]

Date September 12, 1949

Title Thomas H. York, Secy. (President, Secretary or Agent)

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	
1949	
6/19-22	Spudded and drilled 17-1/2" hole from surface to 455'.
6/22	Ran 13-3/8", 54#, J-55 casing to 455' and cemented with 350 sacks of construction cement.
/23-8/17	Drilled 11" hole from 455' to 7031'. Cored the interval from 7013' to 7031'.
8/17	Ran Schlumberger electric log from 455' to 7031'.
/18-19	Ran 7", 23# and 26#, N-80 casing to 6990' and cemented with 550 sacks oil well slow cement. Displaced cement with 1520 cubic feet of drilling fluid. Plugs apparently hit at displacement pressure of 1000# and built up to 1100#. Depths for various weights of casing as follows: 26# from 6990' to 6815'; 23# from 6815' to 50'; and 26# from 50' to surface.
/22-23	Found top of set cement at 6902'. Drilled cement out to 6980'. Ran Johnston combination gun and tester on 3-1/2" drill pipe with 500' of fresh water cushion. Shot four 1/2" holes from 6978' to 6977'. Set packer at 6954' with tailpiece at 6976'. Valve open from 2:15 to 3:15 A.M. Initial medium flow decreasing to dead after 3-1 minutes. There was no blow for the remainder of the test. Recovered a net rise of 30' of light drilling fluid. Water Shut-Off approved by Division of Oil and Gas.
/	Drilled cement out from 6980' to 7" shoe at 6990' and cleaned out to 7031'. Changed over to oil base mud.
/ -9/1	Drilled 6-1/8" hole from 7031' to 7295'. The following intervals were cored: 7081'-7096', 7165'-7185', and 7257'-7275'.
/1-2	Ran Schlumberger electric log from 6990' to 7290'. Shot the following open hole intervals on approximately 12" spacing with Byron-Jackson stratajet: 7270'-7230' (35 shots), 7141'-7135' (7 shots). After shooting the interval 7270' to 7230' the hole bridged at 7190' and after shooting the interval 7141' to 7135' the hole bridge at 6992'. Ran in with drill pipe and cleaned out bridges from 6992' to 7002' and 7190' to 7205', cleaned out to 7290' and conditioned mud. Shot the interval from 7134' to 7120' (14 shots) with Byron-Jackson stratajet. The hole bridged once more at 6990'.
/3-4	Ran in with drill pipe, cleaned out bridge from 6990' to 7000', cleaned out to 7290' and conditioned hole. Ran 346' of 5", 18#, J-55 liner (including Burns lead seal liner hanger) on 3-1/2" drill pipe. Landed liner at 7290' with top of hanger at 6944'. Liner perforated from 7290' to 7005' with 2"x80 mesh slots on 6" centers in 6 rows.
/5	Ran Olympic production packer on 2-1/2" tubing with 2-1/2"x2" swage nipple tail. Set packer at 6900' (6911' K.B.). Opened dump in packer and circulated oil lease mud out with oil and closed dump. Swabbed well from 8:30 P.M. to 10:20 P.M. when well started to flow.

6

FORM 103
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" #6, Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Signed

Date September 13, 1949 Title Thomas H. Work, Secy.
(President, Secretary or Agent)

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	
9/6/49	Produced at a daily rate of 996 barrels net oil on 36/64" bean with 270# on tubing for the first 8 hours on a 36/64" bean after which time the well was beaned back to a 25/64" choke.
9/7	536 barrels net, 33.1°, 0.3%, 300 M.C.F. (estimated), 320#/0#, 25/64" bean.

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FORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 6 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					Mercury Conventional 8-1/2" bbl.
7013'	7031'			9.0'	CORE #1
		3.8'			Oil conglomeratic very firm and firm-hard, fairly easily friable. Pebbles up to 3/ fine matrix. Light slightly brown-gray, good light oil odors, dark straw to ligh mahogany cuts. Good clean bright yellow gold fluorescence. Bottom contact dips 63°.
		1.7'			1/8" to 1/4" shale parting. Oil sand firm-hard, barely friable, fine light brown-gray. Amber cuts, good y-ll gold fluorescence with several thin s and streaks of shale, silty material and occasional conglomeratic lenses. Beddin irregular with generalized dips as follo 60°, 57°, curved 55°-39°, and irregular 32° dip on bottom. Several bedding-plan slickensides on shale partings.
		.2'			Conglomeratic as above (shelly).
		.8'			Shale hard gray-brown, bottom 1/2 well lam nated with fine sandy and silty material 20°-24° dips.
		2.3'			Oil sand firm-hard and hard, somewhat to barely friable, fine fairly well-sorted, light slightly brown-gray, good odor, light amber cuts, good yellow gold fluor escence. Contains six to seven 1/2" to 1-1/2" streaks shale and fine silty material. Dips 25°-28°.
		.2'			Shale hard gray-brown with several thin fi white sand laminae questionable 43° dip.
		9.0'			
					Cores #2 - 4 taken with oil-base mud. All permeable sands show 100% oil penetratio hence no cuts, odors, or fluorescence are given.

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FORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 6 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					Mercury Conventional 6-1/8" Core Bbl.
7081'	7096'			1.3'	CORE #2
		.8'			Shelly oil conglomeratic hard somewhat friable, pebbles up to 1/2", fine and medium matrix. Bottom .2' contains granitic pebbles up to 1-1/4".
		.3'			Shale hard medium brown-gray with light gr sand streaks.
		.2'			Oil conglomeratic as above.
		1.3'			
7165'	7185'			1.8'	CORE #3
		1.4'			Shale hard medium dead gray silty with two 1" to 1-1/2" oil sand medium fine poorly sorted. Indication of dips as follows: 32°, 30°, 30°, 31°.
		.4'			Oil sand as above.
		1.8'			
7257'	7275'			12.4'	CORE #4
		.9'			Oil sand, very firm, friable fine matrix with considerable coarse sand grains up to 1/8".
		.6'			Shell, very hard medium fine poorly sorted light gray sandstone.
		5.2'			Oil sand firm fine and medium fine poorly sorted, fairly easily friable, locally barely friable.
		3.9'			Oil sand, finely conglomeratic, firm, easil friable, pebbles up to 3/16", fine matrix 1/4" shale streak at 3.5', 32° dip.
		.9'			Shale silty with several fine sandy and sil streaks. Dips 25°-28°.
		.7'			Oil sand as first described above, with 1" shale streak in middle.
		.2'			Shale.
		12.4'			

7

FORM 109-A (10-48)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T1-50168

Los Angeles 15, Calif. August 26, 1949

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your well No. "Ferguson" 6, Sec. 36, T. 4 N., R. 17 W., S. B. B & M.
Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on August 23, 1949. Mr. Paul Batts, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present R. Ballantine, Engineer; E. J. Hopkins, Drilling Foreman.

Shut-off data: 7 in. 23 & 26 lb. casing was cemented xxx at 6990 ft. on August 19, 1949 in 11 in. hole with 650 sacks of cement xxx of which 35 sacks was left in casing.

Casing record of well: 13-3/8" cem. 445'; 7" cem. 6990'; 4, 1/2" test holes at 6977', W.S.O.

Present depth 7031 ft. Bridged with cement from 6990 ft. to 6980 ft. Cleaned out to 6980 ft. for test. A pressure of 1000 lb. was applied to the inside of casing for 30 min. without loss after cleaning out to 6802 ft. A Johnston gun and tester was run into the hole on 3-1/2 in. drill pipe ~~tubing~~ with 500 ft. of water-mud cushion, and packer set at 6954 ft. with tailpiece to 6976 ft. Tester valve, with 3/8 in. bean, was opened at 2:15 a.m. and remained open for 1 hr. and xxx min. During this interval there was a medium blow for 3 minutes and no blow thereafter.

THE INSPECTOR ARRIVED AT THE WELL AT 6:00 A.M. AND MR. BALLANTINE REPORTED THE FOLLOWING:

1. An 11" rotary hole was drilled from 445' to 7031'.
2. The 7" casing was shot-perforated with 4, 1/2" holes at 6977' for this test.

THE INSPECTOR NOTED THE FOLLOWING:

1. When the drill pipe was removed, there was a net rise of 30' of light drilling fluid in the drill pipe above the tester, equivalent to 0.2 bbl.
2. The recording pressure bomb chart showed that the tester valve was open 1 hour.

The test was completed at 7:15 a.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 6977' IS APPROVED.

cc - Company

PB: ES

R. D. BUSH, State Oil and Gas Supervisor

By E. H. Meissner, Deputy

59241 10-48 25M SPO

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FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-49976

Los Angeles 15, Calif. July 1, 1949

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

121

DEAR SIR:

Operations at your well No. "Ferguson" 6 Sec. 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by N. N. Sampson, Inspector, representative of the supervisor, on June 24, 1949. There was also present H. E. Silas, Driller; H. A. Jennings, Helper.

Casing Record 13-3/8" cem. 445'. T.D. 950'. | Junk None

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 12:30 p.m. and Mr. Silas reported:

1. A 17-1/2" rotary hole was drilled from the surface to 445'.
2. On June 22, 1949, 13-3/8", 54.5 lb. casing was cemented at 445' with 350 sacks of cemer
3. Cement returned to the surface.
4. An 11" rotary hole was drilled from 445' to 950'.

THE INSPECTOR NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole, and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 2" mud fill-up line with a 2" high pressure stopcock into the 13-3/8" casing below the above equipment.

The inspection was completed at 1:00 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

NNS:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

85681 2-48 16,250 SPO

11

FORM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 1-46831

Los Angeles 15, Calif. May 26, 1949

Mr. C. G. Willis

Los Angeles 13, Calif.

Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

Dear Sir:

Your proposal to drill Well No. "Ferguson" 6,

Section 36, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County,

dated May 16, 1949, received May 19, 1949, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 3258 feet S. and 2189 feet E. from North corner of eastermost line of Lot 10, measured parallel and normal to said line.
Elevation of ground above sea level 1531 feet.
All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.
We estimate that the first productive oil or gas sand should be encountered at a depth of about 6900 feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
11-3/4"	53#	J-55	400'	Cemented
7"	23 and 26#	N-80	6900'	Cemented
5"	18#	J-55	6900'-7300'	Landed

Well is to be drilled with rotary tools.
It is understood that if changes in this plan become necessary we are to notify you before cementing or landing 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 pipe.
2. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
3. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.
4. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 1000'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

CLB:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By _____ Deputy

2402 1-49 36,500 SPO

Bond No. 201062

FORM 105
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

037-12608

Notice of Intention to Drill New Well 9

This notice must be given and surety bond filed before drilling begins

Los Angeles, Calif. May 16, 1949

DIVISION OF OIL AND GAS
1015 East Olympic Boulevard
Los Angeles 15, 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. "Ferguson" 6 Sec. 36, T. 4-N JLW R. 17-W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

Legal description of lease (See plat attached to Notice of Intention to Drill "Ferguson" 5)

The well is 3258 feet N. ~~or~~ S., and 2189 feet E. ~~or~~ W. from North corner of easternmost line of Lot 10, measured parallel and normal to said line.
(Give location in distance from section corners or other corners of legal subdivision)

Elevation of ground above sea level 1531 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 6900 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
11-3/4"	53 #	J-55	400'	Cemented
7"	23 and 26 #	N-80	6900'	Cemented
5"	18 #	J-55	6900'-7300'	Landed

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
184 JCW	JCW				

Well is to be drilled with rotary ~~xxxxxx~~ tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address 750 Subway Terminal Building
417 South Hill Street
Los Angeles 13, California

Telephone number MUtual 2156

GENERAL EXPLORATION COMPANY OF CALIFORNIA
(Name of Operator)

By C. G. Willis

C. G. Willis, President

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

approx. 1638' S 21[illegible]

13

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

May 14, 2001

Bradford A. DeWitt, Agent
MEDALLION CALIFORNIA PROPERTIES CO.
5400 Rosedale Highway
Bakersfield, CA 93308

Your report of the plugging and abandonment of well "Ferguson" 7-2,

A.P.I. No. (037-12609), Section 31, T. 4N, R. 16W, SBB. & M.,

Newhall Potrero field, Los Angeles County,

dated March 1, 2001, received March 26, 2001, 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 January 19, 2001.

2. Site inspection made and approved April 30, 2001.

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
(Signature of Deputy Supervisor)

Patrick J. Kinnear
(Typed Name of Deputy Supervisor)

tkc

OG159 (4/98)

OPERATOR Medallion Calif. Properties Co. A.P.I. 037-12609
WELL NO. "Ferguson" P2 SECTION 31, T. 4 N, R. 16 W
MAP

INTENTION	[illegible]					
NOTICE DATED	[illegible]					
P-REPORT NUMBER	[illegible]					
CHECKED BY/DATE	SM 1-18-01					
MAP LETTER DATED	1-20-01					
SYMBOL	✦					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	[illegible]											
HISTORY	3/26/01											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP.	4-30-01					
DRILL CARD						

RECORD'S COMPLETE BH

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

Operator **Medallion California Properties Co.** Field **Newhall-Potrero** County **Los Angeles**

Well **"Ferguson" 7-2** Sec. **31** . T **4N** . R **16W** , **S.B.** B. & M.

A.P.I. No. **037-12609** Name **Alex Iwasiw** (Person submitting report) Title **Agent** (President, Secretary or Agent)

March 1 , 20 **01**

Signature

26835 W. Pico Canyon Road Newhall, CA 91321 (Address) **(661) 254-2856** (Telephone Number)

History must be completed 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	
1-10-01	Inspect location and check wellhead for gas and leaks. Move rig and equipment. Move in, rig up. Dig out cellar to access casing valves. Guy out rig. Casing at 350 p.s.i. Bleed on well to 0 p.s.i. Secure rig and well.
1-12-01	Open well at 0 p.s.i. Unable to break tight and rusted head bolt nuts. Shut well in til 1-15-01. Secure rig and well.
1-15-01	Secure rig and equipment. Bleed on well to 0 p.s.i. Pump 100 barrels fresh water. Cut off tight well head nuts. Unland tree and nipple up class II B.O.P.E. Tally, pick up and run in hole with 2⅜" saw tooth coupling and 14 joints of 2⅜" tubing. Tally pick up and run in hole with 2⅞" tubing to 7,070' = 230 joints. Secure rig and well.
1-16-01	Open well at 0 p.s.i. Continue to tally, pick up and run in hole with 2⅞" tubing from 7,070' to 7,408'. Effective depth tubing at 7,403'. Fill with 228 barrels of water. Pump 50 barrels of water ahead. Mix and pump 72 ft³ of 50/50 poz with 35% silica flour and 4% gel. Estimate theoretical top of cement at 6,867'. Pull out of hole with tubing to 7,283'. Pull out of hole with tubing to 4,283'. Secure rig and well.
1-17-01	Open well at 0 p.s.i. Run in hole with 2⅞" tubing from 4,283' and tag top of cement at 6,912'. Fill casing with 4 barrels of water and pressure test to 500 p.s.i. for 5 minutes; OK. Tubing at 6,906'; pump 229 barrels (9.5 p.p.g.) Ann Andrele of D.O.G.G.R. witnessed and approved tag at top of cement at 6,912' and mud to 1,100'. Pull out of hole and lower down 160 joints of 2⅞" tubing. Secure rig and well.
1-18-01	Open well at 0 p.s.i. Continue to lay down 2⅞" and 2⅜" tubing. Rig up wireline. Run in hole with link jets to 1,104' and shoot 4-½" j.s.p.f. from 1,100' to 1,104'. Pull out of hole and rig down wireline. Run in hole with 2⅞" tubing and 1,104'. Establish injection rate at 400 p.s.i. at 3 barrels per minute. Tubing at 1,104'. Mix and pump 86 ft³ of 50/50 poz with 35% silica flour and 4% gel. Theoretical top of cement at 715'. Pull out of hole with tubing and fill casing = 4 barrels. Close CSO rams and down squeeze 9 barrels of water at 600 p.s.i. at 1 barrel per minute. New theoretical top of cement at 951'. Close casing valve and secure rig and well. Ann Andrele of D.O.G.G.R. witnessed and approved perfs @ 1,104' - 1,100' and placement of cement plug @ 1,100' and squeeze.
1-19-01	Open well at 0 p.s.i. Run in hole with 2⅞" tubing and tag top of cement at 930'. Lay down excess tubing and rig up wireline and run in hole with link jets, 4-½" squeeze holes from 100' to 104'. Pull out of hole and rig down wireline. Establish injection rate at 4 barrels per minute at 0 p.s.i. Mix and pump 70 ft³ class "G" neat cement with no cement returns in annuli. Mix 70 ft³ class "G" neat cement and down squeeze 15 ft³ to surface through annuli. Nipple down B.O.P.E. Clean hoses and rig down, move off. Ann Andrele of D.O.G.G.R. witnessed and approved cement tag @ 930', placement of mud and placement of surface plug. Clean location.
1-25-01	Dig out cement and casing.

(DG103)

RECEIVED 2:6 2001

1-26-01	Blast and dig out cement.
2-2-01	Cut off casing and load cement with loader.
2-9-01	Cement well and cut out plate and post. Ann Andrele of D.O.G.G.R. OK'd. Backfill and clean location. Complete site restoration.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. **T201-18**

Report on Operations

Bradford A. DeWitt, Agent
MEDALLION CALIFORNIA PROPERTIES COMPANY
5400 Rosedale Hwy.
Bakersfield, CA. 93308

Ventura, California
January 24, 2001

Your operations at well **"Ferguson" 7-2,** API No. **037-12609,** Sec. **31**, T. **4N**, R.**16W**, S.B.B.&M. **Newhall Potrero** Field, in **Los Angeles** County, were witnessed on **01-19-2001**. **Anneliese Anderle,** representative of the supervisor, was present from **0730** to **1200**. There were also present **Steve Cox.**

Present condition of well: **11 ¾" cem 448'; 7" cem 7069', cp @ 100' & 1100', wso perf @ 7050'; 5" ld 7025'-7408', perf 7025'-7408' TD 7409'. Plugged w/ cem 7403'-6912', 1100'-930' & 100'-5'.**

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

CBT

William F. Guerard, Jr.
State Oil and Gas Supervisor

By _____
Patrick J. Kinnear
Deputy Supervisor

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

4L T201-18

CEMENTING/PLUGGING MEMO

Operator MEDALLION CALIF. PROPERTIES, INC Well No. "FERGUSON" 7-2
API No. 037-12609 Sec. 31 T. 4N R. 16W, SB B&M
Field NEWHALL-POTRERO , County LOS ANGELES . On JAN 19, 2001,
Mr./ Ms. AURELIESE ANDERLE , representative of the supervisor, was present from 0730 to 1200 .

There were also present STEVE COX, CONTRACTOR'S REPRESENTATIVE

Casing record of well: 11 3/4" CEM 448'; 7" CEM 7069', CP @ 100' & 1100', WSO PERF @ 7050'; 5" LD 7025'-7408', PERF 7025'-7408' TD 7409'. PLUGGED W/CEM 7403'-6912', 1100'-930' & 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 @ _____ ' are approved.

Hole size: _____ " fr. _____ ' to _____ ', _____ " to _____ ' & _____ " to _____ '

Casing				Cemented			Top of Fill		Squeezed Away	Final Pressure	Perforations
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
7"	23#	0	7069	1-18-01	tbg 1100'	86 cf		930	50 cf	650	1100-1104

Casing/tubing recovered: 4 JTS/P Shot/cut at 1100', 1104', _____', Pulled fr. _____';
_____" Shot/cut at _____', _____', _____', Pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	bbls	Displaced	Poured	Fill	Engineer
9.5 PPG	1-17-01	229	6912' →			A Anderle
GOOD			1100'			
VISCOSITY	1-19-01	32	930' → 100'	✓		A Anderle

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engineer	Depth	Wt/Sample	Date & Time	Engineer
~	72 cf	tbg 7403'	—	RPT'd	6912'	10K wt	0730 1-19-01	A Anderle
1-18-01	86 cf	tbg 1100	1230-1300	Anderle	930	tbg wt	0730 1-19-01	A Anderle
~								
1-19-01	72 cf	Plug @ 100'	11:00-1130	Anderle	SURFACE	VISUAL	11:20 1-19-01	A Anderle

C/O TO 7408 ON 1-16-01

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P201-01

PERMIT TO CONDUCT WELL OPERATIONS

500 (field code)
00 (area code)
— (new pool code)
20 (old pool code)

Waterflood

Bradford DeWitt, Agent
Medallion California Properties Co.
5400 Rosedale Highway
Bakersfield, California 93308

Ventura, California
January 11, 2001

Your proposal to plug and abandon well "Ferguson" 7-2,
A.P.I. No. 037-12609 Sec. 31, T. 4N, R. 16W, SB B.&M.,
Newhall-Potrero field, ---------- area, 3rd pool
Los Angeles County, dated 1/3/01 received 1/3/01 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 II2M requirements shall be installed and maintained in operating conditions 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 7408'.
4. All portions of the well not plugged with cement are filled with an inert mud fluid having a minium density of 72 lbs./cu. ft. and a minimum gel-shear strength of 25 lbs./100 sq. ft.
5. Well site restoration is completed within 60 days following the plugging and abandonment of the well.
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 6925'.
   b. To witness the mudding of the well.
   c. To witness the location and hardness of the cement plug at 1000'.
   d. To witness the placing of the surface plug in the 13-3/8" and in the 7" x 13-3/8" annuli.
   e. To inspect and approve the cleanup of the well site before approval of the abandonment will be issued.

Blanket Bond
SAF:saf

Engineer Steven A. Fields

Phone (805) 654-4761

WILLIAM F. GUERARD, JR., State Oil and Gas Supervisor

By _____
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.

P208-01

S 30/20-3

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
	100,000	✓	✓

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

S In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to

abandon well Ferguson No. 7 - 2, API No. 04-037-12609,

Sec. 31 T. 4N R. 16W, S. B. B. & M., Newhall Potrero Field, Los Angeles County,

commencing work on January 5, 20 01.

The present condition of the well is:

1. Total Depth **See Attached Program**
2. Complete casing record, including plugs and perforations (present hole)

See Attached Program

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 or dry hole (show depths):

5. Oil or gas shows
6. Stratigraphic markers
7. Formation and age at total depth
8. Base of freshwater sands _____

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:

SEE ATTACHED PROGRAM

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 26835W. Pico Canyon Road (Street)
Newhall, CA 91321 (City) (State) (Zip)

Telephone Number (661) 254 - 2856 (Area Code) (Number)

Medallion California Properties (Name of Operator)

By Alex Iwasiw (Print Name)

A. Iwasiw 1-02-01 (Signature) (Date)

January 3, 2001

Medallion California Properties, Inc.
Well: Ferguson No. 7
API No.: 037-12609
Sec 31, T 4N, R 17W
Abandonment Program
Field: Newhall Potrero

Background

The well was drilled and completed in the 5th zone in 1950. The well was produced from 1950 to about 1958 by flowing or gas lift. From 1958 to about 1969 the well was produced using a down hole rod pump. The well was used as an a water injection well from at least 1969 to 1975. The well has not been used as an injection well for at approximately 10 years. The well has been idle at lease that long.

Medallion California Properties now proposes to abandon this well.

Mechanical Condition

T.D.: 7,409'

Casing:	**11-3/4", 47# csg**	0' - 448', cmt'd w/ 280 sax
	7", 23# csg	0' – 7,069', cmt'd w/ 450 sax
	5", 17# lnr	7,025'- 7,408', hung

W.S.O.: 4 ½" holes at 7,050'

Effective Perforations: 7,088'-7,408' ¼" holes x 3C x 10R

Fish: None

Elev: All depths refer to K.B. measurements, 10' above the mat

Work Program

1. MIRU service rig, install BOPE, pickup 2-3/8" and 2-7/8" tubing, RIH to 7,408' ±.
2. Rig up cementers. Mix and pump sufficient volume of 50/50 Pozmix cement to fill from 6,925' ± to 7,408'±. POOH with tubing.
3. Contact CDOGGR to witness hardness and location of plug.
4. Mud well with 72# clay base abandonment mud from 6,925' ± to 1,100' ±. Mudding to be witnessed and approved by CDOGGR.

5. Open well, RIH with cavity shot or perforating jets to 1,100'± and detonate.

6. MIRU coiled tubing rig, RIH with tubing to 1,100'±.

7. Rig up cementers. Mix, pump and squeeze (if necessary) sufficient voluume of 50/50 Pozmix cement to fill from 1,100' ± to 950'±, both inside and outside the 7" casing.

8. DOGGR to witness location and hardness of plug.

9. Mud well with 72# clay base abandonment mud from 950' ± to 100' ±. Mudding to be witnessed and approved by CDOGGR.

10. Rig up wireline, RIH with perforating jets to 100' ±, detonate.

11. RIH with coil tubing and circulate Class "G" cement surface from 100' ± to surface. POOH with coiled tubing. Close well in and nipple up to wellhead. Begin pumping Class "G" cement through the perforations at 100' and into the 7" x 11-3/4" casing annulus. Continue cement pumping until clean cement returns are achieved at surface.

12. Clean surface location, cut off casing five feet below ground level and weld on steel plate. CDOGGR to witness plug prior to welding steel plate. CDOGGR to make inspection of surface after the surface restoration work is complete.

ABI

MEDALLION CALIFORNIA PROPERTIES, INC.
26835 W. Pico Canyon Road
Newhall, CA 91321
(661) 254-2856
Fax (661) 254-8542

January 3, 2000

To: Steve Fields; CDOGGR

From: Alex Iwasiw

Attached is the CDOGGR Notice and proposed abandonment program for the following wells:

Ferguson No. 4
Ferguson No.7

CC: Dean Kaster; KCS Medallion
Brad DeWitt; Petro-Tech

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY Mobil WELL NO. Ferguson 7-2

API NO. 037-12609 SEC. 31, T. 4N, R. 16W, SB B.&M.

COUNTY LA FIELD Newhall-Potrero

RBDMS DATA ENTERED: 10/8/99 (DATE) UPDATED 1-19-01

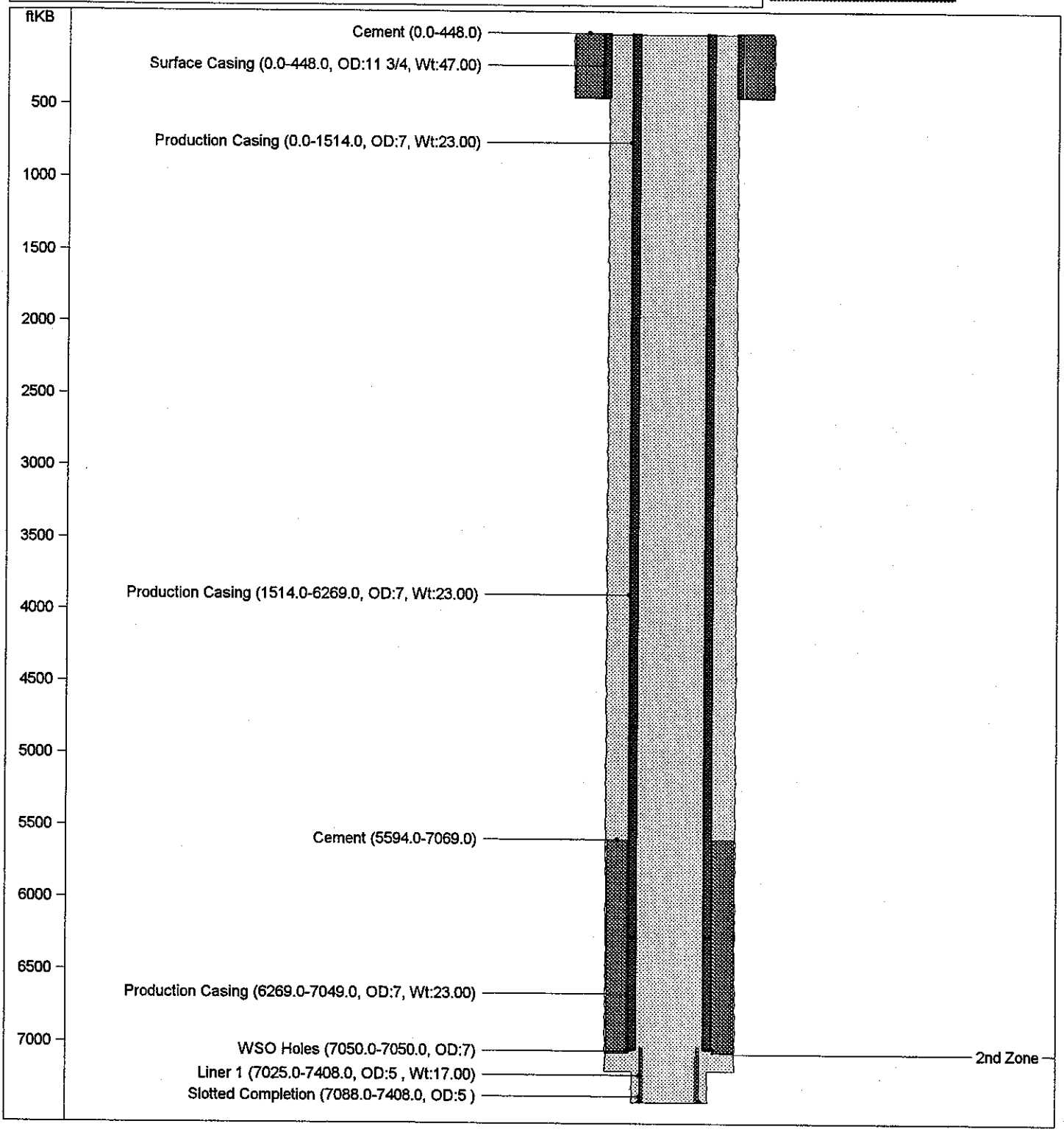
BY: SAT (NAME) A Andrade

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

WELL CONSTRUCTION DATA ONLY

04037126090000	
Well Name	Ferguson 7-2
Operator	MEDALLION CALIF PRPTS CO
Field Name	NEWHALL-POTRERO
TD	7409.0 ftKB
PBTD	7409.0 ftKB
Approval Date	16-Feb-50
Spud Date	18-Feb-50
TD Date	19-Apr-50
Production Date	22-Apr-50
Injection Date	21-Jul-69
P/A Date	

Division of Oil & Gas Conservation



10/8/99

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

September 15, 1997

Bradford A. DeWitt, Agent
MEDALLION CALIFORNIA PROPERTIES CO.
1100 Mohawk St., Ste. 154
Bakersfield, CA 93309-0465

Dear Mr. DeWitt,

This is to inform you that your well, "Ferguson" 7-2 has been entered into the Division's Production Reporting (EDP) System. Pertinent information for the well follows:

API Number: 037-12609
Field: Newhall-Potrero (500)
Area: Any (00)
Pool: 3rd (20)
Well Type: WF
Effective Date: August 1, 1997

Please ensure that this well is added to your production reports that are submitted to our Sacramento office.

Sincerely,

Steven A. Fields
Operations Engineer

FLUID LEVEL SURVEYS

Field: Newhall-Potrero
Inspector: Bruce H. Hesson
Date: August 23, 1991

WELL		Pressure	FLUID LEVEL (fbgl)
"Fergeson"	2	12	6541
"	4	230	4898
"	6	30	7595
"	7	175	7440
"	9	(Well is buried - to be tested later)	
"RSF"	24	15	5456
"	25	vac.	6076
"	31	40	5301
"	36	20	5332
"	47	vac.	4991
"	50	1	4898
"	51	4	3534
"	52	vac.	3503
"	124	17	4681
"	132	15	4371

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF PROPERTY AND WELL TRANSFER

Field or county		District
Newhall-Potrero		2 Ventura
Former owner	**Operator code**	**Date**
Tidelands Oil Production Company	T2975	11-1-92

Name and location of well(s)

All wells previously owned by Tidelands Oil Production Company, in Sec. 25, 26, 27, 31, 35, 36, T. 4N, R. 17W SBB&M.

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Operator code	Type of organization
11-1-92	DKM Offshore Energy, Inc.	D0230	Corporation
	Address: 1100 Louisiana, Ste.4550, Houston, Texas 77002		Telephone No.: (713) 739-0312

Reported by
DKM Offshore Energy, Inc.

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**

Deputy Supervisor	Signature
Patrick J. Kinnear	Patrick J. Kinnear PJK/1

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121	TKC		Map and book 252+253	PC	1-30-99
Form OGD140			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files	TKC	
Electric logs	TKC		Computer Files		
Production reports	TKC				

OGD156 (5/98)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF PROPERTY AND WELL TRANSFER

Field or county: Newhall-Potrero		District: 2 Ventura
Former owner: DKM Offshore Energy, Inc.	Operator code: D0230	Date: 10-1-94

Name and location of well(s)

All wells previously owned by DKM Energy, Inc.
in Sec. 25, 26, 27, 31, 35, 36, T. 4N, R. 17W SBB&M.

Except:
"Rancho San Francisco" 152 (037-12654)

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Operator code	Type of organization
10-1-94	Medallion California Properties Company	M4805	Corporation
	Address: 1400 Easton Dr., #133, Bakersfield, CA. 93309		Telephone No.: (805) 395-3029

Reported by: Medallion California Properties Company

Confirmed by: DKM Offshore Energy

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	Remarks

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121	TKC		Map and book 252 + 253	PC	1-3099
Form OGD140			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files	TKC	
Electric logs	TKC		Computer Files		
Production reports	TKC				

OGD156 (5/98)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-1	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sec. 31, T. 4N., R. 16W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner / Address	Type of organization / Telephone No.
1/1/82	Sun Exploration & Production Co. P.O. Box 55060 Valcenia, Ca. 91355	Company (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

F. E. KASLINE

May 11, 1970

WATER-FLOOD PROJECT
Sun Oil Co.
Newhall-Potrero Field
1-2-3 Pool
Second Zone

Inglewood

We have been informed by Sun Oil Company that water-flood operations in the Second zone, 1-2-3 pool, Newhall-Potrero field, have been terminated as of April 1970.

The status of water flood wells No. "Ferguson" 7-2 (037-12609) and "Ferguson" 9-2 (037-12611), Sec. 31, T. 4 N., R. 16 W., S.B.B.&M., has changed to idle water flood wells. These wells will be deleted from Table 5 of our Summary of Operations.

John F. Matthews, Jr.
Deputy Supervisor

ADS:es

cc - Production Dept.
A. D. Stockton

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.)_____ _____

History (dup.) Not Required _____

E-log_____ _____

Radio log_____ _____

D. Survey_____ _____

Other Spinner Hist ✓ _____

(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_____

Surface inspection_____

Data needed Summary-Hist Clerk:

Request records No F 170___

Correct records_____ F 165___
(Specify) 165A__

CARDS_____

BOND: Not Required

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___

Form 19-A

Company Sun Oil Co. Field IN - F Well [redacted] F-1-2 Zone

SURVEY DATA

RUN NO.	1	2	3	4	5	6
Type Survey	R/A Sp					
Date	7/21/69					
Time	9:00 A.M.					
Inj. Rate	1360 B/D					
Inj. Press.	2500 psi					
Pick-up	7393'					
Service Co.	TRIANGLE					

INJECTED FLUID - B/D

SAND	1	2	3	4	5	6

INJECTION - %

Measurement Datum

0 10 20 30 40 50 60 70 80 90 100

7000

7100

7200

7300

7400

Temp.

120°

124°

Remarks R/A indicates W.S.O., pkr. & shoe O.K.

FORM 109-D

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 169-747

Mr. J. R. Hinkle, Agent
SUN OIL COMPANY - DX DIVISION
23928 Lyons Avenue
~~Agent for~~ Newhall, California 91321

Inglewood, Calif.
July 28, 1969

DEAR SIR:

Operations at well No. (037-12609) "Ferguson" 7-2, Sec. 31, T. 4 N, R. 16 W, S.B. B & M. Newhall-Potrero Field, in Los Angeles County, were witnessed on July 21, 1969. Mr. R. Rothermel, Engineer, representative of the supervisor was present from 9:00 a.m. to 3:15 p.m. There were also present S. Wagner, Engineer & J. Toops, Foreman

Present condition of well: 11-3/4" cem. 448'; 7" cem. 7069', perf. 7050', WSO; 5" ld. 7025'-7408', perf. 7088'-7408'. TD 7409'.

The operations were performed for the purpose of demonstrating that all of the injection fluid is confined to formations below 7088'.

Mr. Wagner reported: that injection water was being pumped into the well under 2500 Psi at a rate of 1360 barrels per day.

THE ENGINEER NOTED THAT an analysis of the spinner, temperature and radioactive tracer surveys indicated that no upward movement of fluid occurred behind casing above 7088'.

THE OPERATION AS WITNESSED AND REPORTED IS APPROVED indicating that all injection fluid is confined to formations below 7088' at this time.

RR:nw

cc Company

F. E. KASLINE
State Oil and Gas Supervisor

By John T. Matthews Jr. Deputy
GAS

21022-705 5-68 15M ② OSP

FORM 111

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 169-792

WATER FLOOD

Mr. J. R. Hinkle, Agent
SUN OIL COMPANY - DX DIVISION
23928 Lyons Avenue
Newhall, California 91321

Inglewood, Calif.
July 17, 1969

DEAR SIR:

Your proposal to convert to water flood Well No. "Ferguson" 7-2 (037-12609), Section 31, T. 4 N., R. 16 W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County, dated 7/8/69, received 7/15/69, has been examined in conjunction with records filed in this office. ~~[illegible]~~

With reference to your notice our decision is as follows:

DECISION
THE PROPOSAL IS APPROVED PROVIDED:

1. **THIS DIVISION SHALL BE NOTIFIED TO WITNESS the running of a temperature, spinner and/or radioactive survey to confirm that the injection water is confined to the intended zone of 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 to be 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.**
5. **Within 30 days after injection is started, this Division shall be furnished with sufficient data to confirm that the injected fluid is confined to the intended zone of injection.**
6. **Sufficient records shall be kept to establish that no damage is occurring because of excessive injection pressure. Such records shall be open to inspection by personnel of this Division.**

NOTE:

1. **The base of the fresh water sands is at 1170' and 4000'. The fresh water is protected by 11-3/4" casing cemented at 448' with sufficient cement to fill to the surface, and by the 7" casing cemented at 7069' with sufficient cement to fill to 5594'.**
2. **The water to be injected tests about 4890 ppm sodium chloride, and is water produced from neighboring wells.**
3. **The strata into which water is to be injected contain a mixture of oil and salt water. The salt water tests approx. 7210 ppm sodium chloride.**
4. **Approx. Surface Location of Well: 1185' N., 115' E. fr. SW cor. Sec. 31.**

ADS:nw

cc Sacramento (3)
Company
Co. Ind. Waste Div.

Blanket Bond

F. E. KASLINE, State Oil and Gas Supervisor

By John T. Matthew Jr., Deputy

20411-705 4-68 20M △ OSP

F. E. Kasline

July 17, 1969

WATER-FLOOD PROJECT
Sun Oil Co. - DX Div.
Newhall-Potrero Field
1-2-3 Pool - 2nd Zone

Inglewood

We are enclosing three copies of report No. P169-792, dated July 17, 1969, issued in answer to a proposal by Sun Oil Company - DX Division to convert to water flood well No. "Ferguson" 7-2 (037-12609), Sec. 31, T. 4 N., R. 16 W., S.B.B.& M., Newhall-Potrero field.

The base of the fresh water sands is at 1170 and 4000 feet. The fresh water is protected by 11 3/4-inch casing cemented at 448 feet with sufficient cement to fill the annular space behind this casing to the surface, and by 7-inch casing cemented at 7069 feet with sufficient cement to fill the annular space behind this casing to 5594 feet.

This is a continuation of the water-flood project originally approved in our letter dated March 24, 1969.

John F. Mattler, Jr.

Deputy Supervisor

ADS:nw

cc W. F. Huey
Production Department

Enclosures

FORM 157

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

830 N. La Brea Ave.
Inglewood, California

July 15, 1969

Mr. John R. Hinkle, Agent
SUN OIL CO. - DX DIV.
23928 Lyons Avenue
Agent for Newhall, Calif. 91321

DEAR SIR:

Your ~~request dated~~ Notice dated July 8, 1969, relative to change in designation of well(s) in Sec. 31, T. 4 N., R. 16 W., S.B. B. & M., Newhall-Potrero field, Los Angeles County, District No. 1, has been received;

and in accordance with Section 3203, Public Resources Code, reading in part as follows:

> "* * * The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor."

the proposed change in designation is hereby authorized as follows:

Well No. "Ferguson" 7 will hereafter be known as well No. "Ferguson" 7-2 (037-12609).

Corrections Made as Follows:	By Whom
Form 114	
" 115 ✓	
" 121	
" 148	
Cards ✓	ec
Production Records ✓	ec
Well Records (Folders	
(Reports	
Field Maps 150 ✓	
Map Book 7-18-69 ✓	

ag
cc: F. E. Kasline
Prod. Dept.
Conservation Committee

F. E. KASLINE
~~E. R. MURRAY AARON~~
State Oil and Gas Supervisor

By _____
Deputy Supervisor

△ SPO

RECEIVED
JUL 11 1969
DIVISION OF OIL & GAS
TAFT, CALIF.

PRODUCTION DEPARTMENT
M. C. WELCH
District Manager

SUN OIL COMPANY DX DIVISION
23928 LYONS AVENUE, NEWHALL, CALIFORNIA 91321

July 8, 1969

JUL 11 1969

Division of Oil and Gas
Resources Agency of California
Department of Conservation
830 North La Brea Avenue
Inglewood, California 90302

DIVISION OF OIL AND GAS
RECEIVED
JUL 15 1969
INGLEWOOD, CALIFORNIA

Attn: Mr. J. F. Matthews

Dear Sir:

"Ferguson #7" will hereafter be designated as "Ferguson #7-2", as indicated on the attached notice of conversion to water injection. Please amend your records to show the change.

Very truly yours,

J. R. Hinkle
District Engineer

JRH/JSW/pam

cc

Attachment

FORM 107

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given before work begins; one copy only

Newhall Calif. July 8, 1969

DIVISION OF OIL AND GAS

RECEIVED
JUL 11 1969

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. Ferguson #7-2
(Cross out unnecessary words)

, Sec. 31, T. 4N, R. 16W, S.B. & M.

Newhall - Potrero Field, Los Angeles County.

The present condition of the well is as follows:

RECEIVED

1. Total depth.

7409' TD

2. Complete casing record, including plugs:

11 3/4" 47#, J-55 csg cmt'd w/shoe @ 448' w/280 sx
7" 23#, J-55 & N-80 csg. cmt'd w/shoe @ 7069' w/450 sx
4 - 1/2" Holes @ 7050 - W.S.O.
5" 17#, J-55 csg. as production liner w/shoe @ 7408' and top of Burns liner hanger @ 7025'. Liner perf'd w/ 1/4" RH, 3" centers 10 rows 7408'-7088'.
16 1/2" Hole to 448'
10 5/8" Hole to 7190'
6 1/8" Hole to 7409' TD.

3. Last produced. June, 1969 (Date) 2 (Oil, B/D) 0 (Water, B/D) 7 MCF/D (Gas Mcf/D)

The proposed work is as follows:

1. Pull rods and tubing
2. Bail hole clean to 7409' TD, and scrape 7" casing to 7025'.
3. Run 2 7/8" injection tubing and set Baker Model "R" packer at 6975'.
4. Displace 1100 gals. of a mixture of high aromatic solvent and a carrier solvent into the zone prior to commencement of injection.
5. Place well on water and polymer injection.

Contact Mr. Wm. Flood

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
		ARG		ARG	ARG

23928 Lyons Ave. Newhall, Calif. 91321
(Address)

805 259-2440
(Telephone No.)

SUN OIL COMPANY - DX DIVISION
(Name of Operator)

By J. R. Hinkle, District Engineer

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

81988-705 10-66 15M OSP

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: **Newhall-Potrero** District: **1**

Former Owner: **General Exploration Co. of Calif.** Date: **March 3, 1965**

Description of Property: **Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.**
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:

"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: **January 1, 1965**
New Owner: **SUNRAY DX OIL COMPANY**
Address: **23928 Lyons Ave., Newhall, Calif.**

Telephone No. **259-2440**

Type of Organization: **Corporation**
Reported by: **General Exploration Co. of Calif. on Dec. 1964 Production Report**
Confirmed by: **Sunray DX Oil Co. in letter dated 3-1-65**
New Operator New Status **PA** , Old Operator New Status **PA**
Request designation of agent **No**

Remarks:

cc **E. R. Murray-Aaron**
Production Dept.
Conservation Comm.

Wm. C. Bailey
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-63 5M ② SPO

GENERAL EXPLORATION COMPANY
OF CALIFORNIA
417 SOUTH HILL STREET
LOS ANGELES 13, CALIFORNIA
MUtual 2156

DIVISION OF OIL AND GAS
RECEIVED
MAY 25 1950
LOS ANGELES, CALIFORNIA

May 24, 1950

Division of Oil and Gas
1015 West Olympic Boulevard
Los Angeles (15), California

Gentlemen:

Enclosed are the following reports on our "Ferguson" #7 well in the Newhall-Potrero field:

2 copies - Well Summary,
2 copies - History,
2 copies - Core Descriptions, and
2 copies - Schlumberger.

According to our records all necessary reports have now been sent in. Will you, therefore, kindly release us from bond at your earliest convenience.

Yours very truly,

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

R. S. Ballantyne, Jr.

GS

FORM 100.
CALIFORNIA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE

FILL [redacted] BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF P[redacted] ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
MAY 25 1950
LOS ANGELES, CALIFORNIA

WELL SUMMARY REPORT

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 7 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Location (3507' Southerly and 2719' Easterly (from North corner of easternmost line (of Lot 10, measured parallel and normal (to said line.

Elevation above sea level 1656' feet.

All depth measurements taken from top of Kelly bushing, which is 12 feet above ground.

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 5/23/50

Signed R. S. Ballantyne, Jr.

R. S. Ballantyne, Jr. (Engineer or Geologist) C. C. Winslow (Superintendent)

Title Engineer.

Commenced drilling 2/18/50 Completed drilling 4/19/50 Drilling tools Rotary

Total depth 7409' Plugged depth ---

Junk none

GEOLOGICAL MARKERS	DEPTH
Top second zone	7075'

Commenced producing 4/22/50 (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	420	33.1	0.5	450 (estimated)	130#-160#	---
Production after 30 days	180	33.4	0.1	350	80#-100#	

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 Drilled	Number of Sacks of Cement	Depth of Cement if through perforat
11-3/4"	448'	0'	47#	New	Seamless	J-55	16-1/2"	280	
	(7069'	6289'	23#	New	Seamless	N-80)			
~~7"~~	~~(6289'~~	~~1514'~~	~~23#~~	~~New~~	~~Seamless~~	~~J-55)~~	~~10-5/8"~~	~~450~~	
	(1514'	0'	23#	New	Seamless	N-80)			
5"	7408'	7025'	17#	New	Seamless	J-55	10-5/8" &	6-1/8"	Landed

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	7408 ft.	7088 ft.	1/4" round	10	3"	Machine
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 488' - 7408' (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 AND GAS
RECEIVED
MAY 25 1950
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" 7, Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Signed R. S. Ballantyne, Jr.

Date 5/23/50 Title Engineer.

(President, Secretary or Agent)

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	
1950	
/18-20	Spudded and drilled 10-5/8" hole from surface to 451'.
/20	Opened 10-5/8" hole to 16-1/2" from surface to 448'. Ran 11-3/4", 47#, J-55 casing to 448' and cemented with 280 sacks of construction cement. Cement returned to the surface.
/21-4/5	Drilled 10-5/8" hole from 451' to 7190'. The interval from 7177' to 7190' was cored.
/5-7	Stuck drill pipe on bottom (7190'), spotted 100 bbl. of oil in two 50 bbl. lots, pulled loose, and conditioned hole.
/7	Ran Schlumberger electric log from 448' to 7171'.
/8	Ran 7", 23#, J-55 and N-80 casing to 7069' and cemented with 450 sacks of construction cement. Displaced cement with 1567 cu. ft. of drilling fluid (1553 cu. ft. estimated) when plugs hit and displacement pressure built up to 650# from 550#. 3 cu. ft. returned when pressure was bled off--- float valve held. Casing grades from bottom to top are as follows: N-80 from 7069' to 6289', J-55 from 6289' to 1514', N-80 from 1514' to surface.
/11	Found top of set cement at 7017' and drilled cement out to 7058'. Ran McCullough combination gun-tester on 3-1/2" drill pipe with 1000' of fresh water cushion. Shot four 1/2" holes at 7050'. Set tester at 7026' with tailpiece at 7034'. Opened valve at 2:18 P.M. Tester open 4 hours and 42 minutes during which time there was a weak heading blow for 90 minutes and a strong gas blow thereafter. When the drill pipe was removed, a net rise of 1000' of very light, frothy, gas-cut oily drilling fluid was recovered. Pressure chart was all right. Water Shut-Off was approved by Division of Oil and Gas.
/12	Drilled cement out from 7058' to shoe of 7" casing at 7069' and cleaned out to 7190'. Changed over from an oil emulsion to oil base drilling fluid.
/13-19	Drilled 6-1/8" hole from 7190' to 7409'. The following intervals were cored: 7209'-7225'; 7250'-7251'; 7279'-7294'; 7344'-7354'; and 7386'-7409'.
/13-14	Ran 10-5/8" wall scraper over the interval from 7075' to 7190'.
/19	Ran Schlumberger electric log from 7069' to 7408'. Ran total of 383' (including Burns liner hanger) of 5", 17#, j-55 liner on 3-1/2" drill pipe. Landed liner at 7408' with top of hanger at 7025'. Liner perforated from 7088' to 7408' with 1/4" round holes on 3 centers in 10 rows.

FORM 103
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR General Exploration Company of California FIELD Newhall-Potrero

Well No. "Ferguson" 7, Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Signed R. S. Ballantyne, Jr.

Title Engineer.
(President, Secretary or Agent)

Date 5/23/50

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	
1950 4/20-21	Ran Olympic production packer (30" stroke) on 2-1/2" tubing (224 joints) with 2-1/2" x 2" swage nipple tail. Set packer at 6975' (6987' K.B.) with bottom of packer at 6984'. Opened dump in packer and circulated oil base mud out with oil and closed dump.
4/21-22	Swabbed well from 10:00 A.M. 4/21 to 1:00 A.M. 4/22 when well started to flow. Flowed at daily rate of 576 bbl. for first 6-1/2 hours on 32/64" bean.
4/22-23	Production for the 24 hours starting from 7:30 A.M. 4/22 was 420 bbl. net, 33.1°, 0.5%, estimated 450 M.C.F., 130#-160#/0#.

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FORM 10J
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
MAY 25 1950
LOS ANGELES, CALIFORNIA

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator General Exploration Company of California Field Newhall

Well No. "Ferguson" 7 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					HUGHES 10-5/8" CONVENTIONAL CORE BARREL
7177'	7190'	4.0'		4.0'	CORE #1 Oil sand, firm easily friable, fine well-sorted, light slightly grayish-brown good light oil odor, light amber cut, good uniform light yellow gold fluorescence throughout. Several veinlets of impermeable material with purple fluorescence scattered in core denoting incipient fractures.
		4.0'			
					HUGHES 6-1/8" CONVENTIONAL CORE BARREL
					Note: Oil base mud used hereafter which completely marks sand fluorescence except where otherwise noted.
7209'	7225'	5.9'		11.0'	CORE #2 Oil sand, firm friable, fine poorly sorted with scattered coarse sand grains grading downward to fine and medium-fine matrix slightly to quite conglomeratic. Several nearly vertical fractures and three at 65° plus or minus, no apparent displacemen
		2.7'			Shell, hard, massive, well cemented, conglomeratic, with pebbles up to 1/2" and occasional 3/4". Several scattered shale inclusions.
		.9'			Oil, conglomeratic, firm, friable, fine matri with 1/8" - 3/4" pebbles scattered through out.
		1.5'			Shell, very hard, broken into 1" - 4" fragments in coring, several indications of high angle fracturing.
		11.0'			
7250'	7251'	.4'		0.4'	CORE #3 Shell, very hard, gray, well-cemented conglomerate, with fine matrix and pebbles up to 3/4".
		.4'			

FORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 7 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
7279'	7294'	7.4'		12.2'	CORE #4 Oil sand, firm friable, fine poorly sorted with scattered coarse sand grains down to fine matrix strongly conglomeratic (1/8" - 1/4") pebbles). Appears to have an 1/8" to 1/4" oil base penetration ring, center of core fluorescences light yellow-gold with purplish cast increasing downwards wi increase of grain size and mineral fluor-escence. Shale inclusions are at 1.2', 1.3', 2.0' and show some laminations whicl in the latter case dip 29°. 50°, 60°, and 50° fractures at 5.5', 6.5' and 7.1', re-spectively.
		---			1/4" shale parting.
		2.1'			Oil sand, firm friable, medium-fine, poorly sorted with bottom 6" grading with slight. ly conglomeratic coarse appearing fluor-escence as above. Several scattered 1/4" x 1-1/2" shale inclusions from 0.4' - 0.6' Three 45° fractures at 0.2', 1.1', and 1.!
		.2'			Laminae shale and fine shelly sand, shale hard grayish-brown, sand whitish-light gray. Dips 22°-26°. Several bedding slickensides. One 57° shear with strike 43° counter-clockwise from strike of bedding and whose dip is opposed to dip o bedding.
		.5'			Oil sand, firm friable, fine poorly sorted. One 42° fracture in middle.
		---			1/2" laminae shale and sand streak dipping 28°.
		2.0'			Oil sand as first described in this core. Four 48°- 55° fractures. Two small shale inclusions near middle.
		12.2'			
7344'	7354'	.4'		7.9'	CORE #5 Shale and oil sand, both extending full length and meeting on an irregular nearly vertical surface-- contact sedimentary. Contact with oil sand below marked by 45° fracture showing vertical slickensides.

FORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 7 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #5 Cont'd.
		1.1'			Oil sand, firm and very fine friable medium-fine poorly sorted finely conglomeratic down to medium-fine matrix coarsely conglomeratic, pebbles range up to 1/2". One 40° fracture in middle.
		.7'			Shell, very hard, medium-fine, light gray, well cemented with few scattered 1/4" - 3/4" shale inclusions.
		1.9'			Oil sand, very firm friable, medium fine poorly sorted with some scattered coarse sand grains and few small shale inclusions. One 35° fracture at 0.4'.
		1.1'			Shell, medium coarse, light gray, well cemented.
		.4'			Shale, hard, gray, with very fine sand streaks irregularly bedded giving a suggestion of 20°-33° dip, cross-bedded.
		.4'			Oil sand, firm friable, medium-fine finely conglomerate with streak of shale inclusions near top giving appearance of 23°-28° dip.
		.3'			Shale as above, fairly good 34°- 38° dip on sand inclusions.
		1.4'			Shell, as last above, becoming conglomerate in bottom 6". One 25° fracture at 0.9'.
		.2'			Shale as above, 32° dip.
		7.9'			
					CORE #6
7386'	7399'	13.0'		13.0'	Siltstone, hard, massive, dark gray and gray brown with numerous thin fine sand streaks and inclusions and several 1" - 3" very irregularly bedded streaks and inclusions of shelly sand. Dips from top to bottom as follows: 25°, 23°, 32°, 40° (parallel to fractures), 23°, 18°, 28°, 33°, 24°, 32°, 25°, 25°, 30°, 28°, 24°, 22°, 31°, 29°, 33 24°, 30°, and 26°. Variations in dip due to irregularity of bedding of sand inclusions and streaks as well as drag associated with shearing. There is no cleavag evident. Average dip is 28°. Three sets

FORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator General Exploration Company of California Field Newhall-Potrero

Well No. "Ferguson" 7 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #6 Cont'd. of shears are present. The predominant two strike 45° clockwise and 45° counter-clockwise from the strike of the bedding and the dips of which are opposed to the dip of the bedding. Low angle and nearly horizontal slickensides are present. About 15 shears of this type are evident throughout core and their dips range from 53° to 62°. The remaining set of shears strikes parallel to bedding and dips in direction of bedding at higher angle with vertical slickensides, three shears evident dipping 50°- 55°.
		13.0'			
7399'	7409'	7.6'		7.9'	CORE #7 Siltstone as in core above. This siltstone not so badly fractured as that in core above. Only 2 or 3 shears of first two types mentioned above and 6 to 8 bedding slickensided surface and third type shears. Bedding dips as follows: 25°, 30°, 28°, 32°, 28°, 27°, 17°, 37°, 23°, 28°, and 24° average 27°. Polar orientation samples at 7399.5', 7400', 7402.5', 7405' and 7406.5' One 2" oil sand streak at 5.3'.
		.3'			Shell, sandstone very hard, medium-fine somewhat pebbly near bottom, light gray well cemented. Bottom contact dips 45° on slickensided surface and secondary calcite, vertical slickensides.
		7.9'			

- - 0 - -

FORM 109-A

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-51053

Los Angeles 15, Calif. April 20, 1950

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your well No. "Ferguson" 7, Sec. 31, T. 4 N., R. 16 W., S. B. B & M. Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on April 11, 1950. Mr. N. N. Sampson, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present R. S. Ballantyne, Jr., Engineer; R. L. Brewer, Drilling Foreman.

Shut-off data: 7 in. 23 lb. casing was cemented xxxx at 7069 ft. on April 8, 1950 in 10-5/8 in. hole with 450 sacks of cement xxxx of which 9 sacks was left in casing.

Casing record of well: 11-3/4" cem. 448'; 7" cem. 7069'; four 1/2" test holes 7050', W.S.O.

Present depth 7190 ft. Bridged with cement from 7069 ft. to 7058 ft. Cleaned out to 7058 ft. for test. A pressure of xxx lb. was applied to the inside of casing for xxx min. without loss after cleaning out to xxx ft. A McCullough gun and tester was run into the hole on 3-1/2 in. drill pipe ~~tubing~~ with 1000 ft. of water-~~mud~~ cushion, and packer set at 7026 ft. with tailpiece to 7034 ft. Tester valve, with two 5/16 in. bean, was opened at 2:18 p.m. and remained open for 4 hr. and 42 min. During this interval there was a weak, heading blow for 90 min., and a strong, gas-blow for the remainder of the test.

THE INSPECTOR ARRIVED AT THE WELL AT 7:00 P. M. AND MR. BALLANTYNE REPORTED:

1. A 10-5/8" rotary hole was drilled from 448' to 7190'.
2. Electrical core readings showed the top of the 2nd zone at 7075'.
3. The 7" casing was cemented as noted above.
4. Cement was drilled out of the 7" casing from 7017' to 7058' (equivalent to 7 sacks), and the casing was cleaned out to 7058'.
5. The 7" casing was shot-perforated with four 1/2" holes at 7050' for this test.

THE INSPECTOR NOTED:

1. When the drill pipe was removed, 1000' of very light, frothy, gas-cut, oily drilling fluid was found in the drill pipe above the tester, equivalent to 7.4 bbl.
2. The recording pressure bomb chart showed that the tester valve was open 4 hr. and 42 min.
3. There was no evidence of free water.

The test was completed at 11:05 p.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 7050' IS APPROVED.

NNS:OH

cc- Company

R. D. BUSH, State Oil and Gas Supervisor

By E. A. Munson, Deputy

50092 5-48 12,500 ② SPO

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-50869

Los Angeles 15, Calif. March 8, 19 50

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

121

DEAR SIR:

Operations at your well No. "Ferguson" 7 Sec. 31, T. 4 N., R. 16 W., S. B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by Paul Betts, Inspector, representative of the supervisor, on February 28, 19 50. There was also present R. L. Brewer, Drilling Foreman; L. S. Coffee, Driller.

Casing Record 11-3/4" cem. 448'. T. D. 2950'. | Junk xxxxx

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 3:00 p.m. and Mr. Brewer reported:

1. A 16-1/2" rotary hole was drilled from the surface to 451'.
2. On February 20, 1950, 11-3/4", 47 lb. casing was cemented at 448' with 280 sacks of cement.
3. Cement returned to the surface.
4. A 10-5/8" rotary hole was drilled from 451' to 2950'.

THE INSPECTOR NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer control gate for closing in the well with the drill pipe out of the hole.
2. A Shaffer blowout preventer for closing around the 4-1/2" drill pipe.
3. The controls for the above equipment were located outside the derrick.
4. A 2" mud fill-up line with a 2" high pressure Nordstrom valve into the 11-3/4" casing below the above equipment.

The inspection was completed at 3:15 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

PWB:OH

cc- Company

B/W

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

16330 10-49 17,500 ② SPO

FORM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 1-47869

Los Angeles 15, Calif. February 16, 1950

Mr. C. G. Willis

Los Angeles 13, Calif.

Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your proposal to drill Well No. "Ferguson" 7, Section 31, T. 4 N., R. 16 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County, dated Feb. 9, 1950, received Feb. 14, 1950, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 3507 feet S. and 2719 feet E. from North corner of easternmost line of Lot 10, measured parallel and normal to said line.
Elevation of ground above sea level 1656 feet.
All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.
We estimate that the first productive oil or gas sand should be encountered at a depth of about 7250 feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
11-3/4"	47	J-55	450	Cemented
7"	23	J-55 and N-80	7,250	Cemented
			(7,250	
5"	18	J-55	(7,600	Landed

Well is to be drilled with rotary tools.
It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT

1. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
2. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 1000'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

ABH:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Meiners Deputy

Bond No. 203183

2402 1-49 36,500 SPO

12

FORM 105.
CALIFORNIA STATE PRINTING OFFICE

037-12609

DIVISION OF OIL AND GAS
RECEIVED
FEB 1 [illegible]
LOS ANGELES, CALIFORNIA

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. February 9, 1950

DIVISION OF OIL AND GAS
1015 West Olympic Boulevard
Los Angeles (15), Calif.

alt. location:
Ft SW cor 1200N 320E

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. "Ferguson" 7, Sec. 31, T. 4-N P.W.B., R. 16-W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

Legal description of lease See plat attached to Notice of Intention to Drill "Ferguson" #5.

The well is 3507 feet ~~N. of~~ S., and 2719 feet E. ~~of W.~~ from (North corner of easternmost line of Lot 10, measured parallel and normal to said line.
(Give location in distance from section corners or other corners of legal subdivision)

Elevation of ground above sea level 1656 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 7250 feet.

(1890' S'ly along W line Ferguson lease from N.W. Cor lease 2719 E'ly at rt angles)

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
11-3/4"	47	J-55	450	Cemented
7"	23	J-55 and N-80	7,250	Cemented
5"	18	J-55	(7,250 (7,600	Landed

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A	P.W.B.	EB			EB

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 750 Subway Terminal Building
417 South Hill Street
Los Angeles, (13) California

Telephone number MU-2166

GENERAL EXPLORATION COMPANY OF CALIFORNIA
(Name of Operator)

By R. S. Ballantyne, Jr.
R. S. Ballantyne, Engineer

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

GENERAL EXPLORATION COMPANY
OF CALIFORNIA
417 SOUTH HILL STREET
LOS ANGELES 13, CALIFORNIA
MUtual 2156

DIVISION OF OIL AND GAS
RECEIVED
FEB 1 [illegible]
LOS ANGELES, CALIFORNIA

February 9, 1950

Division of Oil and Gas
1015 West Olympic Boulevard
Los Angeles (15), California

Gentlemen:

Enclosed is Notice of Intention to Drill New Well, together with Drilling Bond, covering our "Ferguson" #7 well located in Section 31, Township 4-N., Range 16-W., S.B.B.& M., in the Newhall-Potrero field, Los Angeles County, California.

Yours very truly,

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

R S Ballantyne, Jr

GS

R. S. Ballantyne, Engineer

Encl - Notice
Bond.

E R
CORPORATI

COMPAN MEDALLION CALIFORNIA PROPERTIES CO.

FIELD: NEWHALL - POTRERO

WELL: FERGUSON NO. 7

SEC. (36) T. 4 N R. (17) W

COUNTY: LOS ANGELES STATE: CALIF.

ELEV.: 037-12609

DIVISION OF
RECE
MAY 2
LOS ANGELES,
12

MEDALLION CALIFORNIA PROPERTIES CO.
"Ferguson" 7-2
Sec. 31-4N-16W NEWHALL-POTRERO

9 R

RUN	1	2	3	4	
Date	4-7-50	4-19-50			
Csg. shoe	448	7066			
Total depth	7172	7409			
Depth rchd.	7171	7408			
Ft. Meas.	6723	237			
Mud Nat.	Aqua Gel	Gel - Oil			
Dens	80	85			
Visc.	47	70			
Res.	5.2 @ 70°F	Unavailable			
Max. Temp.	140°F	148°F			
Meas. from	Kelly Bush.	Kelly Bush.			
Tension	3200#	——			
Rig. Time	2 1/2 hrs.	2 1/2 hrs.			
Mileage	115	115			
Observer	GCHepburn	JRSeverns			
Witnessed by:		RSBallantyne			

DIAMETER OF HOLE

10 5/8" - 7190' 6 1/8" - 7409'
11 3/4" csg. - 448' 7" csg. - 7069'

REMARKS

Standard Resistivity - AM ; 17"
Standard Lateral - OA ; 10'

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF PROPERTY AND WELL TRANSFER

Field or county		District
Newhall-Potrero		2 Ventura
Former owner	**Operator code**	**Date**
DKM Offshore Energy, Inc.	D0230	10-1-94

Name and location of well(s)

All wells previously owned by DKM Energy, Inc.
in Sec. 25, 26, 27, 31, 35, 36, T. 4N, R. 17W SBB&M.

Except:
"Rancho San Francisco" 152 (037-12654)

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Operator code	Type of organization
10-1-94	Medallion California Properties Company	M4805	Corporation
	Address 1400 Easton Dr., #133 Bakersfield, CA. 93309		**Telephone No.** (805) 395-3029

Reported by
Medallion California Properties Company

Confirmed by
DKM Offshore Energy

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**

Deputy Supervisor
Patrick J. Kinnear

Signature
Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121	TKC		Map and book 252 + 253 PC		1-3099
Form OGD140			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files	TKC	
Electric logs	TKC		Computer Files		
Production reports	TKC				

OGD156 (5/98)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF PROPERTY AND WELL TRANSFER

Field or county		District
Newhall-Potrero		2 Ventura
Former owner	**Operator code**	**Date**
Tidelands Oil Production Company	T2975	11-1-92

Name and location of well(s)

All wells previously owned by Tidelands Oil Production Company, in Sec. 25, 26, 27, 31, 35, 36, T. 4N, R. 17W SBB&M.

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Operator code	Type of organization
11-1-92	DKM Offshore Energy, Inc.	D0230	Corporation
	Address: 1100 Louisiana, Ste.4550, Houston, Texas 77002		Telephone No.: (713) 739-0312

Reported by
DKM Offshore Energy, Inc.

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**

Deputy Supervisor	Signature
Patrick J. Kinnear	Patrick J. Kinnear/PJK/1

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121	TKC		Map and book 25&253	PC	1-30-99
Form OGD140			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files	TKC	
Electric logs	TKC		Computer Files		
Production reports	TKC				

OGD156 (5/98)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-1	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by: Oryx Energy Company

Confirmed by: Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sec. 31, T. 4N., R. 16W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address: P.O. Box 55060, Valcenia, Ca. 91355	Telephone No. (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

13

FORM 105 (2-49)
CALIFORNIA STATE PRINTING OFFICE

037-12610

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JUL 20 1950
LOS ANGELES, CALIFORNIA

Notice of Intention to Drill New Well

This notice must be given and surety bond filed before drilling begins

Los Angeles, Calif. July 20, 1950

DIVISION OF OIL AND GAS
1015 West Olympic Boulevard
Los Angeles (15) Calif.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A	P.W.B.				

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. "Ferguson" 8, Sec. 31, T. 4-N, R. 16-W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

(See plat attached to Notice of Intention to Drill "Ferguson" 5).

Legal description of lease

The well is 3694 feet ~~N~~ S., and 3327 feet E. ~~of W.~~ from (N. corner of easternmost line of Lot 10, measured parallel and normal to said line.
(Give location in distance from section corners or other corners of legal subdivision)

Elevation of ground above sea level 1666 feet.

All depth measurements taken from top of Kelly bushings, which is 11 feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 7200 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
11-3/4"	47	J-55 Seamless	450'	Cemented
7"	23	Seamless J-55 and N-80	7200'	Cemented
5"	17	J-55 Seamless	7200' to 7600'	Landed

1000' N/ly 790' E/ly fr S.W. Cor Sec 31 4N-16W Measured parallel & perpendicular to Section lines

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address 750 Subway Terminal Building
417 South Hill Street
Los Angeles (13), California

Telephone number MU-2156

GENERAL EXPLORATION COMPANY OF CALIFORNIA
(Name of Operator)

By R. S. Ballantyne, Jr.
R. S. Ballantyne, Jr., Engineer.

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

FORM 111.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-48584

Los Angeles 15, Calif. July 27, 1950

MR. C. G. Willis

Long Beach 13, Calif.

Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your proposal to drill Well No. "Ferguson" 8,

Section 31, T4 N., R.16 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County,

dated July 20, 1950, received July 24, 1950 has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 3694 feet S. and 3327 feet E. from (N. corner of eastermost line of Lot (10, measured parallel and normal to said line.

Elevation of ground above sea level 1666 feet.
All depth measurements taken from top of Kelly bushings, which is 11 feet above ground.
We estimate that the first productive oil or gas sand should be encountered at a depth of about 7200 feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
11-3/4"	47	J-55 Seamless	450'	Cemented
7"	23	(Seamless (J-55 and N-80	7200'	Cemented
5"	17	J-55 Seamless	(7200' to (7600'	Landed

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT

1. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
2. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.
3. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 1000'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

CLB:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

Bond No. 204442

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-51562

Los Angeles 15, Calif. August 8, 1950

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

121

DEAR SIR:

Operations at your well No. "Ferguson" 8 Sec. 31, T. 4 N., R. 16 W., S. B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by J. F. Foster, Inspector, representative of the supervisor, on August 1, 1950. There was also present R. A. Lewis, Drilling Foreman; W. C. Crossen, Driller.

Casing Record 11-3/4" cem. 471'. T. D. 2400'. | Junk None

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 1:40 p.m. and Mr. Lewis reported:

1. A 16-1/2" rotary hole was drilled from the surface to 471'.
2. On July 25, 1950, 11-3/4", 47 lb. casing was cemented at 471' with 300 sacks of cement.
3. A 10-5/8" rotary hole was drilled from 471' to 2400'.

THE INSPECTOR NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 2" mud fill-up line with a 2" high pressure Nordstrom stopcock into the 11-3/4" casing below the above equipment.

The inspection was completed at 1:55 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

JFF:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Nusser Deputy

16330 10-49 17,500 SPO

FORM 109-A (10-48)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-51776

Los Angeles 15, Calif. September 25, 1950

Mr. C. C. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your well No. "Ferguson" 8, Sec. 31, T. 4 N., R. 16 W., S. B. B & M. Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on September 15, 1950. Mr. J. L. White, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present R. S. Ballantyne, Jr., Engineer; H. D. Mann, Driller.

Shut-off data: 7 in. 23 & 26 lb. casing was cemented xxxx at 7169 ft. on September 11, 1950 in 10-5/8 in. hole with 475 sacks of cement xxxx of which 9 sacks was left in casing.

Casing record of well: 11-3/4" cem. 471'; 7" cem. 7169'; four 1/2" test holes 7140', W.S.O.

Present depth 7194 ft. Bridged with cement from 7169 ft. to 7159 ft. Cleaned out to 7159 ft. for test. A pressure of xxx lb. was applied to the inside of casing for xxx min. without loss after cleaning out to xxx ft. A Johnston gun and tester was run into the hole on 3-1/2 in. drill pipe-~~tubing~~ with 1000 ft. of water-~~mud~~ cushion, and packer set at 7114 ft. with tailpiece to 7131 ft. Tester valve, with 3/8 in. bean, was opened at 6:05 p.m. and remained open for 1 hr. and xxx min. During this interval there was a light, steady, decreasing blow for 2 min., and no blow thereafter.

THE INSPECTOR ARRIVED AT THE WELL AT 8:45 P. M. AND MR. BALLANTYNE REPORTED:

1. A 10-5/8" rotary hole was drilled from 471' to 7194'.
2. Electrical core readings showed the top of the 2nd zone at 7160'.
3. Cement was drilled out of the 7" casing from 7122' to 7159' (equivalent to 7 sacks), and the casing was cleaned out to 7159'.
4. The 7" casing was shot-perforated with four 1/2" holes at 7140'.
5. A Johnston tester was run as noted above.

THE INSPECTOR NOTED:

1. When the drill pipe was removed, 10' (net) of thin drilling fluid was found in the drill pipe above the tester, equivalent to 0.1 bbl.
2. The recording pressure bomb chart showed that the tester valve was open 1 hr.

The test was completed at 9:45 p.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 7140' IS APPROVED.

JLW:OH

cc- Company

R. D. BUSH, State Oil and Gas Supervisor

By [signature], Deputy

M 100.
ALIFORNIA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 8 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Location (3694' Southerly and 3327' Easterly (from corner of Easternmost line of Lot 10 (of Lot 10, measured parallel and (normal to said line.

Elevation above sea level 1666 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

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 October 26, 1950

Signed R. S. Ballantyne, Jr.

R. S. Ballantyne, Jr. (Engineer or Geologist) C. C. Winslow (Superintendent)

Title Engineer.

Commenced drilling 7/23/50 Completed drilling 9/21/50 Drilling tools Rotary

Total depth 7459' Plugged depth

Junk

GEOLOGICAL MARKERS	DEPTH
Top second zone	7163'

Commenced producing 9/26/50 (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	778	33.8°	0.3%	640	100# - 110#	0#
Production after 30 days	230	"	"	650	190# - 270#	

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 Drilled	Number of Sacks of Cement	Depth of Cementing if through perforation
11-3/4"	471'	0'	47#	New	Seamless	J-55	16-1/2"	300	
	(911'	0'	23#	New	Seamless	N-80)			
	(5677'	911'	23#	New	Seamless	J-55)	10-5/8"	475	
7"	(6822'	5677'	23#	New	Seamless	N-80)			
	(7169'	6822'	26#	New	Seamless	N-80)			
5"	7451'	7136'	18#	New	Seamless	J-55	6-1/8"	Landed	

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	7451 ft.	7359 ft.	100-mesh, 2" slots	6	6	Machine
5"	7359 ft.	7171 ft.	1/4" round holes	10	3	Machine
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths 477' to 7459' (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

History of Oil or Gas Well

GENERAL EXPLORATION COMPANY
OPERATOR OF CALIFORNIA FIELD Newhall-Potrero

Well No. "Ferguson" 8, Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Signed R. S. Ballantyne Jr.
R. S. Ballantyne, Jr.,
Engineer.

Date 10/2/50 Title

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.

1950 Date	
7/23-24	Spudded and drilled 17-1/2" hole to 45' and 12" hole to 465'.
7/24	Opened 12" hole to 16-1/2" from 45' to 465' and drilled 16-1/2" hole to 473'.
7/25	Ran 11-3/4", 47#, J-55 casing to 471' and cemented with 300 sacks of cement.
7/26-9/10	Drilled 10-5/8" hole from 473' to 7189'. The intervals from 7074' to 7119' and 7139' to 7189' were cored.
8/23	Ran schlumberger electric log from 477' to 5556'.
8/27	Ran schlumberger electric log from 5556' to 5955'.
9/1	Ran schlumberger electric log from 5955' to 6522'.
9/10	Ran schlumberger electric log from 6522' to 7189'.
9/11	Ran 7", 23#, N-80 and J-55, and 26# N-80 casing to 7169' and cemented with 475 sacks of construction cement. Depths of 7" casing by weight and grade follows: 0' to 911', 23#, N-80; 911' to 5677', 23# J-55; 5677' to 6822', 23# N-80; and 6822' to 7169', 26#, N-80.
9/14-15	Found top of hard cement at 7122' and drilled cement out to 7159'.
9/15	Perforated four 1/2" holes at 7140' with Byron-Jackson jet. Ran Johnston formation tester on 3-1/2" drill pipe with 1000' of water cushion. Set packer at 7114' with tailpiece at 7131'. Valve open for one hour from 6:05 P.M. to 7:05 P.M. During this interval there was a light steady blow decreasing to dead in two minutes— dead thereafter. There was a net rise of 10' of light drilling fluid. Pressure charts O.K. Water Shut-off approved by Division of Oil and Gas.
9/16	Cleaned out cement to shoe at 7159' and cleaned out to 7189'. Changed over from clay base to 100% oil base drilling fluid.
9/16-21	Drilled 6-1/8" hole from 7189' to 7459'. The interval from 7439' to 7459' was cored.
9/22	Ran schlumberger electric log from 7189' to 7459'. Fired 192 Byron-Jackson open hole charges on one foot centers between the intervals 7175' to 7290' and 7298' to 7375'.
9/23	Ran 6-1/8" bit and cleaned out to 7459'. Ran 315' (including liner hanger) of 5", 18# J-55 liner on 3-1/2" drill pipe and landed at 7451' with top of hanger at 7136'. The liner was perforated from 7171' to 7451' as follows: 7171' to 7359' with 1/4" round holes in 10 rows on 3" centers and 7359' to 7451' with 100-mesh x 2" slots in 6 rows on 6" centers.
9/23-25	Laid down 3-1/2" drill pipe. Dropped 31 joints drill pipe, to bottom. Picked up drill pipe, screwed onto fish, recovered same. Laid down drill pipe.
9/25	Ran Olympic production packer (30" stroke) on 2-1/2" tubing (228 joints— 7064' plus 1 slick joint— 22') with 2-1/2" x 2" swage nipple tail. Set packer at 7087' (7098' K.B.) with tail at 7092' (7103' K.B.). Opened dump in packer and circulated oil base mud out with oil and closed dump.
9/26	Swabbed well. Started flowing at 3:15 P.M.
9/27	First 16 hours flowed at rate of 778 B/D net, 33.8°, 0.3%, 640 MCF, 100#-110#/0#.

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FORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 8 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
7074'	7101'			17.6'	CORE #1
		15.0'			Siltstone, hard, dark slightly brownish-gray with one occasional irregularly bedded fine sand laminae and inclusions (locally numerous). Suggestion of dip from top to bottom as follows: 38°, 34°, 38°, 30°, 29°, 29°, 32°, 34°, 28°, 28°, 41°, 41°, 32°, 30°, 32° 36°, or an average of 33°.
		.7'			Shell, laminae sandstone and siltstone, banded light gray and brown, contains several irregular inclusions. Dips 37°-42°.
		.7'			Siltstone as above.
		.2'			Shell as above. 40° dip, irregularly bedded.
		1.0'			Siltstone as above. 38° dip.
		17.6'			
7101'	7119'				CORE #2
					No recovery.
7139'	7169'			20.6'	CORE #3
		4.5'			Siltstone, hard massive, grayish-brown, with fine light gray sand inclusions and irregular streaks. Average dip is 40° with dips ranging from 32°-45°. Strongly crushed, broken, and fractured in 1/4" to 3" pieces (mostly 1/4" to 1/2") from 1.6' to 2.4'. Bottom 1.0' also strongly fractured top half more so than bottom half, mainly on roughly parallel fractures and averaging 25°-30° dip 90° counterclockwise from dip of strata (to NW if strata dips NE), some surfaces slickensided on angles from horizontal to vertical.
		10.5'			Siltstone, hard, massive, dark grayish-brown with occasional fine light sand streaks and inclusions. Dips as follows: 29°, 30°, 42° 36°, 39°, 37°, 38°, and 29°. In top 1.0' are four 40° fractures dipping 135° counterclockwise from dip of strata (to W. if strata dips NE), no slickensiding, probably joint pattern. Same pattern present in

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CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
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DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 8 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #3 - Cont'd.
					five 30°- 35° fractures from 8.7' to 9.8', also another similar pair of 25°-30° fractures in bottom .4'.
		.2'			Shell, laminae sandstone with silt streaks, dips 35°.
		.1'			Siltstone.
		.3'			Shell, siltstone, hard, dirty sandy appearin with large siltstone inclusions.
		.2'			Shale, hard dark brown, almost siltstone, dips 40°.
		.7'			Shell, sandstone, hard, fine, light gray with bandings of white and light brown laminated streaks, good 40° dip.
		1.8'			Shale as above with irregular shelly sand laminae and inclusions in top 0.8' and bottom 0.4' platy and contains laminae whi shelly sand, dips 38° at top. Bottom 0.5' somewhat crushed with yellow gold fluoresecing free oil on some fracture surfaces.
		1.0'			Shell, sandstone, very hard, fine matrix somewhat pebbly, light gray.
		1.3'			Oil sand, firm, fine matrix with numerous 1/16"-1/8" sand grains giving sand a coars appearance, light slightly brown-gray, goc light oil odor, light amber cut, good ligh yellow gold fluorescence. Bottom half bad ly burnt in coring and contains a limy con cretion 3"x5" from 0.7' to 0.9' (in catche which plugged core head and caused burning several 1" siltstone inclusions below abov mentioned concretion.
		20.6'			
7169'	7189'			2.0'	CORE #4
		1.5'			Conglomerate, oil sand, igneous pebbles and cobbles 1" to 5" all blown out and scatter ed indiscriminately upon removal from core barrel. Oil sand occurs in few 1" - 2" pieces which are very firm and firm-hard, friable and barely friable, fine matrix slightly pebbly, light slightly brown-gray with good light oil odor, light amber cut and golden yellow fluorescence.
		.5'			Shell, sandstone, very hard, fine light gray limy with bottom 0.1' containing fairly

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CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 8 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #4 - Cont'd.
					well cemented conglomerate with several 1/2" - 2" igneous pebbles and oil sand as described above.
		2.0'			
7439'	7459' (T.D.)			21.8'	CORE #5
		21.8'			Siltstone, hard, massive, gray-brown with thin fine sand streaks throughout and several 1" sandstone shell streaks in bottom half of core. Shears as follows: at 2.1' one 30° shear with vertical slickensside dipping opposite to strata and one 60° shear dipping 45° clockwise from strat from 8.1' to 9.8' extend three 60°-52° shears and one 85° shear all dipping 90° to 135° clockwise from strata; at 15.7' one 50° shear with dip opposed to strata; from 17.5' to 19.0' 58°, 40°, 15°, 40°, 85°, and 38° shears top down with dips mostly opposed to strata; and at 21.5' one 72° shear. Dips from top to bottom follow (average dip per tray): 25°, 25°, 27°, 23° 26°, 28°, 25°, and 25°.
		21.8'			

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FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: **Newhall-Potrero** District: **1**

Former Owner: **General Exploration Co. of Calif.** Date: **March 3, 1965**

Description of Property: **Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.**
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:

"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: **January 1, 1965**
New Owner: **SUNRAY DX OIL COMPANY**
Address: **23928 Lyons Ave., Newhall, Calif.**

Telephone No. **259-2440**

Type of Organization: **Corporation**
Reported by: **General Exploration Co. of Calif. on Dec. 1964 Production Report**
Confirmed by: **Sunray DX Oil Co. in letter dated 3-1-65**
New Operator New Status **PA** , Old Operator New Status **PA**
Request designation of agent **No**

Remarks:

cc **E. R. Murray-Aaron**
Production Dept.
Conservation Comm.

Wm. C. Bailey
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79164 1-63 SM © SPO

E R
PORATION

COMPANY: MEDALLION CALIFORNIA PROPERTIES CO.

FIELD: NEWHALL-POTRERO

WELL: FERGUSON" (NO. 8

SEC. 31 T. 4N R. 16W

COUNTY LOS ANGELES STATE: CALIF.

ELEV.: 037-12610 13

"Ferguson" 8
Sec. 31-4N-16W NEWHALL-POTRERO

MEDALLION CALIFORNIA PROPERTIES CO.

RUN	1	2	3	4	5
Date	8-23-50	8-27-50	9-1-50	9-10-50	9-22-50
Csg. shoe	476	476	476	476	7169
Total depth	5555	5954	6516	7194	7462
Depth rchd.	5554	5953	6515	7193	7461
Ft. Meas.	5078	399	562	678	268
Mud Nat.	Aquagel	Clay Base	Gel-Pyro-Queb	Clay Base	Jel Oil
Dens	84	85	85	33	65
Visc.	56	50	55	45	90 - 110
Res.	3.2 @ 82°F.	3.5 @ 86°F.	4.4 @ 73 °F.	3.8 @ 92°F.	———
Max. Temp.	134°F.	140°F.	138°F.	131°F.	178°F.
Meas. from	Kelly Bush.	Kelly Bush.	Kelly Bush.	Kelly Bush.	Kelly Bush.
Tension	———	———	———	———	———
Rig. Time	3 hrs.	2 hrs.	1 1/2 hrs.	2 hrs.	1 hr.
Mileage	———	———	———	———	———
Observer	JRSeverns	SCHepburn	JRSeverns	SCHepburn	SECoombs

Witnessed by: Mr. Ballantine R. S. Ballantine

DIAMETER OF HOLE

11 3/4" - 477' 10 5/8" - 7169'

7" - 7169' 6 1/8" - 7460'

REMARKS

Standard Resistivity - A.M. : 16" ———

CONSTRUCTION SITE WELL INSPECTION

District Ref. No. _____

Field: Newhall-Potrero City/County Los Angeles County Sec. 31 T. 4N R. 16W SBB.&M.

Location (major cross streets): Pico Canyon Road in Dead Horse Canyon

Development representative: Greg Millikan Phone: (805) 383-0064

Describe the exact location of the excavation or well at the building site (from a reference point on a Division Map):
GPS location: Lat. 34.382276782 N, Long. 118.602943906 W, Alt. (MSL) 439.769 M.

How the location was determined: Measured ☐ Surveyed ☐ Other ☒

Describe: Surface marker (2" riser) on wellhead, excavated.

Well designation: "Ferguson" 9-2 , API No. 037-12611

Operator: Medallion California Properties

SAFETY PRECAUTIONS AND UNSAFE EXCAVATIONS

CAUTION! Oil and gas wells may produce hydrogen sulfide gas, which is highly poisonous and will accumulate and concentrate in low areas such as excavations. Before entering an excavation area, test to ensure that there is sufficient oxygen and that the flammable/toxic gas readings are within safe limits.

INSPECTIONS	1	Initials Date	2	Initials Date	3	Initials Date	4	Initials Date
Excavation size	12'X18' 5' deep	SPM 5-25-2000						
Picture No.	1							
Picture direction	W							
Metal detector (Y/N)	N							
Visible casing size(s) (or comment)	11 3/4"							
Fluid leaks (Y/N)*	N							
Amount (est.)	—							
Gas leaks (Y/N)*	N							
Amount (est.)	---							
Gas detector (N/Y)	Y							
Bubble test (Y/N)	Y							

*Leak location(s): None

Describe hazardous or damaged well condition(s): None

Report finalized by: Steve Mulqueen Date: 5-25-2000

OG190A (12/97/GSR1/1M)

OPERATOR Medallion CA. Properties Co. A.P.I. 037- 12611

WELL NO. "Ferguson" 9-2 SECTION 31, T. 4 N, R. 16 W

MAP 252

INTENTION	Abandon					
NOTICE DATED	8-11-97					
P-REPORT NUMBER	297-286					
CHECKED BY/DATE						
MAP LETTER DATED	2-7-98					
SYMBOL	✱					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	8-14-97											
HISTORY	1-23-98											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS						
OPERATOR'S NAME						
WELL NO.						
LOC & ELEV						
SIGNATURE						
SURFACE INSP. RC	2-4-98					
DRILL CARD						

RECORD'S COMPLETE 1-30-98

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, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY Medallion WELL NO. Ferguson 9-2

API NO. 037-12611 SEC. 31, T. 4N, R. 16W, SB B.&M.

COUNTY LA FIELD Newhall-Potrero

UP DATED
10-9-97

RBDMS DATA ENTERED: 8/15/97 (DATE)

BY: SPF (NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

WELL CONSTRUCTION DATA ONLY

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL PLUGGING AND ABANDONMENT

Ventura, California

March 18, 1998

Bradford A. DeWitt, Agent
MEDALLION CALIFORNIA PROPERTIES
1100 Mohawk St., Ste. 154
Bakersfield, CA 93309

Your report of the plugging and abandonment of well "Ferguson" 9-2,

A.P.I. No. 037-12611, Section 31, T. 4N, R. 16W, SB B.& M.,

Newhall Potrero field, Los Angeles County,

dated January 9, 1998, received January 23, 1998, 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

tkc

cc: Update

Modified OG159 (4/94)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

HISTORY OF OIL OR GAS WELL

Operator Medallion California Properties Co. Field Newhall-Potrero County Los Angeles

Well "Ferguson" 9 Sec. 31, T 4N, R 16W, S. B. B. & M.

A.P.I. No. 037-12611 Name Claude D. Fiddler (Person submitting report) Title Engineer (President, Secretary, Agent)

Date January 9, 1998

Signature Claude D. Fiddler

5400 Rosedale Highway, Bakersfield, CA 93308 (Address)

805/635-0465 (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	
1997	
9/29	MIRU coil tubing unit (CTU). RIH, tagged down at 6954 ft. Steve Fields, DOGGR, approved plugging from 6954 ft. Mixed and pumped 104 sxs (119 ft^3) of Class "G" cmt 6954 ft to 6420 ft, pulled tubing to 5090 ft and sqz'd 39 ft^3 cement away. Squeeze witnessed by Paul Cronmiller, DOGGR. SIWFN.
9/30	Lower CT and tag top of cmt at 6637 ft (est 48 ft^3 of cmt into liner). Pumped 213 bbls 9.6 ppg mud into well from 6637 ft to 1150 ft. Mud placement witnessed by Paul Cronmiller, DOGGR. POOH w/CT. RIH and made cavity shot at 1150 ft. RIH w/CT to 1150 ft. Pumped 57.6 sxs (66 ft^3) of Class "G" cmt. Laid plug 1150 ft to 850 ft. POOH. RDMO.
10/1	RIH. Shot eight 1/2" holes in 7" casing at 100 ft. RU CTU. RIH, tagged plug at 838 ft. Pumped 29 bbls 9.6 ppg mud, filled well from 838 ft to 100 ft. RD CTU. Pumped 53 sxs (61 ft^3) of Class "G" cmt down 7" casing, had returns to surface in 7"x11-3/4" annulus and 7" casing. Work witnessed by Paul Cronmiller, DOGGR.
11/20	Completed abandonment, welded on cap and marker. Cleared well location.

RECEIVED
JAN 23 1998
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T297-292

Report on Operations

Bradford A. DeWitt, Agent
MEDALLION CA. PROPERTIES
1100 Mohawk St. Suite 154
Bakersfield, CA 93309

Ventura, California
October 22, 1997

Your operations at well "Ferguson" 9-2, API No. 037-12611,
Sec. 31, T. 4N, R. 16W, S.B. B.&M. Newhall - Potrero Field, in Los Angeles County,
were witnessed on 10-1-97. Mr. Paul Cronmiller, representative of
the supervisor, was present from 1530 to 1600. There were also present
Mr. Von Fortenberry, Company Representative
Present condition of well: 11 3/4" cem 455', 7" cem 6980,' wso perf @ 6960', perf @ 100', cav shot @ 1150'; 5" ld 6954' - 7265', perf 6987' - 7265'. TD 7266'. Plugged w/ cem 6952'-6637', 1150' - 838' & 100' - 5'.

The operations were performed for the purpose of abandonment.

DECISION: The plugging operations as witnessed and reported are approved.

cr

William F. Guerard, Jr.
State Oil and Gas Supervisor

By
Patrick J. Kinnear
Deputy Supervisor

OG109 (Modified 1993)

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
Cementing/Plugging Memo

T 2912

Operator MEDALLION CALIFORNIA PROPERTIES INC Well No. "FERGUSON" 9-2
API No. 037-12611 Sec. 31, T. 4N, R. 16W, SB B&M
Field NEWHAL-POTRERO, County LOS ANGELES. On OCTOBER 1, 1997,
Mr./Ms. PAUL CROMMELIN, representative of the supervisor, was present from 1530 to 1600.
There were also present MR. VON FORTEN BERRY

Casing record of well: ~~20" CEM 14'~~, 11 3/4" CEM 455'; 7" CEM 6980', WSO PERF @ 6960', PERF @ 100', CAV SHOT @ 1150'; 5" LD 6954'-7265', PERF 6987'-7265', TD 7266'.

The operations were performed for the purpose of ABANDONMENT
PLUGGED W/ CEM 6952'-6637', 1150'-838' & 100'-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			
				9-29-97	ctu	6952	119	?	6637'	41 cf	1250	6987'-7265'

Casing/tubing recovered: CAV " shot/cut at 1150', _____', _____' pulled fr._____';
PERF " shot/cut at 100', w/ 8 JSPF, _____' pulled fr._____'.

Junk (in hole):

Hole fluid (bailed to) at_____'. Witnessed by_____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
9.5 PPG	9-30-97	213	6637'		1150'	PC
9.5 PPG	10-1-97	29	838'	→	100'	

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
9-29-97	119 cf	ctu @ 6952'	1400-1600	PC	6637	ctu wt	9-30-97 @ 0700	PC
9-30-97	66 cf	ctu @ 1150'	-	REP	838'	ctu wt	10-1-97 @ 1337	PC
10-1-97	61 cf	circ @ 100'	1500-1600	PC	SURF	RETURNS	10-1-97 1600	PC

c/o TAG @ 6954'

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P297-286

PERMIT TO CONDUCT WELL OPERATIONS

(field code)
--
(area code)
--
(new pool code
--
(old pool code)

WATERFLOOD

Bradford A. DeWitt, Agent
Medallion Calif. Properties
1100 Mohawk St. Suite 154
Bakersfield, CA 93309-7416

Ventura, California
August 25, 1997

Your proposal to abandon well "Ferguson" 9-2,
A.P.I. No. 037-12611, Section 31, T. 4N, R. 16W, S.B. B.&M.,
Newhall-Potrero field, ---------- area, ---------- pool,
Los Angeles County, dated 8/11/97, received 8/14/97, 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 7,265'.
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 plug at 6,854'.
   b. To witness the mudding of the well.
   c. To witness the location and hardness of the cement plug at 1050'.
   d. To witness the placing of the surface plug and the 7" x 11-3/4" annulus and to verify its location.
   e. To inspect and approve the cleanup of the well site with 60 days after well has been plugged and abandoned.

Blanket Bond
SAF:sf

Engineer Steven A. Fields

Phone (805) 654-4761

William E. 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
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
✓	✓	✓	✓

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 "Ferguson" #9-2, API No. 037-12611, Sec. 31 T. 4N, R. 16W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County, commencing work on September 1, 19 97.

WF

The present condition of the well is:

1. Total depth 7,266 FT
2. Complete casing record, including plugs and perforations (present hole)

Please see below.

3. Last produced _____ (Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)

(or)

4. Last injected Third zone injector prior to 10/92 (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 freshwater sands

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:

Please see attached **Proposed Abandonment Program.**

RECEIVED
AUG 14 1997
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Complete Casing Record (see No. 2 above):
11-3/4" 47# J-55 casing cmtd @ 455 FT.
7" 23# & 26# J-55 & N-80 casing cmtd @ 6,980 FT; 4-1/2" WSO holes @ 6,960 FT.
5" 18# J-55 liner hung 7,265 FT; top @ 6,954 FT; perf'd with forty 1/4" round holes per foot 6,987 FT - 7,265 FT.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 1100 Mohawk Street, Suite 154 (Street)
Bakersfield, CA 93309 (City) (State) (Zip)
Telephone Number ( ) 805/635-0465 (Area Code) (Number)

Medallion California Properties Co. (Name of Operator)
By Claude D. Fiddler (Print Name)
Claude D. Fiddler 8-11-97 (Signature) (Date)

OG108 (1/95/GSR1/5M) Printed on recycled paper.

PROPOSED ABANDONMENT PROGRAM
FERGUSON WELL #9-2
NEWHALL POTRERO FIELD, LOS ANGELES COUNTY

1. RU Coil Tubing Unit (CTU), install Class II BOPE. RIH and lay a Class "G" cement plug in 5" liner and 7" casing from 7,265 FT to 6,854 FT. Tag cement plug, DOGGR to witness location and hardness of plug. Fill 7" casing with 72# clay base mud from 6,854 FT to 1,150 FT.

2. RU perforators, RIH with cavity shot gear to 1,150 FT, make cavity shot. POOH with perforating gear. RIH with coil tubing, clean out to bottom of cavity if necessary and set Class "G" cement plug from 1,150 FT to 1,050 FT. Tag top of plug. DOGGR to witness location and hardness of plug.

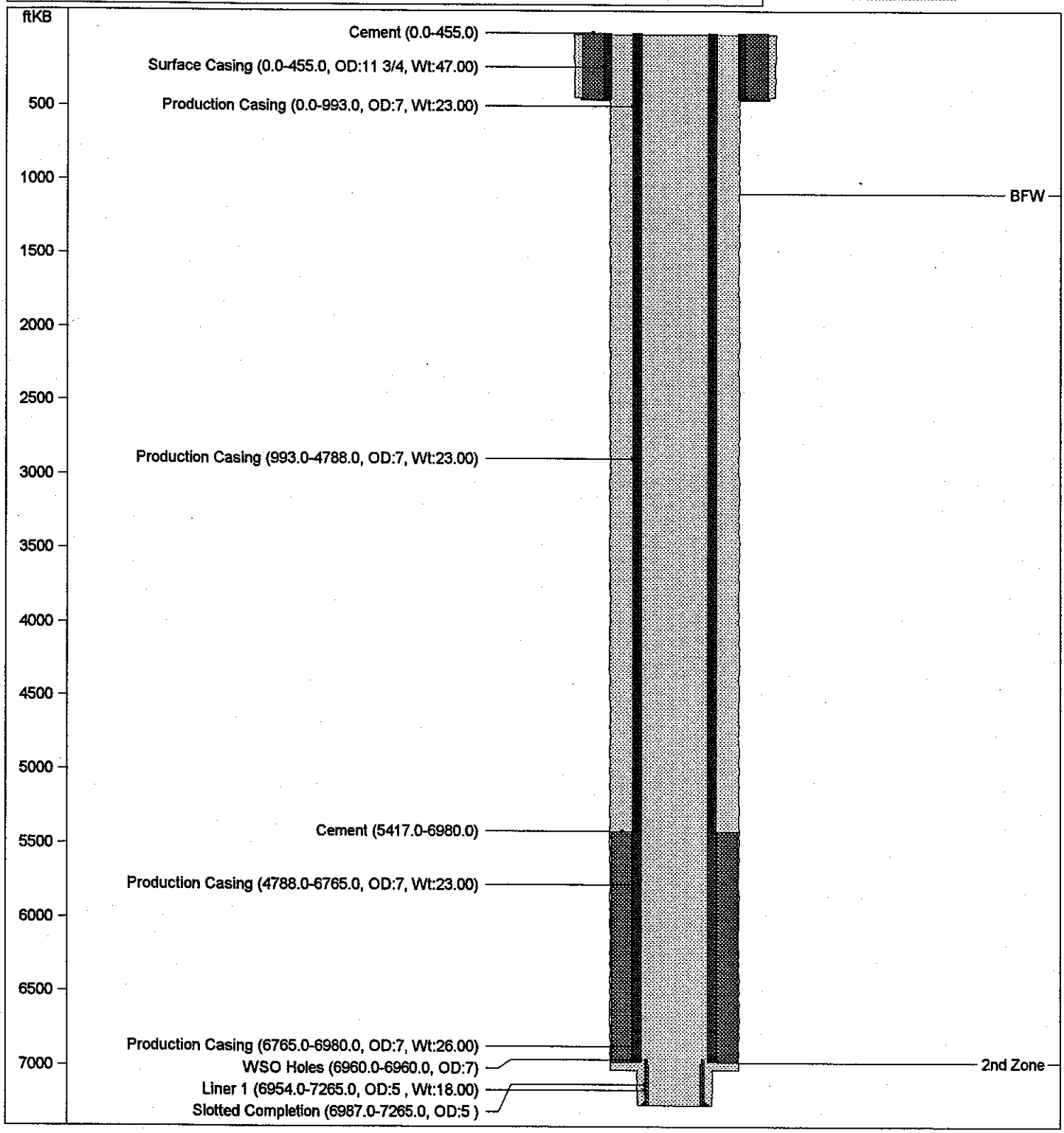
3. Fill 7" casing with 72# clay base mud from 1,050 FT to 100 FT.

4. RU perforators and shoot eight (8) 1/2" holes at 100 FT. RD perforators. RIH with coil tubing and circulate surface plug into 7" x 11-3/4" casing annulus and 7" casing. DOGGR to witness surface plugging. RD coil tubing unit.

5. Clear well location, cut off casing five feet below ground level and weld on required well identification marker. DOGGR to witness plug prior to welding ID plate. DOGGR to make final inspection of location after restoration.

04037126110000	
Well Name	Ferguson 9-2
Operator	MEDALLION CALIF PRPTS CO
Field Name	NEWHALL-POTRERO
TD	7266.0 ftKB
PBTD	7266.0 ftKB
Approval Date	24-Oct-50
Spud Date	19-Oct-50
TD Date	31-Dec-50
Production Date	03-Jan-51
Injection Date	27-Dec-68
P/A Date	

Division of Oil & Gas Conservation



8/15/97

FLUID LEVEL SURVEYS

Field: Newhall-Potrero
Inspector: Bruce H. Hesson
Date: August 23, 1991

WELL		Pressure	FLUID LEVEL (fbgl)
"Fergeson"	2	12	6541
"	4	230	4898
"	6	30	7595
"	7	175	7440
"	9	(Well is buried - to be tested later)	
"RSF"	24	15	5456
"	25	vac.	6076
"	31	40	5301
"	36	20	5332
"	47	vac.	4991
"	50	1	4898
"	51	4	3534
"	52	vac.	3503
"	124	17	4681
"	132	15	4371

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF PROPERTY AND WELL TRANSFER

Field or county		District
Newhall-Potrero		2 Ventura
Former owner	**Operator code**	**Date**
DKM Offshore Energy, Inc.	D0230	10-1-94

Name and location of well(s)

All wells previously owned by DKM Energy, Inc.
in Sec. 25, 26, 27, 31, 35, 36, T. 4N, R. 17W SBB&M.

Except:
"Rancho San Francisco" 152 (037-12654)

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Operator code	Type of organization
10-1-94	Medallion California Properties Company	M4805	Corporation
	Address 1400 Easton Dr., #133 Bakersfield, CA. 93309		**Telephone No.** (805) 395-3029

Reported by Medallion California Properties Company

Confirmed by DKM Offshore Energy

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**

Deputy Supervisor Patrick J. Kinnear

Signature Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121	TKC		Map and book 252+253 PC		1-3099
Form OGD140			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files	TKC	
Electric logs	TKC		Computer Files		
Production reports	TKC				

OGD156 (5/98)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF PROPERTY AND WELL TRANSFER

Field or county		District
Newhall-Potrero		2 Ventura
Former owner	**Operator code**	**Date**
Tidelands Oil Production Company	T2975	11-1-92

Name and location of well(s)

All wells previously owned by Tidelands Oil Production Company, in Sec. 25, 26, 27, 31, 35, 36, T. 4N, R. 17W SBB&M.

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Operator code	Type of organization
11-1-92	DKM Offshore Energy, Inc.	D0230	Corporation
	Address 1100 Louisiana, Ste.4550 Houston, Texas 77002		**Telephone No.** (713) 739-0312

Reported by DKM Offshore Energy, Inc.

Confirmed by Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**

Deputy Supervisor Patrick J. Kinnear

Signature Patrick J. Kinnear PJK/1

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121	TKC		Map and book 252+253	PC	1-30-99
Form OGD140			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files	TKC	
Electric logs	TKC		Computer Files		
Production reports	TKC				

OGD156 (5/98)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-1	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co. Address 925 Harbor Plaza Long Beach, CA 90801	Co. Telephone No. 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor
Patrick J. Kinnear

Signature
Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county NEWHALL-POTRERO	District 2
Former owner Sun Oil Company	Date Mar. 31, 1983

Name and location of well(s)

Sec. 31, T. 4N., R. 16W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange 1/1/82	New owner Sun Exploration & Production Co. Address P.O. Box 55060 Valcenia, Ca. 91355	Type of organization Company Telephone No. (805) 257-6200

Reported by
Sun Oil Company

Confirmed by
Sun Exploration & Production Co.

New operator new status (status abbreviation) PA	Request designation of agent on file
Old operator new status (status abbreviation) Ab	Remarks NAME CHANGE ONLY

Deputy Supervisor Murray W. Dosch	Signature Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

F. E. KASLINE

May 11, 1970

WATER-FLOOD PROJECT
Sun Oil Co.
Newhall-Potrero Field
1-2-3 Pool
Second Zone

Inglewood

We have been informed by Sun Oil Company that water-flood operations in the Second zone, 1-2-3 pool, Newhall-Potrero field, have been terminated as of April 1970.

The status of water flood wells No. "Ferguson" 7-2 (037-12609) and "Ferguson" 9-2 (037-12611), Sec. 31, T. 4 N., R. 16 W., S.B.B.&M., has changed to idle water flood wells. These wells will be deleted from Table 5 of our Summary of Operations.

John F. Matthews, Jr.
Deputy Supervisor

ADS:es

cc - Production Dept.
A. D. Stockton

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 ↑ NC CQK

RECORDS FILED & DATE: Clerk Scar

✓ Summary (dup.) 7/28/69

Log & Core (dup.)____

✓ History (dup.) 7/28/69

E-log____

Radio log____

D. Survey____

Other____

(Check records for signature and correct name of operator or well, S.T.R. and field.)

Location OK Notice states____

Elevation OK 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. [illegible]

✓

✓

Surface inspection____

Data needed None

Request records____

Correct records____ (Specify)

CARDS____

BOND: Blanket

Hold___ Reason____

Release___ Date elig.____

End premium year____
Release requested____ (Check)
Bond superseded____ (one)
Well abandoned____

FINAL LETTER____ F 159___
and
FILE CLEARED____ F 121___

Clerk:
F 170___
F 165___
165A___
F 150b___

Form 19-A

SUN OIL COMPANY - DX DIVISION

SOUTHWESTERN DIVISION — NEWHALL DISTRICT

WELL SUMMARY REPORT

Field Newhall-Potrero

*Well No. Ferguson "A" & "B" #9-2, Sec. 31, T. 4N, R. 16W, S.B. B. & M.

Location 3995' S & 3901' E from NW corner of lease, measured parallel & normal to West boundary, Los Angeles County.

Elevation of K.B. above sea level 1572'. K.B. above Concrete Mat 11'.

Date July 25, 1969

Signed J. R. Hinkle by TSW
J. R. Hinkle, District Engineer

Contractor California Production Service
Type Rig Pulling Unit
Commenced Workover : 12/23/68 (Date)

Completed Workover : 12/27/68 (Date)

WELL CONDITIONS PRIOR TO WORK

Total Depth 7266' Plugged Depth --

11 3/4" 47#, J-55, Smls csg. cmt'd at 455' w/392 sx.
7" 23# & 26#, J-55 & N-80, Smls csg. cmt'd at 6980' w/450 sx.
4-1/2" holes at 6960' - WSO
5" 18#, J-55, Smls csg. as production liner landed at 7265' w/top at 6954'. Perf w/40-1/4" RHPF from 6987' to 7265'.
16 1/2" Hole to 438'.
15 1/2" Hole to 465'.
10 5/8" Hole to 7003'.
8 1/2" Hole to 7030'.
6 1/8" Hole to 7266' - TD

WELL CONDITIONS AFTER WORK

Total Depth _____ Plugged Depth _____

Well converted to polymer injection.
No change in downhole conditions.

DIVISION OF OIL AND GAS
RECEIVED
JUL 28 1969
INGLEWOOD, CALIFORNIA

Estimated Date of Commencement 3/10/69 (Date)

	Clean Oil Bbls. per day	Gravity Clean Oil	Per Cent Water Incl. Emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production						
Production after _____ days						

Electrical Log Depths 456'-7265' (Attach copy of Log)

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 SUN OIL COMPANY-DX DIVISION FIELD Newhall-Potrero

Well No. Ferguson "A" & "B" #9-2, Sec. 31, T. 4N, R. 16W, S.B. B. & M.

Date July 25, 19 69 Signed J. R. Hinkle
J. R. Hinkle

23928 Lyons Avenue
Newhall, California 91321 805-259-2440 Title District Engineer
(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	
1968	ALL MEASUREMENTS FROM KELLY BUSHING WHICH IS 11 FEET ABOVE CONCRETE MAT.
12/23	Moved in and rigged up California Production Service pulling unit. Worked pump lose. Dewaxed tubing and rods with 80 bbls of hot water. Indufluxed rods while pulling out. Tore out Induflux, and shut well in for night at 12:30 p.m.
12/25	Resumed operations at 7:00 a.m. Rigged up Dia-Log and checked all tubing. Changed over to lease salt water. Installed BOE and working platform. Pulled and measured tubing; laid down 7 jts. Measured in hole with Cravins 2 5/8" bailer and found top of fill at 7250'. Ran in with Baker 7" - 26# Positive Scraper and scraped 7" casing to top of liner at 6954'. Pulled out and ran in with 5" -18# Baker Positive scraper and scraped to 6895'. Shut rig in for night at 3:00 a.m.
12/26	Resumed operations at 7:00 a.m. Scraped 5" liner to 7200'. Pulled out of hole with casing scraper and made up Wellstim Circulating Washer on 2 7/8" & 2 3/8" tubing. Ran in hole and washed perfs X 7200'-6987' with 2550 gals Di-Chem High Aromatic Solvent mixed with 450 gals Di-Chem Solvent "A". Top 14' of perfs washed with difficulty (up to 1500 psi), balance of interval washed very freely. Pulled out of hole and laid down washer. Measured in hole with 2 5/8" bailer and found top of fill at 7248'. Pulled and laid down bailer, closed well in and shut job down at midnight.
12/27	Resumed operations at 7:00 a.m. Made up and ran Baker Model "R" Double Grip packer on 2 7/8" tubing. Hydrotested all tubing to 5000 psi. Spotted 55 gals Di-Chem 620 Corrosion Inhibitor (Hexachrome) mixed with 250 bbls salt water down annulus. Set packer at 6901' with 15000lbs weight; MMR mandrel with dummy valve at 6863'. Tested casing to 800 psi for 10 minutes, OK. Installed Series 900 tree. Tore out pump and tank, and loaded out tools. Rig released at 6:00 p.m.

DIVISION OF OIL AND GAS
RECEIVED
JUL 28 1969
INGLEWOOD, CALIFORNIA

FORM 111

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 169-300

WATER FLOOD

Mr. John R. Hinkle, Agent
SUN OIL COMPANY - DX DIVISION
23928 Lyons Avenue
Newhall, California 91321

Inglewood, Calif.
March 24, 1969

DEAR SIR:

Your proposal to convert to water flood Well No. "Ferguson" 9-2 (037-12611), Section 31, T. 4 N, R. 16 W S.B. B. & M., Newhall-Potrero Field, Los Angeles County, dated 3/10/69, received 3/12/69, has been examined in conjunction with records filed in this office.

With reference to your notice our decision is as follows:

DECISION

THE PROPOSAL IS APPROVED PROVIDED:

1. THIS DIVISION SHALL BE NOTIFIED TO WITNESS the running of a temperature, spinner and/or radioactive survey to confirm that the injection water is confined to the intended zone of 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 to be 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.
5. Within 30 days after injection is started, this Division shall be furnished with sufficient data to confirm that the injected fluid is confined to the intended zone of injection.
6. Sufficient records shall be kept to establish that no damage is occurring because of excessive injection pressure. Such records shall be open to inspection by personnel of this Division.

NOTE:

1. The base of the fresh water sands is at 1080'. The fresh water is protected by the 11-3/4" casing cemented at 455' with sufficient cement to fill to the surface, and by the 7" casing cemented at 6980' with sufficient cement to fill to 5544'.
2. The water to be injected tests about 4890 ppm sodium chloride, and is water produced from neighboring wells.
3. The strata into which water is to be injected contain a mixture of oil and salt water. The salt water tests approx. 7210 ppm sodium chloride.
4. Approx. Surface Location of Well: 700' N., 1335' E. fr. SW cor. Sec. 31.

ADS:nw

cc Sacramento (3)
Company
Co. Ind. Waste Div.

Blanket Bond

F. E. KASLINE, State Oil and Gas Supervisor

By [signature], Deputy

26437-705 11-68 20M ① △ OSP

F. E. Kasline

March 24, 1969

WATER-FLOOD PROJECT
Sun Oil Co. - DX Division
Newhall-Potrero Field
1-2-3 Pool
Second Zone

Well No. "Ferguson" 9-2 (037-12611)
Sec. 31, T.4N., R.16W.,
S.B.B.& M.

Inglewood

We are enclosing the following documents in connection with a request submitted by Sun Oil Company - DX Division for permission to initiate pilot water-flood operations in the 2nd zone of the Newhall-Potrero field:

1. Letter from the operator outlining the project.
2. Maps showing contours on top of the 2nd zone.
3. Cross section A-B.
4. Analysis of the injection water and water in the 2nd zone.

Also enclosed is report No. P169-300, in triplicate, dated March 24, 1969, for well No. "Ferguson" 9-2, and a copy of our letter to the operator approving the project and setting forth our requirements.

The base of the fresh water sands in the field ranges from 0 to 1330 feet. However, there are also some sands between 1300 and 4000 feet that appear to contain fresh water, as interpreted from electric logs. In this well, they are 1080 feet deep and are protected by 11 3/4-inch casing cemented at 455 feet with sufficient cement to fill the annular space behind this casing to the surface, and by 7-inch casing cemented at 6980 feet with sufficient cement to fill the annular space behind this casing to 5544 feet.

The zone water and the injection water test 7210 and 4890 ppm sodium chloride; the injection water will be water produced from neighboring wells; it will be filtered and treated with a polymer and other chemicals added prior to injection into the well, which will be equipped with tubing and packer. The flood pattern will be of a peripheral type and the injection rate will be 1650 B/D at a pressure not to exceed 2000 psi. The company plans to inject waste water for two weeks before adding the mobility-reducing polymer.

The operator's mineral leases completely surround this area and no off-setting operators are affected. Structurally, the field is a highly faulted, asymmetric anticlinal nose with the major axis trending southeast and with dips of 40 to 50 degrees on the northerly flank and 60 degrees or more on the southerly flank. The 2nd zone of the 1-2-3 pool is in the Modelo formation of Miocene age (Delmontian stage) and in this area has a gross thickness of about 250 feet and a net oil sand thickness of about 150 feet.

Joseph Matthews Jr.

Deputy Supervisor
ADS:nw
cc W. F. Huey
Production Department
Enclosures

FORM 157

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

830 N. La Brea Ave.
Inglewood, California

March 13, 1969

Mr. J. R. Hinkle, Agent
Sun Oil Co. - DX Division
23928 Lyons Ave.
Agent for Newhall, Calif. 91321

DEAR SIR:

Your ~~request dated~~ Notice dated March 10, 1969, relative to change in designation of well(s) in Sec. 31, T. 4 N., R. 16 W., S.B. B. & M., Newhall-Potrero field, Los Angeles County, District No. 1, has been received;

and in accordance with Section 3203, Public Resources Code, reading in part as follows:

> "* * * The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor."

the proposed change in designation is hereby authorized as follows:

Well No. "Ferguson" 9 will hereafter be known as well No. "Ferguson" 9-2 (037-12611).

Corrections Made as Follows:	By Whom
Form 114	
" 115	
" 121	
" 148	
Cards	
Production Reports	
Well Records (Folders	
(Reports	
Field Maps 150	
Map Book 4-2-69	

ag
cc: F. E. Kasline
Production Dept.
Conservation Committee

F. E. KASLINE
~~E. R. MURRAY-AARON~~
State Oil and Gas Supervisor

By _____
Deputy Supervisor

△ SPO

FORM 107

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

RECEIVED
MAR 12 1969
ENGLEWOOD, CALIFORNIA

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given before work begins; one copy only

Newhall Calif. March 10, 1969

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~~ Changing Status at Well No. Ferguson ("A" & "B") #9-2
(Cross out unnecessary words)

, Sec. 31, T. 4N, R. 16W, S.B. B. & M.

Newhall-Potrero Field, Los Angeles County.

The present condition of the well is as follows:

1. Total depth. 7266'

2. Complete casing record, including plugs:
11 3/4" 47#, J-55, Smls. csg. cmt'd at 455' w/392 sx.
7" 23# & 26#, J-55 & N-80 Smls. csg. cmt'd at 6980' w/450 sx.
4-1/2" holes at 6960' - WSO.
5" 18#, J-55 Liner hung at 7265' w/top at 6954'.
Perf. w/40-1/4" RHPF: (6987'-7265').
16 1/2" hole to 438'.
15 1/2" hole to 456'.
10 5/8" hole to 7003'.
8 1/2" hole to 7030'.
6 1/8" hole to 7266' - T.D.

3. Last produced. December, 1966 (Date) | 0 (Oil, B/D) | 0 (Water, B/D) | 7 (Gas Mcf/D)

The proposed work is as follows:

1. Pull rods and tubing.
2. Bail hole clean to 7200', and scrape 7" casing to 6954'.
3. Clean perforations 7200'-6987' using circulating washer with high aromatic solvent.
4. Run 2 7/8" injection tubing and set Baker Model "R" packer at 6901'.
5. Place well on water and polymer injection.

MAP	MAP BOOK	CARDS	BOND	FORMS 114A	FORMS 121
		ARG	B	ARG	ARG

23928 Lyons Avenue
Newhall, California 91321
(Address)

805-259-2440
(Telephone No.)

SUN OIL COMPANY-DX DIVISION
(Name of Operator)

By J. R. Hinkle by JD
J. R. Hinkle, District Engineer

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

81988-705 10-66 15M OSP

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: Newhall-Potrero — District: 1

Former Owner: General Exploration Co. of Calif. — Date: March 3, 1965

Description of Property: Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
"Ferguson" 3 "
"Ferguson" 4 "
"Ferguson" 5 "
"Ferguson" 6 "
"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: January 1, 1965
New Owner: SUNRAY DX OIL COMPANY
Address: 23928 Lyons Ave., Newhall, Calif.

Telephone No. 259-2440

Type of Organization: Corporation
Reported by: General Exploration Co. of Calif. on Dec. 1964 Production Report
Confirmed by: Sunray DX Oil Co. in letter dated 3-1-65
New Operator New Status PA , Old Operator New Status PA
Request designation of agent No

Remarks:

cc E. R. Murray-Aaron
Production Dept.
Conservation Comm.

Wm. C. Bath
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

79184 1-65 5M (2) SPO

SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
FEB 20 1951
LOS ANGELES, CALIFORNIA

WELL SUMMARY REPORT

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 9 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Location (3995' Southerly and 3901' Easterly from (Northwest corner of lease measured (parallel and normal to West boundary (of lease.

Elevation above sea level 1561 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

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 January 10, 1951

Signed R. S. Ballantyne, Jr.

R. S. Ballantyne, Jr. (Engineer or Geologist) C. C. Winslow (Superintendent)

Title Engineer

Commenced drilling 10/19/50 Completed drilling 12/31/50 Drilling tools ~~Cable~~ Rotary

Total depth 7266' Plugged depth ----

Junk None

GEOLOGICAL MARKERS	DEPTH
Top 2nd zone	6980'

Commenced producing 1/3/51 (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	334	34.1	0.1	561	160#-180#	----
Production after 30 days	73	34.1	0.1	301	150#-155#	

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 Drilled	Number of Sacks of Cement	Depth of Cementing if through perforation
11-3/4"	455'	0	47	New	Seamless	J-55	16-1/2"	392	
	(993'	0	23	"	"	N-80			
7"	(4789'	993'	23	"	"	J-55			
	(6765'	4789'	23	"	"	N-80	10-5/8"	450	
	(6980'	6765'	26	"	"	N-80			
5"	7265'	6954'	18	"	"	J-55	6-1/8"	Landed	

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	7265 ft.	6987 ft.	1/4" round holes	10	3	Machine
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

456' - 7265'

FORM 103
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
FEB 20 1951
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

OPERATOR GENERAL EXPLORATION COMPANY OF CALIFORNIA FIELD Newhall-Potrero

Well No. "Ferguson" 9, Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

Signed R. S. Ballantyne, Jr.

Date January 10, 1951 Title Engineer

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	
1950	
10/19	Spudded and drilled 15-1/2" hole to 51'
10/20	Drilled 10-5/8" hole to 438'
10/21	Opened 10-5/8" hole to 16-1/2" to 438' and drilled 15-1/2" hole to 456', ran 11-3/4", 47#, J-55 casing to 455' and cemented with 300 sacks of cement.
10/23	Pumped additional 92 sacks of cement through retainer set at 426'
12/24	Ran 10-5/8" bit and cleaned out from 426' to 456'
10/24-12/17	Drilled 10-5/8" hole from 456' to 7003'.
12/8	Ran Schlumberger electric log from 456' to 6259'
12/16	Ran Schlumberger electric log from 6259' to 6903'
12/18-19	Cored 8-1/2" hole from 7003' to 7030'
12/19	Ran Schlumberger electric log from 6903' to 7030'
12/20	Ran 7", 23#, N-80 and J-55, and 26# N-80 casing to 6980' and cemented with 450 sacks of cement. Depths of 7" casing by weight and grade follows: o' to 993', 23#, N-80; 993' to 4788', 23#, J-55; 4788' to 6765', 23#, N-80; and 6765' to 6980', 26#, N-80.
12/24	Found top of cement (stringers) at 6870' and cleaned out to 6970'. Shot four 1/2" holes at 6960' with McCullough gun. Ran Acme tester on 3-1/2" drill pipe with 1000' of water cushion. Set packer at 6909' with tailpiece at 6920'. Valve open one hour from 2:05 P.M. to 3:05 P.M. During this interval there was an initial puff-- dead balance of test. There was a net rise of 5' of light drilling fluid. Pressure charts O.K. Water shut-off approved by Division of Oil and Gas.
12/24	Cleaned out cement to shoe at 6980' and cleaned out to 7030'. Changed over from clay base to 100% oil base drilling fluid.
12/25-31	Drilled 6-1/8" hole from 7030' to 7266'. The interval 7250' to 7256' was cored.
12/31	Ran Schlumberger electric log from 7030' to 7266'.
12/31-1/1/51	Fired 184 Byron-Jackson open hole charges on one foot centers between the intervals 6994' to 7040', 7047' to 7070', and 7077' to 7192'.
1/1-1/2	Run 6-1/8" bit and cleaned out to 7260'. Ran 311' (including liner hanger) of 5", 18#, J-55 liner on 3-1/2" drill pipe and landed at 7265' with top of hanger at 6954'. The liner was perforated from 6987' to 7265' with 1/4" round holes in 10 rows on 3" centers.
1/2-3	Ran Olympic production packer (30" stroke) on 2-1/2" tubing (220 joints--- 6849' plus 1 slick joint-- 23') with 2-1/2" x 2" swage nipple tail. Set packer at 6872' (6883' K.B.) with tail at 6880' (6891' K.B.). Opened dump in packer and circulated oil base mud out with oil and closed dump.
1/3	Swabbed well. Started flowing at 3:30 P.M. Flowed at the rate of 520 B/D from 4:30 to 7:30 A.M. (1/4/51), 500 MCF, 34.1°, 0.1%, 120#-160#/0#, 34/64 bean.
1/4	334 Bbl. 34.1°, 0.1%, 561 MCF, 160#-180#/0#., 32/64" bean.

M 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
FEB 20 1951
LOS ANGELES, CALIFORNIA

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 9 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
7003'	7020'			0.5'	REED CONVENTIONAL 8-1/2" CORE BARREL CORE #1
		.5'			Pieces of siltstone and oil sand blown out o core barrel. Oil sand very firm, fine, light slightly brown-gray, good odor, ambe cut, golden yellow fluorescence.
7020'	7030'			5.0'	CORE #2
		.4'			Siltstone, hard, dark gray and gray-brown with numerous thin fine sand streaks and inclusions. Dips 32°.
		.4'			Oil sand, very firm somewhat friable, fine, light slightly brown-gray with one 32° dipping 1/4" siltstone streak in middle. Good light oil odor, clear light mahogany cut, excellent light yellow gold fluores-cence.
		.3'			Siltstone as above, one 1" inclusion of oil sand near top and two impermeable fine gra sand streaks near bottom. Dips 38°.
		1.2'			Oil sand, firm hard down to very firm, barel down to somewhat easily friable, fine and medium-fine matrix with numerous coarse grains scattered throughout and occasional pebbles up to 1/2". Good light oil odor, clear light mahogany cut, golden yellow fluorescence.
		.2'			Siltstone, poor 35° dip.
		2.2'			Oil sand, firm-hard and very firm, fine usua ly fairly well sorted with occasional coar and medium sand grains, light slightly brown-gray, good light oil odor, clear mahogany cut, golden yellow fluorescence.
		.3'			Shell, sandstone, very hard, gray, impure, with scattered coarse sand grains and smal pebbles.
		5.0'			
7250'	7266'			14.5'	REED CONVENTIONAL 6-1/8" CORE BARREL CORE #3
		14.5'			Siltstone, hard, gray-brown, somewhat mica-ceous with numerous thin fine sand laminae and inclusions, one 1" fine white sandstor shell streak at 1.9'. Badly broken, frac-tured and slickensided intervals from 2.7'

FORM 101
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
FEB 20 1951
LOS ANGELES, CALIFORNIA

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 9 Sec. 31, T. 4-N, R. 16-W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
					CORE #3 Cont'd. 6.5' and from 12.0' to 14.5'. The top 2.7' contains dips as follows: 35°, 34°, 48°, 35°-- and is cut by more than 15 roughly parallel shears with vertical slickensides dipping in the direction of bedding dip at angles from 48° to 62°, mostly 57°. Observed dips in broken interval from 2.7' to 6.5' are suggested from 30° to 50°. From 6.5' to 12.0' the dips are: 30°, 39°, 35°, 30°, 35°, 32°, 30°, 29°, 25°, and 33°, and contain several 55°-75° dipping shears opposed to dip of bedding with no or low angle slickensides and one 60° sheer in direction of bedding with vertical slickensides. - - - - - - -

FORM 109-A (10-48)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-52246

Los Angeles 15, Calif. January 5, 1951

Mr. C. C. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your well No. "Ferguson" 9, Sec. 31, T. 4 N., R. 16 W., S.B. B & M.
Newhall-Portero Field, in Los Angeles County, was tested for water shut-off on December 24, 1950. Mr. Paul Betts, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present Robin Willis, Engineer; R. A. Lewis, Drilling Foreman.

Shut-off data: 7 in. 23 & 26 lb. casing was cemented xxxx at 6980 ft. on December 20, 1950 in 10-5/8 in. hole with 450 sacks of cement xxxxxx of which 20 sacks was left in casing.

Casing record of well: 11-3/4" cem. 455'; 7" cem. 6980'; four 1/2" test holes at 6960'. W.S.O. (fill to 5514', ayo

Present depth 7027 ft. Bridged with cement from 6980 ft. to 6970 ft. Cleaned out to 6970 ft. for test. A pressure of 1000 lb. was applied to the inside of casing for 15 min. without loss after cleaning out to 6870 ft. An Acme tester was run into the hole on 3-1/2 in. drill pipe with 1000 ft. of xxxx mud cushion, and packer set at 6909 ft. with tailpiece to 6925 ft. Tester valve, with 1/2 in. bean, was opened at 2:05 p.m. and remained open for 1 hr. and xxx min. During this interval there was one puff and no blow thereafter.

THE INSPECTOR ARRIVED AT THE WELL AT 5:00 P. M. AND MR. WILLIS REPORTED:
1. A 10-5/8" rotary hole was drilled from 456'-7000'; an 8-1/2" rotary hole, 7000'-7027'.
2. Electrical core readings showed the top of the 2nd zone at 6980'.
3. The 7" casing was shot-perforated with four 1/2" holes at 6960'.

THE INSPECTOR NOTED:
1. When the drill pipe was removed, 5' of thin, cement-cut, drilling fluid was found in the drill pipe above the tester, equivalent to 0.1 bbl.
2. The recording pressure bomb chart showed that the tester valve was open 1 hr.

The test was completed at 6:00 p.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 6960' IS APPROVED.

cc- Company

PWB:OH

R. D. BUSH, State Oil and Gas Supervisor

By C. A. Mussell, Deputy

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-52037

Los Angeles 15, Calif. November 17, 1950

Mr. C. G. Willis
Los Angeles 13, Calif.
Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Operations at your well No. "Ferguson" 9 Sec. 31, T. 4 N., R. 16 W., S. B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by Paul Betts, Inspector, representative of the supervisor, on October 28, 1950. There was also present R. A. Lewis, Drilling Foreman; Patrick Patterson, Driller.

Casing Record 20" cem. 14'; 11-3/4" cem. 455'. T.D. 708'.

Junk xxxx

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 11:00 a.m. and Mr. Lewis reported:

1. A 16-1/2" rotary hole was drilled from 14' to 456'.
2. On October 21, 1950, 11-3/4", 47 lb. casing was cemented at 455' with 300 sacks of cem.
3. Cement returned to the surface.
4. An additional 92 sacks of cement was pumped into the hole through a cement retainer set at 426'.
5. A 10-5/8" rotary hole was drilled from 456' to 708'.

THE INSPECTOR NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole, and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 2" mud fill-up line with a 2" high pressure Nordstrom valve into the 11-3/4" casing below the above equipment.

The inspection was completed at 11:30 a.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

PWB:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

16930 10-49 17,500 ② SPO

M 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 1-49008

Los Angeles 15, Calif. October 24, 1950

MR. C. G. Willis

Los Angeles 13, Calif.

Agent for GENERAL EXPLORATION COMPANY OF CALIFORNIA

DEAR SIR:

Your proposal to drill Well No. "Ferguson" 9, Section 31, T. 4 N., R. 16 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County, dated Oct. 13, 1950, received Oct. 18, 1950, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 3995 feet S. and 3901 feet E. from Corner XIII (Northwest corner of lease) measured parallel and normal to west boundary of lease.
Elevation of ground above sea level 1561 feet.
All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.
We estimate that the first productive oil or gas sand should be encountered at a depth of about 7200 feet."

PROPOSAL:

"We propose to use the following strings of cawing, either cementing or landing them as herein indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
11-3/4"	47#	J-55 Seamless	450'	Cemented
7"	23# and 26#	(J-55 Seamless (N-80 Seamless	7200'	Cemented
5"	17#	J-55 Seamless	(7200' to (7600'	Landed

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."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT

1. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
2. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possit
3. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To witness a test of the effectiveness of the 7" shut-off.
   (b) To inspect the installed blowout prevention equipment before drilling below 1000'.

ERMA:OH

cc- Company W/D

R. D. BUSH
State Oil and Gas Supervisor

Bond No. 205275

By E. H. Meisser Deputy

FORM 105.
CALIFORNIA STATE PRINTING OFFICE

13

037-12611

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. October 13, 1950

DIVISION OF OIL AND GAS
1015 West Olympic Boulevard
Los Angeles (15), Calif.

Alt loc: Fr SW cor 750N 1140E

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. "Ferguson" 9, Sec. 31, T. 4-N, R. 16-W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County. JLW

Legal description of lease See plat attached to Notice of Intention to Drill "Ferguson" #5 Corner XIII (Northwest corner of lease)

The well is 3995 feet ~~N~~ S., and 3901 feet E. ~~W~~ from measured parallel and normal to west boundary of lease.
(Give location in distance from section corners or other corners of legal subdivision)

Elevation of ground above sea level 1561 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 7200 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
11-3/4"	47#	J-55 Seamless	450'	Cemented
7"	23# and 26#	(J-55 Seamless (N-80 Seamless	7200'	Cemented
5"	17#	J-55 Seamless	(7200' to (7600'	Landed

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A JLW	JLW	L	205275		

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 750 Subway Terminal Building,
417 South Hill Street,
Los Angeles (13), California

Telephone number MU-2156

GENERAL EXPLORATION COMPANY OF CALIFORNIA
(Name of Operator)

By R. S. Ballantyne, Jr.
R. S. Ballantyne, Jr., Engineer.

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

LL SURVEYING CORPORATION
OUSTON, TEXAS

SCHLUMBERGER

ocation of Well

MEDALLION CALIFORNIA PROPERTIES CO.
"Ferguson" 9-2
Sec. 31-4N-16W NEWHALL-POTRERO

COMPANY
WELL
FIELD or LOCATION
COUNTY

WELL 037-12611
FIELD
LOCATION 31 - 4N - 16W
13
COUNTY
STATE

Elevation: D.F.:
K.B.: 1572
or G.L.:

FILING No.

RUN No.			
Date			
First Reading			
Last Reading			
Feet Measured			12
Csg. Schlum.			
Csg. Driller			
Depth Reached			
Bottom Driller			
Depth Datum			
Mud Nat.			
" Density			

"Ferguson" 9
Sec. 31-4N-16W

MEDALLION CALIFORNIA PROPERTIE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall Potrero	2
Former owner	**Date**
Oryx Energy Company	May 15, 1991

Name and location of well(s)

Sec. 36, T. 4N., R. 17W., SBB&M

"Ferguson" 1	(037-12603)	"Ferguson" 10	(037-12612)
"Ferguson" 2	(037-12604)		
"Ferguson" 3	(037-12605)		
"Ferguson" 4	(037-12606)		
"Ferguson" 5	(037-12607)		
"Ferguson" 6	(037-12608)		
"Ferguson" 7-2	(037-12609)		
"Ferguson" 8-2	(037-12610)		
"Ferguson" 9-2	(037-12611)		

Description of the land upon which the well(s) is (are) located

Date of transfer, assignment, veyance, or exchange	New owner	Type of organization
1-1-91	Tidelands Oil Production Co.	Co.
	Address: 925 Harbor Plaza, Long Beach, CA 90801	Telephone No.: 213-436-9918

Reported by
Oryx Energy Company

Confirmed by
Tidelands Oil Production Company

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	

Deputy Supervisor: Patrick J. Kinnear

Signature: Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
A[illegible] – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form OGD148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

OGD156 (6/90/GSR1/2M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address: P.O. Box 55060, Valencia, Ca. 91355	Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

2

2

FORM 156

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County: Newhall-Potrero — District: 1

Former Owner: General Exploration Co. of Calif. — Date: March 3, 1965

Description of Property: Sec. 31, T. 4 N., R. 16 W., S.B.B.& M.
Sec. 36, T. 4 N., R. 17 W., S.B.B.& M.

List of Wells:
"Ferguson" 1 - Sec. 36-4N-17W
"Ferguson" 2 "
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"Ferguson" 7 - Sec. 31-4N-16W
"Ferguson" 8 "
"Ferguson" 9 "
"Ferguson" 10 - Sec. 36-4N-17W

Date of Transfer: January 1, 1965
New Owner: SUNRAY DX OIL COMPANY
Address: 23928 Lyons Ave., Newhall, Calif.

Telephone No. 259-2440

Type of Organization: Corporation
Reported by: General Exploration Co. of Calif. on Dec. 1964 Production Report
Confirmed by: Sunray DX Oil Co. in letter dated 3-1-65
New Operator New Status: PA , Old Operator New Status: PA
Request designation of agent: No

Remarks:

cc E. R. Murray-Aaron
Production Dept.
Conservation Comm.

Wm. C. Bailey
Deputy Supervisor

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells

SUBMIT LOG IN DUPLICATE

FILL BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
MAY 23 1952
LOS ANGELES

WELL SUMMARY REPORT

Operator GENERAL EXPLORATION COMPANY OF CALIFORNIA Field Newhall-Potrero

Well No. "Ferguson" 10 Sec. 36, T. 4-N, R. 17-W, S.B. B. & M.

Location (710' southerly and 400' easterly from corner XIII measured parallel with and normal to westerly boundary of lease.

Elevation above sea level 1484 feet.

All depth measurements taken from top of Kelly bushing, which is 11 feet above ground.

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 4/2/52

Signed R. S. Ballantyne, Jr.

R. S. Ballantyne, Jr. (Engineer or Geologist) C. C. Winslow (Superintendent) Title Engineer. (President, Secretary or Agent)

Commenced drilling 9/30/51 Completed drilling 2/20/52 Drilling tools ~~Cable~~ Rotary

Total depth 10,259' Plugged depth 9,810'

Junk Aluminum strata jet carriers (Byron-Jackson) packed from 9810' to 9820'.

GEOLOGICAL MARKERS	DEPTH
Top of 2nd zone	7860'
Top of 5th zone (main)	9250'

Commenced producing 3/23/52 (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	61	31.1	0.1	19	25#	25#
Production after 10 days	54	30.2	0.1	31	25#	25#

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 Drilled	Number of Sacks of Cement	Depth of Cementing if through perforation
1-3/4"	447'	0'	47#	New	Seamless	J-55	17"	320	
	(1089'	0	29	"	"	N-80)			
	~~(1395'~~	~~1089~~	~~26~~	"	"	~~N-80)~~			
	(4683'	1395	26	"	"	J-55)			
7"	(6271'	4683	23	"	"	N-80)	10-5/8"	600	
	(8364'	6271	26	"	"	N-80)			
	(9196'	8364	29	"	"	N-80)			
5"	9810'	9184	17.93	"	"	J-55	6-1/8"	Landed	

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
7"	~~9149~~ ft.	9179 ft.	1/2" bullets	1	3"	Gun
5"	~~9242~~ ft.	9810 ft.	1/4" round holes	10	3"	Machine
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

4 Electrical Log Depths 447' - 10,236' (Attach Copy of Log) 7

DIVISION OF OIL & GAS
RECEIVED
MAY 2 1952
LOS ANGELES

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

Newhall-Potrero

"Ferguson" 10 36 4-N 17-W S.B.

R. S. Ballantyne Jr.

4/2/52

Engineer.

1951

9/30-10/1 Spudded and drilled 10-5/8" hole from surface to 440'.

10/2 Opened 10-5/8" hole to 17" from surface to 440' and drilled 17" hole to 447'. Ran 11-3/4", 47#, J-55 casing to 447' and cemented with 320 sacks of construction cement. Cement returned to the surface.

10/4-19 Drilled 10-5/8" hole from 447' to 4324'.

10/19-24 Backed bit off at 2080' coming out of hole. Left bit Totco instrument in hole. Recovered Totco instrument. Attempted to break up fish with bottom hole shots at 2431' and 4323'. Could not recover fish nor mill it up.

10/24 Set 55 sack concrete plug (45 sacks construction cement and 10 sacks sand) through 4-1/2" drill pipe hanging at 4324'.

10/25-28 Found top of plug at 4249' and drilled it out to 4275'. Set whipstocks at 4275', 429[illegible] 4302', and 4325' (on top of junk). Could not sidetrack original hole.

10/29-11/2 Drilled 10-5/8" hole from 4325' to 4351' while alternately drilling on junk and fishing with junk baskets— recovered fish.

11/3-22 Drilled 10-5/8" hole from 4351' to 6283'.

11/22-24 Stuck drill pipe at 2495' while coming out of hole. Could not work loose while spotting 225 bbl. oil in three intervals. Backed off on top of bit sub.

11/24-30 Jarred and washed over but could not recover fish. Fish dropped to 6008'.

12/1 Recovered fish.

12/2/51 to 1/9/52 Drilled 10-5/8" hole from 6283' to 9196'.

The intervals 9012-9024', 9156-9167', and 9177-9185' were cored with Mercury 10-5/8" conventional core barrel.

1952

1/7 Ran Schlumberger electric log from 447' to 9157'.

1/9 Ran Schlumberger electric log from 9157' to 9195'.

1/9-10 Ran 7" casing to 9196' and cemented with 600 sacks construction cement. Cement was displaced with 1968 cu. ft. drilling fluid when plug hit and pressure built up from 500# to 900#— 3 cu. ft. returned when pressure was bled back to 300#— final displacement 1965 cu. ft. (1964 cu. ft. estimated) casing detail follows (top to bottom):

1089'	(25 joints)	29#, N-80, L.T.& C.	(0'-1089')
306'	(7 ")	26#, " "	(1089'-1395')
3288'	(77 ")	26#, J-55, Speedtite	(1395'-4683')
1588'	(37 ")	23#, N-80, L.T.& C.	(4683'-6271')
2093'	(48 ")	26#, N-80 "	(6271'-8364')
832'	(19 ")	29#, N-80 "	(8364'-9196')

5

8

DIVISION OF OIL & GAS
RECEIVED
MAY 2 1952
LOS ANGELES

GENERAL EXPLORATION COMPANY
OF CALIFORNIA

Newhall-Potrero

Well No. "Ferguson" 10 Sec. 36, Twp. 4-N., Range 17-W., S.B.B.& M.

1952

1/14 Found top of cement just above float collar baffle at 9150'. Found shoe of casing at 9196' with 3-1/2" drill pipe. Drilled 6-1/8" hole from 9196' to 9200'.

1/15 Ran Johnston formation tester on 3-1/2" drill pipe with 2000' of fresh water cushion. Set packer at 9158' with tail piece at 9176'. Tester valve with 3/8" bean was opened at 3:50 A.M. and remained open one hour and thirteen minutes. During this period there was a light steady blow for 2 minutes and no blow thereafter. There was recovered a net rise of 20' of light drilling fluid. Water Shut-Off approved (V.F.Goode).

1/15-17 Operations suspended due to weather conditions.

1/18 Changed over drilling fluid from clay base to oil base.

1/18-2/20 Drilled 6-1/8" hole from 9200' to 10259' (T.D.) The intervals listed below were cored with Mercury 6-3/32" diamond core barrel.

9305-9421', 9437-9816', 9893-10,005',
10098-10117', 10147-10180', 10224-10,259'

2/21 Ran Schlumberger electric log from 9196' to 10,236'.

2/21-26 Ran Byron-Jackson strata jet with 1' spacing and shot the intervals as follows (bottom to top):

9770-9728', 9705-9649', 9571'-9515',
9494-9441', 9318-9262', 9438- 9382', and
9378-9322'.

A total of 375 charges were fired using 8 carriers. After firing each carrier, the shale in the interval from 9240' to 9260' bridged, necessitating a round trip and clean out between firings. The first three clean-out runs found the hole clear to 9900' except for minor bridging in interval described above. The next run found a bridge at 9705' which was cleaned out and another at 9820' which took over 20,000# weight. Thereafter, clean-out runs found cavings and carrier junk (aluminum) which was pushed to bottom and cleaned out successively to 9820', 9820', 9806', 9810', and 9810'.

2/27 Ran total of 626' (including liner hanger) of 5", 17.93#, J-55 liner on 3-1/2" drill pipe and landed at 9810'— hanger set at 9184'. The interval 9242-9810' (568') was machine perforated with 1/4" round holes in 10 rows on 3" centers.

2/28 Ran and landed 9128' of 2-1/2" tubing on production packer set at 9125'.

2/29 Displaced drilling fluid with oil through ports in packer— closed ports.

2/29-3/3 Swabbed estimated total of 276 bbl. clean 31° oil. Final fluid level at 8000' while swabbing from 8700'. Well would not flow.

3/3-12 Moved out drilling rig.

3/13 Rigged up production unit. Found fluid at 1332'. Well started to flow— produced 74 bbls.

3/14-18 Found fluid level at 2300'. Swabbed down to 4200'. Punched holes at 9113' (Western Pressure Control-piano wire operated device). Swabbed down to 8000'.

3/18-20 Unset packer. Pulled tubing. Ran feeler made up of 62' of 2-1/2" tubing on sand line to 9810'. Ran Byron-Jackson gun perforator and shot 120 bullets over the interval 9149' to 9179' (1/2" bullets, 3" spacing). Ran 2-1/2" tubing to 7218' (includes 32' gas anchor and 6' Byron-Jackson tubing catcher set 10 stands off bottom). Ran 3/4" rods and spaced pump. Moved out production unit.

3/22 On production 9 hrs.— pumped 74 bbls. oil.

3/23 Pumped 61 bbls., 31.1°, 0.1%, 19 M.C.F. 25#/25#

4/1 Pumped 54 bbls., 30.2°, 0.1%, 31 M.C.F. 25#/25#

- - - - -

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
RBDMS- RECORDS ENTERED

COMPANY N. M. FRASER WELL NO. "GERARD" 1

API NO. 037 - 05406 SEC. 6, T. 3N, R. 16W, SB B.&M.

COUNTY LOS ANGELES FIELD

RBDMS DATA ENTERED: 11-8-96
(DATE)

BY: S. MULQUEEN
(NAME)

RBDMS DATA MUST BE UPDATED FOR ALL DATA THAT IS RECEIVED AFTER THE DATE INDICATED ABOVE.

WELL CONSTRUCTION DATA ONLY

May 22, 1959

Western Gulf Oil Company
826 East Main Street
Ventura, California

Attention: Mr. L. E. Garrison

Gentlemen:

In regard to your letter of May 15, 1959, we are listing below names of persons to be contacted concerning release of data filed with this Division on the following wells:

P. M. Girard "Fisher-Wosk" 1

P. M. Girard, 408 S. Spring Street, Los Angeles
Mark Fisher (agent), 1009 Subway Terminal Building, Los Angeles 13
Walter S. Glute (engineer), 811 W. 7th Street, Los Angeles

M. M. Fraser "Gerard" 1

M. M. Fraser, 4200 W. Pico Street, Los Angeles

Mutual Development Company "Sanborn" 1

Mutual Development Co., Mark Fisher, President, 426 Parkway Blvd., Pasadena 1
Joseph W. Aidlin, 215 W. Seventh Street, Los Angeles 14

In regard to Electrological Petroleum Corporation, Ltd., "Overman" 1, we have no records worth copying. This also applies to Spencer & Brubaker 1-A, which was drilled to only 75 feet. Hardison & Stewart and Pacific Coast Oil Company wells were drilled prior to 1900 and we have no records of these very shallow wells. The Electrological Petroleum Corporation, Ltd., well No. "Overman" 1 was drilled to a depth of 1070 feet.

Very truly yours,

WM. C. BAILEY
Deputy Supervisor

DER:rw

—NOTE—

DO NOT DISCARD THIS PAGE

MAINTAIN IN PRESENT SEQUENCE

FORM 103. 68404 2-39 15M.
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Monroe

History of Oil or Gas Well

OPERATOR N M Fraser FIELD Newhall

Well No. Gerard 1, Sec. 6, T. 3 N, R. 16W, S.B. B. & M.

Signed N M Fraser.

Date Dec 13- 1939

Title L. G. Tonnon Driller + Rig owner (President, Secretary or Agent)

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

Oct 1= Well started with cable tools.
Drilled about 40' of 18 inch hole set 40 of 16 inch pipe.
Drilled 300' of 10-inch and set 7 5/8" pipe at 300.
Drilled 660 feet of 8" hole set 560 of 6" old drill pipe - held in slips until caving of formation held it in place.
No water encountered while drilling
No oil sand encountered

Feb 1936 - Ceased operations at which time all pipe in the hole.

FORM 100. 76025 10-39 20M
CALIFORNIA STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE

FILL [redacted] BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF [redacted] ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Memo

LOG OF OIL OR GAS WELL

Operator N. M. Fraser. Field Newhall

Well No. Gerard 1- Sec. 6, T. 3N, R. 16W, SBB B. & M.

Location on Lots 1-6-7 St John Subd Rancho San Francisco Elevation 1500

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 Dec 13-39 Signed N M Fraser

Title L. E. Tomson Driller

(Engineer or Geologist) (Superintendent) (President, Secretary or Agent)

Commenced drilling Oct. 1-1935 Completed drilling Feb-1936 Drilling tools Cable ~~Rotary~~

Total depth 960 Plugged depth

Junk none

GEOLOGICAL MARKERS	DEPTH
	960

Commenced producing none (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	none					
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 Cementing if through perforation
16"	40'			new			18"		
7 5/8"	300'	0		2nd Hand			10'	not cemented	
6"	560	0	old	6" drill pipe			8'	" "	

Perforations

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths None (Attach Copy of Log)

5 4

FORM 101. 64697
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Memo

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator N M Fraser Field Newhall

Well No. Gerard 1 Sec. 6, T. 3N, R. 16W, SB. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
0-38'			Drilled		gravel & surface formation
38-96	Shale		"		Blue Shale.
					No water encountered while drilling. Water Broke in while trying to produce.

E a Clampett.

6

6

FORM 111. 14610 8-34. 20M.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-28525

Los Angeles, Cal. August 2, 1935.

MR. N. M. Fraser,

Los Angeles, Cal.

~~XXXXXXXX~~ N. M. FRASER ~~XXXXXXXX~~

DEAR SIR:

Your proposal to drill Well No. "GERARD" 1,

Section 6, T3 N., R16 W., S.B. B. & M., Newhall Oil Field, Los Angeles County,

dated July 27, 1935, received July 29, 1935, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 2500' W'ly along S'ly line of Rancho San Francisco from S.W. corner of Lot 6, St. John Subdivision, thence N. 150'.

The elevation of the derrick floor above sea level is 1500 feet.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 400 feet, more or less."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herein i cated:

Size of Casing	Weight	New or Second Hand	Depth	Landed or Cemented
12½"	50#	New	175	Cement
10"	45#	"	1000	"

Well is to be drilled with cable tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:

This division has not sufficient data available upon which to base an estimate of the depth at which oil or gas-bearing formations fhould be encountered in this vicinity, nor the depth at whi a water shut-off should be effected.

THE PROPOSED DRILLING PROGRAM IS APPROVED, HOWEVER, PROVIDED THAT:

1. (a) Mud fluid of not less than 70 lb. per cubic foot shall be used in the drilling of the well and the column of mud fluid shall be maintained at all times to the surface, particularly while pulling the drill pipe.
   (b) Adequate blow-out prevention equipment shall be provided and ready for operation at all times.
2. The 12½" surface casing shall be cemented in a substantial shale body at a depth of at least 300' or below the lowest sands encountered carrying water suitable for domestic or irrigatio purposes.
3. Any hole to be sidetracked at any time during the drilling of this well shall be completely filled with cement.
4. THIS DIVISION MUST BE NOTIFIED AS FOLLOWS:
   (a) To witness a casing test of the 12½" surface casing.
   (b) When a showing of oil or gas is encountered.
   (c) Before landing or cementing any casing. Other requirements may be outlined at that time.
   (d) To witness a bailing test of each possible water shut-off.

HMP:OH

* TD. #900'
8 5/8" - ld 300'
6 5/8" - 900'

H.G. Hengerer C.B. 5/11/35

no oil or gas was found & got only sweet water.

R. D. BUSH
State Oil and Gas Supervisor

By [signature] Deputy

7

FORM 105. 6018 8-33 10M
CALIFORNIA STATE PRINTING OFFICE

4

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

037-05406

Notice of Intention to Drill New Well

This notice must be given before drilling begins

Los Angeles Cal. July 27 1935

MR.

Deputy State Oil and Gas Supervisor

Los Angeles Cal.

DEAR SIR:

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of drilling well No. "Gerard" 1, Sec. 6, T. 3N, R. 16W, SB S.B. B. & M., Newhall Oil Field Los Angeles County.

Lease consists of

The well is ~~125~~ feet N. or ~~X~~, and ~~150'~~ feet ~~E. or X~~ from ~~NW Cor. Sec. 6, T. 3N, R16W.~~
(Give location in distance from section corners or other corners of legal subdivision)
Type: 2500' Wly. along Sly. line of Rancho San Francisco from S.W. corner of Lot 6, St. John Subdivision, thence N. 150'.

The elevation of the derrick floor above sea level is 1500 feet.

Corr.: phone Conv. 7/29/35 Gerard - Phillips

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	New or Second Hand	Depth	Landed or Cemented
12½"	50#	New	175	Cement
10"	45#	"	1000	"

Gerard #1 - Located on those portions of Lots 1, 6 and 7, of the St. John sub-division of the Rancho San Francisco, as per maps recorded in Book 196, Page 304 of Miscellaneous Records of Los Angeles County, and that portion of the Rancho San Francisco as per map recorded in Book 1, Page 521 of patents, records of Los Angeles County.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 400 feet, more or less.

Respectfully yours

Address 4200 West Pico St. Los Angeles, Calif.

N. M. Fraser
(Name of Company or Operator)

Telephone number Oregon 2538

By

ADDRESS NOTICE TO DEPUTY STATE OIL AND GAS SUPERVISOR IN CHARGE OF DISTRICT WHERE WELL IS LOCATED

(approx. 850'E. & 300'N. from N.W. cor. Sec. 6 T. 3 N. R 16 W.)

18
RPB

OPERATOR Exxon Corp.
WELL NO. "Newhall Corp." 1
MAP

IN TION	Abd.	Supp. Abd				
NOTICE DATED	6-16-92	12-20-94				
P-REPORT NUMBER	292-168	P295-002				
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	6-17-92		12-19-94									
HISTORY			11/3/95									
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

'-REPORTS		✓				
'PERATOR'S NAME		✓				
'ELL NO.		✓				
OC & ELEV		✓				
IGNATURE		✓				
URFACE INSP.	5-3-96 MO	✓				
RILL CARD						

ECORD'S COMPLETE _____ Fmn 11/3/95 _____ _____ _____ _____

FINAL LETTER OK _____
MAILED _____
RELEASED BOND _____

NJECTION BOOK _____
OLE WELL LIST _____
JRFACE INSP. CARD _____
T ELEASE FROM CONFIDENTIAL _____
BANDONED-REMOVED FROM E.D.P.

REMARKS: _____

1

2

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 Corporation" 1,

A.P.I. No. 037-06359, Section 24, T. 4N, R. 17W, S.B. B.& M.,

Castaic Junction field, Los Angeles County,

dated 10-23-95, 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)

2

1

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
NOV 3 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 NEHHALL CORPORATION 1, Sec. 24, T 4N, R 17W, S.B. B. & M.

A.P.I. No. 0403706359 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 10/23, 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

10/05/95
MIRU. GUY OUT FULLY. RIG UP PUMP AND TANK. HAUL IN F/W AND L/W. CHECK WELL TBG 800# CSG 0#. BLEED DOWN TBG. PUMP DOWN TBG @ 350#. CLOSE IN WELL.

10/06/95
CHECK WELL TBG 200#, CSG 0#. BLEED WELL. REVERSE CIRCULATE 420 BBL DOWN KILL LINE TO BAKER TANK. CLOSE IN WELL.

10/09/95
CHECK WELL, TBG 0#, CSG 0#. NIPPLE DOWN PROD TREE. NIPPLE UP CLASS II BOP & BOE. FUNCTION TEST OK. RIG UP WORKFLOOR AND TBG EQUIP. UNLAND TBG WORK PKR LOOSE. PULL 90 FT. PUMP 20 BBL DOWN TBG. MEASURE OUT OF HOLE W/20 STANDS. CLOSE IN WELL.

10/10/95
CHECK WELL (NO PSI). CONT MEASURING OUT OF HOLE. RIG UP ACE TESTING. TEST IN HOLE @ 5000# W/80+0. CLOSE IN WELL.

10/11/95
OPEN WELL (NO PSI). CONT TESTING IN HOLE WITH 2.875 INCH TBG. TEST 81+0 @ 5000#. RIG OUT TESTER. PU AND MEASURE 8 JTS 2.875 N-80 TBG. TAG FILL @ 10635 FT. REVERSE CIRCULATE WELL. RIG UP FCI. WITH TBG TAIL @ 10635 PUMP 5 BBL F/W AHEAD. MIX AND PUMP 86 CU FT, 74 SX, CLASS G CEMENT DISPLACE WITH 66 BBL L/W. PULL 30 JTS REVERSE OUT. CLOSE IN WELL EST TOC = 10,200 FT. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, F. NEESE, APPRVD TAG @ 10635 FT AND APPRVD PUMPING CEMENT FROM 10635 - 10359 FT.

10/12/95
OPEN WELL (NO PSI). RIH, TAG CEMENT TOP @ 10290 FT. TEST CSG INTEGRITY TO 500# FOR 5 MIN. RIG UP CEMENTERS. MIX & PUMP 150 BBL 9.7 PPG P&A MUD. DISPLACE WITH 37.5 BBL L/W @ 500#. PULL AND LAY DOWN 137 JTS 2.875 INCH TBG. REVERSE CIRC WELL. RIG UP CEMENTERS. TEST LINES 300 LOW, 3000# HIGH. MIX & PUMP 22 CU FT, 15 SX, CLASS G CEMENT WITH 4% GEL. TBG TAIL 6411 FT DISPLACE WITH 37 BBL L/W @ 600#. PULL AND LAY DOWN 5 JTS 2.875 INCH TBG. REVERSE CIRC. CLOSE IN WELL.

10/13/95
OPEN WELL (NO PRESSURE). RIG UP CEMENTERS. MIX & PUMP 85 BBL 9.7 PPG P&A MUD FROM 6311-4100 FT. DISPLACE WITH 24 BBL L/W. PULL AND LAY DOWN 70 JTS. PULL 3+0. RIG UP KFE WIRELINE. RIH WITH 10 FT 40 SHOT LINK JET PERFORATOR. SHOOT HOLES FROM 4090-4100 FT. POOH. RIH WITH 3+0 TBG TAIL @ 4117 FT. RIG UP CEMENTERS. TEST LINES 300# LOW, 3000# HIGH. PUMP 5 BBL F/W AHEAD. MIX & PUMP 49 CF 33 SX, CLASS G CEMENT W/4% GEL. DISPLACE WITH 23 BBL L/W. PULL 10+0 REVERSE OUT. RIG UP CEMENTER. SQUEEZE AWAY 3.5 BBL @ 800#. CLOSE IN WELL ESTIMATED TOP OF CEMENT 4007 FT.

OG103(8/93/GSR1/5M)

3

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SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

RECEIVED
NOV 3 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 NENHALL CORPORATION 1, Sec. 24, T 4N, R 17W, S.B. B. & M.

A.P.I. No. 0403706359 Name Julie H. Mitchell (Person submitting report) Title Staff Office Assistant (President, Secretary or Agent)

Date 10/23, 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

10/17/95
RDMO. OPEN WELL, NO PSI. RIH, TAG CMT @ 3730. RIG FCI. MUD FROM 3730 TO 754 FT. POOH, LAY DOWN 109 JTS. PULL 3+0. RIG UP KFE WIRELINE. RIH SHOOT HOLES FROM 764 TO 744 FT 20 FT 80 SHOTS. POOH. RIH W/3+0. WITH TBG TAIL @ 782 FEET RIG UP FCI CEMENTERS. MIX & PUMP 303 CU FT, 263 SX, CLASS G CEMENT WITH 4% GEL DOWN 2.875 INCH TBG UP 7 INCH & 10.75 INCH CSG TO SURFACE. RDMO. CALIFORNIA DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES, STEPHEN MULQUEEN, APPROVED TAG @ 3730.

WELL IS PLUGGED TO SURFACE.

OG103(8/93/GSR1/5M)

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RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. T295-183

Report on Operations

EXXON Corporation
Attn: Env. & Req. Affairs
P.O. Box 1600
Midland, Texas 79702

Ventura, California
November 3, 1995

Your operations at well "Newhall Corporation" 1, API No. 037-06359, Sec. 24, T. 4N, R. 17W, 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 0800 to 0900. There were also present Ken Kennedy, Pool

Present condition of well: 10 3/4" cem 795'; 7" cem 10,640', perf 10,560' WSO (cem off) cp 764' & 4090'; 5 1/2" ld 10,614'-10,899', perfs @ int 10,630'-10,876'. TD 10,901'. Plugged w/ cem 10,633'-10,290', 6411'-6311'+, 4117'-3730' & 782'-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)

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DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CEMENTING/PLUGGING MEMO

T295 - 183

Operator EXXON CORP. Well No. "NEWHALL CORP." 1
API No. 037 - 06359 Sec. 24, T. 4N, R. 17W, SB B&M
Field CASTAIC JUNCTION, County LOS ANGELES. On 10-18-95,
Mr. / ~~Ms.~~ STEVE MULQUEEN, representative of the supervisor, was present from 0800 to 0900.
There were also present KEN KENNEDY
Casing record of well: 10¾" cem 795'; 7" cem 10640', perf 10560' WSO (cem off) cp 764' & 4090'; 5½" ld 10614'-10899', perfs @ int 10630'-10876'. TD 10901'. Plugged w/ cem 10633'-10290', 6411'-6311'±, 4117'-3730' & 782'-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			
*				10-16	TBG @ 4117'	49 cf	4090'↑	3730'	3½ BBL	800	4090'-4100'

Casing/tubing recovered: _____" ~~shot/cut~~ PERFORATE at 4090' TO 4100'; _____' pulled fr. _____';
_____" ~~shot/cut~~ PERFORATE at 764' TO 744'; _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	bbls.	Displaced	Poured	Fill	Engr.
CLAY GEL 9.7#/g	10-12-95	150	TBG @ 10290'	—		REPORTED
"	10-16-95	85	" 6311	—	4100'±	"
			" 3730'		764'±	

CLEAN OUT @ 10635'

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.
10-13-95	86 cf	TBG @ 10633'	—	REPORTED	10290'	—	10/16 —	REPORTED
	22 cf	6411		"	6311'±			
* 10-16-95	49 ~~98~~ cf	TBG @ 4117	—	"	3730'	10X#	10/17 0800	SPM
10-17-95	~~54~~ 202 SX cf	" 782		"	30'	VISUAL	10/18 0800	"

TESTED CASING TO 500# OK ↳ Topped off to surface and cut 5' below grade.

* 7" X 03/4

OGD10 (11/93/GSR1/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P295-002

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
January 10, 1995

Your supplementary proposal to abandon well "Newhall Corporation" 1, A.P.I. No. 037-06359, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ---------- area, 10-A pool, Los Angeles County, dated 12/20/94, received 12/19/94, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT requirements specified in permit No. P292-168, dated June 23, 1992 shall apply.

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)

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DEC 19 1994
NGPA Permits

DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES

WELL STATUS INQUIRY

Ventura, California

December 16, 1994

EXXON Corporation
Attn: Evn. & Reg. Affairs
P.O. Box 1600
Midland, Texas 79702

OGD 121

In a notice dated June 16, 1992, you propose to Abandon well "Newhall Corporation" 1 (037-06359)
Sec. 34, T. 4N, R. 17W, S.B. B. & M., Castaic Junction Field

Please indicate below, conditions or intentions regarding this proposed work and return the completed form to this office within 10 days.
svl

William F. Guerard, Jr.
State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

_____ PROPOSED 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.*)

_____ PROPOSED WORK IS IN PROGRESS AND SHOULD BE COMPLETED ABOUT _____ 19___

X PROPOSED WORK HAS NOT BEEN DONE, BUT WE STILL INTEND TO DO THE WORK.**

____ SUPPLEMENTARY NOTICE (Form OG 123) Attached).

X PLEASE CONSIDER THIS FORM AS A SUPPLEMENTARY NOTICE.

_____ WE DO NOT INTEND TO DO THE PROPOSED WORK. Please cancel our notice to _____, dated _____ 19___.

X OTHER: Current plans are to abandon well in 1995. Field work was deferred during negotiations with landowner/mineral owner, Newhall Land & Farming.

RECEIVED
DEC 27 1994
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
VENTURA, CALIFORNIA

Julie H. Mitchell
(Signature)

Julie H. Mitchell
Staff Office Assistant 12/20/94
(Name and Title) (Date)

* Division 3 of the Public Resources Code states in part:
Section 3215...Well records shall be filed 60 days after completion or suspension of proposed work.

** Section 3203...If operations have not commenced within one year or receipt of the notice, the notice will be considered canceled.
(To prevent cancellation, file a Supplementary Notice with the division)

ODG3 (modified 9/93)

8 8

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

9

9

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.P292-168
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 Corporation" 1, A.P.I. No. 037-06359, Section 24, T. 4N, R. 17W, S.B. B.&M., Castaic Junction field, ------- area, 10-A pool, Los Angeles County, dated 6/16/92, 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 10,899'.
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 10,359 & 650'.
   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.
OGIII

10

10

1/26/92 10-79 85

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 Corp #1~~ "Dewhall Corporation" 1 (Well designation) API No. 037 - ~~16359~~ 06359

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 10,901'

2. Complete casing record, including plugs and perforations
   10-3/4" 40.5# line pipe 0' - 795'
   7", 23#, 26#, 29#, & 32# casing 0' - 10,640'
   - WSO holes @ 10,559' (squeezed)
   5-1/2" 14# liner 10,614' - 10,899'
   - perfs: 10,630'-10,815' & 10,856'-10,876'

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)

Additional Data for dry hole (show depths)

5. Uppermost productive zone:
   Top of 10 Sand: 10,630'
   Base of 10 Sand:

6. Stratigraphic markers:

7. Formation and age at total depth:

8. Base of fresh water sands: 744'

The proposed work is as follows:

1. MIRU. Install and test a DOG class II 5M BOPE.
2. Clean out to liner bottom at 10,899'.
3. Place class "G" cement plug (w/40% silica) from 10,359' to 10,899'. D.O.G. to witness placement and tag.
4. Place 9.62 ppg mud from TOC to 750'.
5. Shoot 20', 4 spf strip shot at 750'. Squeeze class "G" cement plug (w/$CaCl_2$) from 750' 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. Ramelze (Name-Printed)
R W Ramelze (Name-Signature) 1/16/92 (Date)
Type of Organization Corporation

ABD.DOG

//

//

NAME CHANGE: FROM: HUMBLE OIL & REFINING COMPANY

TO: EXXON CORPORATION 1/1/73

SUBMIT LOG IN DUPLICATE

FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

RECEIVED
LOS ANGELES

Operator HUMBLE OIL & REFINING COMPANY Field Castaic Junction

Well No. Newhall Corporation #1 Sec. 24, T. 4 N, R. 17 W, S. B. B. & M.

Location 448' S. 50° 27'8" E. & 467' S. 35° 32'52" W. from the most northerly Corner Pico Project #1, Rancho San Francisco, Los Angeles County, California

Elevation above sea level 1,380 feet.

All depth measurements taken from top of Kelly Bushing, which is 12.35 feet above ground.

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 September 24, 1951

Signed John S. Bell

H. C. Balcom
(Engineer or Geologist)

(Superintendent)

John S. Bell
Title District Superintendent
(President, Secretary or Agent)

Commenced drilling June 8, 1951 Completed drilling August 29, 1951 Drilling tools ~~Cable~~ Rotary

Total depth 10,901' Plugged depth

Junk None

GEOLOGICAL MARKERS	DEPTH
Delmontian	8,433'
Mohnian	10,509'

Commenced producing 8/27/51 (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	455	18.5	None	198	700#	
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 Drilled	Number of Sacks of Cement	Depth of Cement if through perforati
10-3/4	753.70	12.35	42#	2nd Hand	LW	Linepipe	16"	575	--
7	10639.65	12.35	26,29,32, 23	New	Seamless	N-80	9-7/8"	465	--

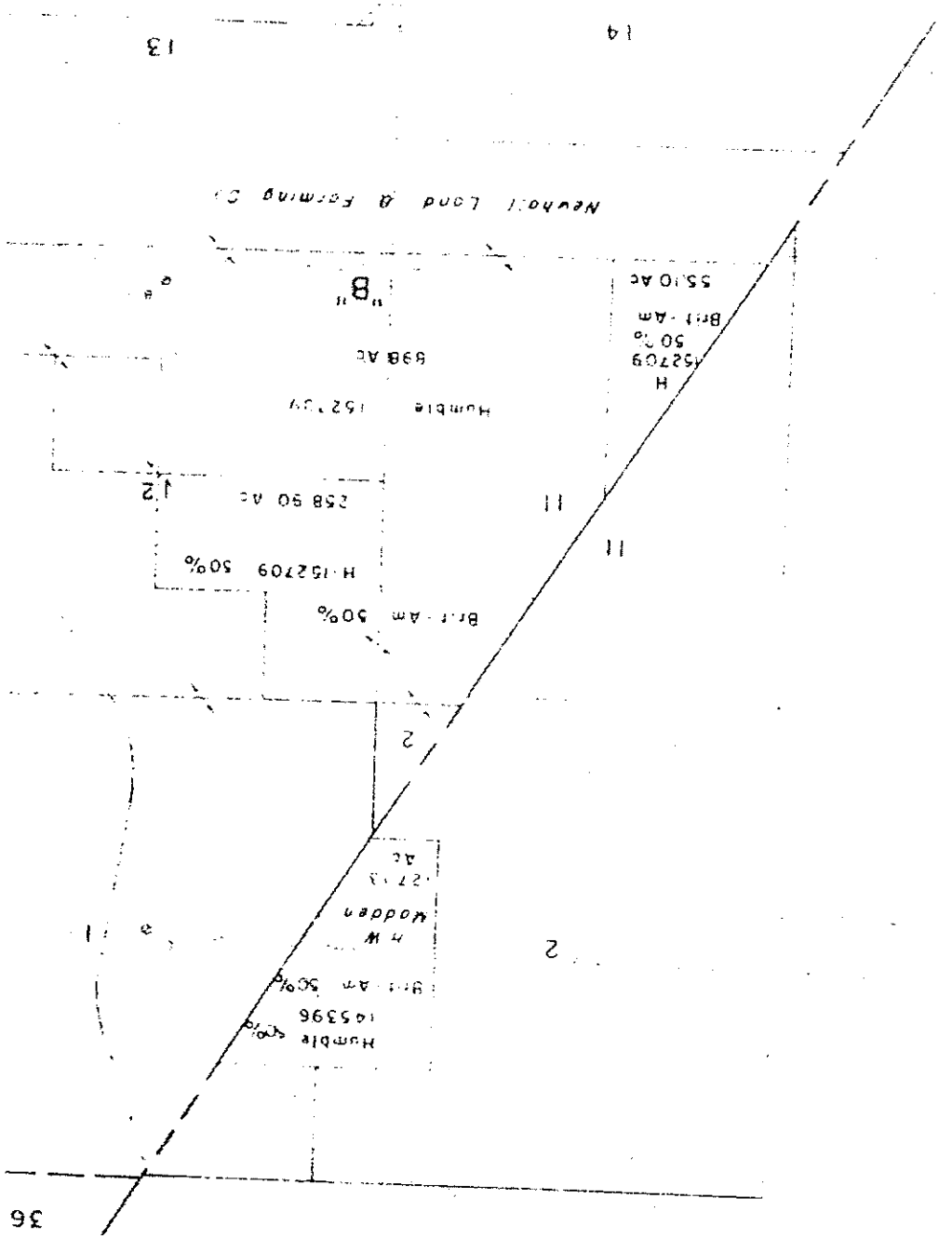
PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
7	10560 ft.	10559 ft.	4 - 1/2" shots for water shut off			Lane Wells cone type
5- Liner	10876 ft.	10856 ft.	192 - 1/4" holes/ft.			Perforated in shop
	ft.	ft.				
5-1/2 Liner	10815 ft.	10640 ft.	192 - 1/4" holes/ft.			Perforated in shop
	10899' ft.	10615' ft.				

13 Electrical Log Depths 1,004, 9,900, 10,900. (Attach Copy of Log) 13

NAME CHANGE: FROM: HUMBLE OIL & REFINING COMPANY

TO: EXXON CORPORATION 1/1/73



1.

FORM 159 (9-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Los Angeles 15, California, March 27, 19 52

Mr John S Bell, Agent
Humble Oil & Refining Company
612 South Flower Street
Los Angeles 17 California

JFM

Dear Sir

Your report of abandonment of Well No. "Newhall Corporation" 2, Sec. 24, T. 4 N, R. 17 W, S B B. & M., Castaic Junction oil field, Los Angeles County, dated March 12, 1952, 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	BOND	POOLS 114	POOLS 121
18	Blanket		

Yours truly

R. D. BUSH
State Oil and Gas Supervisor

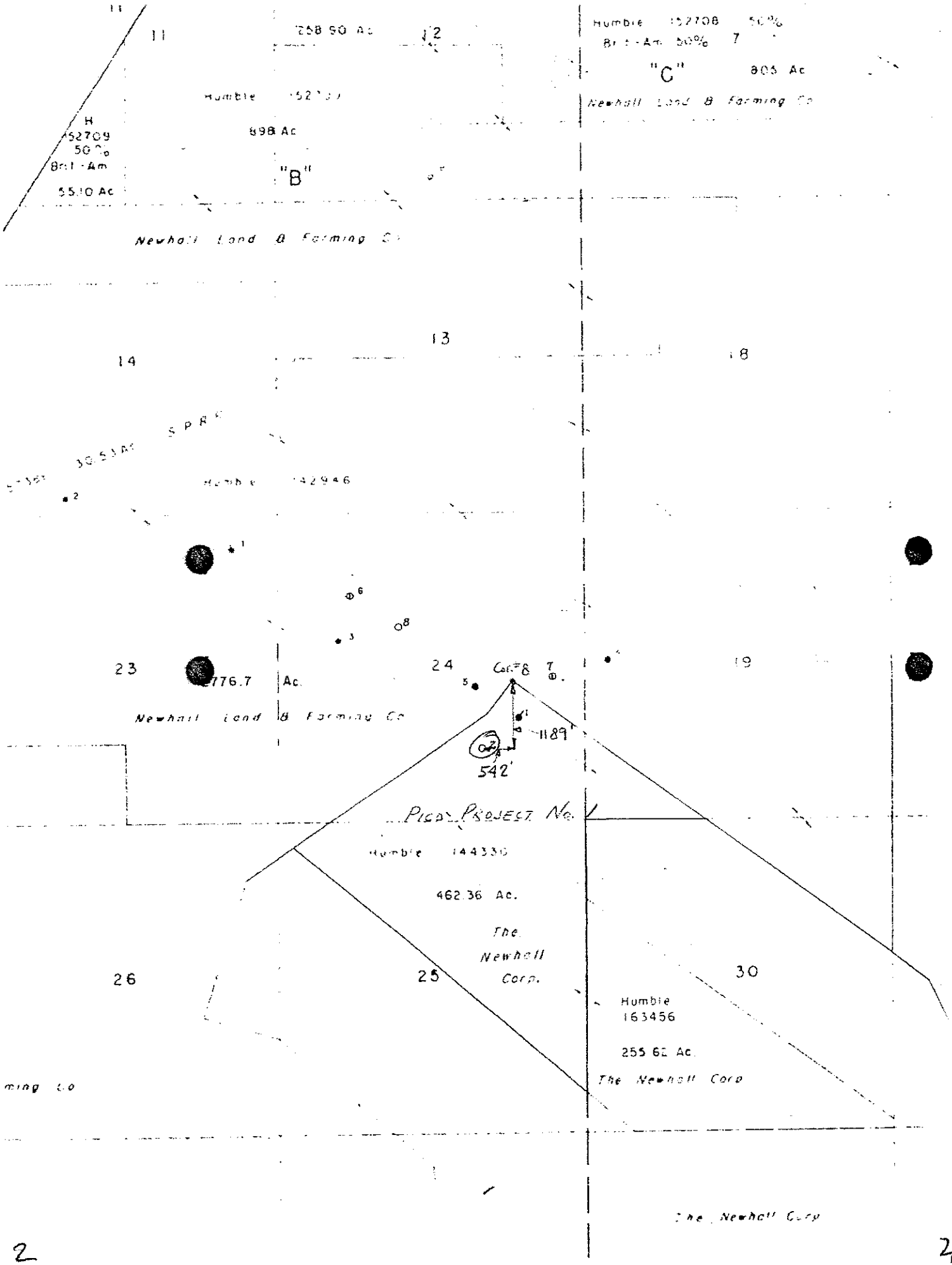
By E. H. Meussen
Deputy Supervisor

cc Mr R D Bush
Company (2)
Mr C J Thrapp
Mr H E Boone

es

15414 9-49 7500 SPO

4



11
12
7
"C"
805 Ac
Newhall Land & Farming Co
H
152709
50%
Brit-Am
5510 Ac
898 Ac
"B"
Newhall Land & Farming Co
13
14
18
S P R R
Humble 142946
23
24
19
776.7 Ac.
Newhall Land & Farming Co
1189'
542'
Pico Project No. 1
Humble 144330
462.36 Ac.
The Newhall Corp.
26
25
30
Humble
163456
255.62 Ac.
The Newhall Corp
The Newhall Corp

2

4

—NOTE—

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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

RECEIVED
MAR 19 1952
LOS ANGELES

WELL SUMMARY REPORT

Operator HUMBLE OIL & REFINING COMPANY Field CASTAIC JUNCTION

Well No. Newhall Corporation #2 Sec. 24, T. 4 N, R. 17 W, S.B. B. & M.

Location 1189' S and 542' W of corner 8, Pico Project #1, Rancho San Francisco, Los Angeles County, California

Elevation above sea level 1367' feet.

All depth measurements taken from top of Kelly Bushing, which is 11.8 feet above ground.

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 3-12-52 Signed

Rex M. Smith (Engineer or Geologist) (Superintendent) Title Asst. District Supt. (President, Secretary or Agent)

Commenced drilling 11/2/51 Completed drilling 1/21/52 Drilling tools Rotary

Total depth 12,634 Plugged depth -

Junk None

GEOLOGICAL MARKERS	DEPTH
Top Delmontian	9200
Top Mohnian	10693

Commenced producing Dry Hole (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	None					
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 Drilled	Number of Sacks of Cement	Depth of Cemen if through perfors
10-3/4	792.52	13.05	40.5#	New	SS	J-55	16"	600	-

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

5 Electrical Log Depths 933, 10293, 10818, 11591, 11938, 12634 (Attach Copy of Log) 8

HUMBLE OIL & REFINING COMPANY CASTAIC JUNCTION

Newhall Corporation #2 S 24 T 4 N R 17 W S.B.B.&M.

March 12, 1952

RECEIVED
LOS ANGELES

L. H. Byrd
Asst. District Supt.

Well drilled with extra heavy power land based rotary rig and conventional derrick.

10/8/51		Location made.
10/9 to 10/23		Building road, preparing location and erecting derrick.
10/24 to 11/1		Rigging up.
11/2	875'	Spudded 12-1/4" hole at 2:00 A.M.
11/3	933	Drilled to 933' and opened 12-1/4" hole to 16" from 0 to 933'. Ran electric log to 933'.
11/4	933	Ran and set 779.47' of 10-3/4" J-55 casing. Casing set at 792.52' using 600 sacks Portland cement and 3 centralizers spaced at 777', 747', and 717'. Cement in place at 5:30 A.M.
11/5	1551	Drilled out float collar, guide shoe at 12:30 P.M. Tested casing and blowout preventer, OK with 1000# pressure 15 minutes. Drilled 9-7/8" hole from 933' to 1551'.
11/6 to 12/3	10271	Drilling. Drill pipe stuck while drilling at 9039' on 11/26. Spotted 30 bbls. oil around pipe and worked free.
12/4	10302	Ran electric log at 10,293'. Made unsuccessful attempt to recover cone off bit with junk basket. Drilled by junk with 9-3/8" bit from 10,293' to 10,295'. Opened 9-3/8" hole to 9-7/8" and drilled to 10,302'.
12/5 to 12/11	10818	Drilling.
12/12	10841	Ran electric log and dipmeter to 10,818'. Took 7 sidewall samples from 8124' to 8185'. Drilled 9-7/8" hole to 10,841'.
12/13	10887	Drilling.

RECEIVED
LOS ANGELES

12/14	10954	Drilled to 10,940' and cored from 10,940' to 10,954' with 6-1/2" diamondhead and wire line equipment.
12/15 to 12/18	11057	Coring.
12/19	11057	Opened 6-1/2" hole to 9-7/8" from 10,940' to 11,020'.
12/20	11059	Ran drill stem test of interval 11,034' to 11,057' using 1/4" bottom and 1" top chokes, 3000' water cushion. Tool open 90 minutes, closed 30 minutes. Good steady blow throughout test. Recovered 6600.5' salt water, 3000' water cushion and 280' rat hole mud. Pressures - initial mud 6400#, final mud 0, minimum flowing 3025#, maximum flowing 4455#, formation pressure 5035#. Opened 6-1/2" hole to 9-7/8" from 11,020' to 11,057' and drilled 11,059'.
12/21 & 12/22	11112	Coring with 6-1/2" diamond head and wire line equipment.
12/23	11148	Opened 6-1/2" hole to 9-7/8" from 11,059' to 11,112' and drilled to 11,148'.
12/24 to 1/2/52	11863	Drilling. Stuck pipe while drilling at 11,241' on 12/26/51. Spotted 30 bbls. oil and worked pipe loose. Ran electric log to 11,591' on 12/30/51.
1/3	11868	Cored with 7-5/8" wire line equipment from 11,863' to 11,868'.
1/4	11887	Coring.
1/5	11926	Cored 11,909'. Opened 7-5/8" hole to 9-7/8" from 11,863' to 11,909' and drilled to 11,926'.
1/6	11976	Drilled to 11,976. Ran electric log to 11,938'.
1/7 to 1/9	12156	Drilling.
1/10	12191	Cored with 7-5/8" wire line equipment from 12,156' to 12,191'.
1/11	12191	Ran drill stem test to test interval from 12,178' to 12,191'. Gas supply failed. Pulled tester.
1/12	12193	Re-ran tester. Packer failed. Pulled tester drilled. Drilled 9-7/8" hole to 12,193'.

RECEIVED
LOS ANGE

1/13	12210	Ran drill stem test to test interval from 12,181' to 12193'. Used 1" top and 1/4" bottom chokes and 3500' water cushion. Tool open 10 minutes. Packer failed. Light blow at surface. Recovered 543' rat hole mud. Pressures - initial mud 6930#, final mud 6980#, minimum flowing 1700#, maximum flowing 1725#, no shut in pressure. Ran 7-5/8" wire line core head. Drilled 2' with center bit to 12,195' and cored from 12,195' to 12,210'.
1/14	12269	Cored to 12,215 and opened 7-5/8" hole to 9-7/8" from 12,193' to 12,215' and drilled to 12,269'.
1/15 to 1/18	12541	Drilling.
1/19	12541	Cored with 7-5/8" wire line equipment from 12,486' to 12,511'. Opened core hole to 9-7/8" and drilled to 12,541'.
1/20	12590	Drilling.
1/21	12634	Drilled to 12,616' and cored with 7-5/8" wire line equipment from 12,616' to 12,634'.
1/22	12634TD	Ran electric log and dipmeter to total depth. Swung drill pipe at 5450' and filled hole with mud from 12,634' to 5450'. Placed cement plug with 125 sacks construction cement from 5450' to 5225'.
1/23	12634TD	Swung open head drill pipe at 892' and filled hole with mud from 5225' to 892'. Placed cement plug with 125 sacks construction cement from 892' to 718'. Location and hardness of plug witnessed and approved by a representative of the Division of Oil & Gas.
1/21	12634TD	Removed blowout preventers and filled hole with mud from 718' to 27'. Placed plug in top of 10-3/4" casing from 27' to 17' with 10 sacks cement. Welded steel plate to top of 10-3/4" casing. Released rig at 2:30 A.M. Well dry and abandoned.

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 152-153

Los Angeles 15, Calif. February 4, 19 52

Mr John S Bell
612 South Flower Street
LOS ANGELES 17, Calif.
Agent for HUMBLE OIL & REFINING COMPANY

DEAR SIR: "Newhall Corporation"

Operations at your well No. 2, Sec. 24, T. 4 N, R. 17 W, S B B. & M., Castaic Junction Field, in Los Angeles County, were witnessed by N. N. Sampson, Inspector, representative of the supervisor, on January 23, 19 52. There was also present G. D. Thompson, Engineer; J. Ortega, Drilling Foreman.

Casing Record	Junk
10-3/4" cem. 792'; T.D. 12634'; plugged with cement 5450'-5225'±, and 892'-718'.	None

The operations were performed for the purpose of witnessing the plugging operations in the process of abandonment.

The inspector arrived at the well at xxxx and Mr. xxxx reported:

INSPECTOR V. F. GAEDE VISITED THE WELL FROM 7:00 - 9:40 P. M., JANUARY 22, 1952, AND MR. Wm. MORRIS, DRILLING SUPERINTENDENT, REPORTED:

1. A 9-7/8" rotary hole was drilled from 792' to 12634'.
2. The 4-1/2" drill pipe was hanging at 5450' preparatory to cementing.

THE INSPECTOR NOTED THAT 125 sacks of cement was pumped into the hole and equalized through the 4-1/2" drill pipe, calculated to fill to 5225'±.

THE INSPECTOR ARRIVED AT THE WELL AT 4:00 P. M. AND MR. THOMPSON REPORTED: On January 23, 1952, 125 sacks of cement was pumped into the hole through drill pipe hanging at 892'.

THE INSPECTOR NOTED THAT the cement plug at the reported depth of 718' supported all of the weight of the drill pipe.

The test was completed at 4:50 p.m.

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

NNS:OH

cc Company (2)

R. D. BUSH
State Oil and Gas Supervisor
By E. H. Meesser Deputy

44226 5-51 14,250 ② SPO

16

2

FORM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 152-122

Los Angeles 15, Calif. January 25, 19 52

Mr. John S Bell
612 S Flower St
Los Angeles 17, Calif.

Agent for HUMBLE OIL & REFINING COMPANY

Dear Sir:

Your proposal to abandon "Newhall Corporation" Well No. 2,

Section 24, T. 4 N, R. 17 W S B, B. & M., Castaic Junction Field, Los Angeles County,

dated Jan 22 19 52, received Jan 23 19 52, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The present condition of the well is as follows:

1. Total depth.
   12,634 feet
2. Complete casing record.
   779.47 feet of 10-3/4 inch 40.5# J-55 seamless steel casing set at 792.52 feet and cemented with 600 sacks cement.
   Dry hole. Well drilled to 12,634 feet without encountering commerical show of oil or gas."
3. Last produced.

PROPOSAL:

"The proposed work is as follows:

1. Fill hole with heavy mud laden fluid 12,634 to 5,450 feet.
2. Place cement plug with 125 sacks 5,450 to 5,225 feet.
3. Fill hole with heavy mud laden fluid 5,225 to 892 feet.
4. Place cement plug with 125 sacks 892 to 692 feet.
5. Fill casing with heavy mud laden fluid 692 to 30 feet.
6. Remove well head and blowout preventer.
7. Place cement plug 30 to 17 feet with 10 sacks.
8. Weld steel plate with valve on top 10-3/4 inch casing and abandon well in that condition."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT THIS DIVISION SHALL BE NOTIFIED TO WITNESS

1. The placing of the proposed cement plug from 5450' to 5225'.
2. The location and hardness of cement plugs at 692' and 17'.

Surface plug waived 1-25-52
Morse called and reported dumping
15 sx at 15' below surface
and filling to 5' below surface.
welded steel cap on 10 3/4
MMS

ERMA:ES

cc Company (2)

Blanket bond.

R. D. BUSH
State Oil and Gas Supervisor

By [signature] Deputy

17

53076 11-51 25,500 SPO

3

FORM 108. 36141 11-50 15M ⓓ SPO

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
JAN 1952
LOS ANGELES

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

Los Angeles Calif. January 22, 1952

DIVISION OF OIL AND GAS

Los Angeles, Calif.

In compliance with Secs. 3228, 3229, 3230, 3231 and 3232, Ch. 93, Stat. 1939, notice is hereby given that it is our intention to abandon well No. Newhall Corporation #2

Sec. 24, T. 4 N, R. 17 W, S. B. B. & M. Castaic Junction Field, Los Angeles County, commencing work on the 22nd day of January, 1952.

The present condition of the well is as follows:

1. Total depth.
   12,634 feet
2. Complete casing record.

   779.47 feet of 10-3/4 inch 40.5# J-55 seamless steel casing set at 792.52 feet and cemented with 600 sacks cement.

3. Last produced. Dry hole. Well drilled to 12,634 feet without encountering commercial show of oil or gas.

Date	Net oil	Gravity	Cut

The proposed work is as follows:

1. Fill hole with heavy mud laden fluid 12,634 to 5,450 feet.
2. Place cement plug with 125 sacks 5,450 to 5,225 feet.
3. Fill hole with heavy mud laden fluid 5,225 to 892 feet.
4. Place cement plug with 125 sacks 892 to 692 feet.
5. Fill casing with heavy mud laden fluid 692 to 30 feet.
6. Remove well head and blowout preventer.
7. Place cement plug 30 to 17 feet with 10 sacks.
8. Weld steel plate with valve on top 10-3/4 inch casing and abandon well in that condition.

Abandon

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
		EC	Blanket	EB	GB

JAP/vm

HUMBLE OIL & REFINING COMPANY
(Name of Operator)

By John S. Bell
John S. Bell, District Supt.

ADDRESS ONE COPY OF NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

8

4

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS
Special Report on Operations Witnessed

No. T 1-53742

Los Angeles 15, Calif. November 15, 1951

Mr John S Bell
612 South Flower Street
LOS ANGELES 17 Calif.
Agent for HUMBLE OIL & REFINING COMPANY

DEAR SIR:

Operations at your well No. "Newhall Corporation" 2 Sec. 24, T. 4 N, R. 17 W, S B B. & M., Castaic Junction Field, in Los Angeles County, were witnessed by N. N. Sampson, Inspector, representative of the supervisor, on November 5, 19 51. There was also present J. Ortega, Drilling Foreman; W. J. Hayes, Driller.

Casing Record	Junk
10-3/4" cem. 792', T.D. 1113'.	None

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 2:00 p.m. and Mr. Ortega reported:

1. A 16" rotary hole was drilled from the surface to 792'.
2. On November 4, 1951, 10-3/4", 40.5 lb. casing was cemented at 792' with 600 sacks of ce
3. Cement returned to the surface.
4. A 9-7/8" rotary hole was drilled from 792' to 1113'.

THE INSPECTOR NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole, and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 2" mud fill-up line with a 2" high pressure stopcock into the 10-3/4" casing below th above equipment.

The inspection was completed at 2:20 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

NNS:OH

cc Company (2)

R. D. BUSH
State Oil and Gas Supervisor
By E. H. Meussen Deputy

44226 5-51 14,250 SPO

19

5

FORM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

D

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 1-50692

Los Angeles 15 Calif. October 18 19 51

MR. John S. Bell
612 South Flower Street
LOS ANGELES 17 Calif.

Agent for HUMBLE OIL & REFINING COMPANY

DEAR SIR:

Your proposal to drill Well No. "Newhall Corporation" 2

Section 24, T. 4 N., R. 17 W., S B B. & M., Castaic Junction Field, Los Angeles County,

dated Oct. 12 19 51, received Oct. 15 19 51, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES

"Location of Well:
1189 feet South and 542 feet West of Corner 8, Pico Project #1, Rancho San Francisco, Los Angeles County, California.
Elevation of ground above sea level 1367 feet.
All depth measurements taken from top of Kelly bushing which is 11 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	700	Cemented to surface
7	26, 29, 32, 35	N-80	0	11000	Cemented 11000 to 900(feet

Intended zone or zones of completion:

Name	Perforated Interval
Zone 10 of Mohian	11000 to 11200 feet

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. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed and approved by this division.
2. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.
3. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 1500'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

EHMA:OH

cc Company (2)

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

43265 4-51 25M SPO

20 6

FORM 105

037-16471

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

(D)

DIVISION OF OIL & GAS
RECEIVED
OCT 15 1951
15
LOS ANGELES

Los Angeles Calif. October 12, 19 51

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 drilling well No. "Newhall Corporation" #2, Sec. 24, T. 4 N, SW

R. 17 W., S. B. B. & M., Castaic Junction Field, Los Angeles County.

Legal description of lease See attached sketch
(Attach map or plat to scale)

(24-4N-17W SE Cor Sec)

Location of Well: 1189 feet South and 542 feet West of Corner 8, Pico Project #1,
(Give exact footage from section corners or other legal subdivision or streets)
Rancho San Francisco, Los Angeles County, California.

Elevation of ground above sea level 1367 feet.

All depth measurements taken from top of Kelly bushing which is 11 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	700	Cemented to surface
7	26, 29, 32, 35	N-80	0	11000	Cemented 11000 to 9000 feet

Intended zone or zones of completion:

NAME	PERFORATED INTERVAL
Zone 10 of Mohnian	11000 to 11200 feet

Orig + 2 cc - Humble Ltr

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
NA	R.W.B.		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 6-7701

HUMBLE OIL & REFINING COMPANY
(Name of Operator)

By John S. Bell
John S. Bell, District Supt.

SEND ONE COPY OF NOTICE TO DIVISION OFFICE IN DISTRICT WHERE WELL IS LOCATED

21

7

OPERATOR EXXON
LSE & NO Newhall Corp B 1
MAP 253

	(1)	(2)	(3)	( )	( )	( )
INTENTION	DRILL	REWORK	CONV TO W.F.	add		
NOTICE DATED	10-18-54	11-25-58	4-7-67	12-19-87		
P-REPORT NUMBER	154-1261	158-828	167-469	287-464		
CHECKED BY/DATE						
MAP LETTER DATED		N/C	N/C	pmc 12/13/88		
SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	10-19-54		11-26-58		4-5-67		12-23-87					
HISTORY	12-21-55 4-23-55		11-14-58				11/3/88					
SUMMARY	12-21-55 4-23-55											
IES/ELECTRIC LOG												
DIRECTIONAL SURV	NO DATE											
CORE/SWS DESCRIP												
OTHER												
RECORDS COMPLETE							pmc					

CANCELLED

ENGINEERING CHECK

T-REPORTS
OPERATOR'S NAME
WELL DESIGNATION
LOC & ELEV
SIGNATURE
SURFACE INSPECTION SPM 2-3-88
FINAL LETTER OK

CLERICAL CHECK

POSTED TO 121 _____ 170 MAILED _____

FINAL LETTER MAILED _____

RELEASED BOND _____

REMARKS: SURFACE INSP. OK. 2-3-88 S. MULQUEEN

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Ventura, California

November 10, 1988

C. G. Lyons, Agent
EXXON CORPORATION
P.O. Box 5025
Thousand Oaks, CA 91359

Your report of abandonment of well "Newhall Corporation" 3 (Name and number)
037
A.P.I. No. ~~111~~-06298, Section 24, T. 4N, R. 17W, S.B. B. & M.,
Castaic Junction field, Los Angeles County,
dated November 2, 1988, received November 3, 1988, 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 BOOK	CARDS	BOND	EDP	FORMS 114	FORMS 121
253	1pmc 12/3/88			✓		✓

M. G. MEFFERD
State Oil and Gas Supervisor

By Patrick J. Kinnear
Deputy Supervisor

Patrick J. Kinnear

ljg
Conns.Comm.

OG159 (11/82/CSR1/8M)

2

7

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

ORIGINAL

DIVISION OF OIL AND G...
RECEIVED

NOV - 3 1988

VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator Exxon Corporation Field Castaic Junction County Los Angeles

Well Newhall Land & Farming 3, Sec. 24, T 4N, R 17W, S.B.B. & M.

A.P.I. No. 04-037-06298 Name Myron E. Fedak (Person submitting report) Title Supervisor (President, Secretary or Agent)

Date NOV. 2, 19 88

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

1-14-88 Moved in and rigged up. Buried 4 marsh anchors. Bled well down, oil flowing in cellar. Rigged to flow well into vacuum truck. Rigged casing through header with 1400 psi. Bled well down to vacuum truck, recovering 75 barrels. Rigged pump to tubing and pumped 25 barrels lease water down tubing. Pressured up and bled well down. Closed in well.

15-88 Serviced rig. Bled well down, 480 psi on casing and 400 psi on tubing. Rigged pump and pumped lease water down tubing and casing returns to tank. Removed Wilis beam from production tree. Flanged up line diverter to top of master valve. Pumped 250 barrels lease water down tubing, with 250 barrels oil returned from casing. Well dead. Unflanged head, found tubing hung on flange; no lifter. Closed in well.

1-16-88
through
1-17-88 No well work.

1-18-88 Serviced equipment. No pressure on well. Rigged and circulated well free of gas. Removed head and unlanded tubing. Removed landing flange and stripped on BOP. Rigged up and tested BOP at 1500 psi, OK. Worked Guiberson L-30 packer loose. Rigged floor, pulled and measured tubing. Broke out gas valves, found rubber gone from packer. Ran tubing open ended. Closed in well.

ORIGINAL

9-88 Serviced equipment. Finished running tubing. Measured and picked up 7 joints 2-3/8" tubing. Tagged fill at 11,064', no fill. Rigged and backscuttled well clean from 11,037'. Rigged up B. J. Hughes cementers. Mixed and pumped 39 sacks cement. Plugged on bottom from 11,064' to 10,750'. Pulled 16 doubles. Rigged and backscuttled tubing clear from 10,000' to 0'. Rigged and cleaned shaker tank with vacuum trucks to clean cellar. Closed in well.

1-21-88 Serviced equipment. Pulled and laid down 6 singles, stood back and measured 13 doubles. Filled casing with mud. Rigged Tiger wireline and shot hole at 780'. Rigged up B. J. Hughes cementers and squeezed away 83 sacks neat cement. Closed in well.

1-22-88 Serviced equipment. Rigged, ran 11 doubles of 2-3/8" tubing and tagged cement at 630'. Fell through bridge and stopped at 707'; OK. Pulled and laid down 24 singles 2-3/8" EU 8rd tubing. Rigged Tiger wireline and shot holes at 100'. Rigged up B. J. Hughes and cemented well from 100' to surface. Rigged down B. J. Hughes and loaded out tools. R. Wilkes of the Division of Oil and Gas witnessed and approved all cement plugs. Rigged down and moved off.

4

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

No. T 288-20

DIVISION OF OIL AND GAS

Report on Operations

C. G. Lyons, Agent
EXXON Corporation
P.O. Box 5025
Thousand Oaks, CA 91359

Ventura, Calif.
Jan. 26, 1988

Your operations at well "Newhall Corporation" 3, API No. 037-06298, Sec. 24, T. 4N, R. 17W SB B.& M. Castaic Junction Field, in Los Angeles County, were witnessed on 1/22/88. Bill Winkler, representative of the supervisor, was present from 0700 to 1100. There were also present Marion Blair.

Present condition of well: 10-3/4" cem 767'; 5 1/2" cem 11,109', cp 9586', perf 10850' WSO, perf 10933-11025'. TD 11250', plugged w/cem 11050-10698', 780-705' and 100' to 5' including 10 3/4" X 5 1/2" Annulus, Fr 760-±650' and 100' to 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

5 OG109 (3/83/GSR1/15M)

5

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 287-464

126 (field code)
00 (area code)
05 (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
December 28, 1987

Your _____ proposal to abandon well "Newhall Corporation" 3, A.P.I. No. 037-06298, Section 24, T. 4N, R. 17W, S.B. B. & M., Castaic Junction field, any area, Zone 10 pool, Los Angeles County, dated 12/19/87, received 12/23/87 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. 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.
4. 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.
5. THIS DIVISION SHALL BE NOTIFIED:
   a. TO WITNESS the location and hardness of the cement plug at 10750' or above.
   b. TO WITNESS the location and hardness of the cement plug at 680'±.
   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 WITNESS the placing of the surface plug or to verify its location.

NOTE: SAND CONCENTRATIONS IN SAND-CEMENT SLURRIES SHOULD NOT EXCEED 20 PERCENT, BY WEIGHT, OF CEMENT. THE USE OF AGGREGATE OR CONCRETE SLURRIES WILL NOT BE APPROVED.

SURFACE INSP. OK 2-3-88 S. MULQUEEN

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.

6 6

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
DEC 23 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	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 Corp. #3, API No. 04-037-06298, Sec. 24, T. 4N, R. 17W, ____ B. & M., Castaic Junction Field, Los Angeles County, commencing work on ____, 19__.

The present condition of the well is:

1. Total depth: 11250'

2. Complete casing record, including plugs and perforations:

10-3/4", 40.5 ppf csg at 767'
5-1/2", 15.5 & 17 ppf csg at 11,109'
WSO squeezed at 10,850'
Cement plug from 11064'-11,250'
Cement squeezed perf at 9585'-9586'

3. Last produced 12/61 (Date) 3 (Oil, B/D) 0 (Gas, Mcf/D) 18 (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 BOP's. Test same.
3. Attempt to pull packer and tubing out of the well.
   A. If successful, clean out well to 11,064'. Spot a balanced cement plug from 10,720' to 11,064'.
   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 5-1/2" casing at 780' +/-.
7. Spot a balanced cement plug from 600' to 780' +/-. 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.

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) 12/19/87 (Date)
Type of Organization Corporation (Corporation, Partnership, Individual, etc.)

OG108 (8-75—GSRI—15M)

7 7

OPERATOR EXXON

FIELD Castaic Junction

WELL # Newhall Corporation "3"

10 3/4" cem 767'

cp 9586' sq 50 sx

calc TOC 9855

perfs 10850-51' WSD

perfs 10933-11025'

5 1/2" cem 11,109'

BFW ≅ 400'

8

FORM 157

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Santa Paula California

March 20, 1979

Mr. E. C. Hutchinson, Agent
Exxon Corporation
P. O. Box 7033
Long Beach, CA 90807

DEAR SIR:

Your request from Mr. Ralph Primerano dated March 9, 1979, relative to change in designation of well(s) in Sec. 24, T. 4N, R. 17W, S. B. B. & M., Castaic Junction field, Los Angeles County, District No. 2, has been received; and in accordance with Section 3203, Public Resources Code, reading in part as follows:

> "* * * The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor."

the proposed change in designation is hereby authorized as follows:

FROM:	TO:
"Newhall Corporation B" 1 (037-06298)	"Newhall Corporation" ~~2~~ 3 (037-06298)

M. G. MEFFERD
~~JOHN F. MATTHEWS, JR.~~
State Oil and Gas Supervisor

By [signature]
John L. Hardoin, *Deputy Supervisor*

9 59810-705 1-72 5M © CSP 9

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF CORRECTION OR CANCELLATION

Santa Paula California

June 15, 1978

Mr. J. H. Steele, Agent
Exxon Corporation
P. O. Box 7033
Long Beach, CA 90807

In accordance with telephone request of 5/31/78

the following change pertaining to your well "Newhall Corporation B" 1,
(037-06298) Castaic Junction field, Los Angeles County,
Sec. 24, T. 4N, R. 17W, S.B. B. & M., is being made in our records:

☐ The corrected location is

☐ The corrected elevation is

☐ Report No. , dated , has been corrected as follows:

☒ Your notice to convert to water flood (Drill, abandon, etc.) dated April 7, 1967, and our report No. P167-469, issued in answer thereto, are hereby cancelled inasmuch as the work will not be done. If you have a drilling bond on file covering this notice it will be returned. No request for such return is necessary.

☐ Other:

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
		—	—	—	✓

State Oil and Gas Supervisor

By John L. Hardoin, Deputy Supervisor

OG 165 (1-77-GSRI-3M)

10

11

NAME CHANGE: FROM: HUMBLE OIL & REFINING COMPANY

TO: EXXON CORPORATION 1/1/73

HUMBLE OIL & REFINING COMPANY

P. O. Box 7033
Long Beach, California 90807

DIVISION OF OIL AND GAS
RECEIVED
NOV 14 1968
INGLEWOOD, CALIFORNIA

November 13, 1968

Re: Well Records
Newhall Corporation "B" 1
Castaic Junction Field

Mr. A. D. Stockton
Division of Oil and Gas
830 North La Brea Avenue
Inglewood, California 90302

Dear Mr. Stockton:

In reply to your Notice of Records Due dated November 6, the above referenced well has not been converted to water injection as of this date. Conversion is being deferred for completion of land negotiations with the lessors.

Yours very truly,

HUMBLE OIL & REFINING COMPANY

B. M. Sullivan

B. M. Sullivan
District Superintendent

OWP:wb

FORM 170

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

NOTICE OF RECORDS DUE

830 N. La Brea
Inglewood, Calif.

November 6, 1968

FOLLOW-UP
12 months
2-6-69
6-6-69
6-6-70
6-6-71
6-6-72

MR. B. M. Sullivan, Agent
Humble Oil & Ref. Co.
P. O. Box 7033
Long Beach, Calif.

Dear Sir:

In accordance with Division 3 of the Public Resources Code of California the following records are due, covering the convert to water flood (your notice dated 4-7-67)

of your well (~~X~~) No. "Newhall Corporation B" 1

Sec. 24, Tp. 4N, R. 17W, S B B. & M., Castaic Junction
(Field or County)

- ☐ Well summary (Form 100)
- ☐ Drillers log (Form 101) NOTE: Not required if electric log is filed.
- ☐ Core record (Form 101)
- ☒ History (Form 103)
- ☐ Electric log: One copy each, 1" = 50 ft. and 1" = 100 ft.
- ☐ Production report (Form 110) for months of
- ☐ Other:

These records should be submitted *in duplicate* as soon as possible.

Please be sure that the records are signed in the spaces provided.

ADS:rk
cc B. M. Sullivan

JOHN F. MATTHEWS, JR.
Deputy Supervisor

A. D. Stockton
Associate Oil & Gas Engineer

24235-705 8-68 5M OSP

13

13

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

F.E. Armijo, Agent
Oryx Energy Company
25322 W. Rye Canyon Road
P.O. Box 55060
Valencia, CA. 91355

Ventura, California
March 29, 1990

Your report of abandonment of well "Newhall Corporation-Wolfson" 1, A.P.I. No. 037-12613, Section 26, T. 4N, R. 17W, SB B.&M., Newhall Potrero field, Los Angeles County, dated 3-2-90, received 3-7-90, 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.

AREA	MAP BOOK	CARDS	BOND	ED/P	FORMS 114	FORMS 121
253	Spm	—	BB	mio	—	✓

cc: Conservation Committee
Update
bb

M.G. MEFFERD, State Oil and Gas Supervisor

By for Patrick J. Kinnear, Deputy Supervisor

OG159

OPERATOR Oryx Energy Co.
WELL NO. "Nethuall Corp-Watson" 1
MAP

INTENTION	Abd					
NOTICE DATED	10/30/89					
P-REPORT NUMBER	289-413					
CHECKED BY/DATE	SPM 5-2-90					
MAP LETTER DATED	5-5-90					
SYMBOL	⊕ (45-9505)					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	10/31/89											
HISTORY	3-7-90											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV	✓					
SIGNATURE	✓					
SURFACE INSP.	12/11/89 BH					
DRILL CARD						

RECORD'S COMPLETE _____
Not in edp 12/89

INJECTION BOOK _____
IDLE WELL LIST _____
SURFACE INSP. CARD _____
OK TO RELEASE FROM CONFIDENTIAL _____

REMARKS: _____

FINAL LETTER _____ OK _____
MAILED _____
RELEASED BOND _____

SION OF OIL AND
RECEIVED
MAR 7 1990
NTURA, CALIFORNIA

SUBMIT IN DUPLICATE

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator ORYX ENERGY COMPANY Field or County Newhall-Potrero
Well Newhall Corp-Wolfs TR 1 #1 Sec. 26, T 4N, R 17W, SB B. & M.
A.P.I. No. 04-111-12613 Name F. E. ARMIJO (Person submitting report) Title Agent (President, Secretary or Agent)
Date 3-2, 1990

Signature F. E. Armijo

Box 55060, Valencia, California 91355-0560 (Address) (805) 257-6200 (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

P&A, OTHER
13-3/8" CSG TO 315'/PBTD 220'/OH TO 9508'/LA COUNTY, CA/P# 865628/
WELL PLUGGED AND ABANDONED IN 1945/REPLUGGING ACCORDING TO DOG 1989
STANDARDS/

11/09/89
*** FIRST REPORT ***
11-6-89/DRIVE RIG TO LOCATION/SPOT RIG/MATTS/TIMBERS/
11-7-89/MIRU/SPOT PIPE/BURY ANCHORS/SPOT MUD PUMP/BOP/DC'S/COMPACT ROAD
INTO LOCATION/

11/10/89
11-8-89/RIH W/9-7/8" BIT, 6" D.C.'S TO 196'/TAG FILL/ATTEMPT TO CIRC/
WELDER REPAIR LEAK AROUND FLANGE/ATTEMPT TO CIRC GETTING RETURNS AT
SURFACE OUTSIDE CONDUCTOR PIPE/SDFN/PREP TO PUMP CMT W/CURRENT CONDITIONS
TO FILL VOID OUTSIDE CONDUCTOR/

11/11/89
11-9-89/RU BJ/BJ PUMP 40 CU FT "G" CMT/13-5/8" CSG PARTED APPROX 1' INTO
CONDUCTOR PIPE/REMOVE BOP/DUG OUT CELLAR IN ATTEMPT TO LOCATE HOLE IN
CONDUCTOR PIPE/SDFN

11/12/89
11-10-89/WELD 13-3/8" CSG STUB BACK ONTO WELLHEAD/RIH W/2-6" DC'S &
9-7/8" BIT/TAG AT 60'/FELL THROUGH/CONT IN HOLE TO 196'/EST CIRC-NO LEAKS/
DRILL OUT OLD CMT 196'-122' @ 10' PER HR/CIRC CLEAN/LAY DOWN PWR SWVL/
SDFN/

11/13/89
11-11-89/PU PWR SWVL & 1 JT TBG/DRILL TO 226'/GOT RETURNS OUT OF GROUND

11/14/89
SDFWE/

11/15/89
11-13-89/POH LAYING DOWN TWO 6" DC'S/BREAK OFF 9-7/8" BIT/LAYED DOWN FOUR JTS 3-1/2 TBG/REMOVE B.O.P./SPOT H&H TRAILER W/2-7/8" TBG & 4 - 3-1/8" DC'S/

11/16/89
11-14-89/RIH W/226' 5-1/2 15.5# FJ CSG SET ON BOTTOM (TWO CENTRALIZERS @ 10' & 30' FROM BTM)/RU BJ & BREAK CIRC DOWN 5-1/2" CSG AND UP 13 3/8" CSG/ BJ PUMP 170 CU FT (149 SX) CLASS "G" CEMENT W/2% CACL FOLLOWED BY BJ PLUG/ DISPLACED W/26 CU FT FRESH WATER/SHUT IN CSG VLV/MAX RATE 2 BPM/MAX PRESS 100 PSI/MIN RATE .5 BPM/MIN PRESS 0 PSI/

11/17/89
11-15-89/TAG CMT IN 5-1/2" - 13-3/8" ANNULUS @ 15'/CUT OFF 5-1/2" BELOW 13-3/8" FLANGE/INSTALL BOP ON 13-3/8"/TEST LEAKING OUT 13-3/8"/REMOVE BOP/WELD STABILIZING ARMS ONTO 5-1/2" AND 5-1/2 - 6-5/8" 8R X-OVER TO 5-1/2" CSG/INSTALL FLANGE AND MECH GATE BOP/RIH W/4 - 3-1/8" DC'S & 4-3/4" BIT TO 145'/TAG CMT PLUG/INSTALL STRIPPER CAGE & PWR SWVL/BREAK CIRC (DOWN TBG - UP 5-1/2")/SDFN/

11/18/89
11-16-89/BREAK CIRC/DRILL OUT 145'-360'/BROKE THROUGH CMT @ 345'/PUSHING PLUG/CIRC HOLE/GETTING ROCKS & GRAVEL IN RETURNS/PU TO 300' (INTO 13-3/8")/ SDFN/

11/19/89
11-19-89/RIH AND TAG @ 360'/CIRC DOWN TO 600'/POH W/TBG, DC'S BIT/RIH W/SAWTOOTH CLR AND 2-7/8" TBG/CIRC DOWN TO 1009'/HOLE BEGAN TAKING WATER AND TBG PLUGGING W/SAND & ROCKS/ATTEMPT CONV CIRC/UNABLE TO LIFT FILL TO SURFACE/ ATTEMPT TO REVERSE OUT FILL-HOLE TAKING WATER AND GETTING VERY LITTLE RETURNS/CIRC WELL/POH/SDFN/

11/20/89
11-18-89SDFWE

11/21/89
11-19-89/SDFWE

11/22/89
11-20-89/MIRU FOAM AIR/RIH W/SAWTOOTH CLR & 2-7/8" TBG TO 500'/ATTEMPT TO FOAM UP/WATER ENTRY TOO GREAT FOR GOOD FOAM/RIH TO 1009'/CLEAN OUT TO 1595' & CIRC CLEAN/WELL FLOWING WATER/PUMP 100 BBL 74#/CF MUD DOWN TBG/WELL CONT. TO FLOW WATER/POH W/TBG & SAWTOOTH CLR/RD FOAMAIR/ RIH TO 1595'/RU BJ/BREAK CIRC/BJ PUMP 265 CU FT (234 SX) CLASS "G" CMT W/2% CACL DISPLACED W/38 CU FT FW/POH/RD BJ/EST. TOP OF CMT-1195'/

11/23/89
11-21-89/RIH & TAG CMT @ 1355' (DOG WITNESS)/POH LAYING DOWN TBG AND STAND BACK SIX STANDS/LAY DOWN 3-1/8" DC'S/RIH TO 365'/BREAK CIRC/BJ PUMPED 250 SX (284 CU FT)CLASS "G" CMT W/2% CACL/ATTEMPTED TO CIRC CMT TO SURFACE/NO RETURNS/POH SDFN/DOG (STEVE MULQUEEN) OK'D NOT MUDDING UP AT 365' SINCE FRESH WATER ZONE WOULD TAKE IT/

11/24/89
11-22-89/RIH TAG CMT @ 120'/LAY DOWN EXCESS TBG/RU BJ W/TBG @ 120'/ BJ PUMP 80 SX "G" CMT W/2% CACL/CIRC CMT IN 5-1/2" AND 13-3/8 (TO 15')/ RD BJ/REMOVE BOP/RDMO/

11/25/89
11-23-89/DROP WELL FROM REPORT PENDING SURFACE ABANDONMENT/

11/26/89
DROPPED FROM REPORT 11-23-89/

12/13/89
*** FINAL REPORT ***
11-27-89/TOP OFF CMT/DUG OUT CELLAR/CUT OFF CSG 6' BELOW SURFACE/WELDED CAP ON WELL/CLEAN OUT LOCATION W/BULLDOZER AND SKIP LOADER/
12-11-89/DOG APPROVED SURFACE ABANDONMENT/

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T 289-379

REPORT ON OPERATIONS

F.E. Armijo, Agent
Oryx Energy Company
25322 W. Rye Canyon Road
P.O. Box 55060
Valencia, CA. 91355

Ventura, California
December 5, 1989

Your operations at well "Newhall Corp.-Wolfson" 1, API No. 037-12613, Sec. 26, T. 4N, R. 17W, S.B.B.&M. Newhall Potrero Field, in Los Angeles County, were witnessed on 11/22/89. Pam Ceccarelli, representative of the supervisor, was present from 0900 to 1000. There were also present Ken Kennedy.

Present condition of well: 13 3/8" cem 315'; 5 1/2" cem 226'. TD 9508'. Plugged w/cem 1595'-1355' & 365'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

ljg

SURF INSP OK 12/11/89 BH

M.G. MEFFERD, 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. P289-413
Field Code 000
Area Code 000
New Pool Code 00
Old Pool Code 00

PERMIT TO CONDUCT WELL OPERATIONS

F.E. Armijo, Agent
Oryx Energy Company
25322 W. Rye Canyon Road
P.O. Box 55060
Valencia, CA. 91355

Ventura, California
November 8, 1989

Your proposal to abandon well "Newhall Corp.-Wolfson"1, A.P.I. No. 037-12613, Section 26, T. 4N, R. 17W, S.B. B.&M., Newhall-Potrero field, any area, no breakdown pool, Los Angeles County, dated 10/30/89 received 10/31/89, 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 1600'.
4. The well shall be plugged with cement from 1600' to 1400' and 265' to surface.
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 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 1400',and 265'.
   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.

bb

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

SION OF OIL AND
RECEIVED
OCT 3 1 1989
ENTURA, 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 NEWHALL CORPORATION WOLFSON #1, API No. N/A 037-12613

Sec. 26, T. 4N, R. 17W, S.B. B. & M., NEWHALL POTRERO Field, LOS ANGELES County.

commencing work on NOVEMBER 6, 19 89.

The present condition of the well is: Abandon

1. Total depth: 9508' TD

2. Complete casing record, including plugs and perforations:

See Attached

3. Last produced Well was plugged 10-45 (Date) (Oil, B/D) (Gas, Mcf/D) (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: N/A

The proposed work is as follows:

To meet 1989 regulations, Oryx plans to replug this well. See attached procedures.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 25322 W. Rye Canyon Road (Street)

Valencia, (City) California (State) 91355 (Zip)

Telephone Number (805) 257-6200 (Area Code) (Number)

ORYX ENERGY COMPANY (Name of Operator)

By F.E. Armijo (Print Name)

F.E. Armijo by CSB (Signature) 10-30-89 (Date)

OG108 (11-78-GSRI-5M)

RECOMMENDED WORK PROCEDURE Sun—5036-3-C

WELL NAME	FIELD NAME	COUNTY	STATE
NCW #1	Newhall-Potrero	Los Angeles	CA

PERMANENT ZERO POINT	UPPERMOST PLUG	RETAINER
Elev. 1269'	220' cmt	

	SIZE & WEIGHT PROD	DEPTH SET	PACKER DEPTH (TOP) & TYPE	(1)	(2)	(3)
CASING	13-3/8"	315'				

	SIZE, WEIGHT, GRADE, ETC.	DEPTH SET	TOP OF CEMENT BEHIND PROD CSG.	CALCULATED	LOG
TUBING					

	DEPTH SET	PERFS

PROCEDURE | **RIG TIME**

1. MIRU coil tbg unit. RIH w/1-1/2" CT & circ hole clean down to 220'. If unable to clean hole to 220', contact D.O.G. for verbal abandonment modifications.

2. MIRU B.J. Pump 200 cu./ft. class "G" cement w/3% $CaCl_2$ & loss circulation additive down 1-1/2" CT & up 13-3/8" CSG to surface. RDMO B.J.

3. POOH w/1-1/2" CT. WOC 4-5 hours. Tag TOC. RD CT unit.

4. Cut surface csg 5' below GL. Remove flowlines & clean location. Weld plate marker over casing. Contact D.O.G. for surface abandonment approval.

WELL COMPLETION SKETCHES SUN--5036-4-A

WELL	FIELD	DATE
NCW #1	NEWHALL - POTRERO	10-23-89

☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

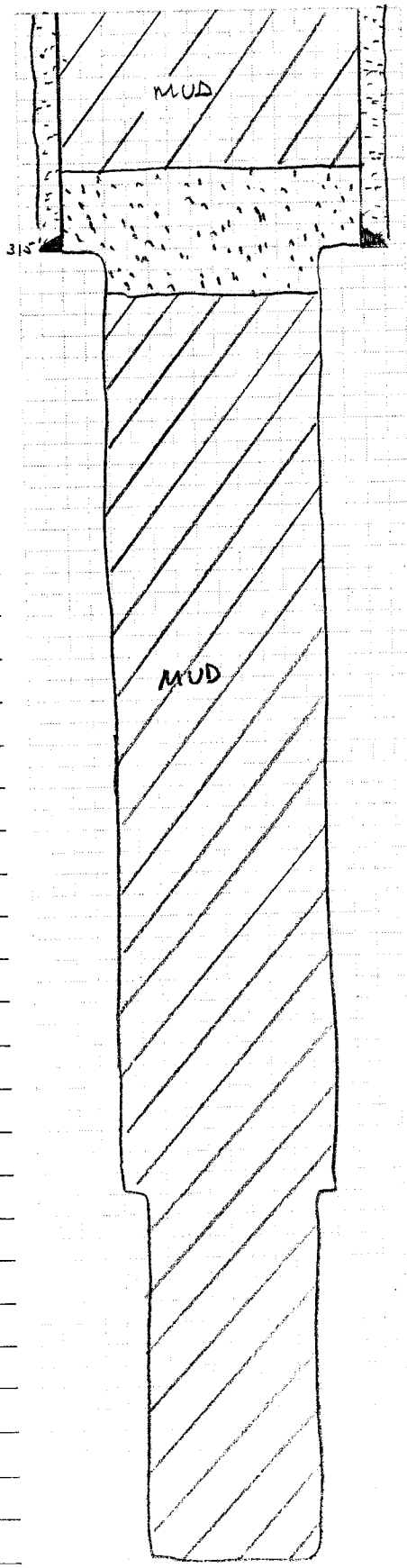
ELEV 1269'

13 3/8" SURF CSG @ 315'

11" HOLE TO 7650'

10 5/8" HOLE TO 9508'

TD 9508'



DATA ON THIS COMPLETION

100 SX CMT PLUG
FROM 220' - 367' (CALC)

74 #/CF MUD IN HOLE

SION OF OIL AN
RECEIVED
OCT 31 1989
ENTURA, CALIFORNI

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
Newhall-Potrero	2
Former owner	**Date**
Sun Exploration and Production Co.	Aug. 7, 1989

Name and location of well(s)

Sec. 31, T. 4N., R. 16W., (ALL WELLS)

Secs. 21, 22, 25, 26, 27, 28, 35, 36, T. 4N., R. 17W. (ALL WELLS)

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
5-3-89	Oryx Energy Co.	Co.
	Address P.O. Box 55060 Valencia, CA 91355	**Telephone No.** 805-257-6200

Reported by
Sun Exploration & Production Co.

Confirmed by
Oryx Energy Co.

New operator new status (status abbreviation)	Request designation of agent
PA	
Old operator new status (status abbreviation)	**Remarks**
PA	(NAME CHANGE ONLY)

Deputy Supervisor	Signature
Patrick J. Kinnear	Patrick J. Kinnear

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county: NEWHALL-POTRERO	District: 2
Former owner: Sun Oil Company	Date: Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange: 1/1/82	New owner: Sun Exploration & Production Co. Address: P.O. Box 55060 Valencia, Ca. 91355	Type of organization: Company Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation): PA	Request designation of agent: on file
Old operator new status (status abbreviation): Ab	Remarks: NAME CHANGE ONLY

Deputy Supervisor: Murray W. Dosch

Signature: Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

PA – Producing Active
NPA – No Potential, Active
PI – Potential Inactive
NPI – No Potential, Inactive
Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

OGD156 (12-77-GSR1-2M)

All of SUNRAY DX OIL COMPANY wells in field transferred 10-25-68 to SUN OIL COMPANY - DX DIVISION. Form 156, 11-20-68. See ownership file.

Date of Transfer May 16, 1955
New Owner: Sunray Mid-Continent Oil Co.
Address: 714 West Olympic Boulevard, Los Angeles 15, California

Type of Organization Corporation

Reported by: Sunray Oil Corp. (Notice May 16, 1955)*
Confirmed by:
New Operator New Status PA , Old Operator New Status Ab
Request designation of agent for the following County. Los Angeles

*On Sunray Mid-Continent Oil Co. well No. "Darling Community" 1, South Rosecrans. eb

Remarks:

eb
CC- Mr E H Musser
Prod Dept
Conservation Committee

R. V. Walling
Deputy Supervisor

	INITIALS	DATE
Form 121		7-12-55
New Well Cards		
Well Records		
Logs	MM	7-12-55
Production Reports		
Map and Book	LSA	
Form 148		

LEGEND
PA—Producing Active
NPA—Non Potential Active
PI—Potential Inactive
NPI—Non Potential Inactive
Ab—Abandoned or No More Wells
NOTE—If Transfer Does Not Change Overall Status Enter "No Change"

96951 4-54 4800 (2) SPC

629 South Hill Street,
Los Angeles 14, California,
December 30, 1946.

Mr. R. E. Foss,
714 West Olympic Boulevard,
Los Angeles 15, California.

Agent for Barnsdall Oil Company.

Dear Sir:

Your report of abandonment of well No. "Newhall-Corporation-Wolfson" 1, Sec. 26, T. 4 N., R. 17 W., S. B. B. & M., Newhall-Potrero oil field, Los Angeles County, dated December 7, 1946, and submitted to this division on our form No. 102, 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.

Yours truly,

R. D. BUSH,
State Oil and Gas Supervisor,

By E. H. Musser
Deputy Supervisor

my
cc - Mr. R. D. Bush
- Company

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A JLW	JLW.				

FORM 102. 78496 10-39 15M
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
DEC 24 1946
LOS ANGELES, CALIFORNIA

Subsequent Work Report

OPERATOR Barnsdall Oil Company FIELD Newhall-Potrero

Well No Newhall Corporation Wolfson #1, Sec. 26, T. 4 N, R. 17 W, SB B. & M.

In compliance with the provisions of Chapter 93, Statutes 1939, the information given herewith is a complete and correct record of all **work done on the well since the previous record,** dated August 3, 1945, was filed.

SIGNED R. L. Fry

Date Dec. 7, 1946 Title Agent
(President, Secretary or Agent)

Outline in the order of performance, **together with the dates thereof,** all important operations which alter the condition of the well. Include such information as depth at which redrilling operations were started, size of hole redrilled or deepened; size of pipe, amount of perforations in casing, weight and length of casing landed or cemented or removed; number of sacks of cement used in cementing or plugging operations and exact position thereof. 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

This well was drilled to 8490' prior to 3-25-41

1945

8-18 - 29 - Cleaned out to 8490'.

8-29/9-29 - Drilled 10 5/8" hole to 9508'.

10-3 - Cemented with 100 sacks Colton construction cement through drill pipe hung at 248'.

10-4 - Found top of hard cement at 220'.

Well abandoned.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY Los Angeles FIELD OR DIST. Newhall-Potrero COMPANY BARNSDALL OIL COMPANY WELL N.C.W.#1

LOCATION 2200' N & 700' W of SE cor Section 26 SECT. 26 T. 4N R. 17W ELEV.

DATE 1945	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
9/12	Reed	7-5/8	9012	9029	4	24	0.2				Dark gray, hard, massive	D
								0.8			Light grey, hard, somewhat friable, fine to medium grained, well sorted, finely "salt & pepper" due to ferro-Mag.minerals.	9/13
									2.0		Sandstone shell, as above but very hard, not friable. Impermeable. Rare lenses of dark gray shale.	
							0.5				Dark gray, hard, very sandy, with lenticular streaks of light gray, hard fine grained sand. Dip 50°	
								0.5			Light gray, hard, fine grained with lenses dark gray shale	
9/12	Reed	7-5/8	9029	9042	8	62	1.0				Dark gray, hard, massive, sandy, tendency towards conchoidal fracture.	F
								2.0			Light gray, very firm, friable, fine to medium grained, biscuit partings.	
							3.5				Shale as above, but flaky in part. Dip 30°-35°	
									1.0		Light gray, hard, fine grained sandstone with dark gray, silty streaks. Dips 52-54° cross bedded.	
							0.5				Shale as above.	
9/13	Reed	7-5/8	9042	9051	6	67	5.0		0.4		Dark gray, hard, massive, sandy, slight greenish cast, occasional light gray, sandy streaks. Dip 45°.	
											Two 0.2' streaks of light gray, very hard, fine grained sandstone shell.	
									0.4		Light gray to green gray, fine grained, silty shandstone shell.	
							0.2				Shale as above.	
9/23	Reed	7-5/8	9406	9419	0	0						

INSTRUCTIONS. Show amounts in ft. and tenths of ft. to nearest 0.5 ft.; use lesser divisions only for formations of particular significance, such as "0.2 ft. oil sand" or "0.3 ft. Bentonite." Show silt and siltstone under shale. Siltstone means definitely impervious shale-like material but silty and/or sdy. in texture. "s" in oil sand column means streaks or spots of oil. Make note of any apparent reason for poor condition or recovery. Tests cores for gas and record results. Record dips of beds, fractures, joints, slickensides, etc. Indicate by "F" or "D" in column at right if core was fresh or dry when described. Indicate author by initials, followed by date described if other than date of core.

ABBREVIATIONS. COLOR: Bf Buff, Blk Black, Blu Blue, Br Brown, Gy Gray, Gn Green, Choc Chocolate, Dk Dark, Lt Light, Ol Olive, Pur Purple, R Red, T Tan, Wh White.

HARDNESS: Frm Firm, Fri Friable, H or Hd Hard, M or Med Medium, S Soft, V Very.

TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

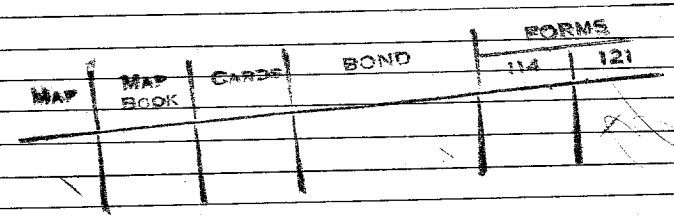
CORE RECORD

COUNTY Los Angeles FIELD OR DIST. Newhall-Potrero COMPANY BARNSDALL OIL COMPANY WELL N.C.T.#1

LOCATION 2200' N & 700' W of SE cor Section 26 -2- SECT. 26 T. 4N R. 17W ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
9/26	Reed	7-5/8	9445	9452	4	57	4				Dark brownish gray laminated with light blue-gray hard, broken. Dips approx. 45°.	F
											Described by D.H.Fortine	

RECEIVED
OCT 26 1945
LOS ANGELES, CALIFORNIA



INSTRUCTIONS. Show amounts in ft. and tenths of ft. to nearest 0.5 ft.; use lesser divisions only for formations of particular significance, such as "0.2 ft. oil sand" or "0.3 ft. Bentonite." Show silt and siltstone under shale. Siltstone means definitely impervious shale-like material but silty and/or sdy. in texture. "s" in oil sand column means streaks or spots of oil. Make note of any apparent reason for poor condition or recovery. Tests cores for gas and record results. Record dips of beds, fractures, joints, slickensides, etc. Indicate by "F" or "D" in column at right if core was fresh or dry when described. Indicate author by initials, followed by date described if other than date of core.

ABBREVIATIONS. COLOR: Bf Buff, Blk Black, Blu Blue, Br Brown, Gy Gray, Gn Green, Choc Chocolate, Dk Dark, Lt Light, Ol Olive, Pur Purple, R Red, T Tan, Wh White.

HARDNESS: Frm Firm, Fri Friable, H or Hd Hard, M or Med Medium, S Soft, V Very.

TEXTURE: C or Cse Coarse. Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

FORM 111.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-41257

Los Angeles 14, Calif. October 9, 1945

MR. R. E. Foss

Los Angeles 15, Calif.

Agent for BARNSDALL OIL COMPANY

DEAR SIR:

Your proposal to abandon "Newhall Corporation-Wolfson" Well No. 1,

Section 26, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County,

dated Oct. 3, 1945, received Oct. 8, 1945, 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: The condition of the well is as stated in the notice.

THE NOTICE STATES:

"The present condition of the well is as follows:

1. Complete casing record.
   13 3/8" C. 315'
   11" hole to 7650'
   10 5/8" hole to 9508'
   Total Depth 9508'

   No oil sands encountered."

PROPOSAL:

"The proposed work is as follows:
Plug hole with cement from 335 to 295'.
Cap 13 3/8" casing and abandon."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT THIS DIVISION SHALL BE NOTIFIED TO WITNESS the location and hardness of cement plug at 295'.

CLB:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Murray Deputy

Blanket bond dated 8-25-41

FORM 108. 98528 4-41 6M
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

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

Los Angeles Calif. October 3 19 45

DIVISION OF OIL AND GAS

Los Angeles Calif.

In compliance with Sec. 3228, 3229, 3230, 3231 and 3232, Ch. 93, Stat. 1939, notice is hereby given that it is our intention to abandon well No. Newhall Corporation-Wolfson #1

Sec. 26, T. 4 N., R. 17 W., SB B. & M. Newhall Potrero Field,

Los Angeles County, commencing work on the 3rd day

of October 19 45.

The present condition of the well is as follows:

1. Complete casing record.

13 3/8" C. 315'
11" hole to 7650'
10 5/8" hole to 9508'

Total Depth 9508'

No oil sands encountered

2. Last produced. _____ (Date) _____ (Net oil) _____ (Gravity) _____ (Cut)

The proposed work is as follows:

Plug hole with cement from 335 to 295'.

Cap 13 3/8" casing and abandon.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
			Blanket dated 4-25-41		

BARNSDALL OIL COMPANY
(Name of Operator)

By R. E. Fox.

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

629 South Hill Street,
Los Angeles 14, California,
August 13, 1945.

Barnsdall Oil Company,
714 West Olympic Boulevard,
Los Angeles 15, California.

Gentlemen:

I have received your letter of August 3, 1945, requesting change in designation of a well acquired by you in the Newhall-Potrero field.

In accordance with Section 3203, Chapter 93, Statutes of 1939, reading in part as follows:

> "the number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor."

the proposed change in designation is hereby authorized as follows:

Sec. 26, T. 4 N., R. 17 W., S. B. B. & M.

Well No. "Ferguson" 1, of Newhall-Potrero Oil Company, will hereafter be known as your well No. "Newhall Corporation-Wolfson" 1.

Yours truly,

R. D. BUSH,
State Oil and Gas Supervisor.

By E. H. Musser
Deputy Supervisor. EHB

Corrections Made as Follows	By Whom
Form 114	
" 115	✓ Young
" 121	
" 148	
Cards	✓ Codegg [illegible]
Production Reports	Young
Well Records (Folders	
(Reports	✓ 18 A JLW.
Field Maps	
Map Book	8-17-45 JLW.

my

2 cc - Mr. R. D. Bush
1 cc - M. Cooley

Los Angeles

August 13, 1945

E. H. Musser

R. D. Bush

In a letter dated August 3, 1945, Barnsdall Oil Company informed me that it leased the property upon which is located Newhall-Potrero Oil Company well No. "Ferguson" 1, Sec. 26, T. 4 N., R. 17 W., S. B. B. & M., Newhall-Potrero field, on April 27, 1943.

I have been unable to get a confirmation of the transfer involving this well from Newhall-Potrero Oil Company, but Barnsdall Oil Company has further confirmed the fact that it has acquired the well by filing a notice of intention to deepen. My records are being changed accordingly.

I shall notify you as soon as Barnsdall Oil Company begins operations at the well so that the bond filed by Newhall-Potrero Oil Company may be released.

E. H. Musser
CLB

Deputy Supervisor.

my
cc - M. Cooley

Corrections Made as Follows:	By Whom
Form 114	
" 113	
" 121	
" 111	
Cards	
Production Records	
Well Records	
Field Work	
Map Work	

8-13-45 JLW.

629 South Hill Street,
Los Angeles 14, California,
August 6, 1945.

Va 3111

Newhall-Potrero Oil Company,
838 Citizens National Bank Bldg.,
Los Angeles 13, California.

Gentlemen:

I have been informed that Barnsdall Oil Company is now the operator of the well which has been carried in our records as your well No. "Ferguson" 1, Sec. 26, T. 4 N., R. 17 W., S. B. B. & M., Newhall-Potrero field.

Will you please supply me with a chain of title showing the manner by which Barnsdall Oil Company came into possession of this well. I particularly need to know to whom you relinquished your interest in the well and the exact date of the transaction.

Yours truly,

E. H. Musser
CDB

Deputy Supervisor.

Note: Address reply to attention of C. L. Barton.

ny

BARNSDALL OIL COMPANY

PETROLEUM BUILDING

LOS ANGELES

CALIFORNIA DIVISION

AUG 6

August 3, 1945

Mr. E. H. Musser
Deputy State Oil and Gas Supervisor
Division of Oil and Gas
629 S. Hill St.
Los Angeles 14, Calif.

Dear Sir:

Enclosed you will find two copies of our notice of intention to deepen well No. "Newhall(-) Corporation—Wolfson 1."

This well was originally drilled by Newhall-Potrero Oil Company as well No. "Ferguson 1." We acquired this well by leasing the property on April 27, 1943, and wish to use the name shown above.

Very truly yours,

BARNSDALL OIL COMPANY

By R. E. Foss
AGENT

REF:SM

Encl.

Los Angeles, California.

February 9, 1942.

Mr. Cecil Barton,
Division of Oil & Gas,
State of California,
Dept. of Natural Resources,
Los Angeles, Calif.,

Dear Sir:

In accordance with request to Mr. M. J. Gentry, I am inclosing herewith, History of Oil or Gas Well, in Connection with Ferguson #1 Well, of the Newhall-Potrero Oil Company, which you requested made out and filed for the completion of your records on this well.

Yours very truly,

J. J. Berg

J. J. Berg,
Vice-President.

ms
Encls-

DIVISION OF OIL & GAS
RECEIVED
JAN 7 - 1942
LOS ANGELES, CALIFORNIA

Alhambra, Cal.

Jan. 5th 1942

Division of Oil and Gas,
629 South Hill Street,
Los Angeles, Cal.

Gentlemen: Attention Mr. C. L. BARSON

Enclosed will please find form #102, being the last of forms received. Sorry to have caused the delay on this but Mr. Blodgett just mailed it to me and am fowarding along.

If there is anything further I can get for you kindly let me hear.

Yours very truly,

M J Gentry

1765 South 4th St.

RECEIVED
DEC 22 1941

Alhambra, Cal.
Dec 19th 1941

Division of Oil and Gas,
629 So. Hill St.,
Los Angeles, Cal.

Gentlemen: Attention Mr. C. L. Barton,

Am enclosing form 101 filled out with records of Newhall-Potrero Oil well Ferguson No. 1 as per your request and have mailed form 103 to Mr. Percy Blodgett asking him to kindly fill that out and mail immediately to you. He has the records of this in his file. Will phone you in a few days to see if this has been done.

Yours very truly,

M J Bentley

1765 So. 4th St.,

629 South Hill Street,
Los Angeles, California,
October 3, 1941.

Macco Construction Company,
815 Paramount Blvd.,
Clearwater, California.

Gentlemen:

I have your letter of October 3d requesting permission to remove the derrick, racks, etc., from well No. "Ferguson" 1 of Newhall-Potrero Oil Company Sec. 26, T. 4 N., R. 17 W., S. B. B. & M., Newhall field.

This division has no objection to your removal of this derrick. It is of course, understood that we do not pass upon your legal right to do this.

Yours truly,

E.H.M.

Deputy Supervisor

cc- Newhall-Potrero Oil Co.

EHM:G

MACCO CONSTRUCTION COMPANY

GENERAL CONTRACTORS

815 PARAMOUNT BLVD.

CLEARWATER, CALIFORNIA

PHONES { NEVADA 6-1261
METCALF 3-1121
LONG BEACH 212-43

RECEIVED

October 3, 1941.

California State Division of Oil & Gas,
629 South Hill Street,
Los Angeles, California.

Attention: Mr. Ed Musser

Gentlemen:

We wish to obtain your permission to remove the derrick, racks, etc., from Well #1 of the Newhall-Potrero Oil Company. This well is located on the Rancho San Francisco, as recorded in Book 1, Pages 521 and 522 of Patents, records of Los Angeles County, State of California, more particularly described as follows:

"Commencing at corner No. 11 at Pico Project #1, as recorded in Book 1022 of Deeds, Page 217, records of Los Angeles County; thence north 17° 9' east 1,343.9 feet; thence south 54° 13' east 1,507.35 feet; thence south 35° 47' west 916.11 feet; thence north 72° 24' west 1145.14 feet to point of beginning."

We would appreciate your decision in this matter at your very earliest convenience.

We thank you for your co-operation.

Yours very truly,

MACCO CONSTRUCTION COMPANY,

By Edw. A. Pellegrin

Edw. A. Pellegrin

EAP/N

.M 111.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-41027

Los Angeles 14, Calif. August 14, 1945

MR. R. E. Foss
Los Angeles 15, Calif.
Agent for BARNSDALL OIL COMPANY "Newhall Corporation-

DEAR SIR:

Your proposal to deepen Well No. Wolfson" 1,
Section 26, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County,
dated Aug. 3, 1945, received Aug. 6, 1945, 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: The condition of the well is as stated in the notice.

THE NOTICE STATES:
"The present condition of the well is as follows:
1. Complete casing record.
13-3/8" C. 315'
11" hole to 7650'
10-5/8" hole " 8379'
9-7/8" " " 8472'
9-3/4" " " 8490'
Total depth 8490'
Operations suspended March 25, 1941."

PROPOSAL:
"The proposed work is as follows:
1. Clean out hole to 8490'.
2. Cement 8-5/8" 36# J-55 & N-80 casing at 8490'.
3. Drill 7-5/8" hole ahead.
4. Cement 5-1/2" 20# N-80 blank liner as determined from electric log and cores."

DECISION:
THE PROPOSAL IS APPROVED PROVIDED THAT THIS DIVISION SHALL BE NOTIFIED TO WITNESS
1. A test after cleaning out below the top of the liner to demonstate that no fluid has access to the well between the 8-5/8" and 5-1/2" casings.
2. A test of the effectiveness of the 5-1/2" shut-off through perforations over the zone to be produced.

Records Filed
100
101
102
E. Log

CLB:ON

cc- P. A. W.
Company

R. D. BUSH
State Oil and Gas Supervisor
By E. H. Meesser Deputy

Blanket bond dated August 25, 1941

FORM 107. 29275 11-43 10M
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given fifteen days before work begins when possible

Los Angeles, Calif. August 3 19 45

Mr. E. H. Musser
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 deepening, ~~redrilling, plugging or altering casing~~ at well No. "Newhall Corporation-Wolfson" 1, Sec. 26, T. 4 N, R. 17 W, S. B. B. & M.

(Cross out unnecessary words)

Newhall-Potrero Field, Los Angeles County.

The present condition of the well is as follows:

1. Complete casing record.

13-3/8" C. 315'
11" hole to 7650'
10-5/8" hole " 8379'
9-7/8" " " 8472'
9-3/4" " " 8490'
Total depth 8490'
Operations suspended March 25, 1941.

2. Last produced _____ (Date) _____ (Net Oil) _____ (Gravity) _____ (Cut)

The proposed work is as follows:

1. Clean out hole to 8490'.
2. Cement 8-5/8" 36# J-55 & N-80 casing at 8490'.
3. Drill 7-5/8" hole ahead.
4. Cement 5½" 20# N-80 blank liner as determined from electric log and cores.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
			Blanket dated Aug. 25, 1941		

BARNSDALL OIL COMPANY
(Name of Operator)

By R. E. Foes.
AGENT

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

FORM 102. 15M
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
JAN 7 - 1942
LOS ANGELES, CALIFORNIA

Subsequent Work Report

OPERATOR Newnall- Potrero Oil Co. FIELD Newhall-Potrero area

Well No. Ferguson No. 1, Sec. 26, T. 4N, R. 17 W, S B. & M.

In compliance with the provisions of Chapter 93, Statutes 1939, the information given herewith is a complete and correct record of all **work done on the well since the previous record,** dated 7/4-1940

_____, was filed.

SIGNED Newnall-Potrero Oil Co.,

Date Jan 5th 1942

Title V.Pres M. J. Dunlap
(President, Secretary or Agent)

Outline in the order of performance, **together with the dates thereof,** all important operations which alter the condition of the well. Include such information as depth at which redrilling operations were started, size of hole redrilled or deepened; size of pipe, amount of perforations in casing, weight and length of casing landed or cemented or removed; number of sacks of cement used in cementing or plugging operations and exact position thereof. 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

Maron 10, 1941.

Started Operations by running 11" bit on 6" drill pipe. Started reaming at 7650' Started running 10 5/8" bit at 6116'

Run core barrel at 6290'-6304' full recovery - mill stone little sand no cut small pebbles at bottom.

Run 10" reamer 7304'-6300'

Started running 8 7/8" bit at 6300'

Sea shells at 6450' in siltstone very hard. Basket core.

Run basket at 6460' core showed siltstone with thin lenses of sand

Run Basket at 6479' core showed siltstone with fish scales, fracture plane 60 degrees Bedding plane or sand appeared to be about fifty degrees very hard to determine accurately.

Ran 8 7/8" bit to bottom at 6480' very hard siltstone.

Hole open to bottom and in good condition.

Maron 26, 1941.

Shut down, Removed drilling Equipment.

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
FEB 12 1942
LOS ANGELES, CALIFORNIA

History of Oil or Gas Well

OPERATOR Newhall-Potrero Oil Company FIELD Newhall-Potrero

Well No. Ferguson 1, Sec. 26, T. 4 N., R. 17-W., S.B. B. & M.

Signed [signature]

Title Vice-President.
(President, Secretary or Agent)

Date February 9, 1942.

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	
1940	
7-4	Spudded in. Drilled 17½" hole to 320'.
7-5	Depth 330'. Cemented 13-3/8" 56-16 grade D seamless casing at 320'.
7-6	Drilled ahead with 11" bit.
8-29	Depth 7740'. Reduced size of hole to 9-5/8". Started coring ahead
9-6	Depth 8000'. Suspended operations.
1941	
2-14	Started rigging up to deepen.
3-11	Started cleaning out. Cleaned out to 404' with 11" bit.
3-14	Cleaned out to 7740' and started reaming with 11" bit. Reamed 11" hole to 7837. Cleaned out and reamed with 10-5/8" bit 7837 - 8000'. Started drilling 10-5/9" hole ahead. Drilled and cored to 8490'.
3-25	Depth 8490'. Suspended operations.

101. 99170 4-41 36250
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator Newhall-Potrero Oil Company Field Newhall-Potrero Area

Well No. Ferguson No. 1 Sec. 26, T. 4N, R. 17W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO Top of Formation	DEPTH TO Bottom of Formation	Thickness	Drilled or Cored	Recovery	DESCRIPTION
0	305	305	Drilled		Sand and Shale
305	330	25	" "		Sand
330	930	600	" "		Sand and Shale
930	1215	285	" "		Hard Sand
1215	1437	222	" "		Sand and Shale
1437	1500	63	" "		Sand
1500	1655	165	" "		Sandy Shale
1655	2135	480	" "		Shale
2135	2405	270	" "		Sand and Shale
2405	2965	560	" "		Shale
2965	3300	335	" "		Shale and Shells
3300	3605	305	" "		Hard sandy shale
3605	4060	455	" "		Sandy Shale
4060	4275	215	" "		Shale and Shells
4275	4398	123	" "		Hard sand
4398	4740	342	" "		Shale and shells
4740	4952	212	" "		Shale and sand
4952	5045	93	" "		Shale
5045	5175	130	" "		Sand and shale
5175	5480	305	" "		Shale
5480	5565	85	" "		Hard sand and shale
5565	5690	125	" "		Shale
5690	5860	170	" "		Sand and shale
5860	6005	145	" "		Sandy shale
6005	6380	375	" "		Sand and shale
6380	6449	69	" "		Hard sand
6449	6520	71	" "		Sandy shale
6520	6567	47	" "		Hard sandy shale
6567	6651	84	" "		Sandy shale
6651	6716	155	" "		Shale
6716	6722	6	Cored	6'	Dark gray massive argillaceous siltstone with ocasional thin irregular beds of silt. Dip 47° 8" bed of gray hard fine-grained sandstone at 6718'. Occasional borings filled with gray sand and silt tubes parallel to bedding.
6722	6818	96	Drilled	Hard sand	
6818	6927	109	" "		Shale
6927	7090	163	" "		Sandy shale
7090	7100	10	Cored	8'	Dark grey argillaceous siltstone and generally massive fine friable sandstone, with irregular sandy streaks. Dip 45°
7100	7110	10	Cored	5'	Similar to above with two 2" seams argillaceous grey friable sandstone.

101. 99170 4-41 36250
IFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator Newhall-Potrero Oil Co., Field Newhall-Potrero Area

Well No. Ferguson No. 1 Sec. 26, T. 4N, R. 17W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
7110	7408	398	Drilled		Sandy shale
7408	7418	10	Cored	5½'	Gray laminated fine friable sand, with two 6" streaks of dark gray argillaceous siltstone. At 7413' is an 8" seam of sand which had a faint gassy odor, faint straw-color stain, and gave a straw-color cut with ether. Minor shearing parallel to bedding. Dip 47°.
7418	7427	9	Cored	5'	Gray massive friable coarse sand and laminated fine gray sand with two 2" seams of dark gray argillaceous friable siltstone.
7427	7461	34	Drilled		Shale
7461	7585	124	" "		Sand and shale
7585	7654	69	" "		Sand and shale
7654	7659	5	Cored	2'	Gray friable poorly sorted massive sandstone.
7659	7750	91	Drilled		Shale
7750	7754	4	Cored	3'	Dark gray very sandy massive shale with irregular streaks variable in texture. Dip 45°
7754	7760	6	Cored	6'	Dark brownish gray compact siltstone Fair cleavage parallel to bedding. Dip 45°
7760	7765	5	Cored	5'	Dark grayish-brown argillaceous silt stone. Light oil cut in ether.
7765	7775	10	Cored	8'	Tip 3' light gray compact fine silty sandstone. Remainder of core siltstone as above with light oil cut present. Dip 45°.
7775	7785	10	Cored	8⅛'	Light gray compact fine to medium grained silty sandstone containing scattered calcareous nudules.
7785	7795	10	Cored	7'	Top 5' coarse-to-fine unsorted compact-to friable light gray sand. next 1' siltstone. Next 1' grayish brown siltstone. Remainder of core sand as above.
7795	7802	7	Cored	6'	Top 4' sand as above with occasional calcareous nodules. Next 1' siltstone Next 6' sand as above.

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LOG AND CORE RECORD OF OIL OR GAS WELL

Operator Newhall-Potrero Oil Company Field Newhall-Potrero Area

Well No. Ferguson No. 1 Sec. 26, T. 4N, R. 17W, S. B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
7802	7815	13	Cored	4½'	Top 6" gray calcarous fine sandstone with shearings at 60° Strike at 60 1' firm fine gray sand. 3' dark gray ish brown siltstone giving light cut of oil.
7815	7824	9	Cored	6'	Firm gray fine grained sand with carbonaceous inclusions and a 5" seam of dark grayish-brown siltstone in center of core. Dip55°
7824	7830	6	Cored	3'	6" siltstone. 1½" compact fine gray sandstone. 1' siltstone as above Dip 50°
7830	7840	10	Cored	6'	Hard dark grayish brown sandy silt-stone. Dip 50°
7840	7845	5	Cored	5'	1' fine gray hard sandstone. 2½' hard siltstone as above. 6" hard gray fine sandstone. 1' siltstone as above mottled with fine gray sand
7845	7855	10	Cored	4'	Siltstone as above
7855	7865	10	Cored	4½'	Compact gray sandstone.
7865	7875	10	Cored	5'	Compact sandy grayish brown siltston
7875	7882	7	Cored	3'	Material as above mottled with lenses of grayish sand and sand filled borings.
7882	7889	7	Cored	8'	Dary grayish brown siltstone Dip 50°
7889	7899	10	Cored	8'	Dark grayish brown siltstone Dip 58°
7899	7910	11	Cored	11'	Very dark gray massive siltstone. Irregular conchoidal fractures, rather brittle, occasional carbon-ized reeds present.
7910	7913	3	Cored	2½'	Very hard massive sandy gray silt-stone mottled with sand. Occasional ½2 white silt tubes present.
7913	7918	5	Cored	5'	Dark gray massive siltstone showing spalling. Occasional fish scales and bones.
7918	7928	10	Cored	10'	Similar to above.
7928	7938	10	Cored	10'	Dark gray compact siltstone Dip 50-65° Several shear planes at 45°
7938	7963	25	Drilled		Sandy shale.
7963	7968	10	Cored	5'	3' sandy brownish gray compact silt stone with irregular light gray silt laminae. 2' compact gray silty medium grained sand with dark gray irregular silty laminated. 1' silt stone as above.

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STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG AND CORE RECORD OF OIL OR GAS WELL

Operator Newhall-Potrero Oil Co., Field Newhall-Potrero Area

Well No. Ferguson No. 1 Sec. 26, T. 4N, R. 17W, S.B. B. & M.

FORMATIONS PENETRATED BY WELL

DEPTH TO		Thickness	Drilled or Cored	Recovery	DESCRIPTION
Top of Formation	Bottom of Formation				
7968	7973	5	Bored	5	1' siltstone as above. 1' gray firm medium grained sand, several 1" mud Pecton.
7973	7983	10	Cored	5	Siltstone, more dense than above.
7983	7993	10	Cored	6'	1½' gray medium grained sandstone shells, 4½' firm to friable medium to coarse poorly sorted gray sand with one 4" streak of gray sandy laminated siltstone. 1⅛' from bottom of core. Dip 45°
7993	8000	7	Cored	3'	Medium gray sand with two 1" streaks of dark gray argillaceous friable siltstone.
8000	8114	114	Drilled		Sandy shale
8114	8170	56	" "		Hard sand
8170	8224	54	" "		Hard shale and sand
8224	8300	76	" "		Shale and streaks of sand,
8300	8334	34	" "		Hard shale and sand
8334	8356	22	" "		Hard sand
8356	8412	56	" "		Same as above.
8412	8467	55	" "		Hard sand
8467	8474	7	" "		Hard sand and shale
8474	8490	16	" "		Shale hard.

94924 12-40 25M
A STATE PRINTING OFFICE

SUBMIT LOG IN DUPLICATE

FILL TH' ANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAP NLY

DIVISION OF OIL & GAS
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NOV 10 1941
LOS ANGELES, CALIFORNIA

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG OF OIL OR GAS WELL

Operator Newhall-Potrero Oil Co., Field Newhall-Potrero

Well No. Ferguson No. 1 Sec. 26, T. 4N, R. 17W, S.B. B. & M.

Location See Application Elevation of derrick floor ground above sea level 1262 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 November 5th 1941 Signed [signature]

Percy Blodgett (Engineer or Geologist) (Superintendent) Title V. Pres (President, Secretary or Agent)

Commenced drilling July 4th 1940 Completed drilling March 25th 1941 Drilling tools Cable Rotary

Total depth Plugged depth

Junk

GEOLOGICAL MARKERS	DEPTH
Miocene	7865

Commenced producing (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						
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 Cementing if through perforations
13 3/8"	320'	Cellar	56#	New	Seamless	D	17"	300	

Perforations

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths First 6800' 2nd 8000' (Attach Copy of Log)

DIVISION OF OIL & GAS
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LOS ANGELES, CALIFORNIA

LOS ANGELES, CALIFORNIA
September 17th 1940

FROM	TO	REC.	FORMATION.
6716	6722	6'	Dark gray massive argillaceous siltstone with occasional thin irregular beds of silt. Dip 47° 8" bed of gray hard fine-grained sandstone at 6718'. Occasional borings filled with gray sand and silt tubes parallel to bedding.
7090	7100	8'	Dark gray argillaceous siltstone and generally massive fine friable sandstone, with irregular sandy streaks. Dip 45°.
7100	7110	5'	Similar to above with two 2" seams argillaceous grey friable sand.
7408	7418	5½'	Gray laminated fine friable sand, with two 6" streaks of dark gray argillaceous siltstone. At 7413' is an 8" seam of sand which had a faint gassy odor, faint straw-colored stain, and gave a straw-colored cut with ether. Minor shearing parallel to bedding. Dip 47°.
7418	7427	5'	Gray massive friable coarse sand and laminated fine gray sand with two 2" seams of dark gray argillaceous friable siltstone.
7654	7659	2'	Gray friable poorly sorted massive sandstone.
7750	7754	3'	Dark gray very sandy massive shale with irregular streaks variable in texture. Dip 45°.
7754	7760	6'	Dark brownish gray compact siltstone. Fair cleavage parallel to bedding. Dip 45°.
7760	7765	5'	Dark grayish-brown argillaceous siltstone. Light oil cut in ether.
7765	7775	8'	Top 3' light gray compact fine silty sandstone. Remainder of core siltstone as above with light oil cut present. Dip 45°.
7775	7785	8½'	Light gray compact fine to medium-grained silty sandstone containing scattered calcareous nodules.
7785	7795	7'	Top 5' coarse-to-fine unsorted compact-to-friable light gray sand. Next 1' siltstone. Next1' grayish brown siltstone. Remainder of core sand as above.

FROM	TO	REC.	FORMATION
7795	7802	6'	Top 4' sand as above with occasional calcareous nodules. Next 1' siltstone. Next 6" sand as above.
7802	7815	4½'	Top 6" gray calcareous fine sandstone with bearing at 60°. Striae at 60°. 1' firm fine gray sand. 3' dark grayish brown siltstone giving light cut of oil.
7815	7824	6'	Firm gray fine grained sand with carbonaceous inclusions and a 5" seam of dark grayish-brown siltstone in center of core. Dip 55°.
7824	7832	3'	6" siltstone. 1½' compact fine gray sandstone. 1' siltstone as above. Dip 50°.
7832	7840	6'	Hard dark grayish brown sandy siltstone. Dip 50°.
7840	7845	5'	1' fine gray hard sandstone. 2½' hard siltstone as above. 6" hard gray fine sandstone. 1' siltstone as above mottled with fine gray sand.
7845	7855	4'	Siltstone as above.
7855	7865	4½'	Compact gray sandstone.
7865	7875	5'	Compact sandy grayish brown siltstone.
7875	7882	8'	Material as above mottled with lenses of gray sand and sand filled borings.
7882	7889	8'	Dark grayish brown siltstone. Dip 58°.
7889	7899	5'	Dark brown hard siltstone with a whale bone fragment in top 8"
7899	7910	11'	Very dark gray massive siltstone. Irregular conchoidal fracture, rather brittle, occasional carbonized reeds present.
7910	7913	2½'	Very hard massive sandy gray siltstone mottled with sand. Occasional ¼" white silt tubes p present.
7913	7918	6'	Dark gray massive siltstone whowing spalling. Occasional fish scales and bones.
7918	7928	10'	Similar to above.

FROM	TO	REC.	FORMATION
7928	7938	10'	Dark gray compact siltstone. Dip 50°- 65°. Several shear planes at 45°.
7963	7968	6'	3' sandy brownish gray compact siltstone with irregular light gray silt laminae. 2' compact gray silty medium grained sand with dark gray irregular silty laminae. 1' siltstone as above. Dip 45°- 55°.
7968	7973	2'	1' siltstone as above. 1' gray firm medium grained sand. Several 1" mud Pecten.
7973	7983	5'	Siltstone, more dense than above.
7983	7993	6'	1½' gray medium grained sandstone shell. 4½' firm to friable medium to coarse poorly sorted gray sand with one 4" streak of gray sandy laminated siltstone. 1½' from bottom of core. Dip 45°.
7993	8000	3'	Gray medium grained sand with two 1" streaks of dark gray argillaceous friable siltstone.

Drilling was terminated at 8000 feet, which is the contract depth. Ditch material was examined consinuously below 4200'. The top of the Miocene was penetrated at 7865 feet, making this well about 1800 feet structurally lower than the highest occurrence of Miocene within the present productive area of the Potrero Field. The angle of dip averages 46° as measured in the cores between 6715' and 7754' The dip increases to 50° toward the bottom of the well. It is evident that the well penetrated a normal stratigraphic section in the north flank of the structure on which the Potrero oil field is located. No significant showing of oil were found.

Memo

RECEIVED

LOG OF NEWHALL-POTRERO FERGUSON NO. 1

7/4/40	0 to 305	Sand and Shale
7/5/40	305 to 330	Sand
7/6/40	330 to 580	Sand and Shale
7/7/40	580 to 930	Sand and Shale
7/8/40	930 to 1215	Hard sand
7/9/40	1215 to 1437	Sand and Shale
7/10/40	1437 to 1500	Sand
7/11/40	1500 to 1655	Sandy Shale
7/12/40	1655 to 1875	Shale
7/13/40	1875 to 2135	Shale
7/14/50	2135 to 2405	Sand and Shale
7/15/40	2405 to 2685	Shale
7/16/40	2685 to 2965	Shale
7/17/40	2965 to 3300	Shale and Shells
7/18/40	3300 to 3605	Hard, sandy shale
7/19/40	3605 to 3869	Sandy shale
7/20/40	3869 to 4060	Sandy shale
7/21/40	4060 to 4275	Shale and shella
7/22/40	4275 to 4398	Hard sand
7/23/40	4398 to 4557	Shale and shells
7/24/40	4557 to 4740	Shale and shells
7/25/40	4740 to 4952	Shale and sand
7/26/40	4952 to 5045	Shale
7/37/40	5045 to 5175	Sand and Shale
7/28/40	5175 to 5255	Shale
7/29/40	5255 to 5370	Shale
7/30/40	5370 to 5480	Shale
7/31/40	5480 to 5565	Hard sand and shale

8/1/40	5565 to 5690	Shale
8/2/40	5690 to 5860	Sand ans shale
8/3/40	5860 to 6005	Sandy shale
8/4/40	6005 to 6052	Sand and shale
8/5/40	6052 to 6122	Sand and shale
8/6/40	6122 to 6160	Sand and shale
8/7/40	6160 to 6219	Sand and shale
8/8/40	6219 to 6297	Sand and shale
8/9/40	6297 to 6380	Shale and shells
8/10/40	6380 to 6449	Hard sand
8/11/40	6449 to 6520	Sandy shale
8/12/40	6520 to 6567	Hard, sandy shale
8/13/40	6567 to 6651	Sandy shale
8/14/40	6651 to 6722	Shale
8/15/40	6722 to 6818	Hard sand
8/16/40,	6818 to 6927	Shale
8/17/40	6927 to 7004	Sandy shale
8/18/40	7004 to 7017	Shale
8/19/40	7017 to 7090	Shale
8/20/40	7090 to 7132	Sandy shale
8/21/40	7032 to 7186	Shale and sand
8/22/40	7186 to 7256	Sandy shale
8/23/40	7256 to 7323	Sandy shale
8/24/40	7323 to 7418	Shale
8/25/40	7418 to 7461	Shale
8/26/40	7461 to 7585	Sand and shale
8/27/40	7585 to 7646	Sand and shale
8/28/40	7646 to 7672	Sandy shale
8/29/40	7672 to 7740	Sand
8/30/40	7740 to 7759	Shale
8/31/40	7759 to 7802	Sandy shale

9/1/40	7802 to 7845	Sandy shale
9/2/40	7845 to 7882	Sandy shale
9/3/40	7882 to 7913	Sandy shale
9/4/40	7913 to 7948	Sandy shale
9/5/40	7948 to 7968	Hard sand
9/6/40	7968 to 8000	Hard sand
3/16/41	8000 to 8114	Sandy shale
3/17/41	8114 to 8170	Hard sand
3/18/41	8170 to 8224	Hard shale and sand
3/19/41	8224 to 8300	Shale and streaks of sand.
3/20/41	8300 to 8334	Hard shale streaked with sand
3/21/41	8334 to 8356	Hard sand
3/22/41	8356 to 8412	Hard sand
3/23/41	8412 to 8467	Hard sand
3/24/41	8467 to 8474	Hard sand and shale
3/25/41	8474 to 8490,	Hard shale

RM 111.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-35291

Los Angeles, Calif. June 12, 1940.

MR. M. J. Gentry,

Los Angeles, Calif.

Vice-Pres. ~~xxxxxxxx~~ NEWHALL-POTRERO OIL COMPANY

121

DEAR SIR:

Your proposal to drill Well No. "FERGUSON" 1,

Section 26, T. 4N, R. 17W, S.B. B. & M., Newhall Field, Los Angeles County,

dated June 7, 1940, received June 12, 1940, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 2515 feet N and 750 feet W. from S.E.Cor.Sec.26, T4N, R17W.
The elevation of the derrick floor above sea level is 1250 feet.
We estimate that the first productive oil or gas sand should be encountered at a depth of about 7200 feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
13 3/8	48	C	300	Cemented
7	28	D	X	

X--Depths to be determined by coring or electric logging.
Well is to be drilled with rotary tools.
It is understood that if changes in this plan become necessary we are to notify you before cementing or landing 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 pipe.
2. Adequate blowout prevention equipment shall be provided and ready for use at all times.
3. Any hole to be sidetracked in any oil zone shall be filled with cement, if possible.
4. The formations to be left back of the 7" casing shall be mudded in a manner consistent with good drilling practice.
5. This division shall be notified to examine cores and/or electrical log before running the 7" casing.
6. The column of mud fluid back of the 7" casing shall be maintained to the surface for at least 30 days after cementing this casing.
7. THIS DIVISION SHALL BE NOTIFIED TO WITNESS a test of the effectiveness of the 7" shut-off.

13 3/8" cem 320'
T.D. 8520' acc. to Scout Rept.
T.D. 8490 a/c [illegible] 101 & 103

cc: Company

Wolfson [illegible] 40-2281

CLB:SS

Macco Const. Owns Derrick
Pellegrini No. 61261

R. D. BUSH
State Oil and Gas Supervisor

By [signature] Deputy

JRM 105. 70717 4-39 10M.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

037-12613

9

Notice of Intention to Drill New Well

This notice must be given and surety bond filed before drilling begins

Los Angeles Calif. June 7th 1940

DIVISION OF OIL AND GAS

Los Angeles Calif.

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of drilling well No. "Ferguson" No. 1, Sec. 26, T. 4 N., R. 17 W., S.B. B. & M., Newhall Field, Los Angeles County.

Lease consists of 31 acres

The well is 2515 feet N. of S., and 750 feet E. or W. from S. E. Cor. Sec. 26, T4N, R17W.
(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is 1250 feet.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 7200 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	48	C	300	Cemented
7	28	D	X	

X---Depths to be determined by coring or electric logging.

Well is to be drilled with rotary tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address 838 Citz. Nat. Bank Bldg. L.A.

Telephone number Michigan 0405

Newhall-Potrero Oil Company
(Name of Operator)

By M. J. Gentry
M.J. Gentry, V. Pres.

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

Book 6-12-40 SMR.

18

SMR.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

F.E. Armijo, Agent
Oryx Energy Company
25322 W. Rye Canyon Road
P.O. Box 55060
Valencia, CA. 91355

Ventura, California
February 8, 1990

Your report of abandonment of well "Newhall-Corp.Wolfson" 2-7, A.P.I. No. 037-12614, Section 26, T. 4N, R. 17W, SB B.&M., Newhall-Potrero field, Los Angeles County, dated 12-6-89, received 1-8-90, 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.

bb

cc: Conservation Committee
Update

MAP	MAP BOOK	CARDS	BOND	EDP	FORMS 114	FORMS 121
253	2/17/90 BH	—	BB	✓	—	✓

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear, Deputy Supervisor

OG159

OPERATOR Sun
WELL NO. "Newkall Corp-Walfox" 2-7
MAP

INTENTION	Abd					
NOTICE DATED	6-20-89					
P-REPORT NUMBER	289-190					
CHECKED BY/DATE	BH 2/8/90					
MAP LETTER DATED	2/17/90					
SYMBOL	253					

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	6-21-89											
HISTORY	1/8/90											
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS	✓					
OPERATOR'S NAME	✓					
WELL NO.	✓					
LOC & ELEV						
SIGNATURE	✓					
SURFACE INSP.	12/11/89 BH					
DRILL CARD						

RECORD'S COMPLETE BH 2/1/90

FINAL LETTER OK
MAILED
RELEASED BOND
Edp notified 10/89

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

JAN 8 1990

History of Oil or Gas Well

Operator ORYX ENERGY COMPANY Field or County Newhall-Potrero
Well Newhall Corporation-Wolfson 2 #7 Sec. 26, T 4N, R 17W, SB B. & M.
A.P.I. No. 037-12614 Name F. E. ARMIJO (Person submitting report) Title Agent (President, Secretary or Agent)
Date 12-6, 1989

Signature F. E. Armijo

Box 55060, Valencia, California 91355-0560 (Address) (805) 257-6200 (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

1989

P&A, OTHER
7" CSG TO 10335'/5" LINER 9240-12426'/PBTD 11691'/PERFS 11520-12283'/7TH ZONE/LA CO/P# 865628/
09/21/89
*** FIRST REPORT ***
9-20/MIRU SPOT TBG TRAILER, PUMP & TNK REMOVE WELLHEAD/INSTALL BOP PICK UP AND RIH W/2 3/8" TBG MEASURING IN HOLE TO 1150'/SDFN
09/22/89
9-21/CONT PICKING UP & RIH MEASURING 2 3/8" & 2 7/8" TBG TO 7950'/SDFN/
09/23/89
9-22-89/CONT PICKING UP, MEAS & RIH W/2 7/8" TBG/WELL FLOWED OUT 40 BBL OIL & WTR/PUMP 20 BBL MUD DOWN TBG/FIN RIH AND TAG BP @ 11703'/POH W/1 JT 2 7/8"/CIRC MUD AND CONDITION/CHANGE HOLE OVER W/450 BBL 72#/CU FT MUD/ RECOVERED APPROX 250 BBL OIL & WTR/POH W/80 JTS TO TOP OF LINER/CLOSE WELL IN/SDFN/
09/24/89
9-23-89/RIH TO 11,671/CIRC & COND MUD/RU BJ/TEST LINES 3000 PSI - OK/ PUMP 10 BBL FW AHEAD OF 35 CU FT CLASS "G" CMT W/.2% RETARDER, FOLLOWED BY 3 BBL FW AND DISPLACED W.58 BBL 75#/CU FT MUD/RDBJ/POH W/80 JTS TO 9191/ REVERSE CIRC OUT 60 BBL MUD/SDFN/
09/25/89
9-24-89/SDFWE/
09/26/89
9-25-89/RIH/TAG CMT 11,437'/POH TO 933.8/CIRC WELL/RU BJ/TEST LINES 3000# OK/PUMP 10 BBL FW, 40 CT FT CLASS "G" CMT W/.2% RETARDER, FOLLOWED BY 1 1/2 BBL FW/DISPLACED W/263 CU FT 72#/CU FT MUD/POH TO 8098/REVERSE OUT 50 BBL MUD/SDFN/
09/27/89
9-26-89/RIH AND TAG PLUG @ 9175'/POH LAYING DOWN 250 JTS 2 7/8" TBG & 83 JTS 2 3/8" TBG/FILL HOLE W/MUD/RU DIA-LOG/RIH & SHOOT 4 HOLES @ 1700'/ RD DIA-LOG/RIH W/ 2 7/8" TBG TO 1693'/RU BJ/PUMP 5 BBL FW 80 CU FT CLASS "G" CMT W/.2% CACL FOLLOWED BY 1 BBL FW AND DISPLACED W/38 CU FT 72# CU FT MUD/POH TO 949'/SQUEEZE AWAY 40 CU FT CLASS "G" CMT/CLOSE WELL IN/SDFN/

09/28/89
9/27/89/RIH TO 1490' & TAG PLUG/POOH LAYING DOWN 55 JTS 2-7/8" TBG/ FILL HOLE W/ 72#/CU FT MUD/RIG UP DIALOG & SHOOT 4 HOLES @ 31'/RIG UP BJ/ MIX & PUMP 125 SX CLASS "G" CMT W/ 3% CACL DOWN 7" CSG UP 13-3/8" CSG/ CLOSE 13-3/8" CSG & SQUEEZE CMT/ RD BJ/REMOVE & LOAD OUT TBG, FLOOR & BOP/ RDMO/CLEAN LOCATION/TOP FILL WELL AFTER 4 HRS W/ 50 SX CMT/DROP FROM REPORT PENDING SURFACE ABANDONMENT/
09/29/89
DROPPED FROM REPORT 9/28/89/

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T 289-303

REPORT ON OPERATIONS

F.E. Armijo, Agent
Oryx Energy Company
25322 W. Rye Canyon Road
P.O. Box 55060
Valencia, CA. 91355

Ventura, California
October 3, 1989

Your operations at well "Newhall Corp.-Wolfson" 2-7 API No. 037-12614, Sec. 26, T. 4N, R. 17W, S.B.B.&M. Newhall-Potrero Field, in Los Angeles County, were witnessed on 9/28/89. Pam Ceccarelli, representative of the supervisor, was present from 0830 to 0900. There were also present Ken Kennedy.

Present condition of well: 13 3/8" cem 452'; 7" cem 10335', perfs 31' & 1700'; 5" ld 9240'-12426', c.p. 11975', perfs 9420'-9430', 10120'-10130', 10190'-10200', 11520'-11660', 12042'-12283', 12353'-12425'. TD 12428'. Plugged w/cem 12428'-12325', 11671'-11437', 9338'-9175', 1693'-1490' and 31'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

ljg

SURF INSP OK 12/11/89 BH

M.G. MEFFERD, State Oil and Gas Supervisor
By Patrick J. Kinnear
Patrick J. Kinnear
Deputy Supervisor

0G109

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.P 289-190
Field Code 500
Area Code 00
New Pool Code --
Old Pool Code 40

PERMIT TO CONDUCT WELL OPERATIONS

F.E. Armijo, Agent
Sun Exploration & Prod. Co.
25322 W. Rye Canyon Road
P.O. Box 55060
Valencia, CA. 91355

Ventura, California
June 26, 1989

Your proposal to abandon well "Newhall Corporation-Wolfson" 2-7, A.P.I. No. 037-12614, Section 26, T. 4 N, R. 17W, S.B. B.&M., Newhall-Potrero field, any area, 7th pool, Los Angeles County, dated 6/20/89, received 6/21/89, 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 during abandonment operations.
2. Any sump used during these operations shall be thoroughly cleaned and filled with earth as soon as operations are completed.
3. A diligent effort shall be made to clean out the well to at least 11691'.
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 11420', 9140' and 1600'.
   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.

PC:ljg

Engineer Pam Ceccarelli

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

VISION OF OIL AND
RECEIVED
JUN 21 1989
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
✓	33	✓	✓

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 CORPORATION-WOLFSON #2-7, API No. 037-12614,
Sec. 26, T. 4N, R. 17W, SB B. & M., NEWHALL-POTRERO Field, LOS ANGELES County.
commencing work on JULY 5, 19 89.

The present condition of the well is: SHUT-IN

1. Total depth: 12,325'

2. Complete casing record, including plugs and perforations:
SEE ATTACHED

3. Last produced 12/25/77 (Date) Ø (Oil, B/D) 70 (Gas, Mcf/D) 3 (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: ±1600'

8. Base of fresh water sands: _____

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 25322 West Rye Canyon Road (Street)
Valencia (City) CA (State) 91355-0560 (Zip)
Telephone Number (805) 257-6200 (Area Code) (Number)

SUN EXPLORATION & PRODUCTION CO (Name of Operator)
By F. E. ARMIJO (Print Name)
F. E. Armijo (Signature) 6/20/89 (Date)

OG108 (11-78-GSRI-5M)

RECOMMENDED WORK PROCEDURE Sun–5036-3-C

WELL NAME	FIELD NAME	COUNTY	STATE
NCW #2	Newhall-Potrero	Los Angeles	CA

PERMANENT ZERO POINT	UPPERMOST PLUG	RETAINER
KB 13' AGL, GL 1281.14' ASL	12,325'	Model 'K' CI BP @ 11691-11700'

	SIZE & WEIGHT PROD	DEPTH SET	PACKER DEPTH (TOP) & TYPE	(1)	(2)	(3)
CASING	7" 23,26,29,32#	10,335'		None		

	SIZE, WEIGHT, GRADE, ETC.	DEPTH SET	TOP OF CEMENT BEHIND PROD CSG.	CALCULATED	LOG
TUBING	None	None		8470' Est	

	DEPTH SET	PERFS
Lnr:5" 18# J-55 & N-80	9240-12426'	11520-11660'; 12042-12283'

PROCEDURE	RIG TIME

CAPACITIES

13-3/8" 54.5# csg =	0.8679 cu.ft/lin.ft.	7" 23# csg =	0.2210 cu.ft/lin.ft.
7" 32# csg =	0.2025 cu.ft/lin.ft.	5" 18# csg =	0.0997 cu.ft/lin.ft.
7" 29# csg =	0.2085 cu.ft/lin.ft.	2-7/8" 6.5# csg =	0.03250 cu.ft/lin.ft.
7" 26# csg =	0.2148 cu.ft/lin.ft.	2-3/8" 4.7# csg =	0.02171 cu.ft/lin.ft.

1. MIRU WO rig. Install Class II 2M BOPE and test to 2000 PSI for 15 minutes. Fill hole w/LW (well capacity = ±2241 cu.ft. = 399 Bbls).

2. PU ±2550' of 2-3/8" 4.7# tbg and ±9141' of 2-7/8" 6.5# tbg. RIH w/sawtooth collar on 2-3/8" tbg on 2-7/8" tbg to top of CI BP @ 11691'. If fill is encountered, attempt to circulate clean to 11691'. Contact D.O.G. to witness cleanout (654-4761). Watch for junk on top of cmt on top of BP @ 11,691'.

3. MIRU cementers. Spot a balanced plug from 11691' to 11420' with 30 cu. ft. of class 'G' cement with appropriate additives. PU WS ±700' & reverse circulate with 60 BLW. WOC 4-6 hrs. Tag TOC.

4. Fill hole with 40 bbls of 72#/cu.ft. mud. POOH with ±2350' 2 7/8" WS.

5. Spot a balanced plug from 9340' to 9140' with 34 cu. ft. of class 'G' cement with appropriate additives. PU WS ±700' & reverse circulate with 50 BLW. WOC 4-6 hrs. Tag TOC.

6. Fill hole w/300 Bbls of 72#/cu ft mud. POOH w/±7500' of 2-7/8" & 2-3/8" tbg to ±1600'.

7. MIRU EWL Service. Perf 4 HPF @ 1700' w/1½ Hollow Carrier Through Tubing gun or similar. POOH & RD EWL.

8. RU cementers. Bradenhead squeeze w/40 cu ft of Class 'G' cmt w 3% $CaCl_2$ (100' of surf csg-prod csg annulus). Spot a 23 cu ft cmt plug in 7" csg from ±1700' to 1600'. PU WS ±500' & rev circ w/7 BLW. WOC 4-6 hrs. Tag TOC.

9. Fill hole w/64 Bbls of 72#/cu ft mud. POOH w/2-3/8" WS. Remove BOP's.

10. RIH w/1 jt of 2-7/8" tbg. Spot 6 cu ft of Class 'G' cmt w/3% $CaCl_2$ from 31' to 6' below GL. POOH w/2-7/8" tbg.

11. RIH w/1 jt of 1-1/2" tbg between 13-3/8" surf csg & 7" prod csg. Spot 15 cu ft of Class 'G' cmt w/3% $CaCl_2$ from 31' to 6' below GL. POOH w/1-1/2" tbg WOC 4 hrs. Tag TOC. RDMO cementers & rig.

12. Cut csg 5' below ground level. Remove cellar and flowlines, clean location. Weld plate marker over csg. Contact D.O.G. for surface abandonment approval.

OE3/300

WELL COMPLETION SKETCHES SUN–5036-4-A

WELL	FIELD	DATE
NCW #2	NEWHALL - POTRERO	6-12-89

☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

KB 13' AGL GL 1281.14'

13 3/8" 54.5 # J-55 SMLS CSG CMTD IN 17 1/2" HL. W/ 325 SX @ 452'

7" 23, 26, 29, 32 # J-55 + N-80 SMLS CSG IN 10 5/8" + 11" HL CMT W/ 600 SX @ 10,335' EST TOC @ 8470'

7" CSG PERF D W/ 4 - 1/2" HPF @ 9420-9430', 10120-10130', 10190 - 10200'

4 - 3/8" WSO HLS @ 9335', + 10310'

5" 18# J-55 + N-80 SMLS LNR FRM 9240 - 12426'

4-3/8" WSO HLS @ 11975 SQZD W/ 150 SX FRM 11998 - 900'

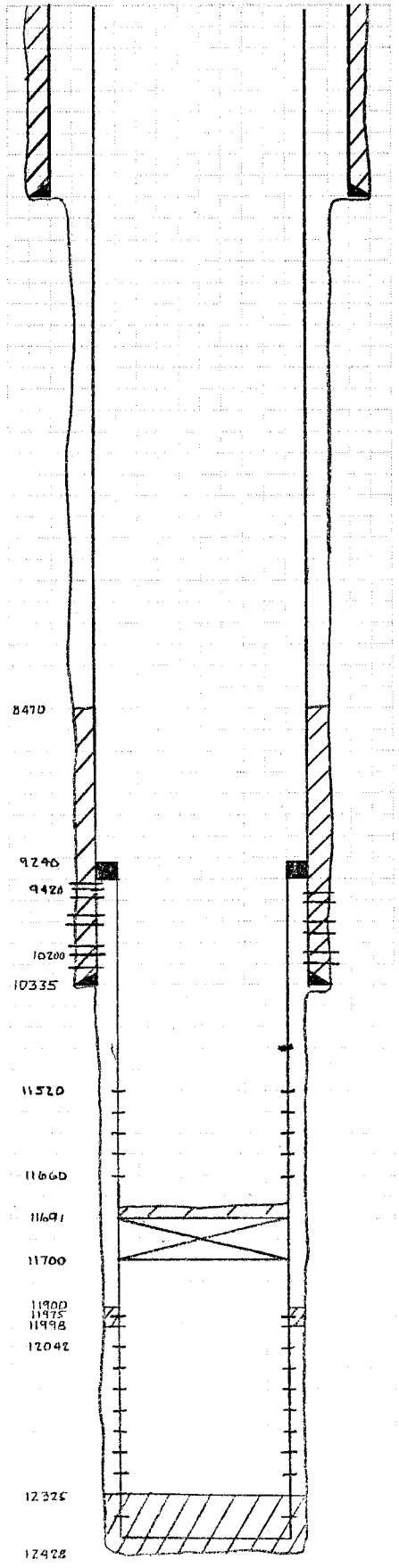
5" LNR PERF D W/ 168 - 1/4" HPF FRM 12042 - 283 12353 - 12425'

PERF 4 - 1/2" HPF FRM 11520-660'

CMT PLUG @ 12325 - 12428'

PBTD 12325'

TD 12428'



DATA ON THIS COMPLETION

MOD 'K' CI BP @ 11691'

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county	District
NEWHALL-POTRERO	2
Former owner	**Date**
Sun Oil Company	Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co.	Company
	Address: P.O. Box 55060, Valencia, Ca. 91355	Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor	Signature
Murray W. Dosch	Murray W. Dosch

OPERATOR STATUS ABBREVIATIONS

- PA – Producing Active
- NPA – No Potential, Active
- PI – Potential Inactive
- NPI – No Potential, Inactive
- Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

FORM 157 (11-48)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

1015 West Olympic Boulevard
Los Angeles 15, California, June 23, 1950

Mr. R. N. Foss
714 West Olympic Boulevard
Los Angeles 15, California

Agent for BARNSDALL OIL COMPANY

Dear Sir

Your request dated June 19, 1950, relative to change in designation of well(s) in the Newhall-Potrero field, District No. 1, has been received; and in accordance with Section 3203, Chapter 93, Statutes of 1939, reading in part as follows:

> "* * * The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor."

the proposed change in designation is hereby authorized as follows:

Sec. 26, T. 4 N., R. 17 W., S. B. B. & M.

Well No. "Newhall Corp. Wolfson" 2-5 will hereafter be known as your well No. "Newhall Corp.-Wolfson" 2.

Notations Made as Follows:	By Whom
Form 114	
" 115 ✓	EB
" 121	
" 148	
Cards ✓	
Production Reports ✓	EB
Well Records (Folders ✓	
Well Records (Reports	18 A JLW
Field Maps	JLW
Map Book	

eb
cc- Mr. R. D. Bush (2)
M. Cooley

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser
Deputy Supervisor

29422 11-48 2M SPO

BARNSDALL OIL COMPANY

PETROLEUM BUILDING

LOS ANGELES 15

CALIFORNIA DIVISION

DIVISION OF OIL AND GAS
RECEIVED
JUN 20 1950
LOS ANGELES, CALIFORNIA

June 19, 1950

Mr. E. H. Musser,
Division of Oil and Gas,
Los Angeles, California

Dear Sir:

Please refer to our well No. "Newhall Corp. - Wolfson" 2-5, located in Sec. 26, T. 4 N., R. 17 W., S.B.B.&M., Newhall-Potrero Field, in Los Angeles County.

Due to the fact that we are not certain of the designation of the zone from which this well is producing, we are changing the designation of the well to "Newhall Corp.-Wolfson" Well No. 2.

Will you please change your records accordingly.

Yours very truly,

BARNSDALL OIL COMPANY

By R. E. Foss
R. E. FOSS, Agent

JSH

K to write [illegible] change of designation

FORM 157

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

830 North LaBrea Avenue
Inglewood, California, 90302

November 20, 1963

Mr. J. O. McDonald
Route 1, Box 125
Newhall, California
Agent for SUNRAY DX OIL COMPANY

See corrected form 157 and list dated July 31, 1964, on "Rancho San Francisco" 12-12

DEAR SIR:

Your request dated November 11, 1963, relative to change in designation of well(s) in Sec. 21, 26 & 27, T. 4 N., R. 17 W., S. B. B. & M., Newhall-Potrero field, Los Angeles County, District No. 1, has been received;

and in accordance with Section 3203, Public Resources Code, reading in part as follows:

> "* * * The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor."

the proposed change in designation is hereby authorized as follows:

(See attached list)

cc

cc Mr. E. R. Murray-Aaron
Production Dept.
Conservation Comm.

E. R. MURRAY-AARON
State Oil and Gas Supervisor

By Wm. C. Bailey
Deputy Supervisor

55499 12-61 4M △ SPO

	Old Designation	New Designation
Sec. 26-4N-17W	"Rancho San Francisco" 12-123	"Rancho San Francisco" 12-12
Sec. 27-4N-17W	"Rancho San Francisco" 13-1	"Rancho San Francisco" 13-13
	"Rancho San Francisco" 17-1	"Rancho San Francisco" 17-11D
	"Rancho San Francisco" 46-3	"Rancho San Francisco" 46-3A
Sec. 26-4N-17W	"Rancho San Francisco" 52-3	"Rancho San Francisco" 52-33A
	"Rancho San Francisco" 57-3	"Rancho San Francisco" 57-33A
Sec. 27-4N-17W	"Rancho San Francisco" 62-3	"Rancho San Francisco" 62-33A
Sec. 21-4N-17W	"Rancho San Francisco" 67-3	"Rancho San Francisco" 67-33A
Sec. 27-4N-17W	"Rancho San Francisco" 86-3	"Rancho San Francisco" 86-33A
	"Rancho San Francisco" 112-3	"Rancho San Francisco" 112-3A
	"Rancho San Francisco" 114-3	"Rancho San Francisco" 114-3A
	"Rancho San Francisco" 121-6	"Rancho San Francisco" 121-3
	"Rancho San Francisco" 124-7	"Rancho San Francisco" 124-67
Sec. 26-4N-17W	"Newhall Corp.-Wolfson" 2	"Newhall Corp.-Wolfson" 2-7

SUBMIT LOG IN DUPLICATE

FILL TH ANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PA NLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
JUL 7 1950
LOS ANGELES

WELL SUMMARY REPORT

Operator BARNSDALL OIL COMPANY Field NEWHALL-FOTHERO

Well No. Newhall Corp.-Wolfson 2 Sec. 26, T. 4 N., R. 17 W., S.B. B. & M.

Location 4029.88' S. & 9633.96' E. of Cor. "J" Elevation of ground~~or~~ kelly bushing above sea level 1294.14 / 1281.14 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 30, 1950

Signed R. E. FOSS

H. M. Stanley (Engineer or Geologist)

T. J. Prehoda (Superintendent)

Title Agent (President, Secretary or Agent)

Commenced drilling 9-17-49 Completed drilling 5-1-50 Drilling tools Rotary

Total depth 12,428' Plugged depth 12,325'

Junk None

GEOLOGICAL MARKERS — DEPTH

Commenced producing 5-1-50 (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	117	24.6°	11%	40	200#	700#
Production after 30 days	70	25.4°	8%	35	100#	150#

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 Cementing if through perforations
13 3/8"	452'	Surface	54.5#	New	Smls.	J-55	17½"	325	
7"	10,335'	Surface	32, 29 & 26#	New	Smls.	J55&N80	10 5/8" & 11"	600	
5"	12,426'	9240'	18#	New	Smls.	J55&N80	10 5/8" & 5 7/8"	150	11,998'

PERFORATIONS

Size of Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
5"	12,042 ft.	12,283 ft.	1/4" Rd. Holes (168/ft)	14	1"	Shop
	12,353 ft.	12,425 ft.	" " " "	14	1"	"
7"	10,200 ft.	10,190 ft.	4 - 1/2" Holes/ft			B-J Perfo-Jet
	10,130 ft.	10,120 ft.	" "			" " "
	9,430 ft.	9,420 ft.	" "			" " "
5"	11,660	11,520	4 - 1/2" Holes/ft.	12,408		" " "

Electrical Log Depths (Attach Copy of Log)

HMS-JSH

FORM 103. 62984 9-46 47,500
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 7 1950
LOS ANGELES

History of Oil or Gas Well

OPERATOR BARNSDALL OIL COMPANY FIELD NEWHALL-POTRERO

Well No. Newhall Corp.-Wolfson 2, Sec. 26, T. 4 N., R. 17 W., ~~S.B.~~ B. & M.

Signed R. E. Foss

R. E. FOSS

Date June 30, 1950 Title Agent
(President, Secretary or Agent)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

Date	
1949	
9-17	Depth 472'. Opened 11" hole to 17½" to a depth of 452'.
9-18	Ran 13 3/8" - 54.5# csg. & cemented shoe @ 452' w/325 sx. Cmt. returns to surface.
9-19	Depth 669'. Drilled out cmt. from 423' to 452' w/11" bit. Made hole w/11" bit.
10-7	Depth 5438'. First Run Schlumberger Electric Log to 5437' and drilled ahead w/11" bit.
11-29	Depth 10143'. Second Run Schlumberger Electric Log to 10,143' & drilled ahead w/11" bit.
12-1	Depth 10231'. Third Run Schlumberger Electric Log to 10,228' & drilled ahead w/10 5/8" bit.
12-2	Depth 10309'. Fourth Run Schlumberger Electric Log to 10,304' & drilled ahead w/10 5/8" bit.
12-3	Depth 10371'. Fifth Run Schlumberger Electric Log to 10,368'. Ran 7" - 32#, 29#, 26# & 23# N-80 & J-55 Extreme Line & T&C csg. cmt'd. shoe @ 10,335' w/600 sx (100 sx @ 95# & 500 sx @ 116# slurry)
12-9	Depth 10325'. Drilled out cmt. w/ 5 7/8" bit from 10,244' to 10,325'. Shot 4 - 3/8" holes @ 10,310' w/McCullough Gun. Ran Johnston Tester on 3½" - 15.50# I.F. drill pipe. Used 1600' mud cushion. Set packer @ 10,239' w/tailpc. to 10,256'. Opened valve thru a 3/8" bottom bean for 1 hour 5 min. Medium steady blow 3 min., dead 2 min., faint blow 1 min., dead remainder of test. Rcv'd. 40' drilling fluid. Test witnessed & WSO approved by Norman Sampson of Div. of Oil & Gas.
12-10	Depth 10,386'. Drilled out cmt. w/5 7/8" bit (shoe chk'd. @ 10,334'). Changed to Ken-Oil.
12-19	Depth 10,683'. Cored from 10,386' to 10,683' w/5 7/8" diamond bit. Sixth Run Schlumberger Electric Log to 10,681'.
12-21	Depth 10,683'. Hung production tubing @ 10,343' (Bare-foot completion) w/ 7 McEvoy Valves from 10,238' up. Well on production had up to 99% water cuts.
12-28	Depth 10,683'. Killed well w/Ken-Oil & pulled production tbg.
12-29	Depth 10,680'. Cleaned out w/5 7/8" bit. Bridges @ 10,402' to 10,406', 10,423' to 10,470' & filled in solid from 10,533' to 10,680'.
12-30	Depth 10,680'. Ran Johnston Tester on 3½" d.p. w/540' mud cushion. Set packer @ 10,295' w/tailpc. to 10,317'. Valve open for 5 hrs. 43 min. thru a 3/8" btm. bean. Medium strong blow 55 min., medium to light

--Continued--

steady blow 15 min., light steady blow of gas 68 min., medium light blow 40 min., very slight blow 10 min., medium light blow 30 min., very slight blow 20 min. & medium light blow 85 min. Rec. 3000' net (9 stds. Ken-Oil, 13 stds. Ken-Oil & oil, 13½ stds. gas & oil cut Ken-Oil). No free water. Max. BHP of 1500# to 1700#. Valve open throughout test.

12-31 Depth 10,680'. Hole filled up solid from 10,680' to 10,628'. Cleaned out w/5 7/8" bit.

1950

1-1 Depth 10,325'. Set Baker Model "K" magnesium bridging plug @ 10,325'. Laid cmt. plug through 2½" E.U. tbg. & 3½" d.p. hung @ 10,324'. Used 25 sx. Victor modified cmt. mixed to 116# slurry. Backscuttled @ 10,245' w/No cmt. returns.

Cmt. stringers @ 10,248' to 10,252' & 10,314' to 10,318' (No solid cmt.)

1-2 Depth 10,325'. Laid cmt. plug thru 2½" E.U. tbg. & 3½" D.p. hung @ 10,324'. Used 25 sx. Victor Modified cmt. Did not backscuttle. Cmt. mixed to 116#. Felt for cmt. & found none.

1-3 Depth 10,325'. Laid cmt. plug thru 2½" E.U. tbg. & 3½" d.p. hung @ 10,324'. Used 50 sx. Victor modified cmt. mixed to 116# slurry. Back scuttled cmt. & mud (clay mud put in ahead and behind cmt.).

Depth 10,250'. Drilled out firm cmt. from 10,173'.

1-4 Depth 10,250'. Shot 4 - 3/8" holes @ 9335' w/McCullough Gun.

Ran Johnston Tester on 3½" d.p. w/1000' water cushion. Set packer @ 9317' w/tailpc. to 9334'. Valve open for 1 hr. thru a 3/8" btm. bean. Strong steady decreasing to light steady blow in 3 min. Light steady blow 19 min., very light blow 13 min., faint blow 10 min., dead 15 min. Rec. 540' net of heavy mud, watery mud, muddy water, oil base mud & some oil & gas. Test witnessed & W.S.O. approved by Lloyd White of the Div. of Oil & Gas.

Shot 4 - 1/2" holes per ft. from 9430' to 9420' w/B.J. Perfo-Jet.

1-5 Depth 10,250'. Ran Johnston Tester on 3½" d.p. w/215' water cushion. Set packer @ 9377' w/tailpc. to 9394'. Valve open for 1 hr. thru a 3/8" btm. bean. Light steady blow 5 min., medium blow 55 min. Fluid dropped an est. 20' in annulus (13 3/8" csg. & 3½" d.p.) after first 10 min.

Pulled loose & re-set packer @ 9334' w/tailpc. to 9331'. Valve open for 6 hrs. thru a 3/8" btm. bean. Light steady blow 45 min., decreasing to faint blow in 45 min., faint blow 1 hr. 45 min., increasing to light blow for remainder of test. Rcv'd. 65 stds. (5950') of muddy red colored gassy & oily water w/some gas cut. Ken-Oil. BHP charts showed press. build-up of 1700# on first setting & 1000# on second setting. Max. BHP of 2700# to 2800#.

1-6 Depth 10,250'. Shot 4 - 1/2" holes per foot from 10,130' to 10,120' w/B.J. Perfo-Jet.

Ran Johnston Tester on 3½" d.p. w/215' water cushion. Set packer @ 10,084' w/tailpc. to 10,101'. Valve open 5 hrs. thru a 3/8" btm. bean. Strong steady blow 3 min., medium steady blow 23 min. & light to very light blow 4 hrs. 34 min. Rcv'd. 26 stds. fluid (2356'), 2 stds. thin water base mud w/oil emulsion, 20 stds. thin gas cut muddy red water w/oil stains, 1 1/3 stds. thick gas cut Ken-Oil & 2 2/3 stds. muddy water w/gas, oil stains & red color. BHP charts showed tester open thruout test w/press. build-up from 1100# to approx. 1200#.

1-7 Depth 10,250'. Shot 4 - 1/2" holes per foot from 10,200' to 10,190' w/B.J.

---Continued---

Perfo Jet.
Ran Johnston Tester on 3½" d.p. w/215' water cushion. Set packer @ 10,167' w/tailpc. to 10,184'. Valve open for 2 hrs. thru a 3/8" btm. bean. Light steady blow 10 min., decreasing blow 1 hr. 5 min., dead 45 min. Fluid dropped approx. 6' in annulus (13 3/8" csg. & 3½" d.p.). Rcv'd. 182' of Ken-Oil (66½#/c.f. to 70#/c.f.) BHP charts showed tester open thrucut test w/no press. build-up.

1-8 Depth 10,680'. Drilled out cmt. from 10,325' to 10,400'.

1-13 Depth 10,682'. Drilled on junk & recovered junk (cones & slips from retainer).

1-14 Depth 10,687'. Cored ahead from 10,682' w/5 7/8" head.

2-10 Depth 11,317'. Se venth Run Schlumberger Electric Log to 11,300'.

2-20 Depth 11,668'. Eighth Run Schlumberger Electric Log to 11,645'.

3-8 Depth 12,051'. Ninth Run Schlumberger Electric Log to 12,046'.

3-17 Depth 12,247'. Tenth Run Schlumberger Electric Log to 12,247'.

3-27 Depth 12,428'. Eleventh Run Schlumberger Electric Log to 12,408'. Induction log only below 12,247'. Caliper log to 12,426'.

3-30 Depth 12,428'. Hung 5" - 18# F.J. J-55 & N-80 perf. & blank liner w/open shoe at 12,426' & hanger at 9240'. C.P. w/solid baffle float at 11,998', thru 3½" d.p. & 67' - 2½" E.U. tbg. w/down swab rubbers at 9283'. Used 150 sx. Permanente Hi-Temp cmt. mixed to 110# slurry.

3-31 Depth 11,992'. Top of cmt. (Felt for cmt. w/4" bit).
Shot 4 - 3/8" holes @ 11,975' w/McCullough Gun.

4-1 Ran Johnston Tester on 3½" d.p. & 2 7/8" tbg. w/2500' water cushion. Set packer @ 11,933' w/tailpc. to 11,948'. Valve open thru a 3/8" btm. bean for 1 hour. Medium steady blow 1 min., light steady blow 21 min., very light blow 21 min., faint blow 11 min., dead 7 min. Recovered 1185' slightly gassy oil base mud w/no water. Test witnessed & W.S.O. approved by Lloyd White of the Div. of Oil and Gas.

4-2 Depth 11,428'. Drilled out cmt. & baffle w/4" bit.
Ran Johnston Tester on 2½" tbg. w/21 2/3 stds. oil cushion.

4-3 Set packer @ 11,934' w/tailpc. to 11,949'. Opened tester thru a 1/2" btm. bean @ 7:57 P.M. (4-2-50). Fluid rose to 3515' in 13 1/4 hrs. Swabbed 135 bbls. gross or 124 bbls. net in 62 1/4 hrs. Cuts ranged from .4% to 40% of Baroid & water. Gravity ranged from 16.6° to 24.2°. Pulled packer loose @ 10:30 A.M. 4-5-50.

4-6 Depth 11,428'. Set Baker Model "K" magnesium retainer @ 12,339'. Tried to circ. behind blank 12,353' to 12,283'. Could not circulate freely. Opened tool & could not circ. freely. Backed off tool & pulled out.

4-8 Depth 11,339'. Set second Baker Model "K" magnesium retainer at 12,335'. Cemented behind blank w/25 sx. Perma-temp cmt. following 56 c.f. diesel oil & 52 c.f. 80# clay mud. Max. press. 3400#.

4-9 Depth 12,334'. Drilled out cmt. from 12,220' to 12,334' w/4" bit.

4-10 Depth 12,334'. Shot 4 - 3/8" holes @ 12,305' w/McCullough Gun.
Ran Johnston Tester - tester failed.

4-11 Depth 12,334'. Ran Johnston Tester on 3½" d.p. & 2½" tbg. Used 2500' water cushion. Set packer @ 12,295' w/tailpc. to 12,310'; valve open for 19 min. thru a 1/2" btm. bean. Light steady blow for 19 min. Fluid dropped down annulus continually (approx. 35' lost in 19 min.). Rec. 7 1/3 stds. Ken-Oil (no gas).

4-12 Depth 12,334'. Cemented thru 4 - 3/8" holes @ 12,305' using Baker Retrievable Retainer. Put an est. 10 sx. behind blank. Max. press. of 4500#, broke down to 3400#. Left lower part of retainer in hole (12,295' depth).

4-15 Depth 12,325'. Drilled out retainer & cmt. 12,125' to 12,325' w/4" bit.
Shot 4 - 3/8" holes @ 12,304' w/McCullough Gun.

--Continued--

4-15 Depth 12,325'. Ran Johnston Tester on 3½" d.p. & 2½" tbg. w/2500' water cushion. Set packer at 12,290' w/tailpc. to 12,304'. Valve open for 1 hr. thru a 3/8" btm. bean. Medium steady decreasing to light blow 15 min., faint blow decreasing to dead in 8 min. Dead for remainder of test. Recovered 40' of Ken-Oil. No drop of fluid in annulus. BHP charts showed tester open w/no press. build-up. B.H.T. 224° F.

4-16 Depth 12,321'. Hole filled in, cleaned out from 12,320' to 12,321' w/4" bit. Washed liner from 12,275' to 12,040'.

4-17 Ran Johnston Tester on 3½" d.p. & 2½" tbg. Set packer @ 12,000' w/tailpc. to 12,015'. Used 1500' water cushion. Valve open for 3 min. thru a 1/2" btm. bean. Fluid dropped in annulus indicating communication between W.S.O. hole @ 11,975' & perf. Pulled packer loose & fluid continued to drop in annulus. Two main valves were cut out.

4-18 Depth 12,311'. Hole filled in.
Ran Johnston Tester on 3½" d.p. & 2½" tbg. w/1500' water cushion. Set packer @ 11,963' w/tailpc. to 11,978'. Valve open for 12 hrs. thru a 1/2" bottom bean. Light steady blow 2 min., very light blow 4 min., light steady blow 22 min., very light blow 50 min & faint blow for remainder of test. Net rise, 2760' of oil, gas& Ken-Oil. No water. BHP charts indicated tester open thru-out test w/press. build-up from 1000# to 1950#. Lost an est. 17½ c.f. Ken-Oil down annulus during test. Net entry from zone an est. 13½ bbls.

4-19 Laid cmt. plug thru 2" & 2½" tbg. from 9424' to 9253' using 25 sx. Colton Hi-Temp cmt. mixed to 115# slurry.

4-20 Depth 9255'. Drilled out solid cmt. from 9253' to 9255' w/4" bit.

4-21 Depth 9255'. Set Baker Model "K" magnesium retainer at 9221'. Squeezed liner lap (top at 9240'). Put est. 46 sx. behind liner. Used 50 sx. Permanente Perma-temp cmt. mixed to 114# slurry. Max. press. of 3300#.

4-22 Depth 9255'. Drilled out cmt. & retainer from 9213' to 9240' w/5 7/8" bit. Drilled out cmt. from 9240' to 9246' w/4" bit. Cleaned out to 9255' (top of cmt. plug) w/4" bit.

4-23 Depth 9255'. Ran Johnston Tester on 3½" d.p. w/1500' water cushion. Set packer at 9200' w/tailpc. to 9217'. Valve open for 1 hour thru a 3/8" btm. bean. Medium steady blow 10 min., light steady blow 10 min., faint blow 10 min. & dead for 30 min. Net rise 25' of Ken-Oil. BHP charts showed tester open for duration of test w/no press. build-up. Test witnessed & W.S.O. on liner lap approved by Paul Betts of the Div. of Oil & Gas.

4-24 Depth 12317'. Drilled out cmt. from 9255' to 9424' & cleaned out to bottom at 12,317' w/4" bit.

4-25 Hung production tubing at 12,238' w/6" McEvoy Gas Lift valves (from 9114' to 4585').
Changed over from Ken-Oil to oil.

4-29 Depth 12317'. Killed well with salt water. Pulled tubing.

4-30 Shot 4 - 1/2" holes/ft. from 11,660' to 11,520' (520 holes).

5-1 Depth 12317'. Hung production tubing at 11,648' w/6 McEvoy Gas Lift Valves (from 9205' to 4709').
Changed from salt water to oil and completed well.

The well number has been changed to N.C.W. #2 due to the fact that the designation of the zone from which the well is producing is not certain.

HMS-JSH

037-12614

PETROLEUM TECHNOLOGISTS, INC.
PRODUCTION RESEARCH - CORE ANALYSIS
RESERVOIR ENGINEERING
868 TRUCKWAY
MONTEBELLO, CALIFORNIA
UNION 1-5336

26-4-17

HORN S. JOHNSTON
PRESIDENT

N. VAN WINGEN
VICE PRESIDENT

DIVISION OF OIL AND GAS
RECEIVED
JAN 2 1978
SANTA PAULA, CALIFORNIA

December 15, 1949

Sun Oil Co
~~Barnsdall Oil Company~~
Mr. Oran Graybeal
P. O. Box 280
Newhall, California

Well No. NCW 2-~~5~~ 7
Field: Newhall-Potrero

Depth	Porosity	Air Permeability	O/W Ratio	Saturation of Pore Space %Oil	%Water	Total Liquid
10426	11.1	9	0.28	10.0	35.2	45.2
10430	8.9	1.2	0.0	0.0	22.6	22.6
10433	10.8	3.6	0.30	12.5	41.7	54.2
10435	10.2	7.8	0.22	9.0	40.5	49.5
10437	8.8	6.8	0.32	13.0	41.5	54.5
10439	8.7	12.0	0.75	19.8	26.1	45.9
10441	11.0	5.3	0.19	8.9	47.8	56.7
10445	6.5	1.0	0.45	20.8	47.0	67.8
10448	12.8	16.0	0.27	12.8	47.5	60.3
10451	10.2	0.8	0.33	16.1	48.2	64.3
10452.5	9.9	2.8	0.38	17.4	45.8	63.2
10453	9.8	0.2	0.35	13.7	38.5	52.2
10455.5	13.8	33.0	0.74	23.2	31.4	54.6
10457	11.0	9.0	0.42	16.3	38.5	44.8
10459	12.8	46.0	0.49	16.2	33.5	49.7
10461	10.1	60.0	0.87	25.5	29.4	54.9
10464	12.6	51.0	0.64	19.8	30.8	50.6
10467	9.4	1.7	0.30	6.7	22.2	28.9
10471	9.8	15.0	0.41	14.0	34.2	48.2
10475	10.7	0.6	0.22	11.8	52.5	64.3
10476	14.4	18.0	0.50	16.8	34.0	50.8
10478	11.6	3.2	0.11	5.2	46.5	51.7
10480	9.7	13.0	0.36	15.9	43.5	59.4
10481	14.5	10.0	0.25	10.6	43.2	53.8
10483	11.7	22.0	0.40	12.6	30.8	43.4
10485	8.6	17.0	0.35	16.0	45.8	61.8
10487	13.8	9.5	0.19	8.9	47.2	56.1
10489	16.9	19.0	0.29	11.7	40.8	52.5
10491	15.2	19.0	0.39	14.7	37.8	52.5
10493	14.2	8.5	0.29	12.2	42.2	54.4
10495	13.5	11.0	0.25	10.4	42.1	52.5
10497	14.4	8.8	0.26	10.7	41.9	52.6
10499	8.8	12.0	0.26	10.3	39.1	49.4
10501	9.2	16.0	0.38	10.6	31.0	41.6
10503	9.2	6.4	3.16	45.5	14.4	59.9
10505	7.2	38.0	0.35	11.8	33.3	45.1
10507	12.8	6.2	0.21	10.1	47.6	57.7

CORE ANALYSIS (CONT'D)

Barnsdall Oil Company - 2 - December 15, 1947

Depth	Porosity	Air Permeability	O/W Ratio	%Oil	%Water	Total Liquid
10509	8.7	4.4	0.14	7.6	52.3	59.9
10511	13.1	5.7	0.37	14.3	38.8	53.1
10512	13.5	14.0	0.39	14.1	36.3	50.4
10514	10.9	4.6	0.15	6.3	43.0	49.3
10516	13.4	9.2	0.21	8.9	41.8	50.7

Norris Johnston

Norris Johnston

PETROLEUM TECHNOLOGISTS, INC.
PRODUCTION RESEARCH — CORE ANALYSIS
RESERVOIR ENGINEERING
668 TRUCKWAY
MONTEBELLO, CALIFORNIA
UNION 1-5338

MORRIS JOHNSTON
PRESIDENT

N. VAN WINGEN
VICE PRESIDENT

December 21, 1949

CORE ANALYSIS

Mr. Oran Graybeal
~~Barnsdall Oil Company~~ Sun Oil Co
P. O. Box 280
Newhall, California

Well SCR 2-5
Newhall-Potrero Field

Depth	Porosity	Air Permeability	G/W Ratio	Saturation of Pore Space % Oil	% Water	Total Liquid
10626	10.8	9.0	0.37	17.3	47.0	64.3
10627	12.5	12.0	0.37	20.5	55.7	76.2
10629	9.5	2.1	0.43	21.4	48.4	69.8
10631	14.3	16.0	0.20	12.4	62.2	74.6
10633	5.8	3.1	0.85	31.8	37.7	69.5
10635	14.5	39.0	0.42	20.1	47.8	67.9
10641	12.7	6.1	0.08	4.8	59.6	64.4
10643	9.7	4.0	0.63	26.3	42.0	68.3
10646	9.9	31.0	1.35	35.0	26.0	61.0
10650	11.0	23.0	0.46	24.9	53.5	78.4
10653	8.5	3.6	0.81	35.8	44.5	80.3

Morris Johnston

PETROLEUM TECHNOLOGISTS, INC.
PRODUCTION RESEARCH - CORE ANALYSIS
RESERVOIR ENGINEERING
868 TRUCKWAY
MONTEBELLO, CALIFORNIA
UNION 1-5236

NORRIS JOHNSTON
PRESIDENT

N. VAN WINGEN
VICE PRESIDENT

December 20, 1949

Mr. Oran Graybeal
~~Barnsdall Oil Company~~ Sun Oil Co
P. O. Box 280
Newhall, California

Well No. [illegible] 27
Field: Newhall-Potrero

Depth	Porosity	Air Permeability	O/W Ratio	Saturation of Pore Space %Oil	%Water	Total Liquid
10580	12.2	22	.37	17.6	48.7	66.5
10582	11.8	0.9	.53	14.7	44.1	58.8
10583	14.8	31	.86	29.4	34.0	63.4
10586	15.9	16	.16	8.8	59.6	65.4
10588	17.0	20	.23	10.7	47.4	58.1
10589	14.7	8.5	.27	14.0	51.5	65.5
10591	13.1	14	.30	16.8	56.4	73.2
10592	18.9	204	.60	24.1	40.6	64.7
10593	17.8	176	.64	24.6	38.7	63.3
10595	3.3	0	1.20	46.0	37.9	83.9
10596	6.3	0.5	.17	10.4	60.3	70.7
10597	16.8	23	.18	9.8	54.8	64.6
10599	16.8	24	.24	12.4	51.4	63.8
10600	13.8	11	.15	9.5	62.3	71.8
10602	16.8	22	.36	19.1	52.7	71.8
10603	16.4	41	.25	14.5	57.5	72.0
10605	5.7	69	1.12	45.5	41.8	88.6
10607	13.8	31	.33	15.9	48.6	64.5
10609	12.3	20	.32	16.1	50.8	66.9
10610	14.8	2.5	.12	7.5	60.7	68.2
10611	11.9	2.8	.21	12.9	62.2	75.1
10615	13.4	63	.74	32.5	43.6	75.2
10618	12.3	24	.27	14.2	52.0	66.2
10620	10.8	16	.08	5.6	67.6	73.2
10621	10.3	3.9	.28	17.0	60.0	77.0
10622	12.9	10	.26	14.0	54.8	68.8
10623	11.8	28	.18	11.5	60.9	72.2

Norris Johnston

PETROLEUM TE[illegible] INC.

PRODUCTION [illegible]

RESERVOIR [illegible]

[illegible]

MONTEBELLO, CALIFORNIA

[illegible]

December 11, 19[illegible]

CORE ANALYSIS

Sun Oil Co
~~[illegible] Oil Company~~
P. O. Box 285
Newhall, California

Well No. [illegible]
[illegible] Field

Depth	Porosity	Air Permeability	O/W Ratio	Saturation % of Pore Space: Oil	Water	Total
10387	15.4	1.7	0.14	7.6	[illegible]	54.[illegible]
10391	13.3	2.4	0.27	11.9	15.1	[illegible]
10393	13.4	11.0	0.54	10.8	[illegible]	[illegible]
10395	13.3	1.6	0.10	11.7	[illegible]	[illegible]
10398	11.1	1.0	0.13	9.0	[illegible]	[illegible]
10406	11.1	6.5	[illegible]	12.6	[illegible]	[illegible]
10407	10.3	[illegible]	0.42	8.4	[illegible]	[illegible]
10409	8.9	6.5	0.40	17.4	[illegible]	[illegible]
10411	9.1	0.2	[illegible]	12.9	[illegible]	[illegible]
10412	13.0	2.7	0.24	9.7	26.0	[illegible]
10413	11.9	7.4	0.23	8.8	36.0	[illegible]
10414	[illegible]	1.[illegible]	[illegible]	11.[illegible]	[illegible]	[illegible]
10415	8.7	1.1	0.27	12.[illegible]	16.[illegible]	[illegible]
10416	7.8	[illegible]	[illegible]	12.[illegible]	11.[illegible]	[illegible]
10417½	9.2	16.0	0.3[illegible]	[illegible]	[illegible]	[illegible]
10419	10.7	10.0	0.22	9.3	[illegible]	[illegible]
10420	13.3	2.[illegible]	0.16	7.7	[illegible]	[illegible]
10422	10.[illegible]	2.4	0.14	7.1	19.3	[illegible]
10423	14.1	1.3	0.41	11.7	[illegible]	[illegible]
10425	11.3	6.9	0.16	12.6	[illegible]	[illegible]

Norris Johnston

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BARNSDALL OIL COMPANY

Form #10-00

DRILLING OR REPAIR PROGRAM

Conditions		Depth
Present	Proposed	
/////	/////	

JOB ORDER: Sun Ave B Date 9-12-49

Drilling [illegible] Field WILMINGTON-TORRANCE

Production [illegible] Well N.C.W. ~~10-5~~ 2-2

General Manager
- [ ] General Superintendent (2)
- [ ] Geological Department
- [ ] Purchasing Agent
- [ ] Materials Man
- [ ] Accounting Department

Chief Engineer
- [ ] Drilling Superintendent
- [ ] Drilling Foreman
- [ ] Drilling Engineer
- [ ] Production Superintendent
- [ ] District Prod. Superintendent
- [ ] Production Engineer

Purpose of this program and Objective

Elev. K.B. 129½.14'

1. Drill 17½" hole to 450' ± and set 13 3/8" casing at about 450' in 17½" hole.
2. Drill 12¼" hole with 11" bit.
3. Start and keep hourly drilling rate logs at shoe of 13 3/8".
4. Take directional deviation survey after each bit run.
5. Run core barrel in top at about 5000'.
6. Take cores of productive 5th zone at 10,275'.
7. Run temperature zone, electric logs, etc. find top of productive 5th zone.
8. If zone is found at proper depth, cement 7" 23, 26, 29 & 32# casing with 600 sx. Modified Cement.
   a. Run Dowe-Whirler float shoe.
   b. Run cement float collar on top of Jt. #2.
   c. Run 5 guides and 10 scratchers on Jts. #1 & 2.
   d. Reduce mud weight to 78# and circulate after casing is run.
   e. Run plug holding head and double rubber plugs.
   f. Put 100 cu. ft. of water with 50# of Pyro ahead of cement.
   g. Mix first 100 sx. cement at 95# slurry and the remainder at 116# slurry.
9. Drill out cement to 10 ft. above shoe.
   a. Check depth of float collar.
10. Shoot 1 - 3/8" holes at W.S.O. point.
11. Run Johnston Tester for W.S.O. test.
   a. Use 1500' of mud cushion.
   b. Leave open one hour.
   c. Notify Div. of Oil & Gas to witness.
12. If pressure not shut off, cement and test until satisfactorily approved.
13. Change to Low-Oil Base Mud.
14. Drill out shoe and make 15' of 6" hole.
   a. Check depth of shoe.
15. Core-chisel continuously with 6" diamond core-head thru 5th zone.
   a. Wrap in cores for analysis every 2 ft.
16. Rec. base of 5th zone at 10,600'.
17. Run electric log to bottom.
18. Run 5½" 17# F.J. liner shop-perforated with 192 - 1/4" round holes per foot.
19. Run 2" production tubing.
20. Change from oil-base mud to oil.
21. Complete well.

CALIFORNIA DIVISION

SUNRAY OIL CORPORATION

Form #10-OD

DRILLING OR REPAIR PROGRAM

Conditions Present	Conditions Proposed	Depth

AFE Sun Oil Co Date Dec. 29, 1953

Drilling _____ Field Newhall Potrero

Production ✓ Well NCU #2-7

- ☐ General Manager
- ☐ Production Manager
- ☐ Geological Department
- ☐ Materials Man
- ☐ Accounting Department (2)
- ☐ Chief Engineer
- ☐ Reservoir Engineer
- ☐ Development Engineer (15)
- ☐ Production Superintendent
- ☐ District Prod. Superintendent
- ☐ Production Engineer

PROPOSED WORK:

Elev. of K.B. 13' Above Mat.

Present Well Condition

7" 23, 26, 29 & 32# Casing Cmtd. @ 10,335'

5" 15# N-80 Liner w/ Top of Adapter @ 9240' & Shoe @ 12,426'

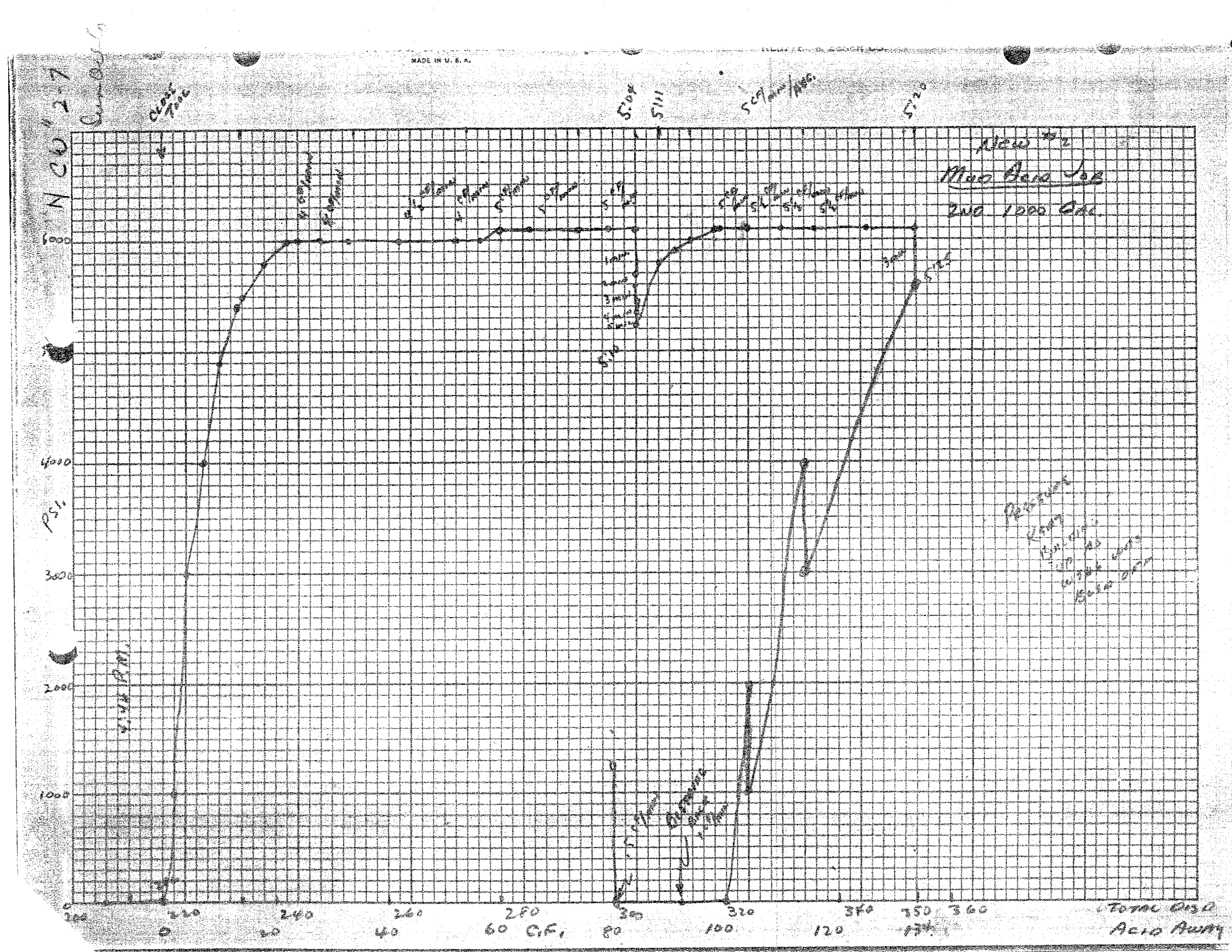
Cast Iron Bridge Plug @ 11700'

Cmt. Plug To 11681' (Junk on Top of Plug)

6 - ½" Holes/Ft. 11,520 To 11,660'

Proposed Work

1. Move in Production Rig
2. Pull Rods & Pump
3. Kill Well & Circulate w/ Salt Water
4. Install B.O.P.
5. Pull Tubing
6. ~~Scrape 5" Liner w/ Casco Csg. Scraper To 11691'~~
7. ~~Circulate From 11630'~~
8. ~~Pull Scraper &~~ Run In Hole w/ Baker Model R.T. Retainer w/ Circulating Joint. (Collar @ 11498', Set Retainer @ Approx. 11505'.
9. Using (1) Cmt. Truck Displace water in Tubing w/ Mud Acid And Squeeze Acid into Formation Using Water For Displacing Fluid. Swab Acid out of Formation. Repeat if Necessary. If Ineffective, Displace Water w/ Gel Acid Followed By Wash Acid And Displace With Water & Squeeze Acid Away. Swab well Back To Tanks.
10. Pull Retainer & Tubing.
11. Run Tubing & Rods & Put Well on Production



MADE IN U.S.A.
New #2
Mud Acid Job
2nd 1000 Gal.
Close Tool
5:04
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6000
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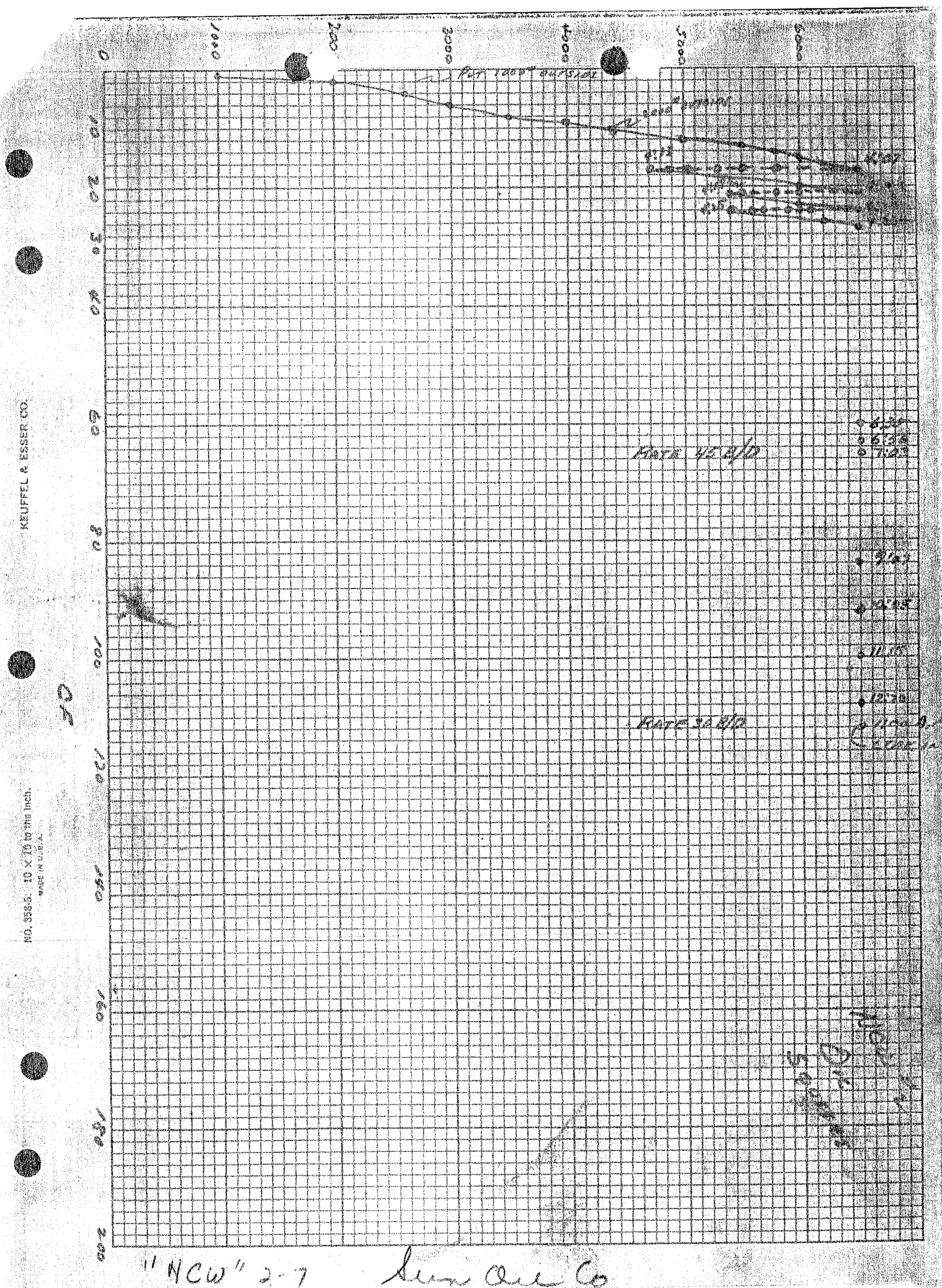
KEUFFEL & ESSER CO.
NO. 358-5 - 10 X 10 to the inch.
MADE IN U.S.A.
"NCW" 2-7

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

DIVISION OF OIL & GAS
RECEIVED
APR 10 1950
LOS ANGELES

COUNTY LOS ANGELES FIELD OR DIST. NEWHALL-POTRERO COMPANY BARNSDALL OIL COMPANY WELL N.C.W. #2-5

LOCATION 4029.88' S & 9633.96' E from Corner "J" SECT. 26 T. 4N R. 17W ELEV. KB 1294.14'

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION (INCLUDING HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES)	F/D
1949											NOTE OIL BASE MUD USED	
12/12	Mercury	6"	10,386 - 10,403		13'			1'	x	x	1' interbedded sand and calcite cemented sand grading to pure limestone locally. Light to medium lead gray, fine to medium grained, silty patches and streaks, quartzose, micaceous, scattered gray grains. Hard to firm locally, difficultly friable to friable, massive, highly broken and fractured, calcite cemented. Permeable sands, light amber color, possibly due to oil mud.	D
										1½'	1½' oil sand, medium yellow gray, coarse, pebbly with pebbles to 1/2", quartzose, micaceous, irregular streaks and patches of silty material. Firm, friable to loose, crumbly. Yellow cast due to oil staining.	
									1½'		Sandstone shell, light gray, medium to coarse grained, quartzose, micaceous, scattered gray grains. Hard, difficultly friable, massive, calcite cemented. Some irregular fine sand streaks and silty streaks in lower 6". Low permeability in lower 6" to negative.	
										1'	1' oil sand, medium yellow gray, coarse, pebbly as last above.	
							1½'				1½' siltstone, medium gray locally light gray due to sandy streaks, micro-micaceous, very finely sandy in irregular streaks and patches. Hard, brittle, fair badding, dip 56°, well developed slickensides at top of interval.	
										2'	Oil sand, light amber to locally gray, fine to coarse grained, quartzose, micaceous, scattered gray grains. Hard to firm, generally friable, massive, appears tight. Light amber stain.	
							2½'	x			Siltstone, with irregular to well badded sand streaks. Dark lead gray to light gray where sandy, micro-micaceous, fine to medium sand patches and streaks with scattered coarse grains. Sand light gray,	

INSTRUCTIONS. Show amounts in ft. and tenths of ft. to nearest 0.5 ft.; use lesser divisions only for formations of particular significance, such as "0.2 ft. oil sand" or "0.3 ft. Bentonite." Show silt and siltstone under shale. Siltstone means definitely impervious shale-like material but silty and/or sdy. in texture. "s" in oil sand column means streaks or spots of oil. Make note of any apparent reason for poor condition or recovery. Tests cores for gas and record results. Record dips of beds, fractures, joints, slickensides, etc. Indicate by "F" or "D" in column at right if core was fresh or dry when described. Indicate author by initials, followed by date described if other than date of core.

ABBREVIATIONS. COLOR: Bf Buff, Blk Black, Blu Blue, Br Brown, Gy Gray, Gn Green, Choc Chocolate, Dk Dark, Lt Light, Ol Olive, Pur Purple, R Red, T Tan, Wh White.
HARDNESS: Frm Firm, Fri Friable, H or Hd Hard, M or Med Medium, S Soft, V Very.
TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.
SORTING: E Even, G Good, P Poor, F Fair.
MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY | WELL N.G.W.#2-5

LOCATION | -2- | SECT. | T. | R. | ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1949												
			10,386 - 10,403	cont...							quartzose, silty, locally oil stained. Hard, brittle, massive to locally well bedded. Dip 54°. Generally grades downward into silty sand.	
								2'		x	2' interbedded gray sand and oil sand, light dirty yellow to light gray, fine grained, silty locally, abundant mica, quartzose, scattered gray and gray green grains. Hard to firm, generally difficultly friable, well bedded, dips 50°. Light amber even stain where permeable.	
12/12	Mercury	6"	10,403 - 10,432		33'		2'	x			Interbedded silty sand and siltstone, siltstone medium lead gray, sand, light gray to medium lead gray. Siltstone, micromicaceous, locally finely sandy, silty, hard, brittle, vaguely to well bedded, dip 43°. Sand fine to medium grained, micaceous, quartzose, silty. Hard to firm, difficultly friable, irregular vague bedding to massive. No odor, stain or cut.	D
							x			25'	Conglomeratic oil sand, gray to dirty yellow gray, medium to coarse grained, generally coarse to very coarse, common pebbles and cobbles to 1½", irregular silty streaks similar to siltstone above 5½', 11', 14½', 16' and 17' from top of interval. Slickensided and badly broken in siltstone 17' from top of interval. Hard, difficultly, friable, massive to vaguely bedded where silty. Tight appearance, light amber stain.	
							1½'	x			Siltstone with irregular well bedded sand streaks, medium to light gray, micro-micaceous, silty, finely sandy. Hard, brittle, well bedded, dips 51°. No odor, stain or cut.	
									1'		Sandstone shell, light gray, coarse to conglomeratic with pebbles to 1" of quartz and dark gray basaltic	

INSTRUCTIONS. Show amounts in ft. and tenths of ft. to nearest 0.5 ft.; use lesser divisions only for formations of particular significance, such as "0.2 ft. oil sand" or "0.3 ft. Bentonite." Show silt and siltstone under shale. Siltstone means definitely impervious shale-like material but silty and/or sdy. in texture. "s" in oil sand column means streaks or spots of oil. Make note of any apparent reason for poor condition or recovery. Tests cores for gas and record results. Record dips of beds, fractures, joints, slickensides, etc. Indicate by "F" or "D" in column at right if core was fresh or dry when described. Indicate author by initials, followed by date described if other than date of core.

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HARDNESS: Frm Firm, Fri Friable, H or Hd Hard, M or Med Medium, S Soft, V Very.

TEXTURE: C or Cse Coarse. Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY | WELL N.C.W. #2-5

LOCATION | -3- | SECT. | T. | R. | ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1949			10,403 - 10,432		cont...						material. hard, difficultly friable, massive, calcite cemented.	
										3½'	Conglomerate oil sand, light gray to dirty yellow gray, coarse to conglomerate with pebbles and cobbles to 2" of quartz and gray basaltic material. Hard, difficultly friable, locally calcite cemented, massive, tight, light amber stain where permeable.	
12/13	Mercury	6"	10,432 - 10,461		31'					10½'	Conglomeratic oil sand as in core above. One 4" granitic boulder noted 9" from top of core. Light amber stain, tight.	D
							1/2'				Siltstone, medium lead gray, micro-micaceous, silty, finely sandy. Hard, firm to brittle, vaguely bedded. Rare fish scales noted.	
								5'			Conglomeratic sand, medium gray, coarse to conglomeratic with pebbles and cobble to 2", of quartz and basaltic material. Hard, difficultly friable, massive, calcite cemented. No odor, stain or cut.	
								x		4'	Oil sand, light gray to dirty yellow gray, fine to medium grained generally, locally coarse grained patches with pebbles to 1/8". Top 1½' calcite cemented generally with uneven very spotty to negative staining. Hard, firm, friable to difficultly friable, massive. Bottom 1' similar to top 1½'. Low permeability, tight to impermeable. Light amber stain locally.	
							x	3"			Sand and siltstone interbedded. Sand similar to bottom 1' of interval above. Siltstone dark to medium gray, micro-micaceous, finely sandy. Hard, brittle, well bedded, dips 50°, ripple marks?	
								10-3/4' x		x	Conglomeratic sand, medium to light gray, fine to very coarse, pebbly, scattered boulders and cobbles to 4", quartzose, micaceous, pebbles and cobbles of	

INSTRUCTIONS. Show amounts in ft. and tenths of ft. to nearest 0.5 ft.; use lesser divisions only for formations of particular significance, such as "0.2 ft. oil sand" or "0.3 ft. Bentonite." Show silt and siltstone under shale. Siltstone means definitely impervious shale-like material but silty and/or sdy. in texture. "s" in oil sand column means streaks or spots of oil. Make note of any apparent reason for poor condition or recovery. Tests cores for gas and record results. Record dips of beds, fractures, joints, slickensides, etc. Indicate by "F" or "D" in column at right if core was fresh or dry when described. Indicate author by initials, followed by date described if other than date of core.

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HARDNESS: Frm Firm, Fri Friable, H or Hd Hard, M or Med Medium, S Soft, V Very.

TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY | WELL N.C.W.#2-5

LOCATION -4- SECT. T. R. ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1949			10,432 - 10,461	cont...							granitic and basaltic material. hard, difficultly friable, generally massive, calcite cemented but well calcite cemented 3', 10' from bottom of core. Local oil staining in more permeable streaks. Odor? No cut taken.	
12/11	Mercury	6"	10,461 - 10,489'	29'				4½'	x	x	Conglomeratic sand as above.	F
										1'	Oil sand, light amber, fine grained, quartzose, scattered gray green and gray grains, micaceous. Hard, difficultly friable, massive, appears tight. Light amber stain, no cut taken, odor?	D
									3'	x	Sandstone shell, light gray, fine to coarse, grading downward to very coarse in bottom 6", quartzose, scattered dark gray grains and sub-rounded quartz grains, micaceous. Hard, difficultly friable, massive, calcite, cemented. One 6" permeable light oil stained streak 2' from top of interval.	
								7'	x	x	Conglomeratic sand as in top of core, light dirty yellow to medium gray, with pebbles to 1". Common slickensides in top 1' at 65° to vertical.	
								2½'		x	Interbedded oil sand and gray sand, light gray to gray yellow, fine grained, grading downward to medium grained in bottom 6", quartzose, silty locally, micro-micaceous. Noted rare coarse quartz pebbles to 1/8". Hard, difficultly friable, massiv one well developed fault plane noted, 1' from top of interval, common slickensides and gouge noted. Light amber stain. No cut odor?	
								7'		x	Conglomeratic sand as in top of core, light gray to yellowish gray with pebbles and cobbles to 2". Oil stained locally, tight, odor? No cut taken.	
								4'		x	Interbedded oil sand and gray sand, light gray to amber, fine grained, well sorted, micaceous, quartzose, common gray and gray green grains. Firm,	

INSTRUCTIONS. Show amounts in ft. and tenths of ft. to nearest 0.5 ft.; use lesser divisions only for formations of particular significance, such as "0.2 ft. oil sand" or "0.3 ft. Bentonite." Show silt and siltstone under shale. Siltstone means definitely impervious shale-like material but silty and/or sdy. in texture. "s" in oil sand column means streaks or spots of oil. Make note of any apparent reason for poor condition or recovery. Tests cores for gas and record results. Record dips of beds, fractures, joints, slickensides, etc, Indicate by "F" or "D" in column at right if core was fresh or dry when described. Indicate author by initials, followed by date described if other than date of core.

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HARDNESS: Frm Firm, Fri Friable, H or Hd Hard, M or Med Medium, S Soft, V Very.

TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY -5- | WELL N.C.W.#2-5

LOCATION | SECT. | T. | R. | ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1949												
			10,461 - 10,489'		cont...						friable, massive. Generally oilstained but with irregular tight gray streaks and patches throughout. Amber stain, no cut, good odor.	
12/15	Mercury	6"	10,489 - 10,518		34'				4'		Sandstone shell, light gray, fine to medium grained, quartzose, micro-micaceous to micaceous, scattered gray and gray green grains. Hard, difficultly friable, massive, calcite cemented. No odor, stain, or cut.	D
										5'	Oil sand, light yellowish gray, medium grained, grading downward into coarse with scattered pebbles to 1/8" in bottom 1', micaceous, quartzose, gray and gray-green grains. Firm, friable, massive. Light amber stains.	
									x	8'	Conglomeratic oil sand, light gray yellow to dirty yellow, fine to coarse with pebbles and cobbles up to 1/2" of granitic and basaltic material, micaceous, poorly sorted, quartzose. Hard to firm, difficultly friable to friable, massive, locally calcite cemented. Light amber stain.	
									2'		Sandstone shell, light gray, fine to medium grained, well sorted, quartzose, micaceous, hard, difficultly friable, massive, calcite cemented. No odor, stain or cut.	
										1'	Oil sand, light amber, similar to sandstone shell above, but permeable and oil stained. Light amber stains.	
								9'	x	x	Sand, light amber gray to gray, fine to very coarse, common pebbles to 1" of granitic and basaltic material, irregular silty streaks, micaceous, quartzose. Hard to firm, difficultly friable to friable, massive, locally, calcite cemented in intervals 2,3' & 6' from top of interval. Light amber stains where permeable.	

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TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY -6- | WELL N.C.W. #2-5

LOCATION | SECT. | T. | R. | ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1949			10,489 - 10,518	cont...				2'		x	Interbedded gray and amber oil sand, light gray to dirty yellow, fine to medium grained with scattered coarse grains, quartzose, micaceous; hard, friable, massive to vaguely bedded, poor 55° dip. Amber stains.	
								2'	x		Conglomeratic sand, light gray to gray green, coarse to pebbly, pebbles and cobbles of granitic and basaltic material, quartzose, micaceous, calcite matrix. Hard, difficultly friable, massive. No odor, stain or cut.	
									1'		Sandstone shell, light gray, medium to coarse grained, quartzose, micaceous, common black grains. Hard, difficultly friable, massive. No odor, stain or cut.	
12/15	Mercury	6"	10,518 - 10,547		29'	100			x	29'	Conglomeratic oil sand, light amber grey to amber, fine to very coarse, with pebbles and cobbles of basaltic and granitic material up to 5", quartzose, micaceous. Hard to firm, friable to difficultly friable, massive, locally calcite cemented in lower 4'. Light amber stains, tight appearance.	F
12/16	"	"	10,547 - 10,564		17'	100			x	1'	Conglomeratic oil sand as above.	
							3"				Siltstone, dull gray, finely sandy, micaceous. Hard brittle, vaguely bedded, dip?	F
							x			10-3/4	Oil sand, gray to dirty yellow, fine to very coarse grading downward from top to bottom of core, bottom 3' common pebbles of quartzose and basalt to 1/8", micaceous, quartzose, 3# streak of siltstone similar to last above 4' from top of interval. Firm, friable, massive but with well developed poker chip partings. Light amber stain. Sulfur odor? in lower portion.	
							5'	x		x	Interbedded siltstone, as in top of core and oil sand	

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TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY -7- | WELL N.C.W.#2-5

LOCATION | SECT. | T. | R. | ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1949												
			10,547 - 10,564		cont...						as above with occasional patches of gray fine to coarse sand. Hard, brittle, very vaguely bedded, dip 49°? Amber stain.	
12/16	Mercury	6"	10,564 - 10,579		18'		5'	x		x	Interbedded siltstone, oil sand and gray sand,	
											Siltstone, oil sand as in core above, gray sand	F
											similar to oil sand except tight, impermeable,	
											without oil staining. Dip 47°?	
										1'	Oil sand, light amber, fine grained, quartzose,	
											micaceous, locally silty. Firm, friable, massive, but	
											with common poker chip partings. Appears tight,	
											light amber stain.	
							3'	x		x	Interbedded siltstone, oil sand and gray sand, as in	
											top of core. Dip 55°?	
										1'	Oil sand, light amber gray similar to oil sand above	
											but generally medium to coarse grained. Tight? amber	
											stains.	
							5'	x		x	Interbedded siltstone and gray sand with 3" streak	
											of oil sand 1' from top of interval. Siltstone	
											similar to last above. Gray sand, light gray, fine g	
											grained, micaceous, silty, scattered gray-green	
											grains, quartzose. Hard, difficultly friable to hard	
											brittle, well bedded. 46° dip.	
										2½'	Oil sand, light yellow gray as oil sand last above	F
											but highly broken and shattered. Light amber stain.	
							1/2'	x			Interbedded siltstone and gray sand as last above.	
12/17	"	"	10,579 - 10,595		16'	100	x	x	x	16'	Interbedded siltstone, oil sand and gray sand. Light	F
											dirty yellow to light gray, medium gray where silty.	
											Sand fine grained silty, micaceous, quartzose, firm	
											to hard, friable to difficultly friable, massive	
											with well developed poker chip partings, locally	
											calcite cemented, one 6" sandstone shell interval	
											2½' from top of core. Oil sand, similar to sand	

INSTRUCTIONS. Show amounts in ft. and tenths of ft. to nearest 0.5 ft.; use lesser divisions only for formations of particular significance, such as "0.2 ft. oil sand" or "0.3 ft. Bentonite." Show silt and siltstone under shale. Siltstone means definitely impervious shale-like material but silty and/or sdy. in texture. "s" in oil sand column means streaks or spots of oil. Make note of any apparent reason for poor condition or recovery. Tests cores for gas and record results. Record dips of beds, fractures, joints, slickensides, etc. Indicate by "F" or "D" in column at right if core was fresh or dry when described. Indicate author by initials, followed by date described if other than date of core.

ABBREVIATIONS. COLOR: Bf Buff, Blk Black, Blu Blue, Br Brown, Gy Gray, Gn Green, Choc Chocolate, Dk Dark, Lt Light, Ol Olive, Pur Purple, R Red, T Tan, Wh White.

HARDNESS: Frm Firm, Fri Friable, H or Hd Hard, M or Med Medium, S Soft, V Very.

TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY FIELD OR DIST. COMPANY -8- WELL N.C.W. #2-5

LOCATION SECT. T. R. ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1949			10,579 - 10,595 cont...								above but permeable. Generally low permeability due to silt and calcite cementing. Siltstone, dark medium gray finely sandy, micro-micaceous. Hard, brittle, vaguely bedded, dip 46°? Slickensides and polished surfaces noted in bottom 1'. Note one 6" streak crumbly wet sand streak 1½' from bottom.	
12/19	Mercury	6"	10,595 - 10,625		29'	100	29'	x	x	x	Interbedded siltstone, silty sand and oil sand, similar to last above but grading locally in to coarse conglomerate sand with pebbles to 1/4". Generally massive, but with well developed poker chip partins. One questionable 49° dip noted in siltstone streak. Siltstone locally appears clayey, one 3' calcite cemented sandstone shell noted 6' from bottom of core. Sand has wet appearance but may be too tight.	
12/19	"	"	10,625 - 10,659		29'	100	29'	x	x	x	Interbedded silty sand, gray sand, siltstone, sand- stone shell and oil sand, similar to last above, but generally more silty than above. Generally hard, brittle, well bedded to irregularly bedded, dip 42°, locally broken and fractured. Calcite cemented shells noted 2', 10', 18', 27' from top of core. Tight. Wet?	F
12/20	"	"	10,654 - 10,683		29'	100	9'	x			Interbedded siltstone and gray silty sand, siltstone dark gray, micro-micaceous, locally finely sandy. Hard brittle, well bedded, dip 42°. Fish remains noted. Sand, light gray, fine grained, silty locally, micaceous, quartzose. Hard, difficultly friable, well bedded locally but generally patches and irregular streaks.	F
							20'				Shale, dark gray, similar to siltstone above, but fissile, compacted, well bedded dip 52°. Highly	

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HARDNESS: Frm Firm, Fri Friable, H or Hd Hard, M or Med Medium, S Soft, V Very.

TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY · FIELD OR DIST. · COMPANY · WELL N.C.W. #2-5

LOCATION -9- SECT. T. R. ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	RECOVERY SHALE	RECOVERY SAND	RECOVERY SHELL	RECOVERY OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1949			10,654 - 10,683	cont.							broken and slickensided? in top 4' may be due to coring. Fish scales noted.	
1950	Mercury	5-7/8	10,682 - 10,699		9'		9'	x			Siltstone, medium gray with light brownish casts, micro-micaceous, finely sandy, silty. Hard, brittle, dense, poorly to vaguely bedded, dip? Forams noted, poorly preserved, fish scales common. Fracture planes and slickensides noted.	
	"	"	10,699 - 10,714		17'		17'	x			Siltstone, similar to last above but with irregular streaks and patches of light gray finely sandy material, locally phosphatic patches. Slickensides, fractures and polished bedding planes. Fish scales, shell casts, forams noted.	
	"	"	10,714 - 10,744		29'		29'	x			Siltstone, as last above, well bedded, dip 43°. Generally slickensided, fractured, 4' zone of fault gouge 10' from bottom of core. Calcite deposits along many fractures. Dip 41°. One well developed near vertical fracture plane noted 2' from bottom of core.	
	"	"	10,744 - 10,767		32'		32'	x			Siltstone as last above, fractured, slickensides, planes at randum angles, highly broken. Dip 41°. Fish scales, forams, shell casts noted.	
	"	"	10,767 - 10,792		28'		28'	x			Siltstone, as last above, highly fractured, broken slickensides. Abundant fish remains, shell cast and forams. Dip 40-47°.	
	"	"	10,792 - 10,822		30'		30'	x			Siltstone, light to medium gray with brown cast as above, with irregular sand streaks. Highly broken fractured and slickensided, locally calcite cemented. Fish remains, shell cast and forams. Dip 42°.	

INSTRUCTIONS. Show amounts in ft. and tenths of ft. to nearest 0.5 ft.; use lesser divisions only for formations of particular significance, such as "0.2 ft. oil sand" or "0.3 ft. Bentonite." Show silt and siltstone under shale. Siltstone means definitely impervious shale-like material but silty and/or sdy. in texture. "s" in oil sand column means streaks or spots of oil. Make note of any apparent reason for poor condition or recovery. Tests cores for gas and record results. Record dips of beds, fractures, joints, slickensides, etc. Indicate by "F" or "D" in column at right if core was fresh or dry when described. Indicate author by initials, followed by date described if other than date of core.

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HARDNESS: Frm Firm, Fri Friable, H or Hd Hard, M or Med Medium, S Soft, V Very.

TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY | WELL N.C.W. #2-5

LOCATION | -10- | SECT. | T. | R. | ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	RECOVERY SHALE	RECOVERY SAND	RECOVERY SHELL	RECOVERY OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1950												
	Mercury	5-7/8	10,822 - 10,852		30'		30'	x			Siltstone, ditto, dip 37-41°.	
	"	"	10,852 - 10,865		14'		14'	x			Siltstone, light to medium gray with local brown cast, locally clayey, but as last above. Dip 41°.	
	"	"	10,865 - 10,894		30'		30'	x			Siltstone, as last above but not clayey. Abundant fish remains, forams, chitenous material and shell casts. Dip 54°.	
	"	"	10,894 - 10,921		28'		22'	x			Siltstone, as last above. Dip ?	
								5'		x	Sand, light gray to light amber-gray, fine to medium grained, locally coarse grained, poorly sorted, silty streaks locally, micaceous. Hard, difficultly friable, massive, calcite cemented locally. Tight light amber stain, fair petroleum odor, no cut taken. Common slickensides, fractures, and polished surfaces. Common carbonaceous material. Fish remains and chitenous material.	
							1'	x		x	Interbedded siltstone, sandy silt, and sand as last above, highly broken and fractured. Common fish remains. Dip 39°.	
	"	"	10,921 - 10, 951		31'		16'	x			Interbedded siltstone, sandy silt and sand, similar to last above, but calcite cemented, tight, light gray, impermeable sand. Common fish remains.	
								11		x	Interbedded siltstone, sandy silt, and sand similar to bottom 1' of core above. Light amber stain, fair petroleum odor, tight, generally calcite cemented. Dip 27°.	
							4'	x			Siltstone, similar to top of core with irregular streaks and patches of light gray sand.	

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TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY -11- | WELL N.C.W. #2-5

LOCATION | SECT. | T. | R. | ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1950	Mercury	5-7/8	10,951 - 10,979		27'		27'	x		x	Interbedded siltstone, light gray sand and oil sand similar to core last above. Light amber stain, good petroleum odor and wet? in light gray sands, generally tight. Common, carbonaceous material, fish remain and shell casts, Dip 37°. Highly broken and fractured, locally calcite cemented.	
	"	"	10,979 - 10,993		15'		15'	x		x	Interbedded siltstone, light gray sand and oil sand, as last above. Highly broken, fractured, slickensided and 4' fault zone noted 7' from top of core. Dip 12° (good). Sand generally hard, calcite cemented, tight and impermeable.	
	"	"	10,993 - 11,019		26'		26'	x			Siltstone, light to medium gray with brown cast, silty, micaceous, irregular streaks and patches and lenses of light gray, fine to medium grained sand, grading downward into interbedded siltstone and sand as in core above. Locally calcite cemented. Two 1" light blue gray bentonite zones noted 7' and 10' from top of core. Gouge zone in bottom 1'. Slickensides and fractures common. Locally very light amber stains, generally tight. Dip 37° to 41°.	
	"	"	11,019 - 11,046		27'		27'	x			Interbedded and interlaminated siltstone and light gray sand, similar to bottom portion of core above. Highly fractured, broken and slickensided. Well bedded throughout with widely varying dips from 41°, 57° and 74° Dips. Rare fish scales and forams noted. Locally calcite cemented.	
	"	"	11,046 - 11,071		21'		21'	x		x	Interbedded siltstone, silty sand, gray sand and oil sand. Common slickensides, polished surfaces and fractures. Forams, fish scales and carbonaceous	

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TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

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BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY | WELL (N.C.W.)#2-5

LOCATION -12- | SECT. | T. | R. | ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	RECOVERY SHALE	RECOVERY SAND	RECOVERY SHELL	RECOVERY OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
											material noted. Light amber stain, faint to sour odor, Dip 51° at top of core to 62° at base.	
	Mercury	5-7/8	11,071 - 11,089		20'		20'	x		x	Interbedded siltstone, silty sand, gray sand, and oil sand, as last above. Dips 40°, 49°, 56°, 39° at top, 56° at 11,080, 49° at 11,087, 44° at bottom.	
	"	"	11,089 - 11,106		17'		17'	x		x	Interbedded siltstone, silty sand, gray sand, and oil sand, as last above, but generally siltier than core above. Light amber stain, faint odor. Highly broken, fractured and slickensided. Dip-- top 3' 85°, 11,092-95' 4°, 11,095-11,101 highly broken, no dip, & 11,101-11,104 36°, 11,104-106 39° to 41°.	
	"	"	11,106 - 11,129		23'		23'	x		x	Interbedded siltstone, silty sand, gray sand and oil sand as last above. Generally hard tight, common slickensides, fractures and polished surfaces. Dip varies 11,106-8 62°, 11,108-11,112 36°, 11,112-114 41°, 11,114-117 82°, 11,117-120 24°, 11,120-122 7°, 11,122-23 26°, 11,123-11,127 0-7°, 11,127-11,129 14°. Light amber stain locally, faint odor.	
	"	"	11,129 - 11,155		24'		24'	x		x	Siltstone light gray brown, similar to above. Hard, brittle, with occasional paper thin to 1/8" thick dark gray sand interbeds. Occasional fish remains, carbonaceous material. Faint dead oil stains, faint odor, no cut taken in permeable sand and fractures in siltstone. Dip 55°.	
	"	"	11,155 - 11,179		24'		24'	x		x	Siltstone, sand and oil sand as above, slickensides, common shell casts, dip 42°.	
	"	"	11,179 - 11,190		11'		11'	x		x	Siltstone, sand and oil sand as above. Dip 37°.	

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SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY | WELL N.C.W.#2-5

LOCATION | -13- | SECT. | T. | R. | ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	RECOVERY SHALE	RECOVERY SAND	RECOVERY SHELL	RECOVERY OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1950	Mercury	5-7/8	11,190 - 11,213		23'		23'	x		x	Siltstone, sand and oil sand as above with 1" claystone streak 6' from bottom of core. Dip 39°. Light stain, petroleum odor.	
	"	"	11,213 - 11,242		29'		29'	x		x	Siltstone, sand and oil sand as above. Dip 46-47°.	
	"	"	11,242 - 11,272		30'		30'	x		x	Ditto Dip 36-42°	
	"	"	11,272 - 11,302		30'		30'	x		x	Ditto, with common slickensides, shell casts, fish remains. Dip 42°.	
	"	"	11,302 - 11,317		15'		15'	x		x	Ditto, but generally silt with very little oil-stains. Dip 43°.	
	"	"	11,317 - 11,342		24'		24'	x			Siltstone, and silty sand, an gray sand, light to medium gray with local brown cast, similar to last above but tight, silty and no oil stains, common slickensides, fractures, and fish remains. Dips vary 42°-45°-47°-50°.	
	"	"	11,342 - 11,372		30'		30'	x			Siltstone, silty sand and gray sand, as above. Occasional fish remains, and carbonaceous material. Faint dead? oil stains, faint odor, in more permeable sand or fractures in siltstone. Dip 51°(Good).	
	"	"	11,372 - 11,402		30'		30'	x		x	Siltstone as above, 8" fault gouge zone at 11,386 noted, slickensides and polished bedding planes noted from 11,381-91. Faint oil stain, faint odor. Dip 54°??	
	"	"	11,402 - 11,431		27'		27'	x			Siltstone with thin sand laminae, as last above, locally slickensides and polished surfaces. Common fish remains. Questionable faint oil stain, faint odor. Dip 45°,50°(Fair). Siltstone Dip 51°(Good)	

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BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY FIELD OR DIST. COMPANY WELL

LOCATION SECT. T. R. ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
	"	"	11,431 – 11,461		30'		30'	x			Siltstone with thin sand laminae, as last above, slickensides, fractures and polished surfaces common. Dip ? 46-52°	
	"	"	11,461 – 11,488		30'		30'	x			Siltstone with thin sand laminae as last above. Slickensides, fractures and polished surfaces common. Dip 36-39°.	
	"	"	11,488 – 11,518		33'		33'	x		x	Interbedded siltstone, medium grained gray sand and oil sand. Light medium gray to amber gray, fine to coarse, principally medium grained, very silty, very micaceous. Hard, brittle, well bedded, locally cross bedded, dip 36° good. Abundant forams, fish remains, and very abundant carbonaceous material. 3 one foot zone noted 4°, 9 and 28' from top of core, permeable, dark brown to amber stain, petroleum odor, generally tight.	
	"	"	11,518 – 11,548		33'		2½'	x	x	x	Interbedded siltstone, medium grained, sand, fine oil sand and sandstone shell similar to last above. Well bedded, 31° dip(good), hard, tight, locally slickensided and polished. Fish remain and carbonaceous material noted.	
							x	4'		x	Sand, light amber to light gray, fine to medium grained silty, micaceous. Hard, calcite cemented	

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BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY | WELL N.C.W.#2-5

LOCATION | -15- | SECT. | T. | R. | ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1950											locally tight. Very light amber stains locally, petroleum odor.	
							1/2'	x	x		Siltstone and interbedded silty sand and sandstone shell, as in top of core.	
										23'	Oil sand, with local interbedded silty sand and sandstone shells. Light gray to amber, fine to very coarse with common grits to 1/4", micaceous. Friable to hard, massive, generally tight, locally well developed poker chip partings, common locally slickensided and fractured, locally calcite cemented. Amber stains, fair petroleum odor. Fish scales noted.	
							1½'	x		x	Interbedded siltstone, silty sand, and oil sand as in top of core. Dip 46° good. Above carbonaceous material.	
										1½'	Oil sand as last above.	
	Mercury 5-7/8		11,548 - 11,578		30'		x	x		30'	Interbedded fine grained oil sand, pebbly oil sand silty sand and siltstone, similar to core last above, net sand 28', 2' siltstone streaks 11,559-11,561. Dip 50°. Light amber stain, sour odor, wet? tight, locally fair permeability. Slickensided, carbonaceous material and fish remain noted.	
	"	"	11,578 - 11,608		33'			x		33'	Interbedded pebbly oil sand, fine grained oil sand and gray sand. Light amber to gray, fine to very coarse with common angular grits and pebbles to 1/4". Locally silty with irregular dark gray laminae of micaceous silt. Common poker chip partings, friable, generally massive but with well bedded siltstone laminae, dips 39°-46°. Even amber stains, burnt odor locally, good petroleum odor. Appears tight where silty.	

INSTRUCTIONS. Show amounts in ft. and tenths of ft. to nearest 0.5 ft.; use lesser divisions only for formations of particular significance, such as "0.2 ft. oil sand" or "0.3 ft. Bentonite." Show silt and siltstone under shale. Siltstone means definitely impervious shale-like material but silty and/or sdy. in texture. "s" in oil sand column means streaks or spots of oil. Make note of any apparent reason for poor condition or recovery. Tests cores for gas and record results. Record dips of beds, fractures, joints, slickensides, etc. Indicate by "F" or "D" in column at right if core was fresh or dry when described. Indicate author by initials, followed by date described if other than date of core.

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TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY | WELL N.C.W. #2-5

LOCATION | -16- | SECT. | T. | R. | ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1950												
	Mercury	5-7/8	11,608 - 11,638		33'		x	x		33'	Interbedded pebbly oil sand, fine grained oil sand, light gray sand, siltstone and sandstone shells. Similar to last above but generally more siltstone streaks and patches. Siltstone generally in 6' interval 11,610-11,616. 3' sandstone shell noted at 11,629? Good petroleum odor, locally gassy odor, light amber to amber stain. Dips vary from 44-48°. Good.	
	"	"	11,638 - 11,668		33'		x	x		18'	Interbedded pebbly oil sand, fine grained oil sand, and silty oil sand, similar to last above. Common sour odor, light amber stain, common poker chip partings, no dip.	
							15'	x			Interbedded siltstone and fine grained sand. Siltstone, dark to medium gray, locally brown cast, silty, very micaceous, finely sandy locally. Hard, brittle, well bedded dip 47-55°. Locally slickensided. Rare fish remains. Sand, light gray, locally lead gray, fine grained, silty, micaceous. Hard difficultly friable, well bedded, dips 49-54°, locally calcite cemented. Occasional light brown oil stain where sand is permeable.	
	"	"	11,668 - 11,697		32'		32'	x			Siltstone with sand laminae similar to bottom of core above. Hard brittle, well bedded, dip 44-46°, locally calcite cemented, locally broken and slickensided. Faint light amber stains, fleeting petroleum odor, in permeable sand laminae. 2 fault gouge zones noted one 3" zone 8' from top of core and one 3' fault gouge zone 6' from bottom of core. Common fish remain.	

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TEXTURE: C or Cse Coarse, Fn Fine, M or Med Medium, Peb Pebbly, Shly Shaley, V Very.

SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY | WELL N.C.W.#2-5

LOCATION -17- SECT. T. R. ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1950	Mercury	5-7/8	11,697 - 11,727		33'		33'	x			Shale, with interbedded laminae of siltstone and sand, similar to siltstone above but compact, well bedded, fissile, dip 42-46°. Fish remains. Questionable very light oil stains in some sand streaks.	
	"	"	11,727 - 11,757		33'		33'	x			Shale, ditto. Dip 42-49°, local sand laminae oil stained.	
	"	"	11,757 - 11,787		32'		32'	x			Silty shale, with interbedded siltstone and gray sand streaks and laminae, with occasional oil sand laminae. Silty shale dark to medium gray brown, similar to last above. Sand, light gray to amber, fine to medium grained with scattered coarse grains, micaceous, silty. Hard, tight well bedded, dip 39-51°, average 45°. Common slickensides, locally broken. Common carbonaceous material. Local light amber stains, fair petroleum odor.	
	"	"	11,787 - 11,793		7'		7'	x			Silty shale, ditto, dip 42-47°. Locally oil stained.	
	"	"	11,793 - 11,815		24'		24'	x			" " " 42-44° "	
	"	"	11,815 - 11,843		29'		29'	x			" " " 40-42° locally 36°, locally oil stained.	
	"	"	11,843 - 11,866		24'		x	24'			Silty sand with interbedded laminae of light gray sandstone and medium lead gray silt. Fine to medium grained, generally silty, micaceous with irregular patches of coarse grained sand. Hard, brittle, calcite cemented locally, generally well bedded, dip 41-43°. Abundant fish remains, rare-fish remains, common light brown oil stains where sand permeable, faint petroleum odor.	

INSTRUCTIONS. Show amounts in ft. and tenths of ft. to nearest 0.5 ft.; use lesser divisions only for formations of particular significance, such as "0.2 ft. oil sand" or "0.3 ft. Bentonite." Show silt and siltstone under shale. Siltstone means definitely impervious shale-like material but silty and/or sdy. in texture. "s" in oil sand column means streaks or spots of oil. Make note of any apparent reason for poor condition or recovery. Tests cores for gas and record results. Record dips of beds, fractures, joints, slickensides, etc, Indicate by "F" or "D" in column at right if core was fresh or dry when described. Indicate author by initials, followed by date described if other than date of core.

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SORTING: E Even, G Good, P Poor, F Fair.

MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY | WELL N.C.W. #2-5

LOCATION -18- SECT. T. R. ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1950	Mercury	5-7/8	11,866	11,894	31'		31'	x			Siltstone with laminae of fine grained gray sand and oil stained sand. Hard, brittle, calcite cemented, well bedded, dip 46° with scattered 42°, light amber stain locally, tight, faint petroleum odor. Carbonaceous material, fish remains rare.	
	"	"	11,894	11,918	27'		27'	x			Siltstone ditto. Dip 42-46° locally 50° oilstains locally as above.	
	"	"	11,918	11,940	19'		19'	x			Siltstone, ditto, dip 41-44°, oil stains as above.	
	"	"	11,940	11,955	17'		17'	x			Siltstone, ditto, dip? 4 Fault Zone 5' from top of core, oil stains as above.	
	"	"	11,955	11,980	17'		17'	x			Siltstone, ditto, dip 42-46°, oil stains as above.	
	"	"	11,980	11,990	18'		18'	x			Siltstone, ditto, dip 44°, oil stains as above.	
	"	"	11,990	12,021	23'		23'			x	Silty shale, medium gray with tight light amber oil sand streaks and light gray sand, laminae, similar to last above but compact and generally fissile, light amber stain, fair petroleum odor, locally where sand is permeable. Dip 42°.	
	"	"	12,021	12,032	9'		9'	x			Silty shale to siltstone, with light amber oil sand and light gray sand, similar to last above but generally more fine to very fine sand laminae. Highly broken and fractured common cross-bedding, dip 41°(good). Sand generally tight silty, light brown stain, good petroleum odor. 50+% sand.	

INSTRUCTIONS. Show amounts in ft. and tenths of ft. to nearest 0.5 ft.; use lesser divisions only for formations of particular significance, such as "0.2 ft. oil sand" or "0.3 ft. Bentonite." Show silt and siltstone under shale. Siltstone means definitely impervious shale-like material but silty and/or sdy. in texture. "s" in oil sand column means streaks or spots of oil. Make note of any apparent reason for poor condition or recovery. Tests cores for gas and record results. Record dips of beds, fractures, joints, slickensides, etc. Indicate by "F" or "D" in column at right if core was fresh or dry when described. Indicate author by initials, followed by date described if other than date of core.

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MISCELLANEOUS: Bent Bentonite/Bentonitic, Carb Carbonaceous, Cong Conglomerate, Fos Fossils/Fossiliferous, Mic Micaceous, S S Sandstone.

BARNSDALL OIL COMPANY

Form 5-OD

CORE RECORD

COUNTY | FIELD OR DIST. | COMPANY | WELL N.C.W.#2-5

LOCATION -19- SECT. T. R. ELEV.

DATE	CORE BARREL MAKE	CORE BARREL SIZE	FROM	TO	RECOVERY FEET	RECOVERY %	SHALE	SAND	SHELL	OIL SAND	DESCRIPTION NOTE: COLOR, HARDNESS, TEXTURE, SORTING, FOSSILS, DIPS OF BEDS AND FRACTURES	F/D
1950	Mercury	5-7/8	12,032 - 12,051		12'		12'	x			Silty shale with laminae of gray sand, light amber stained sand and siltstone, similar to last above but generally siltier, and less sand laminae then cores above. Top 1' highly broken. 30% sand, generally tight, silty, low permeability, very light amber stain, petroleum odor. Dips vary from 35° at top of core, 45° at 12,038', 51° at 12,040', 52°-54° at base, cross bedding?	
	Reed	5-3/4	12,253 - 12,262		8'					6'	Oil sand, light amber, fine to medium grained, micaceous, silty locally. Massive, firm, friable, with common 75-78° slickensided planes throughout. Good petroleum odor, even amber stain, fair permeability but low where silty.	
									2'		Sandstone shell, light gray, fine to medium, micaceous. Hard, difficultly friable, massive, calcite cemented. No odor, stain or cut.	
	"	"	12,359 - 12,363		3½'					3½'	Oil stained silty sand, light gray with amber cast, fine to very coarse with grits up to 1/8", micaceous, silty, firm, friable to hard, difficultly friable, massive to vaguely bedded dip? Calcite cemented in 9" interval at 12,361. Light amber stain, petroleum odor. Very tight, low permeability carbonaceous material noted. Gas bubbles on mud cake.	
	"	"	12,423 - 12,428		3'		x	3'		x	Silty sand, light gray, locally light amber, fine to medium grained, with common black grains, silty becoming sandy silt in lower 1'. Hard, very tight, difficultly friable, massive to vaguely bedded, dip 35°. Light amber spotty stain, faint petroleum odor, cut? Carbonaceous material noted.	F

R. J. HINDLE

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PETROLEUM TECHNOLOGISTS, INC.
PRODUCTION RESEARCH - CORE ANALYSIS
RESERVOIR ENGINEERING
888 TRUCKWAY
MONTEBELLO, CALIFORNIA
UNION 1-6338

NORRIS JOHNSTON
PRESIDENT

N. VAN WINGEN
VICE PRESIDENT

December 17, 1949

Mr. Oran Graybeal
Barnsdall Oil Company
P. O. Box 280
Newhall, California

Well No. NCW 2-5
Field: Newhall-Potrero

Depth	Porosity	Air Permeability	O/W Ratio	Saturation of Pore Space %Oil	%Water	Total Liquid
10519	10.5	5.3	1.30	33.2	25.4	58.6
10521	11.0	15.0	0.74	26.3	35.6	61.9
10523	11.9	22.0	0.51	20.3	39.5	59.8
10525	11.0	30.0	0.71	25.3	35.8	61.1
10527	4.8	6.9	2.45	44.6	18.3	62.9
10529	4.5	2.3	1.42	29.2	20.6	49.8
10531.5	7.2	9.6	0.53	25.0	46.9	71.9
10533	11.8	1.6	0.70	23.9	34.1	58.0
10535	9.3	6.2	1.27	35.8	28.2	64.0
10537	5.9	0.9	0.47	23.6	50.0	73.6
10539	11.1	5.6	0.46	15.1	33.0	48.1
10541	12.7	12.0	0.29	10.6	37.2	47.8
10542	9.2	7.6	1.00	32.8	32.8	65.6
10544	5.9	1.5	2.00	30.0	15.1	45.1
10545	8.9	1.1	2.24	21.2	9.4	30.6
10547	5.7	2.7	1.15	20.5	17.8	38.3
10548	12.5	41.0	.64	21.4	33.3	54.7
10549	15.7	43.0	0.27	11.1	41.3	52.4
10551	18.1	20.0	0.30	10.1	33.9	44.0
10553	18.5	45.0	0.33	11.7	35.8	47.5
10555	15.3	30.0	0.25	10.9	43.2	54.1
10557	13.0	65.0	0.67	23.0	34.6	57.6
10560	12.1	1.1	0.41	19.2	46.7	65.9
10561	13.3	18.0	0.21	10.4	50.4	60.8
10566	6.7	1.6	0.85	30.3	35.6	65.9
10568	11.5	4.2	0.0	0	70.0	70.0
10570	11.2	1.8	0.21	11.7	57.8	69.5
10572	11.7	3.3	0.40	18.8	47.2	66.0
10574	14.5	2.1	0.54	21.7	40.4	62.1

Morris Johnston

Specific Resistivity Determinations of Core Samples Submitted by Schlumberger Well Surveying Corporation

Lundin 6 "NCW" 2-7

Sample Depth	Specific Resistivity Parallel to Bedding Plane Ohm-Meters	Specific Resistivity Normal to Bedding Plane Ohm-Meters	Tar Content % by Volume
11152	119.2	313.2	
11228	208.7	252.9	
11372	386.7	435.2	
11491	190.7	429.2	
11744	686.0	1257.8	3.15
11825	1348.4	1722.2	1.41
11903	249.0	774.8	
12012	71.6	196.3	

Specific resistivity determinations were made on these samples both parallel to and normal to the bedding plane. On account of the unusually high specific resistances shown by samples from depths 11744 and 11825, a distillation was run on these shales and it was found they contained a tar or oil substance, as recorded in the last column. There appears to be a considerable increase in the specific resistances when run normal to bedding plane over the values when run parallel to bedding plane. Specific resistances were run dry, that is, without emersion in electrolyte, using a cycle frequency of 900 cps.

GRAYDON OLIVER
CONSULTING PETROLEUM ENGINEER
215 WEST SEVENTH STREET
LOS ANGELES 14, CALIF.

CALIFORNIA DIVISION

SUNRAY OIL CORPORATION

Form #10-00

DRILLING OR REPAIR PROGRAM

Conditions		Depth
Present	Proposed	

AFE Sun Oil Co

Drilling

Production ✓

Date

Field Newhall

Well NCW #2-7

- [ ] General Manager
- [ ] Production Manager
- [ ] Geological Department
- [ ] Materials Man
- [ ] Accounting Department (2)
- [ ] Chief Engineer
- [ ] Reservoir Engineer
- [ ] Development Engineer (15)
- [ ] Production Superintendent
- [ ] District Prod. Superintendent
- [ ] Production Engineer

PROPOSED WORK:

Elev. of K.B. 13'

PRESENT CONDITION OF WELL

7" 23, 26, 29 & 32# CASING CMT. @ 10335'

5" 18# N-80 LINER w/ TOP 9240' & STM. 12426'

CMT. PLUG IN 5" LINER TO 12325'

6 1/2" JET HOLES/FT. 11520'-11660'

1. MOVE IN PRODUCTION RIG & EQUIP.
2. KILL WELL w/ WATER
3. PULL RODS, PUMP & TUBING
4. SCRAPE 5" LINER w/ SCRAPER
5. SET BAKER CAST IRON MODEL K RETAINER @ 11700' & LAY CMT PLUG ON TOP. USE B-J WIRE LINE & DUMP BAILER
6. RUN IN w/ BAKER R-7 PACKER @ SET @ APPROX. 11500' & LAND TBG. IN HEAD.
7. ATTEMPT TO BREAK DOWN w/ OIL USING TWO CMT TRUCKS
8. IF SQUEEZE EFFECTIVE SPOT KEN OIL MUD ABOVE PERF. INTERVAL
9. RUN TBG. RODS & PUMP & PUT ON PRODUCTION

Fr? Sav.

Bond?

7000
6000
5000
4000
3000
2000
1000
0
PSI.
0
10
20
30
40
50
60
70
80
90
100
CF

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-51090

Los Angeles 15, Calif. April 28, 1950

Mr. R. E. Foss
Los Angeles 15, Calif.
Agent for BARNSDALL OIL COMPANY

DEAR SIR:

Operations at your well No. "Newhall Corp. Wolfson" 2-5 Sec. 26, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by Paul Betts, Inspector, representative of the supervisor, on April 23, 1950. There was also present J. Murphy, Drilling Foreman; Frank Reaber, Engineer.

Casing Record 13-3/8" cem. 452'; 7" cem. 10335', perf. 10200'-10190', 10130'-10120', and 9430'-9420'; four 3/8" test holes at 10310', W.S.O. and at 9335', W.S.O.; 5" ld. 9240'-12426', c.p. 11998', 12339'-12426', and 12305', perf. 12042'-12181', and 12251'-12426', four 3/8" test holes at 12304', four 3/8" test hole at 11975', W.S.O. T. D. *

Junk None

The operations were performed for the purpose of demonstrating that no fluid has access to the well between the 7" and 5" casings.

~~The inspector arrived at the well at~~ *12428', plugged with cement 12428'-12325' and bridged with cement 9398'-9255'.

THE INSPECTOR ARRIVED AT THE WELL AT 1:30 P. M. AND MR. MURPHY REPORTED:

1. The hole was cleaned out to bottom at 12428'.
2. The perforated intervals in the 5" casing tested wet.
3. On April 8, 1950, the 5" casing was cemented through perforations from 12339'-12426' with 25 sacks of cement.
4. Cement was cleaned out of the hole from 12220'-12334'.
5. The 5" casing was shot-perforated with four 3/8" holes at 12305', which tested wet.
6. On April 12, 1950, the 5" casing was cemented through the above perforations with 20 sacks of cement at a final pressure of 3850 lb.
7. The hole was cleaned out to 12325'.
8. The 5" casing was shot-perforated with four 3/8" holes at 12304', which tested dry.
9. On April 19, 1950, 25 sacks of cement was pumped into the hole through 2-3/8" tubing hanging at 9398'.
10. Set cement was drilled out of the hole from 9253'-9255'.
11. On April 21, 1950, a cement retainer was set at 9221' and the 7" - 5" splice at 9240' was cemented with 50 sacks of cement all of which was squeezed away at a final pressure of 3500 lb.
12. Cement was drilled out of the 7" casing from 9213'-9240' (equivalent to 5 sacks), and out of the 5" casing from 9240'-9255' (equivalent to 2 sacks), and the 5" casing was cleaned out to 9255'.
13. A Johnston tester was run into the hole on 3-1/2" drill pipe with 1500' of water cushion, and packer set at 9200'.
14. The tester valve was opened at 9:11 a.m. and remained open 1 hr. During this interval, there was a medium, steady blow for 10 min.; a light, steady blow for 10 min.; and a very light blow for 3 min.; and no blow thereafter.

R. D. BUSH
State Oil and Gas Supervisor

By (CONTINUED ON PAGE 2) Deputy

16530 10-49 17,500 ② SPO

FORM 109-X
16328 10-49 6500 SPO

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
OR
Special Report on Operations Witnessed

No. T 1-51090

Page 2

BARNSDALL OIL COMPANY

Well No. "Newhall Corp. Wolfson" 2-5, Sec. 26, T. 4 N., R. 17 W., S.B. B. & M.,

THE INSPECTOR NOTED:

1. When the drill pipe was removed, a net rise of 25' of oil base drilling fluid was found in the drill pipe above the tester, equivalent to 0.2 bbl.
2. The recording pressure bomb chart showed that the tester valve was open 1 hr.

The operations were completed at 2:30 p.m.

THE OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED AS INDICATING THAT NO FLUID HAS ACCESS TO THE WELL BETWEEN THE 7" AND 5" CASINGS.

PWB:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

FORM 109-A

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-51000

Los Angeles 15, Calif. April 6, 1950

Mr. R. E. Foss
Los Angeles 15, Calif.
Agent for BARNSDALL OIL COMPANY

DEAR SIR:
Your well No. "Newhall Corp. Wolfson" 2-5, Sec. 26, T. 4 N., R. 17 W., S.B. B & M. Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on April 1, 1950. Mr. J. L. White, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present Hal Stanier and Frank Rieber, Engineers.

Shut-off data: 5 in. 18 lb. casing was cemented through perforations at 11998 ft. on March 30, 1950 in 5-7/8 in. hole with 150 sacks of cement xxxxx of which 1 sacks was left in casing.

Casing record of well: 13-3/8" cem. 452'; 7" cem. 10335'; four 3/8" test holes 10335', W.S.O. and 9335', W.S.O.; perf. 10200'-10190', 10130'-10120', and 9430'-9420'; 5" ld. 9240'-12426', c.p. 11998', perf. 12042'-12181' and 12251'-12426', four 3/8" test holes 11975', W.S.O.

Present depth 12428 ft. Bridged with cement from 11998 ft. to 11992 ft. Cleaned out to 11992 ft. for test.

A pressure of xxx lb. was applied to the inside of casing for xxx min. without loss after cleaning out to xxx ft.

A Johnston tester was run into the hole on 3-1/2 in. drill pipe and 2-1/2" tubing, with 2500 ft. of water-xxx cushion, and packer set at 11933 ft. with tailpiece to 11948 ft.

Tester valve, with 3/8 in. bean, was opened at 8:25 a.m. and remained open for 1 hr. and xxx min. During this interval there was a medium, steady blow for 1 min., a light, steady blow for 21 min.; a very light blow for 20 min.; a faint blow for 11 min.; and no blow for 7 min.

THE INSPECTOR ARRIVED AT THE WELL AT 1:30 P. M. AND MR. STANIER REPORTED:

1. A 5-7/8" rotary hole was drilled from 10683' to 12428'.
2. On March 30, 1950, 3186' of 5", 18 lb. casing including perforations 12042'-12181' and 12251'-12426' was landed at 9240'-12426', and was cemented through perforations at 11998' with 150 sacks of cement.
3. Set cement was found in the casing at 11992'.
4. The 5" casing was shot-perforated with four 3/8" holes at 11975' for this test.
5. A Johnston tester was run as noted above.

THE INSPECTOR NOTED:

1. When the drill pipe and tubing was removed, 1185' (net) of gassy oil was found in the tubing above the tester, equivalent to 6.8 bbl.
2. There was no evidence of free water in the column of fluid.
3. The recording pressure bomb chart showed that the tester valve was open 1 hr.

The test was completed at 3:00 p.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 11975' IS APPROVED.

JLW:OH

cc- Company

R. D. BUSH, State Oil and Gas Supervisor

By E. H. Musser, Deputy

90092 5-48 12,500 ② SPO

M 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 1-48074

Los Angeles 15, Calif. April 6, 19 50

MR. R. E. Foss
Los Angeles 15, Calif.
Agent for BARNSDALL OIL COMPANY

DEAR SIR:

Your supplementary proposal to deepen Well No. "Newhall Corp. Wolfson" 2-5, Section 26, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County, dated March 28, 19 50, received April 3, 19 50, 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:
The water shut-off test through test holes at 9335' was approved.

THE NOTICE STATES:
"The present condition of the well is as follows:
1. Complete casing record.
13 3/8" - 54.5# csg. cmt'd. @ 452' w/375 sx.
7" - 32#, 29#, 26# & 23# csg. cmt'd. @ 10,335' w/600 sx.
4 - 3/8" holes @ 10,310' W.S.O. (Bullet gun)
4 - 3/8" holes @ 9335'. W.N.S.O.
40 - 1/2" holes, 4 per ft., from 10,200' to 10,190' (Jet).
40 - 1/2" holes, 4 per ft., from 10,130' to 10,120' (Jet).
40 - 1/2" holes, 4 per ft., from 9,430' to 9,420' (Jet).
10 5/8" hole to 10,371'
5 7/8" hole to 12,428'.
NOTE: Well was tested as uncommercial in 5th Zone, then deepened to 7th Zone. The 6th & 7th Zones were found to be approx. 400' low structurally and are not expected to be commercial."

PROPOSAL:
"The proposed work is as follows:
1. Run 5" - 18# combination liner, to be hung @ 12,427' with top @ 9241', perforated w/1/4" round holes, 12427'-12251' and 12182'-12043'.
2. Cement with 150 sx. thru baffle, collar @ 11,999'.
3. Obtain W.S.O. at approx. 11,970'.
4. Make production test of 7th Zone, 12,425'-12,050'.
5. Obtain W.S.O. above 6th Zone at about 11,500'.
6. Gun perforate 11,665'-11,520' and make production test of 6th Zone.
7. If either zone is commercial a W.S.O. on the liner lap at 9,241' will be obtained.
8. If neither zone is productive the well will be abandoned. A supplemental notice will be submitted at that time.
NOTE: The above proposal was approved by Mr. Cecil Barton by telephone on March 28, 1950."

DECISION:
THE PROPOSAL IS APPROVED.

JLW:OH

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

cc- Company

2402 1-49 36,500 SPO

Blanket bond.

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
APR 3 - 1950
LOS ANGELES CALIFORNIA

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given fifteen days before work begins when possible

Los Angeles Calif. March 28 19 50

DIVISION OF OIL AND GAS

Los Angeles Calif.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121

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 Corporation-
(Cross out unnecessary words)

Wolfson #2-5, Sec. 26, T. 4 N., R. 17 W., S.B. B. & M.

Newhall-Potrero Field, Los Angeles County.

The present condition of the well is as follows:

1. Complete casing record.

13 3/8" - 54.5# csg. cmt'd. @ 452' w/375 sx.
7" - 32#, 29#, 26# & 23# csg. cmt'd. @ 10,335' w/600 sx.
4 - 3/8" holes @ 10,310' W.S.O. (Bullet gun)
4 - 3/8" holes @ 9335'. W.N.S.O.
40 - 1/2" holes, 4 per ft., from 10,200' to 10,190' (Jet).
40 - 1/2" holes, 4 per ft., from 10,130' to 10,120' (Jet).
40 - 1/2" holes, 4 per ft., from 9,430' to 9,420' (Jet).
10 5/8" hole to 10,371'.
5 7/8" hole to 12,428'.

NOTE: Well was tested as uncommercial in 5th Zone, then deepened to 7th Zone. The 6th & 7th Zones were found to be approx. 400' low structurally and are not expected to be commercial.

2. Last produced _____ (Date) _____ (Net Oil) _____ (Gravity) _____ (Cut)

The proposed work is as follows:

1. Run 5" - 18# combination liner, to be hung @ 12,427' with top @ 9241', perforated w/1/4" round holes, 12427'-12251' and 12182'-12043'.
2. Cement with 150 sx. thru baffle, collar @ 11,999'.
3. Obtain W.S.O. at approx. 11,970'.
4. Make production test of 7th Zone, 12,425'-12,050'.
5. Obtain W.S.O. above 6th Zone at about 11,500'.
6. Gun perforate 11,665'-11,520' and make production test of 6th Zone.
7. If either zone is commercial a W.S.O. on the liner lap at 9,241' will be obtained.
8. If neither zone is productive the well will be abandoned. A supplemental notice will be submitted at that time.

NOTE: The above proposal was approved by Mr. Cecil Barton by telephone on March 28, 1950.

BARNSDALL OIL COMPANY
(Name of Operator)

By R. E. Foss
R. E. FOSS, Agent

HMS-JSH

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

FORM 107
73216 5-47 17,500 SPO

1015 West Olympic Blvd.
Los Angeles 15
January 17, 1950

Mr. R. E. Foss, Agent
Barnsdall Oil Company
714 West Olympic Blvd.
LOS ANGELES 15

Dear Sir:

Please refer to our report No. T 1-50366, dated October 13, 1949, Special Report on Operations Witnessed, and our report No. T 1-50622, dated December 15, 1949, Report on Test of Water Shut-off, covering work on your well No. "Newhall Corp. Wolfson" 2-5, Sec. 26, T. 4 N., R. 17 W., S. B. B. & M., Newhall-Potrero field, Los Angeles County, and correct the casing record of well to read, 13-3/8" cem. 452' instead of 325'.

We have corrected our copies of these reports.

Yours truly,

J. S. Murse
Deputy Supervisor.

oh

cc- Mr. R. D. Bush (2)
Company

FORM 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P1-47742

Los Angeles 15, Calif. January 17, 1950

MR. R. E. Foss

Los Angeles 15, Calif.

Agent for BARNSDALL OIL COMPANY

124

DEAR SIR:

Your proposal to deepen Well No. "Newhall Corp. Wolfson" 2-5

Section 26, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County,

dated Jan. 9, 1950, received Jan. 12, 1950, 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:
The 7" water shut-offs above perforations at 10310' and 9335' were approved.

THE NOTICE STATES:
"The present condition of the well is as follows:
1. Complete casing record.
13 3/8" 54.5# C. 452'
7" 23, 26, 29 & 32# C. 10335', W.S.O. at 10310' and 9335'.
Perf. w/4-1/2" holes per foot 10,200'-10,190',
10,130-10,120', 9430'-9420'.
10 5/8" hole to 10,371'
5 7/8" hole to 10,683'

2. Last produced ---- (Date)"

PROPOSAL:
"The proposed work is as follows:
1. Drill to and make test of 6th zone. (Est. top of zone at 11,100').
2. If 6th zone is not productive, drill to and make test of 7th zone. (Est. top of zone at 11,785').
3. If 6th or 7th zone is productive, cement combination 4 3/4" or 5" liner, bringing lap to about 9300' to cover shot holes in 7" casing."

DECISION:
THE PROPOSAL IS APPROVED PROVIDED THAT THIS DIVISION SHALL BE NOTIFIED TO WITNESS
1. A test after cleaning out below the top of the liner to demonstrate that no fluid has access to the well between the 7" and 4-3/4" or 5" casings.
2. A test of the effectiveness of the 4-3/4" or 5" shut-off.

NNS:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

2402 1-49 35,500 SPO

Blanket bond.

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

RECEIVED
JAN 12 1950
LOS ANGELES, CALIFORNIA

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given fifteen days before work begins when possible

Los Angeles Calif. January 9 19 50

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 deepening, ~~redrilling, plugging or altering casing~~ at well No. Newhall Corporation-Wolfson #2-5, Sec. 26, T. 4 N., R. 17 W., S.B. B. & M.

(Cross out unnecessary words)

Newhall-Potrero Field, Los Angeles County.

The present condition of the well is as follows:

1. Complete casing record.

13 3/8" 54.5# C. 452'
7" 23, 26, 29 & 32# C. 10335', W.S.O. at 10310' & 9335'.
Perf. w/4-1/2" holes per foot 10,200'-10,190', 10,130-10,120', 9430'-9420'.
10 5/8" hole to 10,371'
5 7/8" hole to 10,683'

2. Last produced ____ (Date) ____ (Net Oil) ____ (Gravity) ____ (Cut)

The proposed work is as follows:

1. Drill to and make test of 6th zone. (Est. top of zone at 11,100').
2. If 6th zone is not productive, drill to and make test of 7th zone. (Est. top of zone at 11,785').
3. If 6th or 7th zone is productive, cement combination 4 3/4" or 5" liner, bringing lap to about 9300' to cover shot holes in 7" casing.

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
			Blanket	SB	SB

BARNSDALL OIL COMPANY
(Name of Operator)

By R. E. Foss
R. E. FOSS, AGENT

HMS—JSH

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

FORM 107

FORM 109-A

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-50716

Los Angeles 15, Calif. January 12, 1950

Mr. R. E. Foss
Los Angeles 15, Calif.
Agent for BARNSDALL OIL COMPANY

DEAR SIR: "Newhall Corp. Wolfson"

Your well No. 1 25, Sec. 26, T. 4 N., R. 17 W., S. B. B & M.
Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on January 4, 1950. Mr. J. L. White, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present Hal Stanier and Frank Rieber, Engineers.

Shut-off data: 7 in. 23, 26, 29 & 32 lb. casing was cemented xxxx at 10335 ft. on December 5, 1949 in 11 in. hole with 600 sacks of cement xxxxx of which 16 sacks was left in casing.

Casing record of well: 13-3/8" cem. 452'; 7" cem. 10335'; four 1/2" test holes 10310', W.S.O.; four 3/8" test holes 9335', W.S.O.

Present depth 10683 ft. Bridged with cement from 10325 ft. to 10250 ft. Cleaned out to 10250 ft. for test. A pressure of xxx lb. was applied to the inside of casing for xxx min. without loss after cleaning out to xxx ft. A Johnston tester was run into the hole on 3-1/2 in. drill pipe with 1000 ft. of water-cushion, and packer set at 9317 ft. with tailpiece to 9334 ft. Tester valve, with 3/8 in. bean, was opened at 1:05 p.m. and remained open for 1 hr. and xxx min. During this interval there was a steady, strong, decreasing to light blow for 3 min.; a steady, light blow for 19 min.; a very light blow for 13 min.; a faint blow for 10 min.; and no blow thereafter.

THE INSPECTOR ARRIVED AT THE WELL AT 5:30 P.M. AND MR. STANIER REPORTED:

1. A 5-7/8" rotary hole was drilled from 10371' to 10683'.
2. A bridging plug was placed at 10325' and a cement plug was placed 10325'-10250'.
3. The 7" casing was shot-perforated with four 3/8" holes at 9335' for this test.

THE INSPECTOR NOTED:

1. When the drill pipe was removed, 540' (net) of gassy, oil-stained, drilling fluid and water was found in the drill pipe above the tester, equivalent to 4.2 bbl.
2. Water filtered from fluid sample taken at the bottom of the drill pipe tested less than 200 grains of salt per gallon indicating fresh water from the drilling fluid.
3. The recording pressure bomb chart showed that the tester valve was open 1 hr.

The test was completed at 6:30 p.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 9335' IS APPROVED.

JLW:OH

cc- Company

R. D. BUSH, State Oil and Gas Supervisor

By E. H. Wiese, Deputy

90092 5-48 12,500 ② SPC

FORM 111.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-47714

Los Angeles 15, Calif. January 10, 1950

Mr. R. E. Foss
Los Angeles 15, Calif.
Agent for BARNSDALL OIL COMPANY

121

Dear Sir:

Your "Newhall Corp. Wolfson" proposal to plug & alter casing Well No. 2-5,
Section 26, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County,
dated Jan. 1, 1950, received Jan. 5, 1950, 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: The condition of the well is as stated in the notice.

THE NOTICE STATES:

"The present condition of the well is as follows:

1. Complete casing record.
   13 3/8" - 54.5# Csg. cmt'd. @ 452' w/325 sx. Cmt. to surface
   7" - 32, 29, 26 & 23# Smls. N80 & J55 Csg. Cmt'd. @ 10,335' w/600 sx.
   4 - 3/8" Holes @ 10,310' (W.S.O.)
   10 5/8" Hole to 10,371'
   5 7/8" Hole to 10,683'
2. Last produced ___ (Date) ___ (Net Oil) ___ (Gravity) ___ (Cut)"

PROPOSAL:

"The proposed work is as follows:

1. Set bridge plug in 7" casing at 10,325'
2. Plug w/cement 10,325' - 10,250'
3. Shoot 4 - 3/8" Holes in 7" @ 9335' for W.S.O. test.
4. Make W.S.O. test of 4 - 3/8" holes @ 9335'.
5. Shoot 1/2" holes for production tests between 9400' and 9300', 10,140' - 10,120', 10,200' - 10,180'.
6. Further program will be made on results of above tests."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT THIS DIVISION SHALL BE NOTIFIED TO WITNESS a test of the effectiveness of the 7" shut-off through perforations at 9335'.

CLB:OH

cc- Company

FW

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy
EHM

Blanket bond.

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JAN 5 1950
LOS ANGELES, CALIFORNIA

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given fifteen days before work begins when possible

Los Angeles Calif. January 1 19 50

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 deepening, redrilling, plugging or altering casing at well No. Newhall Corporation—
(Cross out unnecessary words)
Wolfson 2-5, Sec. 26, T. 4 N., R. 17 W., S.B. B. & M.

Newhall-Potrero Field, Los Angeles County.

The present condition of the well is as follows:

1. Complete casing record.

13 3/8" - 54.5# Csg. cmt'd. @ 452' w/325 sx. Cmt. to surface
7" - 32, 29, 26 & 23# Smls. N80 & J55 Csg. Cmt'd. @ 10,335' w/600 sx.
4 - 3/8" Holes @ 10,310' (W.S.O.)
10 5/8" Hole to 10,371'
5 7/8" Hole to 10,683'

2. Last produced ——— (Date) ——— (Net Oil) ——— (Gravity) ——— (Cut)

The proposed work is as follows:

1. Set bridge plug in 7" casing at 10,325'
2. Plug w/cement 10,325' - 10,250'
3. Shoot 4 - 3/8" Holes in 7" @ 9335' for W.S.O. test
4. Make W.S.O. test of 4 - 3/8" holes @ 9335'.
5. Shoot 1/2" holes for production tests between 9400' and 9300', 10,140' - 10,120', 10,200' - 10,180'.
6. Further program will be made on results of above tests.

MAP | BOND | FORMS 114 121

BARNSDALL OIL COMPANY
(Name of Operator)

By R. E. Foss
R. E. FOSS, Agent

HMS—JSH

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

FORM 109-A (10-48)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-50622

Los Angeles 15, Calif. December 15, 1949

Mr. R. E. Foss
Los Angeles 15, Calif.
Agent for BARNSDALL OIL COMPANY (2)
"Newhall Corp. Wolfson"

DEAR SIR:

Your well No. 2-5, Sec. 26, T. 4N., R. 17W., S. B. B & M.
Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on December 10, 1949 Mr. N. N. Sampson, Inspector, designated by the supervisor, was present as prescribed in Secs. 3222 and 3223, Ch. 93, Stat. 1939; there were also present J. Beard, Drilling Foreman; Frank Reiber, Engineer.

Shut-off data: 7 in. 23, 26, / 29 & 32 lb. casing was cemented xxx at 10335 ft. on December 5, 1949 in 11 in. hole with 600 sacks of cement xxx 452' * of which 16 sacks was left in casing.

Casing record of well: 13-3/8" cem. ~~325~~ 452'; 7" cem. 10335', four 1/2" test holes 10310', W.S.O.

Present depth 10371 ft. Bridged with cement from 10335 ft. to 10325 ft. Cleaned out to 10325 ft. for test.
A pressure of 2000 lb. was applied to the inside of casing for 5 min. without loss after cleaning out to 10325 ft.
A Johnston tester was run into the hole on 3-1/2 in. drill pipe ~~tubing~~ with 1600 ft. of ~~xxxx~~ mud cushion, and packer set at 10239 ft. with tailpiece to 10256 ft.
Tester valve, with 3/8 in. bean, was opened at 8:46 p.m. December 9, 1949 and remained open for 1 hr. and xxx min. During this interval there was a medium steady blow for 3 minutes, no blow for 2 minutes, a faint blow for 1 minute and no blow thereafter.

*Correction letter 1/17/50 OH

THE INSPECTOR ARRIVED AT THE WELL AT 3:15 A.M. AND MR. REIBER REPORTED THE FOLLOWING:

1. An 11" rotary hole was drilled from 452' to 10231' and a 10-5/8" rotary hole from 10231' to 10371'.
2. Electrical core readings showed the top of the objective oil sand at 10335'.
3. Cement was drilled out of the 7" casing from 10244' to 10325', equivalent to 14 sacks, and the casing was cleaned out to 10325'.
4. The 7" casing was shot-perforated with 4, 1/2" holes at 10310' for this test.

THE INSPECTOR NOTED THE FOLLOWING:

1. When the drill pipe was removed, 40' of medium drilling fluid was found in the drill pipe above the tester, equivalent to 0.5 bbl.
2. The recording pressure bomb chart showedthat the tester valve was open 60 minutes.

The test was completed at 4:00 a.m.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 10310' IS APPROVED.

cc - Company

NNS:ES

R. D. BUSH, State Oil and Gas Supervisor

By E. H. Messer, Deputy

98241 10-48 25M SPO

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-50366

Los Angeles 15, Calif. October 13, 1949

Mr. R. E. Foss
Los Angeles 15, Calif.
Agent for BARNSDALL OIL COMPANY

DEAR SIR: "Newhall Corp. Wolfson"

Operations at your well No. 2-5 Sec. 26, T. 4 N., R. 17 W., S. B. B. & M., Newhall-Potrero Field, in Los Angeles County, were witnessed by N. N. Sampson, Inspector, representative of the supervisor, on October 3, 1949. There was also present H. Stanier and F. Reiber, Engineers.

Casing Record 13-3/8" cem. ~~325~~ 452' *. T. D. 5009'.

Junk None

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

The inspector arrived at the well at 2:20 p.m. and Mr. Stanier reported:

1. A 17-1/2" rotary hole was drilled from the surface to 452'.
2. On September 18, 1949, 13-3/8", 54.5 lb. casing was cemented at 452' with 325 sacks of cement.
3. Cement returned to the surface.
4. An 11" rotary hole was drilled from 452' to 5009'.

THE INSPECTOR NOTED THAT THE WELL WAS EQUIPPED WITH THE FOLLOWING BLOWOUT PREVENTION EQUIPMENT:

1. A Shaffer double cellar control gate for closing in the well with the drill pipe out of the hole, and for closing around the 4-1/2" drill pipe.
2. The controls for the above equipment were located outside the derrick.
3. A 2" mud fill-up line with a 2" high pressure stopcock into the 13-3/8" casing below the above equipment.

The inspection was completed at 2:45 p.m.

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

2/5

NNS:OH

*Correction letter 1/17/50 OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Musser Deputy

86681 2-48 16,250 ⓢ SPO

M 111 (1-49)

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 1-47257

Los Angeles 15, Calif. September 19, 1949

Mr. R. E. Foss
Los Angeles 15, Calif.
Agent for BARNSDALL OIL COMPANY

Dear Sir:

Your "Newhall Corp. Wolfson" proposal to drill Well No. 2-5,
Section 26, T. 4 N., R. 17 W., S.B.B. & M., Newhall-Potrero Field, Los Angeles County,
dated Sept. 13, 1949, received Sept. 14, 1949, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:

"The well is 4029.88 feet S. and 9633.96 feet E. from Corner "J"

The elevation of the kelly bushing / conc. mat above sea level is 1294.14 / 1281.14 feet

We estimate that the first productive oil or gas sand should be encountered at a depth of about 10,275 feet."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as herein indicated:

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
13 3/8"	54#	Smls.	450'	Cemented
7"	23, 26, 29 & 32#	N80 & J55	10,275'	Cemented
5-1/2"	17#	J55	10,600'	Hung

Well is to be drilled with rotary tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT

1. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
2. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.
3. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   (a) To inspect the installed blowout prevention equipment before drilling below 1500'.
   (b) To witness a test of the effectiveness of the 7" shut-off.

EMMA:OH

cc- Company

R. D. BUSH
State Oil and Gas Supervisor

By [signature] Deputy

2402 1-49 36,500 SPO

Blanket bond.

105.
CALIFORNIA STATE PRINTING OFFICE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

037-12614

Notice of Intention to Drill New Well 9

This notice must be given and surety bond filed before drilling begins

RECEIVED
SEP 14 1949
LOS ANGELES, CALIFORNIA

Los Angeles Calif. September 13 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 Corp. Wolfson" #2-5, Sec. 26, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

Lease consists of

The well is 1029.88 feet ~~N.~~ or S., and 9633.96 feet E. ~~or W.~~ from Corner "J"
(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the ~~ground~~ kelly bushing above sea level is 1294.14 feet.
conc. mat 1281.14

We estimate that the first productive oil or gas sand should be encountered at a depth of about 10,275 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#	Smls.	450'	Cemented
7"	23, 26, 29 & 32#	N80 & J55	10,275'	Cemented
5-1/2"	17#	J55	10,600'	Hung

Well is to be drilled with rotary tools.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

Address 714 W. Olympic Boulevard
Los Angeles 15, California

Telephone number RI 5171

BARNSDALL OIL COMPANY
(Name of Operator)

By R. E. Foss
R. E. FOSS Agent

HMS-JSH

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
9.77 18	9.77				

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

F.E. Armijo, Agent
Oryx Energy Company
25322 W. Rye Canyon Road
P.O. Box 55060
Valencia, CA. 91355

Ventura, California
February 7, 1990

Your report of abandonment of well "Newhall-Corp.Wolfson" 6-7, A.P.I. No. 037-12618, Section 26, T. 4N, R. 27W, SB B.&M., Newhall-Potrero field, Los Angeles County, dated 12--6-89, received 1-8-90, 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 BOOK	CARDS	BOND	EDP	FORMS 114	FORMS 121
253	2/17/90 BH	—	5B	✓	—	✓

cc: Conservation Committee
Update
bb

M.G. MEFFERD, State Oil and Gas Supervisor

By Patrick J. Kinnear
Patrick J. Kinnear, Deputy Supervisor

OG159

OPERATOR Sun
WELL NO. "Turtle Corp-Watson" 6-7
MAP

INTENTION	Abd	Supp				
NOTICE DATED	6-20-89	6-29-89				
P-REPORT NUMBER	289-189	289-2H				
CHECKED BY/DATE		BH 2/8/90				
MAP LETTER DATED		2/17/90				
253 SYMBOL						

	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED	REC'D	NEED
NOTICE	6-21-89		7-3-89									
HISTORY	1-8-90		1/3/90									
SUMMARY												
E-LOG												
MUD LOG												
DIPMETER												
DIRECTIONAL												
CORE/SWS												
CBL												

ENGINEERING CHECK

T-REPORTS		✓				
OPERATOR'S NAME		✓				
WELL NO.		✓				
LOC & ELEV		✓				
SIGNATURE		✓				
SURFACE INSP.		12/11/89				
DRILL CARD						
RECORD'S COMPLETE		BH 2/1/90				

FINAL LETTER OK
MAILED
RELEASED BOND
EKP Abd 9-25-89

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

JAN 8 1990

VENTURA, CALIFORNIA

History of Oil or Gas Well

Operator ORYX ENERGY COMPANY Field or County Newhall-Potrero
Well Newhall Corporation-Wolfskill 26 #7 Sec. 26, T 4N, R 17W, SB B. & M.
A.P.I. No. 037-12618 Name F. E. ARMIJO (Person submitting report) Title Agent (President, Secretary or Agent)
Date 12-6, 1989

Signature F. E. Armijo

Box 55060, Valencia, California 91355-0560 (Address) (805) 257-6200 (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

1989

P&A, OTHER
7" CSG TO 12100'/5 1/2" LINER 12086-12359'/PBTD 12359'/PERFS 12070-12342'/
7TH ZONE/LA COUNTY/P# 865628/
09/14/89
*** FIRST REPORT ***
9-12-89/MIRU/SPOT TANK & PUMP & TBG TRAILERS/
09/15/89
9-13/REMOVE WELLHEAD/INSTL BOP & TST, OK/POH W 600' 2-7/8" TBG/MEAS & RIH W 809' 2-3/8" TBG, RUN 18 JTS 2-7/8" OUT OF DERRICK, MEAS & RIH W 212 JTS 2-7/8" OFF TRAILER/SDFN/
09/16/89
9-14-89/ OPEN WELL/CONT PICKING UP 2 7/8 TBG/PICKED UP 141 JT/TOTAL JT IN HOLE OF 397/TAG TD @ 12326'/PULLED UP ONE JT/RIGGED UP PUMP, CIRCULATED HOLE WITH 11.3 PPG MUD BACK TO SURFACE/PULLED UP OUT OF LINER/SWIFN/
09/17/89
9-15-89/ OPEN WELL/FILLED HOLED W/8 BBL OF MUD/CIRCULATED WELL/RUBJ/TESTED LINES TO 3000 PSI/TBG TAIL @ 12,204'/PUMPED 15 BBL FRESH WATER AHEAD OF 51.62 CU FT/CLASS G CEMENT W/2% RETARDER (45 SX)/DISPLACE W/16 CU FT FRESH WATER & 360 CU FT 11.2 PPG MUD/PULLED TBG TO 10,964'-20 STAND/EST TOC @ 11917'/REVERSED OUT 70 BBL MUD/SWIFWE/
09/18/89
9-16-89 SWIFWE/
09/19/89
9-17-89/ SWIFN/
09/20/89
9-18/RIH TAG CMT @ 11,952' W/10,000# WT/POH LAYING DOWN TBG (342 JTS) AND STAND REMAINDER IN DERRICK/FILL CSG W.11.2# GAL MUD/RU DIA-LOG/RIH AND SHOOT 4 HOLES @ 1600'/RD DIA-LOG/RIH W/26 JTS 2 3/8" TBG & 25 JTS 2 7/8" TBG TO 1597'/CIRC W/10.5#/GAL MUD/RU BJ & TEST LINES TO 3000#-OK/PUMP 15 BBL FW, 64.5 CU FT CLASS "G" CMT W/2% CACL, FOLLOWED BY 9.92 CU FT FW/ DISP W.27.30 CU FT 10.5#/GAL MUD/POH TO 853'/SQUEEZE AWAY 30 CUT FT CMT @ 150 PSI/SDFN/

09/21/89
9-19/RIH TAG CMT 1433'/POH LAYING DOWN TBG/FILL HOLE W/MUD/DIA-LOG SHOOT 4 HOLES @ 31'/CIRC 7" THRU 11 3/4"/RU BJ/PUMP 53 CU FT (48 SX) CLASS "G" CEMENT W/2% CACL/PUMP DOWN 7' CSG & UP 11 3/4"/CLOSE 11 3/4" AND SQUEEZE AWAY @ 200 PSI/RD BJ/RDMO/DROP FROM REPORT PENDING SURFACE ABAND/
09/22/89
DROPPED FROM REPORT 9-21-89/

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No.T 289-292

REPORT ON OPERATIONS

F.E. Armijo, Agent
Oryx Energy Company
25322 W. Rye Canyon Road
P.O. Box 55060
Valencia, CA. 91355

Ventura, California
September 22, 1989

Your operations at well "Newhall-Corp.Wolfson" 6-7, API No. 037-12618, Sec. 26, T. 4N, R. 17W, S.B.B.&M. Newhall Potrero Field, in Los Angeles County, were witnessed on 9/19/89. Pam Ceccarelli, representative of the supervisor, was present from 1100 to 1130. There were also present Ken Kennedy.

Present condition of well: 11 3/4" cem 599'; 7" cem 12100', perf 12070' (WSO); 5 1/2" ld 12086'-12359', perfs 12110'-12342'. TD 12361'. Plugged w/cem 12204'-11952', 1597'-1433', 31'-5'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

ljg

SURF INSP OK 12/11/89 BH

M.G. MEFFERD, 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.P 289-214
Field Code 500
Area Code 00
New Pool Code --
Old Pool Code 30

PERMIT TO CONDUCT WELL OPERATIONS

F.E. Armijo, Agent
Sun Exploration & Prod. Co.
25322 W. Rye Canyon Road
P.O. Box 55060
Valencia, CA. 91355

Ventura, California
July 11, 1989

Your supplementary proposal to abandon well "Newhall Corp.-Wolfson" 6-7 A.P.I. No. 037-12618, Section 26, T. 4 N, R. 17W, S.B. B.&M., Newhall-Potrero field, any area, 5th pool, Los Angeles County, dated 6/29/89, received 7/3/89, has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:
1. Requirements specified in permit No. P289-189 dated 6/26/89 shall apply.

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

EXPRESS MAIL

Form OG123 (11/80/DWRR/5M)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

SUPPLEMENTARY NOTICE

ISION OF OIL AND
RECEIVED
JUL 3 1989
ENTURA, CALIFORNI

FOR DIVISION USE ONLY			
BOND	FORMS		EDP WELL FILE
	OGD114	OGD121	
BB	—	✓	

DIVISION OF OIL AND GAS

VENTURA, Calif.

A notice to you dated JUNE 20, 19 89, stating the intention to

ABANDON, (Drill, rework, abandon) NCW #6-7 (Well name and number), API No. 037-12618,

Sec. 26, T. 4N, R. 17W, SB B. & M., NEWHALL-POTRERO Field,

LOS ANGELES County, should be amended because of changed conditions.

The present condition of the well is as follows:

Total depth

Complete casing record including plugs and perforations

We now propose

TO CHANGE STEP 2 TO READ:
2. POOH STANDING W/20 JTS 2-7/8" TBG. PU & RIH W/SAWTOOTH COLLAR ON 10 JTS OF 2-3/8" 4.7# J-55 TBG. 20 JTS 2-7/8" TBG + ±370 JTS 2-7/8" 6.5# J-55 WS TO BOTTOM. CLEAN OUT HOLE TO 12,220' IF NECESSARY.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address 25322 W. RYE CANYON ROAD (Street)

VALENCIA, CALIFORNIA 91355-0560 (City) (State) (Zip)

Telephone Number (805) 257-6200

SUN EXPLORATION AND PRODUCTION COMPANY (Name of Operator)

Type of Organization CORPORATION (Corporation, Partnership, Individual, etc.)

By F. E. ARMIJO (Name)

Signature F. E. Armijo (Date) 6/29/89

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

No. P 289-189
Field Code 500
Area Code 00
New Pool Code --
Old Pool Code 40

PERMIT TO CONDUCT WELL OPERATIONS

F.E. Armijo, Agent
Sun Exploration & Prod. Co.
25322 W. Rye Canyon Road
P.O. Box 55060
Valencia, CA. 91355

Ventura, California
June 26, 1989

Your proposal to abandon well "Newhall Corp.-Wolfson" 6-7, A.P.I. No. 037-12618, Section 25, T. 4 N, R. 17W, S.B. B.&M., Newhall-Potrero field, any area, 7th pool, Los Angeles County, dated 6/20/89, received 6/21/89, 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 during abandonment operations.
2. Any sump used during these operations shall be thoroughly cleaned and filled with earth as soon as operations are completed.
3. A diligent effort shall be made to clean out the well to at least 12,359'.
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 11,970' and 1500'.
   b. To witness the mudding of the well.
   c. To witness the squeeze-cementing of the 7" casing through the perforations at 1600'.
   d. To witness the placing of the surface plug or to verify its location.
   e. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Engineer Pam Ceccarelli

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

VISION OF OIL AND
RECEIVED
JUN 21 1989
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
✓	MB	✓	✓

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 CORPORATION-WOLFSON #6-7, API No. 037-12618,

Sec. 26, T. 4N, R. 17W, SB B. & M., NEWHALL-POTRERO Field, LOS ANGELES County.

commencing work on JULY 5, 19 89.

The present condition of the well is: SHUT-IN

1. Total depth: 12,359'

2. Complete casing record, including plugs and perforations:

SEE ATTACHED

3. Last produced 2/29/88 (Date) 13 (Oil, B/D) 38 (Gas, Mcf/D) 0 (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: ±1500'

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 25322 West Rye Canyon Road (Street)
Valencia (City) CA (State) 91355-0560 (Zip)
Telephone Number (805) 257-6200 (Area Code) (Number)

SUN EXPLORATION & PRODUCTION CO (Name of Operator)
By F. E. ARMIJO (Print Name)
F. E. Armijo (Signature) 6/20/89 (Date)

OG108 (11-78-GSRI-5M)

RECOMMENDED WORK PROCEDURE Sun—5036-3-C

WELL NAME	FIELD NAME	COUNTY	STATE
NCW #6-7	NEWHALL POTRERO	LOS ANGELES	CA

PERMANENT ZERO POINT	UPPERMOST PLUG	RETAINER
KB 12.5' AGL, GL 1251.95' ASL	12,359'	NONE

	SIZE & WEIGHT PROD	DEPTH SET	PACKER DEPTH (TOP) & TYPE	(1)	(2)	(3)
CASING	7" 26,29,32#	12,100'		None		
	SIZE, WEIGHT, GRADE, ETC.	DEPTH SET	TOP OF CEMENT BEHIND PROD CSG.	CALCULATED	LOG	
TUBING	2-7/8", 6.5# J-55	620'		9,319' EST		
		DEPTH SET	PERFS			
LNR: 5½" 17# J-55		12,086'-12,359'	12,342'-12,110'			

PROCEDURE | **RIG TIME**

CAPACITIES

11-3/4" 47# CSG = 0.6599 cu.ft./lin.ft.
7" 32# CSG = 0.2025 cu.ft./lin.ft.
7" 29# CSG = 0.2085 cu.ft./lin.ft.
7" 26# CSG = 0.2148 cu.ft./lin.ft.
5-1/2" 17# CSG = 0.1305 cu.ft./lin.ft.
2-7/8" 6.5# CSG = 0.03250 cu.ft./lin.ft.
2-3/8" 4.7# CSG = 0.02171 cu.ft./lin.ft.

1. MIRU WO rig. Install Class II 2M BOPE and test to 2000 psi for 15 minutes. Fill hole w/LW (Well capacity = ±2556 cu.ft.= 455 BBLS).

2. POOH standing w/20 jts 2-7/8" tbg. PU & RIH w/sawtooth collar on 10 jts of 2-3/8" 4.7# J-55 tbg, 20 jts 2-7/8" tbg & 370 jts 2-7/8 6.5# J-55 WS to ±12,359'. If fill is encountered, attempt to circulate clean to ±12,359'. Contact DOG to witness cleanout (654-4761).

3. Fill hole with 4 bbls of 72#/cu.ft. mud. POOH with 5 JTS 2 7/8" TBG to ±12,210.

4. MIRU cementers. Spot a balanced plug from ±12,210' to ±11,970' with 38 cu. ft. of class 'G' cement with appropriate additives. PU WS ±700' and reverse circulate with 66 BLW. WOC 4-6 hours. Tag TOC.

5. Fill hole with 400 bbls of 72#/cu. ft. mud. POOH with 10,400' of 2 7/8" TBG to ±1570'.

6. MIRU EWL service. PERF 4 HPF @ 1600' with 1 1/2" hollow carrier through tubing gun or similiar. POOH and RD EWL.

7. RU cementers. Bradenhead squeeze w/28 cu ft of Class 'G' cmt w 3% $CaCl_2$ (100' of surf csg-prod csg annulus). Spot a 22 cu ft cmt plug in 7" csg from ±1600' to 1500'. PU WS ±500' & rev circ w/7 BLW. WOC 4-6 hrs. Tag TOC.

8. Fill hole w/58 Bbls of 72#/cu ft mud. POOH w/2- 7/8" and 2-3/8" WS. Remove BOP's.

9. RIH w/1 jt of 2-7/8" tbg. Spot 6 cu ft of Class 'G' cmt w/3% $CaCl_2$ from 31' to 6' below GL. POOH w/2-7/8" tbg.

10. RIH w/1 jt of 1-1/2" tbg between 11-3/4" surf csg & 7" prod csg. Spot 10 cu ft of Class 'G' cmt w/3% $CaCl_2$ from 31' to 6' below GL. POOH w/1-1/2" tbg. WOC 4 hrs. Tag TOC. RDMO cementers & rig.

11. Cut surface CSG 5' below ground level. Remove cellar and flowlines, clean location. Weld plate marker over CSG. Contact DOG for surface abandonment approval.

WELL COMPLETION SKETCHES SUN–5036-4-A

WELL	FIELD	DATE
NCW #6-7	NEWHALL-POTRERO	MARCH 10, 1988

☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

SPUD: 9/8/57
COMPLETED: 12/11/57

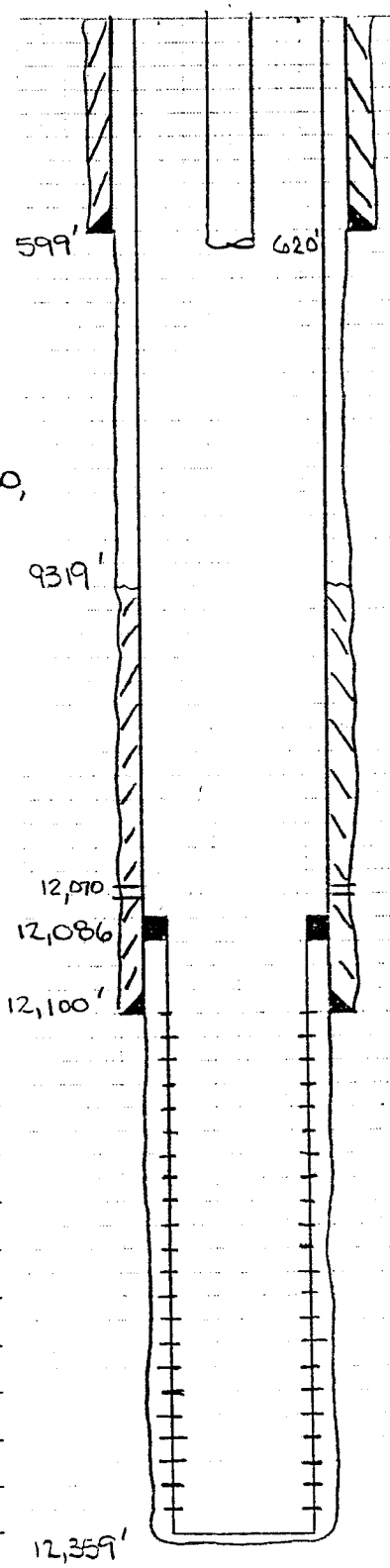
11-3/4", 47# J-55 ST&C CSG, CMT'D @ 599' W/390 SX'S (16" HOLE)

7", 26#, 29# & 32# J-55, N-80, P-110, LT&C X-LINE CSG, CMT'D @ 12,100' W/600 SX'S
EST. TOC @ 9319'
(9 7/8" HOLE)
4-1/2" HOLES @ 12,070 WEO
4-1/2" HOLES @ 12,072

5 1/2", 17# J-55 HYDRILL FLUSH JT. LNR. HUNG @ 12,359', TOP @ 12086'
(6" HOLE)

SHOP PERF'D W/ 192-1/4" ROUND HOLES/FT
16 R x 1"C
FRM: 12,342' - 12,110'

TD: 12,361'



DATA ON THIS COMPLETION

KB: 1264.45' ASL
KB: 12.5' AGL

2-7/8", 6.5# 8RE UE TBG

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or county: NEWHALL-POTRERO	District: 2
Former owner: Sun Oil Company	Date: Mar. 31, 1983

Name and location of well(s)

Sections 21, 22, 25, 26, 27, 28, 35, 36, T4N. R. 17W.

ALL WELLS

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange	New owner	Type of organization
1/1/82	Sun Exploration & Production Co. Address: P.O. Box 55060, Valencia, Ca. 91355	Company Telephone No.: (805) 257-6200

Reported by: Sun Oil Company

Confirmed by: Sun Exploration & Production Co.

New operator new status (status abbreviation)	Request designation of agent
PA	on file
Old operator new status (status abbreviation)	**Remarks**
Ab	NAME CHANGE ONLY

Deputy Supervisor: Murray W. Dosch

Signature: Murray W Dosch

OPERATOR STATUS ABBREVIATIONS

- PA – Producing Active
- NPA – No Potential, Active
- PI – Potential Inactive
- NPI – No Potential, Inactive
- Ab – Abandoned or No More Wells

FORM AND RECORD CHECK LIST

Form or record	Initials	Date	Form or record	Initials	Date
Form OGD121			Map and book		
Form ODG148			Notice to be cancelled		
New well cards			Bond status		
Well records			EDP files		
Electric logs					
Production reports					

SUNRAY MID-CONTINENT OIL COMPANY
California District

DIVISION OF OIL AND GAS
RECEIVED
JAN 10 [illegible]
LOS ANGELES, CALIFORNIA

WELL SUMMARY REPORT

NEW WELL

Field Newhall-Potrero, Los Angeles County

*Well No. "Newhall Corp.-Wolfson" 6-7, Sec. 26, T. 4N, R. 17W, S.B. B. & M.

Location 3181.47' South and 10,186.25' East from Corner "J"

Elevation of K.B. above sea level 1264.45'. K.B. above ~~Concrete Mat~~ Ground 12.50'.

Date January 2, 1958

Signed O. A. Graybeal
O. A. Graybeal, Agent

Contractor Bell and Burden
Type Rig Oilwell 96 w/143' Ideco FullView Mast
Commenced Drilling : September 8, 1957 (Date)
Completed Drilling : December 11, 1957 (Date)

WELL CONDITIONS PRIOR TO WORK

Total Depth - Plugged Depth -

NEW WELL

WELL CONDITIONS AFTER WORK

Total Depth 12,361' Plugged Depth None

11 3/4" 47# J-55 ST&C csg. C. @ 599' w/390 sx.
7" 26#,29#,32# J-55,N-80,P-110 LT&C, X-Line csg.
C. w/shoe @ 12,100' w/600 sx.
4 - 1/2" bullet holes @ 12,070' - WSO
4 - 1/2" bullet holes @ 12,072' - WSO
deferred by D.O.G. WNSO by Sunray.

5 1/2" 17# J-55 Hydril FJ liner H. @ 12,359',
top @ 12,086'.
Shop perf. w/192 - 1/4" rd. holes/ft. from
12,110' to 12,342'.

16" hole to 600'.
10 5/8" hole to 751'.
9 7/8" hole to 12,310'.
6" hole to 12,361' - total depth.

Commenced Producing December 17, 1957 (Date) ~~Flowing/gas lift~~/pumping

	Clean Oil Bbls. per day	Gravity Clean Oil	Per Cent Water Incl. Emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Initial production	85	27.9	4.0	35	110	395
Production after 7 days	65	27.5	3.8	30	100	420

Electrical Log Depths Log Run #1 to 12,300'
Log Run #2 to 12,357' (Attach copy of Log)

WELL SUMMARY REPORT

RCP

FORM 103, 62984 9-46 47,500
CALIFORNIA STATE PRINTING OFFICE

SUBMIT IN DUPLICATE

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL AND GAS
RECEIVED
JAN 10 1958
LOS ANGELES, CALIFORNIA

HISTORY OF OIL OR GAS WELL

OPERATOR Sunray Mid-Continent Oil Company FIELD Newhall-Potrero, Los Angeles County

WELL NO. "Newhall Corp.-Wolfson" 6-7, SEC. 26, T. 4N, R. 17W, S.B. B. & M.

SIGNED O. A. Graybeal

DATE January 2, 1958 TITLE O. A. Graybeal, AGENT
(PRESIDENT, SECRETARY OR AGENT)

Use this form in reporting all important operations at the well, together with the dates thereof, in the order of their performance. Such operations include drilling, redrilling, deepening, plugging, or altering casing as by perforating, shooting, or pulling. Include in your report size of hole drilled, redrilled, or deepened; size, weight and length of casing landed, cemented, or removed, amount and location of perforations; number of sacks of cement used in cementing or plugging operations, number of feet of cement drilled out of casing, location of top and bottom of cement plugs. If the well was dynamited, give date, dimensions and weight of all shots. If tests were made give interval tested and results of tests, such as, amount and nature of fluids recovered.

DATE 1957	
	All measurements are from kelly bushing which is 12.50' above the top of the cellar.
9/8	Spudded in at 10:30 am with 10 5/8" x 16" hole opener to 45'.
9/9	Drilled with 10 5/8" to 751'. Opened hole to 600' with 10 5/8" x 16" hole opener.
9/10	CEMENTED 601.14' of 11 3/4" 47# J-55 ST&C casing with shoe at 599' with 390 sacks of Victor construction cement with 2 1/2% calcium chloride. Displaced with 388 cu.ft. of mud. Used one top and one bottom wooden plug with one 8' wooden spacer. Plugs did not bump. Good returns to surface. Cut off 15' of 11 3/4". Installed B.O.P.E. and tested full closure rams with 1000# for 10 minutes. Ran in and tested pipe rams with 1500# for 15 minutes. Found top plug at 561'. Drilled out 38' of cement. Cleaned out to bottom at 751' and changed mud. Drilled ahead with 9 7/8" bit.
10/1	Changed to high pH oil emulsion mud at 7061'. Added 50 barrels of diesel oil.
10/6	Drilling on junk at 7859'. Lost teeth and small part of cone from 9 7/8" bit No. 49.
10/29	Added 20 barrels of Diesel oil. Depth 10,198'.
10/31	Stuck pipe at 10,234' while repairing drive shaft (27 hours repairing). Spotted 90 barrels of 24° oil and worked loose.
11/6	Cleaned out bridges from 10,631' to 10,702'.
11/7	Worked through key seat at 740'.
11/15	Had 45' fill at 11,448'. Reamed from 11,403' to 11,448'.
11/28	Drilled 9 7/8" hole to 12,310'.
11/29	LOGGING RUN #1 TO 12,310' (EL #1). Ran Schlumberger Electric Log from 599' to 12,310'. By wire line measurement found solid bottom at 12,311'.

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Date
1957
11/30 CEMENTED 7" 26#, 29#, 32#, J-55, N-80, P-110, LT&C, X-Line casing with shoe at 12,100' and float collar at 12,011' with 600 sacks of Victor Hi-Temp cement. Pumped 100 cu.ft. with 100# pyro followed by 100 sacks of cement at 105# slurry and 500 sacks at 116# slurry. Last pump pressure 1000 psi. Final pump pressure 1000 psi. Plugs bumped. Weight before cement 284,000#. Weight after cement 290,000#. Estimated top of cement outside casing at 9319'.

12/1 Landed casing with 277,000# net weight on slips. Found top of cement at 12,001'. Drilled out float collar at 12,011'. Drilled out medium hard cement to 12,086'.

Removed B.O.P. Tested 7" pack-off assembly. Held 2000#. Made Hansen test. Held 3200#.

12/3 SHOT 4 - 1/2" BULLET HOLES AT 12,072'.

TEST #1 ON HOLES AT 12,072'. Ran Cook Hydrovalve Shoot-N-Test on 11,995' of 2 7/8" 10.4# Hydril drill pipe. Collar finder did not work. Shot by drill pipe measurements. Packer at 12.008' and tail to 12,034'. Used 1/2" bottom bean and 1540' of water cushion. Tool open for one hour. Light blow 10 min. Very weak blow (occasionally dead) for remainder of test. Gas to surface in 21 min. Net rise 2225' of oil gas cut mud and gas. Total recovery including water cushion was 1092' of water, 90' of muddy gassy water (started blowing at this point and was alternately blowing or had dry stands for remainder of recovery). Each stand which had fluid had approximately one single of oily gas cut mud, approximately 450' total. BHP charts showed slight plugging action first 15 min., then open remainder of test. Initial hydrostatic pressure 6818#, initial flow 930#, final flow 1790#, final hydrostatic pressure 6818# (instrument read pressures). Division of Oil and Gas decision - deferred. Sunray decision - W.N.S.O.

12/4 Set Baker Model "K" 32# magnesium cement retainer at 12,025' with McCullough wire line. Found casing collars 9 1/2' high with collar finder. Pulled up to check collars and set retainer.

BREAKDOWN #1. Attempted breakdown for squeeze job #1 with 25 cu.ft. of water. Attempted breakdown with 2 7/8" 10.4# Hydril drill pipe as follows: Pressured drill pipe to 3000#, bled back to 1500#, went to 3000# inside, bled back to 2500#. Built to 5200# inside and 3000# on annulus. Had slight break and then constant rise to 7200#. Built annulus to 3600# and went to 8200# inside. Held 8200# for 5 min. NO BREAKDOWN.

12/5 Drilled out retainer at 12,025' (found retainer at 12,016' by drill pipe measurements).

SHOT 4 - 1/2" BULLET HOLES AT 12,070'.

TEST #2 ON HOLES AT 12,070' AND 12,072'. Ran Cook Hydrovalve Shoot-N-Test tool on 2 7/8" 10.4# Hydril drill pipe. Set packer at 12,040' with tail to 12,066'. Used 3/4" bottom bean and 1540' water cushion. Tool open one hour. Had light blow for 10 min.; weak blow (occasionally dead) for 2 min.; dead with occasional weak puffs for 4 min.; dead for 44 min. Recovered water cushion and 410' (2 bbls) oily gas cut 71# mud grading from watery to thick. Charts showed plugging action throughout test. Bottom outside reading Miller chart (below perforated tail) - initial hydrostatic pressure 7400#; initial flow 100 psi; final flow 4000 psi; maximum plugged pressure 4200 psi; final hydrostatic pressure 7300 psi. Inside reading Kuster charts

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Date
1957
12/5 Cont. (above and below bean) showed essentially the same plugging action with approximately 800 psi static pressure during last 45 min. (calculated cushion pressure was 668 psi). Pressure dropped to 700 psi for last 5 min. Field read pressures. Sunray decision - W.N.S.O.

12/6 TEST #3 ON HOLES AT 12,070' AND 12,072'. Ran Cook Hydrovalve tester on 2 7/8" 10.4# Hydril drill pipe. Set packer at 12,030' and tail to 12,057'. Used 3/4" bottom bean, 3/4" surface restriction, and 1545' water cushion. Tool open one hour and 21 min. Had light blow decreasing to dead 7 min.; then dead one hour and 14 min. (remainder of test). Recovered 90' (.405 bbls) of 80#/cu.ft. of drilling fluid. Charts showed initial hydrostatic pressure 6700 psi; initial flow 720 psi; final flow 720 psi; final hydrostatic pressure 6700 psi. Had slight plugging action first 7 min. of open period. Division of Oil and Gas decision - W.S.O.

Drilled out cement plug from 12,086' to 12,103' with shoe at 12,100'. Cleaned out to 12,310' with 6" bit.

Changed over from High pH oil emulsion mud to oil base mud.

12/7 Cored ahead with 6" Mercury core head from 12,310' to 12,361' total depth.
Core #1 from 12,310' to 12,338'.
Core #2 from 12,338' to 12,345'.
Core #3 from 12,345' to 12,361'.

12/9 LOGGING RUN #2 TO 12,357' (IL #1). Ran Schlumberger Induction Log from 12,100' to 12,357'.

HUNG 5 1/2" 17# F.J. LINER WITH SHOE AT 12,359' AND TOP AT 12,086'. Shop perforated with 192 - 1/4" round holes per foot from 12,110' to 12,342'.

12/10 Ran 12,349' of 2 3/8" and 2 7/8" tubing. Changed over from black magic oil base mud to crude oil and pulled tubing.

12/11 Ran 2 3/8" and 2 7/8" tubing with gas anchor, sand shell, tubing anchor and drain, hung at 12,333'.

RELEASED RIG AT 2:00 PM.

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Sunray Mid-Continent Oil Compa
"Newhall Corp.-Wolfson" 6-7
Newhall-Potrero Field

PRODUCTION DATA

Date 1957	Gross	Cut	Net	Gravity	Bean	PRESSURE Tubing	PRESSURE Casing	Gas Mcf	G.O.R.	Remarks
12/17	221	-	221	-	-	-	-	15	-	In check @ 3:00 pm Wash oil.
12/18	267	4.0	256	27.0	-	100	35	21	82	Wash Oil
12/19	114	5.3	108	27.9	-	100	215	7	65	Includes 45 bbls net formation oil
12/20	35	5.3	33	-	-	110	230	9	-	Unit down 2 hrs.
12/21	137	4.6	131	27.1	-	110	365	12	92	
12/22	89	4.0	85	27.9	-	110	395	35	393	
12/23	-	-	-	-	-	-	-	-	-	Out of check due to shipping.
12/24	73	3.8	70	27.7	48	100	420	30	428	
12/25	75	4.2	71	-	-	100	420	32	450	
12/28	63	4.7	60	27.2	-	100	420	30	500	
12/29	68	3.8	65	27.5	48	100	420	30	461	

RCP

DIVISION OF OIL AND GAS
RECEIVED
JAN 10 1958
LOS ANGELES, CALIFORNIA

SUNRAY MID-CONTINENT OIL COMPANY
California District

Newhall Corp.-Wolfson #6-7
(Sec. 26-4N-17W)
Newhall-Potrero Field, Los Angeles County
K. B. Elevation 1264.45'

MERCURY 6" DIAMOND CORE HEAD

Date			
	Core #1 12310'-12338' Cut 28' Rec. 28' Fresh		
12/7/57	12310'-12311'	(1')	Oil sand, brown, medium hard, medium subangular grains grading to 1/4" pebbles, micaceous, poor sorting good permeability and porosity, good stain and odor.
	12311'-12312'	(1')	Siltstone, dark gray, hard, very fine grained, sandy, poor to fair dips 37°-40°.
	12312'-12313-1/2'	(1-1/2')	Oil sand, brown, medium hard, fine to medium subangular grains, micaceous, silty, fair sorting, poor to fair permeability, good stain and odor.
	12313-1/2'-12317'	(3-1/2')	Sandstone, light to dark gray, hard, fine to medium grains, silty, micaceous, shale inclusions, carbonaceous inclusions bottom foot. Dips 45°.
	12317'-12325'	(8')	Oil sand, dark gray, medium hard, medium grains grading to 1/4" subangular pebbles, silty, occasional poker chip parting. Good stain and odor.
	12325'-12326'	(1')	Siltstone, dark gray, hard, very fine grained, dips 37°.
	12326'-12326-1/2'	(1/2')	Oil sand, dark brown, medium hard, fine to medium grains, poor sorting, 1/4" pebble inclusions, carbonaceous inclusions to 1/8". Good stain and odor.
	12326-1/2'-12328'	(1-1/2')	Sandstone, light gray to very light brown, silty, micaceous, occasional pebble streaks to 1/8", shale inclusions, some cleavage, poor stain and odor.
	12328'-12330'	(2')	Sand, gray, medium hard, 1/8" pebbles to medium grains, micaceous, poor to fair sorting, poor to fair permeability, wet.
	12330'-12338'	(8')	Siltstone, dark gray, very fine grained, hard, poor to fair dips 35°-37°.
	Core #2 12338'-12345' Cut 7' Rec. 7' Fresh		
12/8/57	12338'-12345'	(7')	Siltstone, dark gray, hard, very fine grained, occasional very thin sand streaks, fair dips 45°-50°.

LBC/RCP

Sunray Mid-Continent Oil Company
Well No. "Newhall Corp.-Wolfson" 6-7
Newhall-Potrero Field

DIVISION OF OIL AND GAS
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JAN 10 1958
LOS ANGELES, CALIFORNIA

Date			
	Core #3 12345'-12361' Cut 16' Rec. 16' Fresh		
12/9/57	12345'-12352'	(7')	Siltstone, dark gray, hard, very fine grained, good dips 41°-42°.
	12352'-12352-1/2'	(1/2')	Mudstone, dark gray, soft, foliated.
	12352-1/2'-12361'	(8-1/2')	Shale, dark gray, hard, good dips 41°-42°.

Cores described by L. B. Cecil and R. C. Pageman

037-12618

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JAN 2 1978

CORE LABORATORIES, INC. *Petroleum Reservoir Engineering*

SANTA PAULA, CALIFORNIA

Sunray Oil Co

COMPANY SUNRAY MID-CONTINENT OIL COMPANY — DATE ON 12/8/57 — FILE NO. BP-1-710

WELL NEWHALL CORP.-WOLFSON NO. 6-7 — DATE OFF 12/8/57 — ENGRS. GW

FIELD NEWHALL-POTRERO — FORMATION SEVENTH ZONE — ELEV. 1264' KB

COUNTY LOS ANGELES — STATE CALIF. — DRLG. FLD. OIL BASE MUD — CORES DIAMOND

LOCATION SEC. 26-4N-17W — REMARKS SAMPLED BY CLI ENGINEER AS DIRECTED BY REPRESENTATIVE OF CLIENT

SAND · LIMESTONE · CONGLOMERATE · CHERT

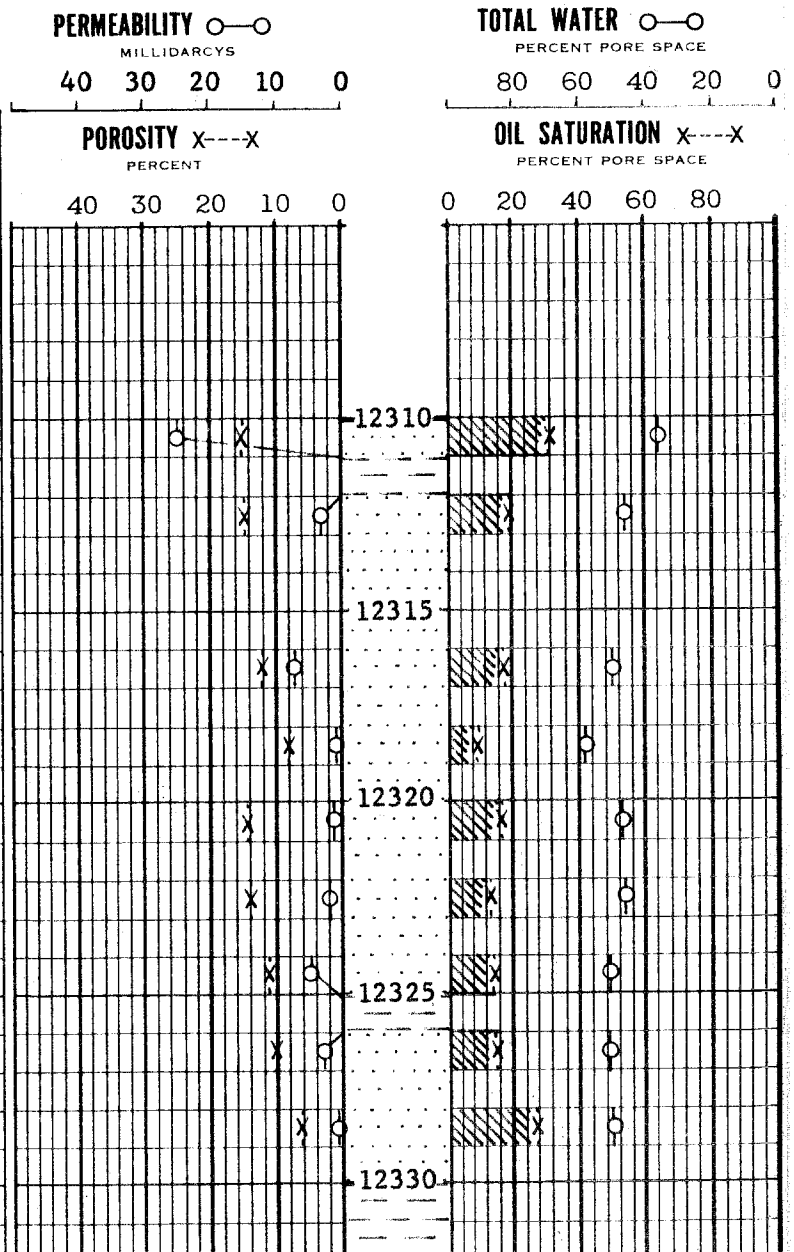
SHALE · DOLOMITE

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

TABULAR DATA and INTERPRETATION

SAMPLE NUMBER	DEPTH FEET	PERM. MD.	POROSITY %	RESIDUAL SATURATION % PORE SPACE		OIL/WATER RATIO	PROD
				OIL	TOTAL WATER		
	PERMEABILITY VALUES REPORTED HAVE BEEN CORRECTED FOR KLINKENBERG EFFECT.						
1	12310-11	25	15.2	32.2	34.9	0.924	OIL
2	12312-13	3.2	14.6	19.2	45.9	0.420	OIL
3	12316-17	7.2	12.2	18.0	49.2	0.365	OIL
4	12318-19	0.9	8.2	9.7	58.5	0.166	(*)
5	12320-21	1.4	14.4	16.7	47.2	0.354	OIL
6	12322-23	2.2	13.8	14.5	46.5	0.312	OIL
7	12324-25	5.2	11.0	14.6	51.0	0.286	OIL
8	12326-27	2.9	10.4	15.4	51.0	0.302	OIL
9	12328-29	0.3	6.4	26.6	50.0	0.533	(*)
	(*) REFER TO ATTACHED LETTER FOR CLARIFICATION OF INTERPRETATION						

COMPLETION COREGRAPH



Well History

037-12618

Sunray Dx Co

26-4-17

S-115-B ☐ DRILLING PROGRAM ☒ WORKOVER PROGRAM STIMULATION

WELL	STATE	DATE
N.C.W. #6-7	California	May 5, 1961
FIELD	**OBJECTIVE**	**ELEVATION**
Newhall-Potrero	Acidize 7th Zone	K.B. 1264.46'

LOCATION

3181.47' S and 10,186.25' E from N.S.F. corner "J", Section 26, T.4N. R.17W. S.B.B.M.

Los Angeles County, California, Newhall-Potrero Field.

PROPOSED WORK

All measurements from original K.B. which is 12.50' above concrete mat.

1. Kill well with oil as necessary. Well to be full of oil prior to spotting acid.

2. Pull rods and pump.

   (a) Install mechanical double shaffer gates.

3. Pull tubing.

4. Run 2 3/8" (in liner) and 2 7/8" Tbg. to bottom of perfs. (12,342') with Baker Model "R" full-bore retrievable cementer in string at approx. 11,600'.

5. Spot 850 gallons Halliburton mud cleanout agent (MCA).

   (a) MCA solution is 10% HCL by wt. using fresh water then 3% surfactant by volume of acid mixture. HAI-34 Inhibitor is added (10 Gal./1000 Gal. of acid solution) assuming BHT of 250° F. This allows approx. 6 hrs. exposure time at 250° F.

   (b) Use cement truck to displace with separate calibrated tanks. Use lease crude oil as displacing fluid.

   (c) Volume of acid used (850 gallons or 114 c.f.) is equal to volume of drilled hole opposite formation.

6. Pull tubing so that bottom of tubing is at 11,600'.

7. Set full-bore.

8. Displace MCA to formation with low rate and pressure. Displace with 114 c.f. crude oil.

SUBMITTED BY
RDC:JOM:BEL:MCW:mjf

CASING ~~MEMBER~~ STRING

11 3/4" 47# J-55 S&C Csg. Cmt'd. at 599' w/ 390 sx.

7" 26, 29, 32# J-55, N-80, P-110 Csg. Cmt'd. at 12,100' w/600 sx.

4 - 1/2" Holes at 12,070' W.S.O.
4 - 1/2" Holes at 12,072' W.N.S.O.

5 1/2" 17# J-55 F.J. liner hung at 12,359', top at 12,086'
Perf. w/192 - 1/4" Rd. holes/ft.
12,110-12,342'.

~~MEMBER~~ REMARKS

16" Hole to 600'.
10 5/8" Hole to 751'.
9 7/8" Hole to 12,310'.
6" Hole to 12,361' T.D.

PRODUCTION TUBING & RODS

TUBING	DEPTH
K.B. to Tbg. suspension	13.00
28 Jts. 2 7/8" N-80 Plastic Coated Tbg.	899.40
192 Jts. 2 7/8" N-80 E.U. Tbg.	6917.19
1 Jt. 2 7/8" J-55 Pup	6919.32
162 Jts. 2 7/8" J-55 E.U. Tbg. Drain, Anchor.	12039.27
7 Jts. 2 3/8" J-55 4.7# E.U. Tbg.	12257.00
Sand shell and Gas anchor	12333.50

RODS	
1", 7/8", 3/4" Rods	
Page on-off attachment	12141.66
3/4" x 2" Rod guide	12142.34
3/4" x 1 5/8" x 2" Rod guide	12174.35
Axelson pump	12221.90

ALL INSTRUCTIONS TO DRILLING CREWS MUST BE DIRECTED THROUGH
Sunray Foreman

APPROVED BY
M. C. Welch, District Production Manager

Sunray Mid-Continent Oil Co.
Newhall-Potrero Field
N.C.W. #6-7

Proposed Work (Continued)

9. Allow acid to set 4 hours.

10. Release full-bore, run tubing to bottom of perfs., and re-set full-bore.

11. Swab out all MCA solution and then release full-bore.

12. Repeat steps 5,6, and 7.

13. Displace MCA to formation with low rate and pressure. Displace with 228 c.f. crude oil.

14. Allow acid to set 4 hours.

15. Release full-bore, run tubing to bottom of perfs., and re-set full-bore.

16. Swab out all MCA solution and then release full-bore.

17. Pull tubing string.

18. Run production tubing, pump and rods.

19. Put well on production.

SUNRAY MID-CONTINENT OIL CO'' NY
CALIFORNIA DISTRICT

DRILLING OR REPAIR PROGRAM

Form 10-OD Rev. 5M 1-57 Dan 83433

Conditions		Depth
Present	Proposed	

AFE
Drilling X
Production

Date June 26, 1957
Field Newhall-Potrero
Well N.C.W. #6-7

ESTIMATED FINAL WELL CONDITIONS: Elev. of K. B. 1345' (Est.)

Total Depth 12,775'
11-3/4" casing cemented at 600'
7" casing cemented at 12,500'
5½" liner hung at 12,775'

LOCATION: A 7th zone north flank well on NCW property offsetting RSF #143-7.
a) Top 7B will be 322' lower than RSF #143-7
b) Base 7C will be 159' lower than RSF #143-7

PROPOSED WORK:

1. Surface casing. Cement 11-3/4" 47# J-55 casing at approximately 600' in 15-1/2" or 16" hole. (See attached casing detail sheet)

2. Install hydraulically operated double Shaffer gates (or equivalent) and Hydril B.O.P. with 80 gallon accumulator.
a) Test to 1000#.
b) Notify Division of Oil and Gas to inspect.

3. Drill ahead with 9-7/8" bit.
a) Start 1/2 hourly drilling rate log at 7000'.

4. Change over to high pH oil emulsion mud at approx. 7000'.
a) Mud weight at casing point to be 80#.

5. Begin taking washed ditch samples every 10 feet (10') from 12,400'.

6. Locate top 7A sand from drilling rate and ditch samples. Estimated top 7A sand 12,500'.
a) Run electric log and directional survey.

7. Production Casing. Cement 7" 23#, 26#, 29# casing at top of 7A sand with 600 sacks of API class "B" cement (See attached casing detail sheet)

8. Drill out cement to 10' above shoe with 6" bit and reamer.
a) Check depth of float collar.
b) Test 7" casing with 1000#.

9. Shoot 4 - 3/8" bullet holes at water shut off point.

10. Run tester for water shut off test.
a) Use 1500' of water cushion.
b) Leave open one hour.
c) Notify Division of Oil and Gas to witness.

- Continued Page 2 -

11. Drill out shoe and clean out to bottom.
    a) Check depth of shoe.

12. Change over to approximately 68# oil base mud.

13. Core ahead continuously to base 7C sand with 6" diamond core head.
    a) Sample cores every 2' for analysis.

14. Estimated total depth 12,775'.

15. Run Induction log from 7" casing shoe to total depth.

16. Hang 5-1/2" 17# J-55 flush joint liner perforated with 192 - 1/4" round holes per foot.

17. Run permanent retainer production packer.

18. Run 2-7/8" J-55 and N-80 tubing with one retrievable valve and a full string of fluid operated gas lift valves.

19. Change from oil base mud to crude oil and complete well.

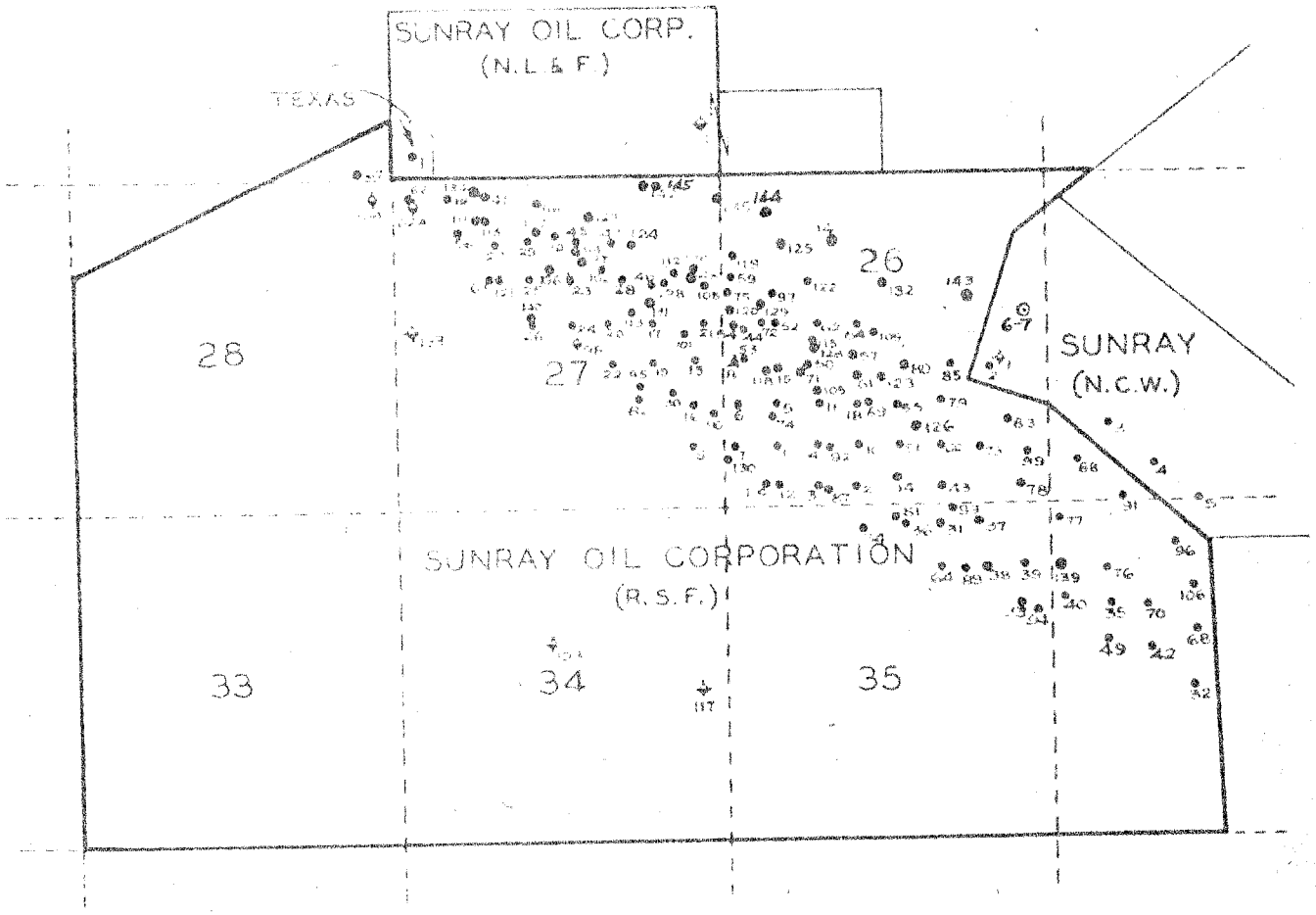
ESTIMATED POINTS

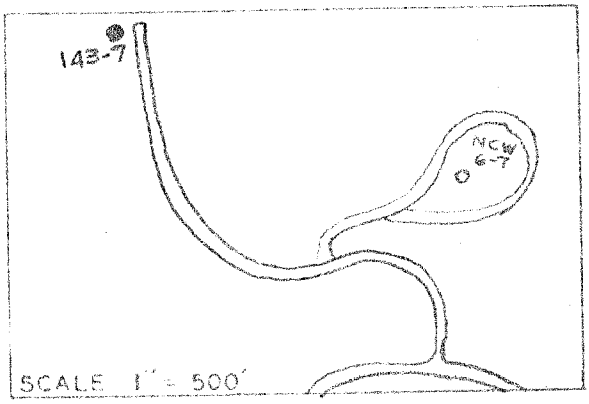
(Based upon drift of 325' in a south 20° west direction)

Top 5th zone	11,300'	(-9,950')
Base 5th zone	11,480'	(-10,130')
Top 6th zone	11,900'	(-10,550')
Base 6th zone	12,270'	(-10,920')
Top 7A sand	12,500'	(-11,150')
Top 7B sand	12,670'	(-11,320')
Base 7C sand	12,745'	(-11,395')
Total Depth	12,775'	(-11,425')

NOTE: Hole deviation not to exceed 3° to 6000'; 5° to 12,000' and 7° to T.D.

JOM: ACC: MCW: dlw





"Newhall Corp-Wolfson" 6-7

T 4 N, R 17 W, S.B.B.& M.

REVISIONS	
	LEASE RANCHO SAN FRANCISCO
	DISTRICT NEWHALL
	FIELD NEWHALL - POTRERO
	COUNTY LOS ANGELES
	PREPARED BY DLW DATE 1954
	~~SUNRAY OIL CORPORATION~~
	CALIFORNIA DIVISION

SCALE 1" 3000'

HOWCO 1010

HALLIBURTON DIVISION LABORATORY

NORWALK, CALIFORNIA – LOS ANGELES DIVISION

MAINTAINED BY HALLIBURTON OIL WELL CEMENTING CO.

LABORATORY REPORT

No. CL3-417-61

To Mr. R. E. Higgins

Halliburton Company

Ventura, California

Date September 27, 1961

THIS REPORT IS THE PROPERTY OF HALLIBURTON OIL WELL CEMENTING COMPANY AND NEITHER IT NOR ANY PART THEREOF NOR A COPY THEREOF IS TO BE PUBLISHED OR USED BY ANY PERSON OR CONCERN WITHOUT FIRST SECURING THE EXPRESS WRITTEN APPROVAL OF LABORATORY MANAGEMENT.

We give below results of our examination of One Oil Sample

Submitted by Mr. Higgins

Marked ~~Sunray Mid-Continent~~ NCW 6-7

PURPOSE

This sample was submitted to determine its emulsion and sludge characteristics with Halliburton MSA and MCA.

DATA

Acid Solution	Emulsion Characteristics	Sludge @ 180°F. and 24 hrs.
15% MCA (Morflo II)	Emulsion unstable @ 180°F.	No sludge
10% MSA (2.5gl3N/1000g)	No emulsion formed	No sludge

Respectfully submitted,

HALLIBURTON OIL WELL CEMENTING CO.

By Stanley H. Shugart

Laboratory Analyst

R. M. Melton

SHS:vw

CC: Mr. V. R. Young

File (2)

HOWCO 1012

HALLIBURTON DIVISION LABORATORY

NORWALK, CALIFORNIA – LOS ANGELES DIVISION

MAINTAINED BY HALLIBURTON OIL WELL CEMENTING CO.

LABORATORY REPORT

No. CLL-fl-61

To Mr. R. E. Higgins

Halliburton Company,

Ventura, California

Date September 18, 1961

THIS REPORT IS THE PROPERTY OF HALLIBURTON OIL WELL CEMENTING COMPANY AND NEITHER IT NOR ANY PART THEREOF NOR A COPY THEREOF IS TO BE PUBLISHED OR USED BY ANY PERSON OR CONCERN WITHOUT FIRST SECURING THE EXPRESS WRITTEN APPROVAL OF LABORATORY MANAGEMENT.

We give below results of our examination of Oil and Core Samples

Submitted by Mr. Higgins

Marked Sunray Mid-Continent Oil Company - NCW-2 - Newhall

Oil from NCW 6-7

(1.) 11,533 (3.) 11,600

(2.) 11,565 (4.) 11,655

PURPOSE

These samples were submitted for evaluation and study to determine what type of treatment could be designed to stimulate the production of this well.

CONCLUSIONS

Fracplan tests were run on the cores from this well to determine if a desireable fracture flow capacity could be achieved through the use of various propping agents following a Fracplan. An assumed overburden pressure gradient of 1 psi per foot was used throughout these tests. It was found that a Mono-layer or partial Monolayer would not give adequate flow capacity.

In view of this, sand crushing tests were made using 20/40 Ottawa Sand with the Core samples and the results indicated that a sand-packed fracture would probably prove to be the most suitable.

The X-ray analysis and immersion tests did not indicate the cores to have any particular sensitivities, but tests with water base fracturing fluids indicated a slight change in the hardness and physical strength of the cores. From this we recommend only, the use of oil base fracturing fluids.

Two of the cores had fairly good acid solubility ranging up to 13.6 percent. It is felt that MSA spotted across the perforated interval for a period of 12-24 hours would greatly enhance the success of the job. The MSA would not be corrosive to the pipe but would work on the solubility to aid in obtaining a breakdown as well as remove well bore damage products.

HALLIBURTON DIVISION LABORATORY

NORWALK, CALIFORNIA - LOS ANGELES DIVISION

MAINTAINED BY HALLIBURTON OIL WELL CEMENTING CO.

CIL-71-61 (Continued)

DATA

SAND CRUSHING TESTS

Propping Agent	Cp Max lbs/gal	Percent Crushed
20-40 Sand	1.12	21

Overburden Pressure - 11,575 psig

FLOW TESTS

Propping Agent	Cp Max. lbs. per gal	Calculated Flow Capacity (Md-ft)
12/16 Pellets (Alum.)	0.35 Partial Monolayer	Less than 50
12/20 Walnut Hulls	0.35 " "	94.77
20/40 Sand	1.12 (Monolayer)	Less than 50

CORE ANALYSIS

No.	Depth	Porosity %	Air Permeability (Md) Horiz.	Vert.	% Solubility	Salt Content Salt/100 gm
1	11,533	9.0	<1.0	< 1.0	13.6	110
2	11,565	16.3	xx	15.6	2.3	90
3	11,600	16.0	xx	16.7	13.0	70
4	11,655	14.3	xx	6.1	3.0	80

xx - Samples were badly fractured and cores plugs could not be drilled in this plane.

HALLIBURTON DIVISION LABORATORY
NORWALK, CALIFORNIA - LOS ANGELES DIVISION
MAINTAINED BY HALLIBURTON OIL WELL CEMENTING CO.
OIL-FL-61 (Continued)

IMMERSION TESTS

Effects of immersion under vacuum at room temperature for 30 minutes in the following:

No.	H_2O	10% NaCl	15% Hcl	2% Hcl	7½% MCA	6% HF	2% CaCl2
1	NDE	NDE	NDE	SAF	SAF	NDE	NDE
2	NDE	NDE	NDE	NDE	SAF	NDE	NDE
3	NDE	NDE	NDE	NDE	NDE	NDE	NDE
4	NDE	NDE	NDE	NDE	NDE	NDE	NDE

NDE = No detrimental effect
SAF = Small amount of fines

X-Ray Analysis

	Sample 1	Sample 2	Sample 3	Sample 4
Quartz	Large	Large	Large	Large
Feldspars	Large	Large	Large	Large
Calcite	Large	Very Small	Small-Mod.	Very Small
Dolomite	Very small	Very Small	Very Small	Very Small
Kaolinite	Trace	Trace	Trace	Trace
Illite	----	Very Small	----	----
Montmorillonite	Very Small	----	----	----
Mixed Layer Clay	Very Small	Very Small	Trace	Trace

TESTS WITH CRUDE OIL FROM NCW 6-7

API Gravity - 25.3
Shakeout - 1% B.S. and W.
Compatibility - Suitable

Temperature °F.	Viscosity cps
80	36.5
100	24.0
120	17.5
140	13.5

NOWCO 1009

HALLIBURTON DIVISION LABORATORY

NORWALK, CALIFORNIA - LOS ANGELES DIVISION

MAINTAINED BY HALLIBURTON OIL WELL CEMENTING CO.

SLL-Fl-61 (Continued)

Emulsion Tests With Formation Water:

This oil was mixed 50-50 with the formation water in a Waring Blendor for 1 minute.

0% Hyflo	1% Hyflo
Stable Emulsion	Unstable Emulsion

FLUID LOSS TESTS:

1/20# Adomite Per Gallon

Temperature	-	190°F.
Pressure	-	1000 psi
Time	-	36 Minutes
Spurt Loss	-	0.0248 gal/sq. ft.
Total Loss	-	5.9 ml
Efficiency	-	0.00047

Respectfully submitted,

HALLIBURTON OIL WELL CEMENTING CO.

By Stanley H. Shryock

Laboratory Analyst

R. M. Melton - S. H. Shryock - Duncan Lab.

SHS:vw

CC: Mr. V. R. Young

File (3)

S-222

SUNRAY MID-CONTINENT OIL COMPANY

INTER-OFFICE CORRESPONDENCE

TO H. M. Stanier DATE January 7, 1958

From District Or Department

SUBJECT N.C.W. #6-7 Completion Summary

N.C.W. #6-7 is a north flank lateral extension well at the eastern end of the 7th Zone.

Although this well was programmed for a drift of 325 feet, the actual bottom-hole location was more than 560 feet from the surface location. This caused the well to intercept the 7th Zone in an area which was not only lower in permeability, but also closer to the sand pinch-out than was originally desired.

Significant depths in N.C.W. #6-7 are as follows:

Point	N.C.W. #6-7 Measured Depth	N.C.W. #6-7 Subsea Depth	RSF 143-7 Subsea Depth	RSF 144-7* Subsea Depth	NCW 2-7 Subsea Depth	Difference NCW 6-7 & RSF 144-7
Top 7A Sand	12,107'	-10,825'	-10,945'	-11,128'	-10,220'	(303')
Top 7BC Sand	12,273'	-10,990'	-11,097'	-11,323'	-10,382'	(333')
Base 7BC Sand	12,330'	-11,047'	-11,236'	-11,594'	-	(547')
Total Depth	12,361'	-11,078'	-11,308'	-11,634'	-	-

* Deepest 7th Zone Well

No coring was done in the 7A Sand in N.C.W. #6-7 and only the lowermost 20 feet of the 7BC Sand was cored. Core analysis of this interval indicates that the oil saturation is adequate, but the permeability is relatively low. The declining permeability trend, together with the thinning section of 7BC Sand helps to verify the limits of the 7th Zone and indicates that any further development on the N.C.W. property would have to be in a down-dip direction, depending on the positive location of the oil/water contact.

No new locations have been proved pending further production from this well. Reserves for N.C.W. #6-7 have been estimated at 175,000 barrels.

H. D. Ferguson

HDF/jh

cc: T. H. Acres
R. M. Brazier
O. A. Graybeal
J. E. Klipp
J. O. McDonald
M. C. Welch

WELL ☐ COMPLETION SUMMARY
☒ WORKOVER SUMMARY

S-114 A Sun Oil Co

Completion: June 3, 1961

DATE: August 21, 1962

C.F.

LEASE	WELL NO.	SEC.	TWP.	RGE.	COUNTY OR PARISH	STATE
Newhall Corporation - Wolfson	6-7	26	4N	17W	Los Angeles	California

FIELD	SURVEY	LOCATION
Newhall-Potrero	-	3181.47 S and 10,186.25' E from Corner "J"

DATUM POINT	ELEVATION	TD / PBTD	TOP OF ~~XXXXXXXXXXXXXXXX~~ Cellar	CONTRACTOR	
☐ GD ☐ DF ☒ KB	1264.45'	TD 12,361' / PBTD	12.50 FT. ☐ ABOVE ☒ BELOW D-P	Calif. Prod. Service	$ - /DA; $ - /F

HOLE AND CASING RECORD

HOLE DRILLED SIZE	HOLE DRILLED DEPTH	CSG.	SET AT	DESCRIPTION (WT. - THREADS - MAKE - TYPE - GRADE - COND.)
No Changes				

See previous Well History Summary dated 12-11-57.

CEMENTING RECORD

SACKS USED	SACKS TOP PLUG	REMARKS

FORMATION RECORD

NAME	TOP	BOTTOM	CONTENT OIL - GAS WATER

DRILL STEM TESTS

DATE	INTERVAL FROM	INTERVAL TO	TIME OPEN	RECOVERY

COMPLETION ZONE

DATE	INTERVAL FROM	INTERVAL TO	ZONE

PRODUCTION PERFORATIONS

NO. OF HOLES	INTERVAL FROM	INTERVAL TO	PURPOSE & RESULTS
No Changes			

TREATMENT RECORD

DATE	PRODUCTION BEFORE	PRODUCTION AFTER	TREATMENT SIZE AND KIND	INTERVAL FROM	INTERVAL TO	REMARKS
6/3	-	-	1700 Gallons (228 cu. ft.,) Halliburton "MCA" acid.	No Changes		

PRODUCTION RECORD (GIVE ALL PRODUCTION DATA FOR FIRST FEW DAYS AFTER COMPLETION OR WORKOVER)

DATE	OIL BARRELS	GAS MCF	WATER BARRELS	HRS	METHOD	PRESSURES CASING	PRESSURES TUBING	REMARKS
6/6/61	28	-	1	24	Pumping	40	140	
7/4/61	21	18	0	24	Pumping	-	-	

ER J.O. McDonald

SUPERINTENDENT

LED REPORT 10/24/62

S-114-1

THIS FORM TO BE SUBMITTED ALONG WITH FORM NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASONS, LOST CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES CASED OFF, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER

Union Oil Co.

HISTORY OF WELL
AT TIME OF COMPLETION

LEASE Newhall Corp.-Wolfson WELL NO. 6-7
SEC. 26 T. 4N R. 17W COUNTY Los Angeles
STATE California FIELD Newhall-Potrero
A.F.E. NO.

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

1961 All measurements taken from original Kelley Bushing which is 12.50' above concrete mat

5/31 California Production Service moved in and rigged up.

Commenced stimulation workover operation.

Pulled rods, pump and tubing.
Ran tubing and Baker Model "C" fullbore, located approximately 11,600' in tubing string with 2 7/8" and 2 3/8" tubing tail at 12,342'.

6/1 Halliburton circulated well with crude oil.

Spotted 850 gallons (114 cu. ft.,) Halliburton "MCA" acid on bottom. Pulled tubing up with tail at 11,585'. Set Baker fullbore and squeezed acid into formation with 114 cu ft., of crude oil. Squeezed away acid at 3 cu. ft.,/min. rate at start and finished with 1 cu. ft.,/min. rate, with 3500# maximum surface pressure.

Acid set in formation 4 hours. Released packer and ran tubing to bottom with tail at 12,337'.

Swabbed fluid level in tubing from 1000' to 8700', recovered 53 barrels of crude oil.

No gas or acid present, no entry into tubing at 8700'.

6/2 Made 3 swabbing runs, found fluid level at 7509'. Released Baker Model "C" fullbore, reversed circulated.

Spotted 850 gallons (114 cu. ft.,) Halliburton "MCA" acid on bottom. Raised tubing with bottom of tail at 11,585', set packer. Squeezed acid into formation using 228 cu. ft., crude oil, rate starting at 4 cu. ft.,/min, finishing with 1 cu. ft.,/min. with 4000# maximum surface pressure.

Released packer, ran tubing with bottom of tail at 12,340', reversed circulated hole with crude.

Ran tubing and equip well for pump. Landed tubing with bottom of gas anchor at 12,333'.

6/3 Ran rods, spaced and seated pump.

(Rod and tubing string remains same as 12-11-57)

Released rig at 9:30 AM 6-3-61.

Pulled pumping unit over hole, well pumped up at 12:15 PM (6-3-61).

CORRECT J. O. McDonald ENGINEER APPROVED SUPERINTENDENT

FORM 109-A

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 157-1415

Mr. O A Grayheal
714 West Olympic Boulevard
Los Angeles 15 California
Agent for SUNRAY MID-CONTINENT OIL CO

Inglewood 3 Calif.
December 11 1957

DEAR SIR:

Your well No. "Newhall Corp.-Wolfson" 6-7, Sec. 26, T. 4 N., R. 17 W., S.B. B & M. Newhall-Potrero Field, in Los Angeles County, was tested for water shut-off on December 6, 1957. Mr. W. Hunter, Engineer, designated by the supervisor was present from 7:00 to 8:00 a.m. as prescribed by law; there were also present R. Cypher, Engineer M. Griffith, Drilling Foreman

Shut-off data: 7 in. 26,29,32 lb. casing was cemented xxxxx at 12,100 ft. on November 30,1957 in 9-7/8 in. hole with ~~XXXXX~~600~~xxx~~ sacks of cement calculated to fill behind casing to 9458 ft. below surface.

Casing record of well: 11-3/4" cem. 599', 7" cem. 12,100', four ½" holes 12,070', four ½" holes 12,072', W.S.O.

Present depth 12,310 ft. cmt. bridge 12,100 ft. to 12,086 ft. Cleaned out cmt. 12,020 ft. to 12,086 ft. for test. A Cook tester was run into the hole on 2-7/8 in. drill pipe-~~tubing~~, with 1545 ft. of water-~~mud~~ cushion, and packer set at 12,030 ft. with tailpiece to 12,057 ft. Tester valve, with 3/4 in. bean, was open for 1 hr. and 21 min. During this interval there was a light blow decreasing to no blow in 7 minutes, and no blow thereafter.

Mr. Cypher reported:

1. A 9-7/8" hole was drilled from 599' to 12,310'.
2. The 7" casing was shot-perforated with four ½" holes at 12,070'.
3. The 7" casing was shot-perforated with four ½" holes at 12,072'.
4. When the drill pipe was removed, 90' of net heavy drilling fluid was found in the drill pipe above the tester, equivalent to 0.4 bbl.

THE ENGINEER NOTED THAT the recording pressure bomb chart showed that the tester valve was open 1 hour and 21 minutes.

THE 7" SHUT-OFF AT 12,072' IS APPROVED.

WH:yk

cc- Company

E. H. MUSSER
State Oil and Gas Supervisor

By _____ Deputy

48005 12-56 17M ② SPO

FERGUSON

FORM F-3

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

Company SUNRAY MID-CONTINENT OIL CO. Formation 7th Zone Page ____ of ____

Well "NEWHALL CORP. - WOLFSON" #6-7 Cores DIAMOND File RP-1-710

Field NEWHALL-POTRERO Drilling Fluid Oil Base Mud Date Report 12/8/51

County LOS ANGELES State CALIFORNIA Elevation 1264' KB Analysts GW

Location 26-4N-17W Remarks Service #4

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	O/W RATIO	REMARKS
				OIL % VOLUME % PORE	TOTAL WATER % PORE			
1	12310-11	25.0	15.2	32.2	34.9	Oil	.924	
2	12312-13	3.2	14.6	19.2	45.9	Oil	.420	
3	12316-17	7.2	12.2	18.0	49.2	Oil	.365	
4	12318-19	0.9	8.2	9.7	58.5	*	.166	
5	12320-21	1.4	14.4	16.7	47.2	Oil	.354	
6	12322-23	2.2	13.8	14.5	46.5	Oil	.312	
7	12324-25	5.2	11.0	14.6	51.0	Oil	.286	
8	12326-27	2.9	10.4	15.4	51.0	Oil	.302	
9	12328-29	0.3	6.4	26.6	50.0	*	.533	

* Permeability considered too low for fluid flow.

CENTRAL FILE

NOTE:

(*) REFER TO ATTACHED LETTER.

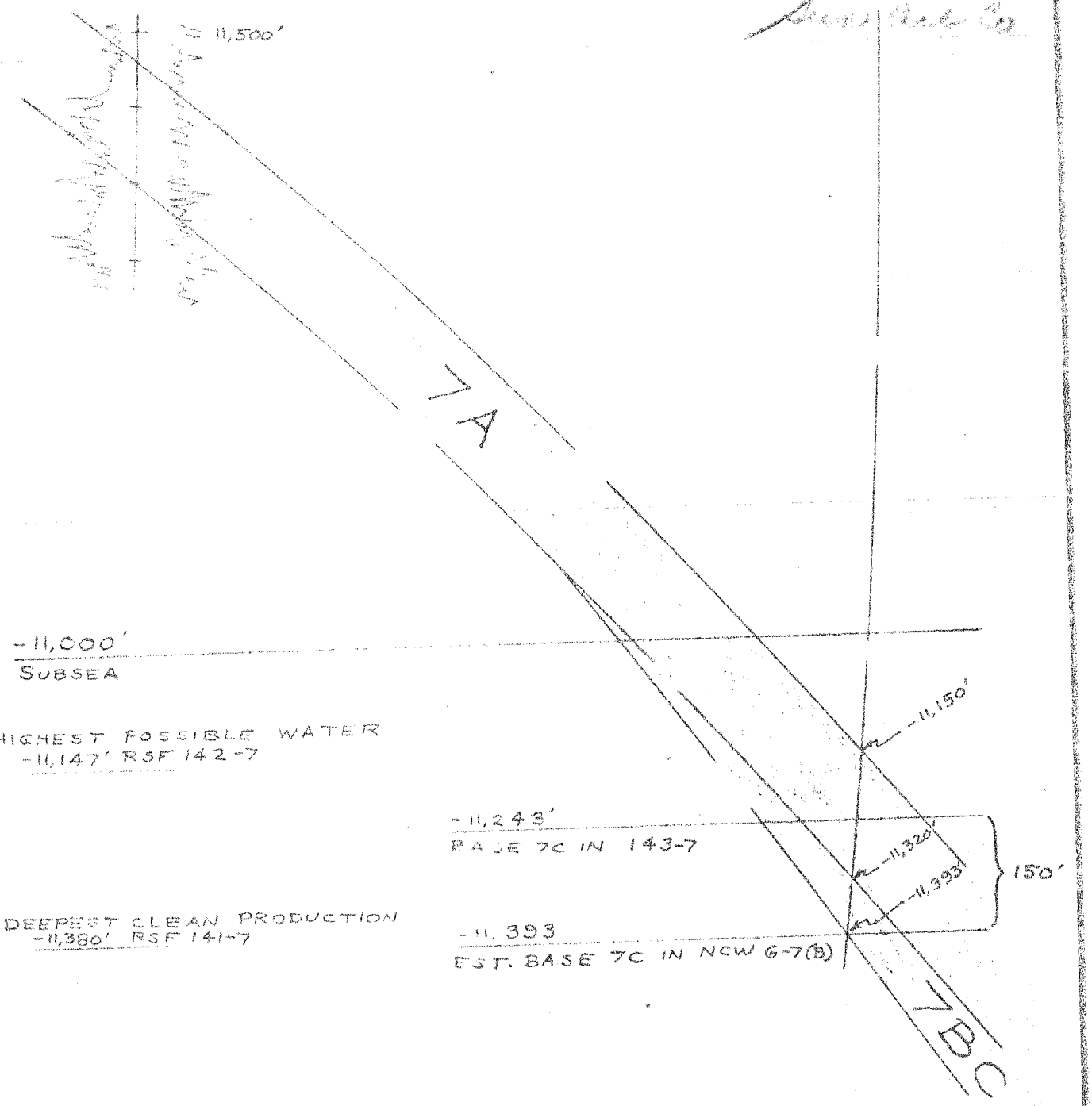
(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operation, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

NCW 2-7

PROPOSED LOCATION (B)
NCW 6-7



SUNRAY MID-CONTINENT OIL CO.

DRAWN BY H.D.F.	PROPOSED NCW 6-7 (B)	DATE MAY, 1957
TRACED BY	7TH ZONE OFFSET WELL	REVISED
FILE NO.	[150' STEPOUT FROM RSF 143-7 ON BASE 7C]	SCALE 1" = 200'

FORM 109-D

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 157-1110

Mr. O A Graybeal
714 West Olympic Boulevard
Los Angeles 15 California
Agent for SUNRAY MID-CONTINENT OIL CO

Los Angeles 15 Calif.
September 23 1957

DEAR SIR:

Operations at your well No. "Newhall Corp.-Wolfson" 6-7, Sec. 26, T. 4 N., R. 17 W., S.B. B & M. Newhall-Potrero Field, in Los Angeles County, were witnessed on September 17, 1957. Mr. W. Ingram, Engineer, representative of the supervisor was present from 10:30 to 11:00 a.m. There were also present D. Lee, Driller
B. Johnson, Helper

Present condition of well: 11-3/4" cem. 599'; T.D. 3522', (drilling)

The operations were performed for the purpose of inspecting blowout prevention equipment and installation.

~~Mr. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX reported:~~

THE BLOWOUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

WI:yk

cc Company

E. H. MUSSER
State Oil and Gas Supervisor

By [signature] Deputy

39719 7-56 17M SPO

Form No. 109-D (MEMO) B.O.P.E No. T 157-1110

Company SUNRAY MID-CONTINENT Well No. "NCW" 6-7
NENHALL POTRERO Field LOS ANGELES County

Engineer W. INGRAM visited the well from 10:30 a.m. ~~p.m.~~ to 11:00 a.m. ~~p.m.~~ on SEPT 17, 1957.

Mr. D. LEE, DRILLER reported.

1. On SEPT 10 1957, 11 3/4", 47 lb. casing was cemented in a 16" hole at 599' with 390 sacks/cu. ft. of cement.

2. Cement returned, ~~did not return~~ to the surface.

__. An additional_____sacks cu. ft. of cement was placed around the _____" casing from the surface.

3. A 9 7/8" hole was being drilled ahead at 3522".

The Engineer noted that the well was equipped with the following blow-out prevention equipment.

4. A SHAFFER manually and hydraulically operated double control gate for closing in the well with the drill pipe/~~tubing~~ out of the hole, and for closing around the 4½" drill pipe/~~tubing~~.

5. A G.K. HYDRIL blow-out preventer for closing in the well with the drill pipe/tubing out of the hole, and for closing around the 4½" drill pipe/tubing.

__. A_____manually and hydraulically operated control gate for closing in the well with the drill pipe/tubing out of the hole.

__. A_____manually and hydraulically operated control gate for closing around the_____" drill pipe/tubing.

__. A_____blow-out preventer for closing around the _____" drill pipe/tubing.

6. The controls for the above equipment were located outside the derrick and on the derrick floor.

7. A 2" mud fill-up line with a 2" high pressure stopcock into the 11 3/4" casing below the above equipment.

8. A high pressure stopcock on the kelly/~~goose neck~~/stand pipe.

__. Remarks_____

DECISION:
THE BLOW-OUT PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

FORM 111

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS

No. P 157-1071

Mr. O A Grayheal
714 West Olympic Boulevard
Los Angeles 15 California
Agent for SUNRAY MID-CONTINENT OIL

Los Angeles 15 Calif.
August 30 1957

DEAR SIR:

Your proposal to drill Well No. "Newhall Corp.-Wolfson" 6-7

Section 26, T. 4 N., R. 17 W., S.B. B. & M., Newhall-Potrero Field, LOS ANGELES County,

dated Aug. 23, 1957, received Aug. 28, 1957, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES
"Do mineral and surface leases coincide? Yes x No ____
Location of Well: 3181.47 feet South and 10,186.25 feet East from Corner "J"
Elevation of ground above sea level 1251.95 feet ____ datum.
All depth measurements taken from top of Kelly Bushing which is 12.50 feet above ground."

PROPOSAL
"PROPOSED CASING PROGRAM

Size of Casing Inches A.P.I.	Weight	Grade and Type	Top	Bottom	Cementing Depths
11-3/4"	47#	J-55 Smls.	Surface	600'	600'
7"	23#, 26# & 29#	J-55, N-80 & P-110 Smls.	Surface	12,500'	12,500'
5-1/2"	17#	J-55 Smls.	12,480'	12,775'	Hung

Intended zone or zones of completion: Seventh Zone (Name) 12,500'-12,745' (Depth, top and bottom)

Estimated total depth 12,775'
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 pipe.
2. Adequate blowout prevention equipment shall be installed and maintained in operating condition at all times.
3. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:
   A. To inspect the installed blowout prevention equipment before drilling below 2000'.
   B. To witness a test of the effectiveness of the 7" shut-off.

DER:yk

cc- Company

E. H. MUSSER, State Oil and Gas Supervisor

By _____, Deputy

Blanket Bond

25463 10-55 60M SPO

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

037-12618

8

D

DIVISION OF OIL AND GAS
RECEIVED
AUG 28 1957
CORRECTED
LOS ANGELES, CALIFORNIA

Los Angeles, Calif. August 23, 19 57

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 Corp.-Wolfson" 6-7, Sec. 26, T. 4N, R. 17W, S.B. B. & M., Newhall-Potrero Field, Los Angeles County.

Legal description of mineral right lease, consisting of ____ acres, is as follows: ____ (Attach map or plat to scale)

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: 3181.47 feet South (Direction) ~~property~~ line and 10,186.25 feet East (Direction) ~~property~~ line from Corner "J" property corner of section

Elevation of ground above sea level 1251.95 feet ____ datum.

All depth measurements taken from top of Kelly Bushing which is 12.50 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
11-3/4"	47#	J-55 Smls.	Surface	600'	600'
7"	23#, 26# & 29#	J-55, N-80 & P-110 Smls.	Surface	12,500'	12,500'
5-1/2"	17#	J-55 Smls.	12,480'	12,775'	Hung

Intended zone or zones of completion: Seventh Zone (Name) 12,500' - 12,745' (Depth, top and bottom)

Estimated total depth 12,775'

MAP	MAP BOOK	CARDS	BOND	FORMS 114	FORMS 121
18A WH 8-28	18A WH 8-28				

It is understood that if changes in this plan become necessary we are to notify you before running casing.

Address 714 West Olympic Boulevard
Los Angeles 15, California
Telephone Number RIchmond 8-5171

SUNRAY MID-CONTINENT OIL COMPANY (Name of Operator)

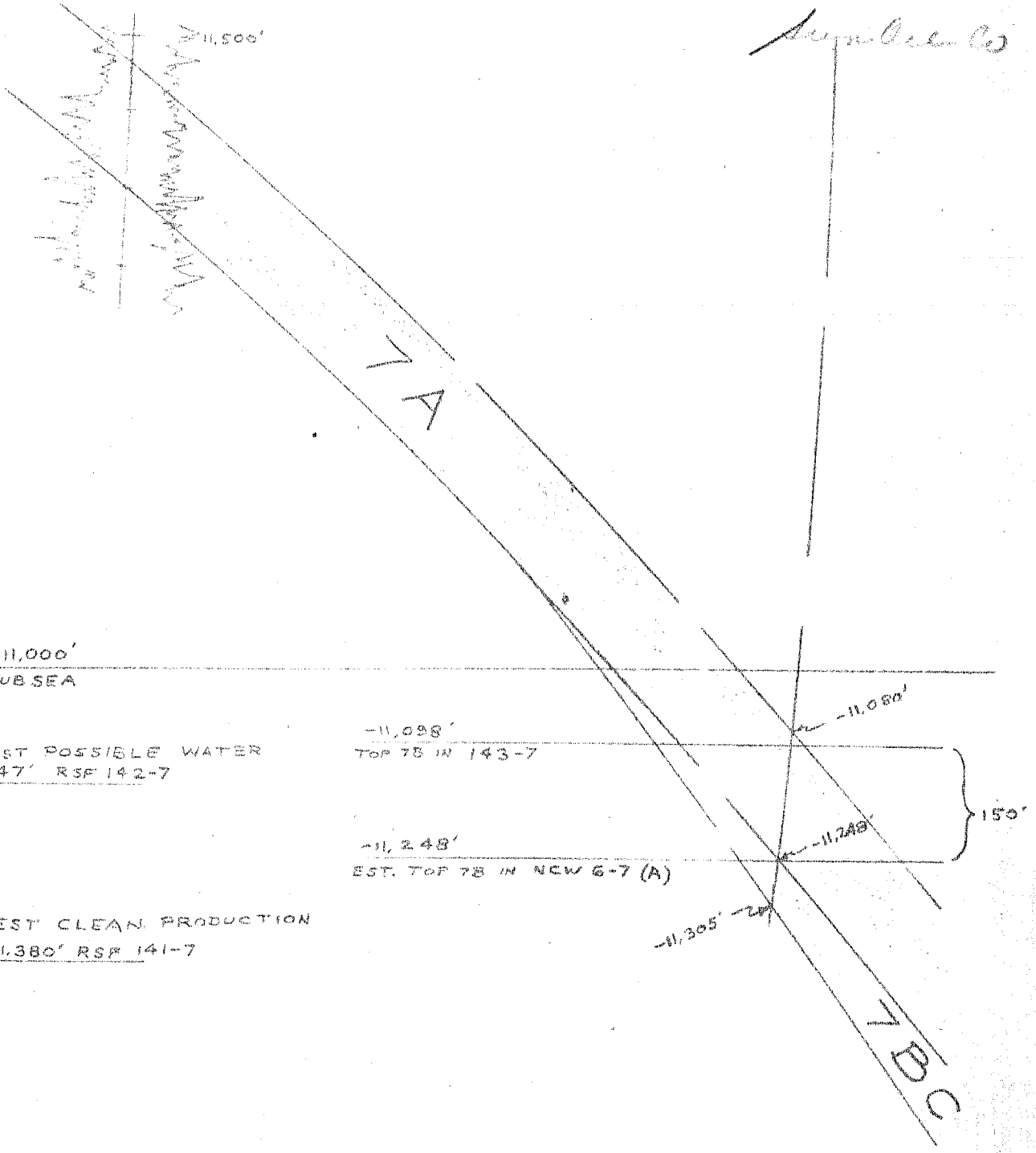
By O. A. Grayheal
O. A. Grayheal, Agent

Type of Organization (Corporation, Partnership, Individual, etc.)

NCW 2-7

PROPOSED LOCATION (A)
NCW 6-7

Sunray Co



SUNRAY MID-CONTINENT OIL CO.

DRAWN BY H.D.F.

TRACED BY

FILE NO.

PROPOSED NCW 6-7 (A)

7TH ZONE OFFSET WELL

[150' STEPOUT FROM RSF 143-7 ON TOP 7B]

DATE MAY, 1957

REVISED

SCALE 1" = 200'

Sun Oil Co

~~SUNRAY MID-CONTINENT OIL CO.~~

DRAWN BY JEK	NCW OFFSET LOCATION TO	DATE ?-5-57
TRACED BY	RSF 143-7	REVISED
FILE NO.	"Newhall Corp-Wolfson" 6-7	SCALE

APPENDIX G:

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.

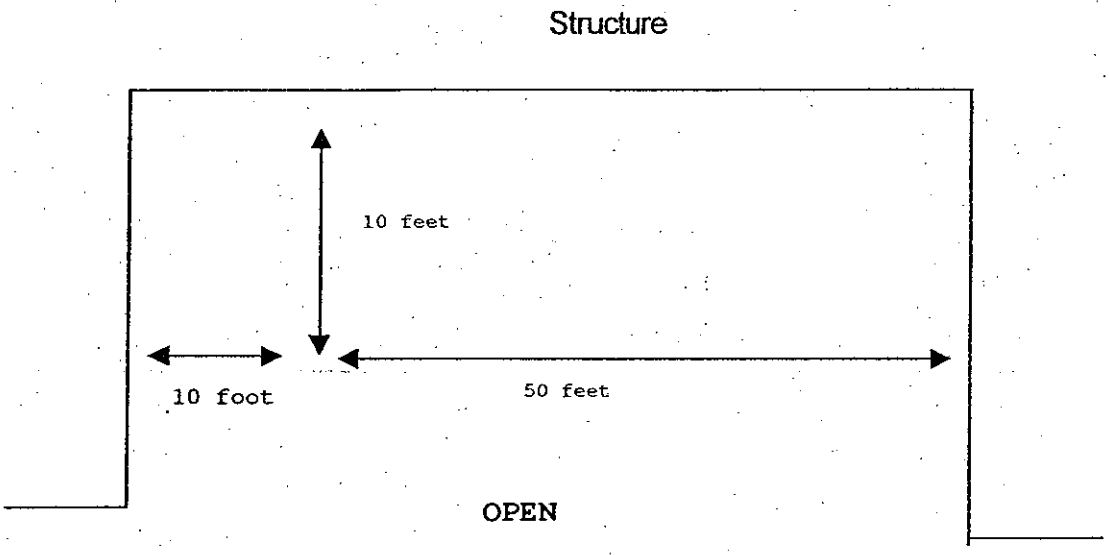
In the event that fill is proposed over the well, then the casing may have to be extended to have the top of the casing 5 feet below ground level.

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

1. Total depth:

2. Complete casing record, with plugs and perforations (present hole):

3. Date last produced or injected:

Additional data for dry hole (show depths)

1. Oil or gas shows:

2. Stratigraphic markers:

3. Formation and age at total depth:

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.

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 H:

Government Records Report

The EDR Radius Map
with GeoCheck®

Legacy Village
Pico Canyon Road/Potrero Canyon Road
Valencia, CA 91355

Inquiry Number: 1844659.2s

January 30, 2007

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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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 was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

PICO CANYON ROAD/POTRERO CANYON ROAD
VALENCIA, CA 91355

COORDINATES

Latitude (North):	34.395500 - 34° 23' 43.8''
Longitude (West):	118.602900 - 118° 36' 10.4''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	352654.8
UTM Y (Meters):	3806978.5
Elevation:	1597 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	34118-D5 NEWHALL, CA
Most Recent Revision:	1988

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 search radius around the target property for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS No Further Remedial Action Planned
CORRACTS	Corrective Action Report
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information

EXECUTIVE SUMMARY

HMIRS Hazardous Materials Information Reporting System
US ENG CONTROLS Engineering Controls Sites List
US INST CONTROL Sites with Institutional Controls
DOD Department of Defense Sites
FUDS Formerly Used Defense Sites
US BROWNFIELDS A Listing of Brownfields Sites
CONSENT Superfund (CERCLA) Consent Decrees
ROD Records Of Decision
UMTRA Uranium Mill Tailings Sites
ODI Open Dump Inventory
TSCA Toxic Substances Control Act
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS Section 7 Tracking Systems
RADINFO Radiation Information Database
CDL Clandestine Drug Labs
LUCIS Land Use Control Information System
PADS PCB Activity Database System
MLTS Material Licensing Tracking System
MINES Mines Master Index File
RAATS RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HIST Cal-Sites Historical Calsites Database
CA BOND EXP. PLAN Bond Expenditure Plan
SCH School Property Evaluation Program
CA WDS Waste Discharge System
SLIC Statewide SLIC Cases
AOCONCERN San Gabriel Valley Areas of Concern
UST Active UST Facilities
AST Aboveground Petroleum Storage Tank Facilities
Notify 65 Proposition 65 Records
LA Co. Site Mitigation Site Mitigation List
DEED Deed Restriction Listing
VCP Voluntary Cleanup Program Properties
WIP Well Investigation Program Case List
CDL Clandestine Drug Labs
RESPONSE State Response Sites
ENVIROSTOR EnviroStor Database

TRIBAL RECORDS

INDIAN RESERV Indian Reservations
INDIAN LUST Leaking Underground Storage Tanks on Indian Land
INDIAN UST Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations EDR Proprietary Historic Gas Stations
EDR Historical Cleaners EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

EXECUTIVE SUMMARY

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 RECORDS

RCRAInfo: 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 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 offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-SQG site within approximately 1.75 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SUN GAS / NEWHALL GAS	***26835 PICO CANYON ROAD***	***1/2 - 1 SSW***	***A9***	***18***

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 12/31/2005 has revealed that there is 1 ERNS site within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
26835 PICO CANAON ROAD	26835 PICO CANAON ROAD	1 - 2 SW	E26	35

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 12/31/2004 has revealed that there is 1 TRIS site within approximately 1.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
SPECIALTY MOTORS INC	25060 AVE TIBBITTS	1 - 2 NE	B17	28

EXECUTIVE SUMMARY

ICIS: The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

A review of the ICIS list, as provided by EDR, and dated 02/13/2006 has revealed that there is 1 ICIS site within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SUN GAS / NEWHALL GAS	26835 PICO CANYON ROAD	1/2 - 1 SSW	A6	13

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 10/11/2006 has revealed that there are 2 FINDS sites within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
STEVENSON RANCH ELEMENTARY	25820 N. CARROLL LANE	1/4 - 1/2 SE	1	6
SUN GAS / NEWHALL GAS	***26835 PICO CANYON ROAD***	***1/2 - 1 SSW***	***A9***	***18***

STATE AND LOCAL RECORDS

TOXIC PITS: The Toxic Pits Cleanup Act Sites database identifies sites suspected of containing hazardous substances where cleanup has not yet been completed. The data come from the State Water Resources Control Board.

A review of the Toxic Pits list, as provided by EDR, and dated 07/01/1995 has revealed that there is 1 Toxic Pits site within approximately 2.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
ORYX, WESTERN DIST.GAS PLANT Closure Date: 12/07/90	26835 W. PICO CANYON RO	1/2 - 1 SSW	13	24

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, and dated 12/11/2006 has revealed that there is 1 SWF/LF site within approximately 2 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
BENNETT MURRAY BRINE SUMP	***3 1/2 MI W HWY I-5 S OF***	***1 - 2 S***	***19***	***30***

EXECUTIVE SUMMARY

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, and dated 04/01/2000 has revealed that there is 1 WMUDS/SWAT site within approximately 2 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
BENNETT MURRAY BRINE SUMP	***3 1/2 MI W HWY I-5 S OF***	***1 - 2 S***	***19***	***30***

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, and dated 04/01/2001 has revealed that there is 1 Cortese site within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
DALE POE DEV CORP OF CALI	25151 PICO CNYN	1 - 2 ESE	G32	44

SWRCY: A listing of recycling facilities in California.

A review of the SWRCY list, as provided by EDR, and dated 01/08/2007 has revealed that there is 1 SWRCY site within approximately 2 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
TOMRA PACIFIC INC/ALBERTSONS #	26850 N THE OLD RD	1 - 2 NE	F28	36

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 01/09/2007 has revealed that there are 3 LUST sites within approximately 2 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
ARCO PRODUCTS CO Facility Status: Case Closed	26835 PICO CANYON RD	1/2 - 1 SSW	A2	6
RANCHO SAN FRACISCO & FERGUSON	26835 PICO CANYON	1/2 - 1 SSW	A11	20
Lower Elevation	**Address**	**Dist / Dir**	**Map ID**	**Page**
DALE POE DEV CORP OF CALIF Facility Status: Case Closed	25151 PICO CANYON RD	1 - 2 ESE	G31	42

EXECUTIVE SUMMARY

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, and dated 10/31/1994 has revealed that there is 1 CA FID UST site within approximately 1.75 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
SUN PRODUCTION CO	***26835 W PICO CANYON RD***	***1 - 2 SW***	***E27***	***35***

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 2 HIST UST sites within approximately 1.75 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	***26835 PICO CANYON RD***	***1/2 - 1 SSW***	***A3***	***8***
RANCHO SAN FRANCISCO	26835 PICO CANYON RD	1/2 - 1 SSW	A4	11

SWEEPS: Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

A review of the SWEEPS UST list, as provided by EDR, and dated 06/01/1994 has revealed that there is 1 SWEEPS UST site within approximately 1.75 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
SUN PRODUCTION CO	***26835 W PICO CANYON RD***	***1 - 2 SW***	***E27***	***35***

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 12/31/2004 has revealed that there are 2 CHMIRS sites within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	***26835 PICO CANYON RD***	***1/2 - 1 SSW***	***A3***	***8***
Not reported	26835 WEST PICO CANYON	1/2 - 1 SSW	A8	17

DRYCLEANERS: 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 cleaners' agents; linen supply; coin-operated laundries and cleaning; drycleaning plants except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

A review of the CLEANERS list, as provided by EDR, and dated 04/18/2005 has revealed that there are 3 CLEANERS sites within approximately 1.75 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
HEMINGWAY CLEANERS	***25820 HEMINGWAY ST***	***1/2 - 1 SE***	***14***	***24***

Lower Elevation	Address	Dist / Dir	Map ID	Page
HANGERS CLEANERS	***26858 THE OLD RD***	***1 - 2 NE***	***F29***	***36***
MARKET PLACE CLEANERS	***25864 NORTH THE OLD ROA***	***1 - 2 ESE***	***30***	***39***

HMS: Los Angeles County Industrial Waste and Underground Storage Tank Sites.

A review of the LOS ANGELES CO. HMS list, as provided by EDR, and dated 10/31/2006 has revealed that there are 5 LOS ANGELES CO. HMS sites within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
SUN PRODUCTION & EXPLORATION	26835 W PICO CANYON RD	1/2 - 1 SSW	A12	23

Lower Elevation	Address	Dist / Dir	Map ID	Page
DKM OFFSHORE ENERGY INC	26835 W PICO CANYON RD	1 - 2 SSE	D22	33
MEDALLION CALIFORNIA PROPERTY	26835 W PICO CANYON RD	1 - 2 SSE	D23	34
TEXACO INC (DEST)	26835 W PICO CANYON RD	1 - 2 SSE	D24	34
TIDELANDS OIL PROD CO	26835 W PICO CANYON RD	1 - 2 SSE	D25	34

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 12/31/2005 has revealed that there are 8 HAZNET sites within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	***26835 PICO CANYON RD***	***1/2 - 1 SSW***	***A3***	***8***
MEDALLION CALIFORNIA PROPERTIE	***26835 PICO CANYON RD***	***1/2 - 1 SSW***	***A7***	***14***
HEMINGWAY CLEANERS	***25820 HEMINGWAY ST***	***1/2 - 1 SE***	***14***	***24***

Lower Elevation	Address	Dist / Dir	Map ID	Page
MJD CONSTRUCTION	26144 OHARA	1/2 - 1 E	15	27
STEVENSON RANCH VENTURE LLC	PICO CYN RD / STEVENS	1 - 2 S	16	28
SPECIALTY MOTORS INC	25060 AVE TIBBITTS	1 - 2 NE	B18	28
HEMINGWAY CLEANERS	25820 HEMINGWAY AVE	1 - 2 ESE	C20	32
FS 124	25870 HEMINGWAY AVE	1 - 2 ESE	C21	33

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 12/31/2004 has revealed that there are 4 EMI sites within approximately 1.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
Not reported	***26835 PICO CANYON RD***	***1/2 - 1 SSW***	***A3***	***8***
MEDALLION CALIFORNIA PROPERTIE	26835 PICO CANYON ROAD	1/2 - 1 SSW	A5	12
MEDALLION CALIFORNIA PROPERTIE	***26835 PICO CANYON RD***	***1/2 - 1 SSW***	***A7***	***14***

EXECUTIVE SUMMARY

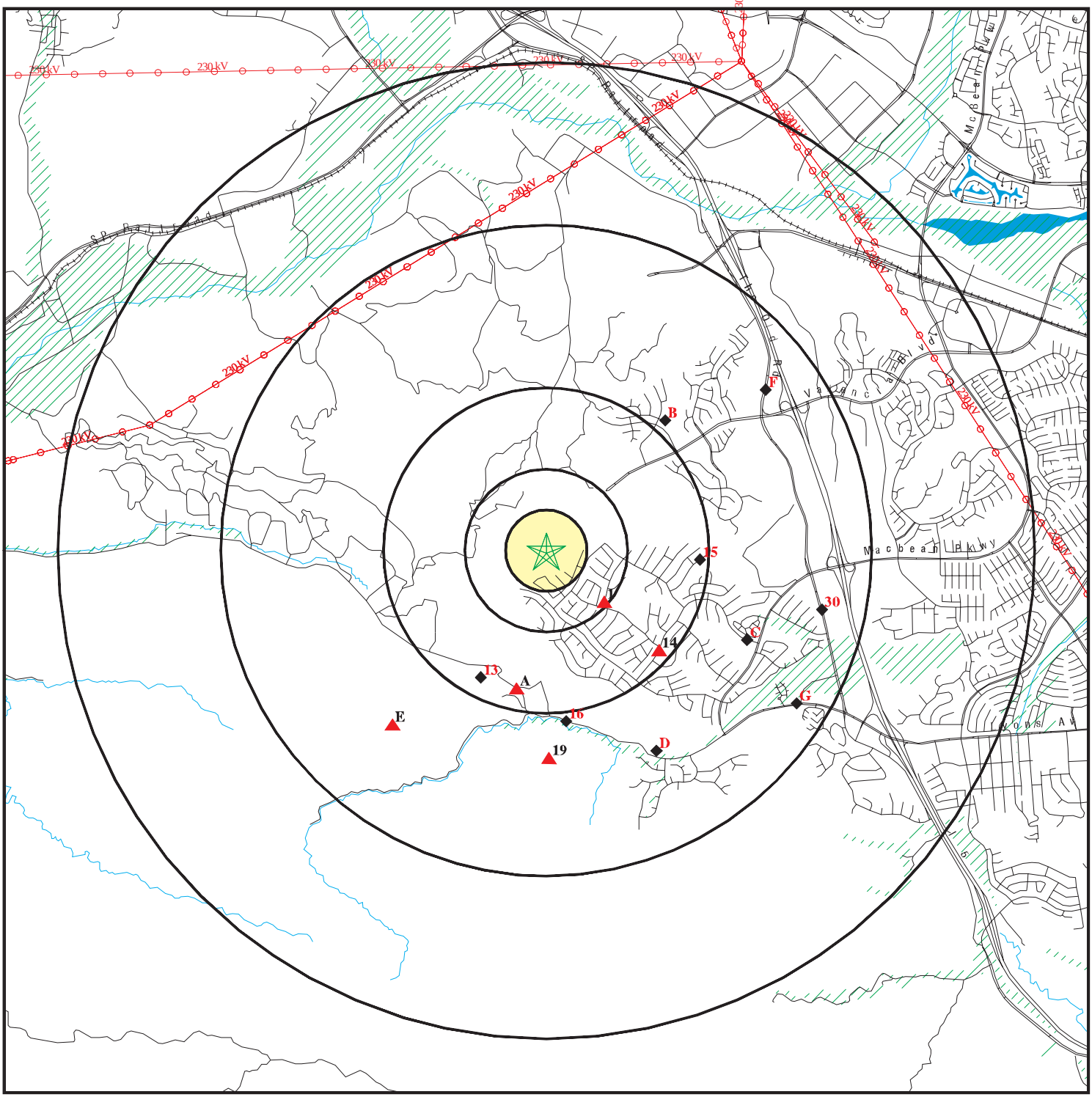
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
TIDELANDS OIL PRODUCTION CO.	26835 PICO CANYON ROAD	1/2 - 1 SSW	A10	19

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
VILLAGE CLEANERS	CLEANERS
2 / 3 MI DUE SOUTH NEWPORT BEACH PIER	HAZNET, LUST, CHMIRS
NEWHALL POTRERO OIL FIELD	LUST, SLIC
NEWHALL LAND AND FARM CO	LUST, SLIC
B P AMERICA INC	HAZNET
MOUTAINS REC & CONSERVATION AUTHORITY	HAZNET
DEPARTMENT OF TRANSPORTATION	RCRA-SQG, FINDS, HAZNET
CO SANITATION DIST/CITY OF SANTA CLARITA	HAZNET
CSI CRIME SCENE INVESTIGATION	HAZNET
LA COUNTY FIRE DEPT SVC BUREAU-C & M DIV	HAZNET
WSHUHSD/WEST RANCH HIGH SCHOOL	HAZNET
CALIFORNIA INSTITUTE OF THE ARTS	HAZNET
SKM INDUSTRIES INC	HAZNET
LAVI INDUSTRIES	HAZNET
STAR NAIL PRODUCTS	HAZNET
MANNKIND CORPORATION	HAZNET
CALTRANS DIST 7/CONSTR	HAZNET
SHEILA R VELOZ BREAST IMAGING CENTER	HAZNET
NORTHPARK 3 AND 4	HAZNET
LOS ANGELES PUBLIC WORKS COUNTY	HAZNET
TOURNAMENT PLAYERS CLUB AT VALENCIA LLC	HAZNET
CHEVRON 205882	HAZNET
VALENCIA TOWN CENTER	LA Co. Site Mitigation
GOLDEN VALLEY HIGH SCHOOL	SCH, ENVIROSTOR
PHASE V SCHOOL SITE	SCH, ENVIROSTOR
AQUAFINE CORPORATION	LOS ANGELES CO. HMS
MTP AIRCRAFT SALES INC	LOS ANGELES CO. HMS
ACCIDENT-RESEARCH & BIOMECHANI	LOS ANGELES CO. HMS
ARCHI CONTROLS INC	LOS ANGELES CO. HMS
ADVANCED PACKAGING TECHNIQUES	LOS ANGELES CO. HMS
P&H METAL PRODUCTS	LOS ANGELES CO. HMS
THOMAS HOOD GRAPHICS	LOS ANGELES CO. HMS
SEE FILE 023840	LOS ANGELES CO. HMS
EAT A PITA	LOS ANGELES CO. HMS
MOBIL OIL - M70 PIPELINE	ICIS
THE METROPOLITAN WATER DIST OF	EMI
SUN EXPLORATION & PRODUCTION C	EMI
MPT AMERICA CORP	EMI
WHITMOR/WIRENETICS,WHITMOR PLA	EMI

OVERVIEW MAP - 1844659.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Landfill Sites

Dept. Defense Sites

0 3/4 1 1/2 3 Miles

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines

100-year flood zone

500-year flood zone

Areas of Concern

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME:	Legacy Village	CLIENT:	Building Analytics
ADDRESS:	Pico Canyon Road/Potrero Canyon Road Valencia CA 91355	CONTACT:	Russ Cote
		INQUIRY #:	1844659.2s
LAT/LONG:	34.3955 / 118.6029	DATE:	January 30, 2007 11:02 am

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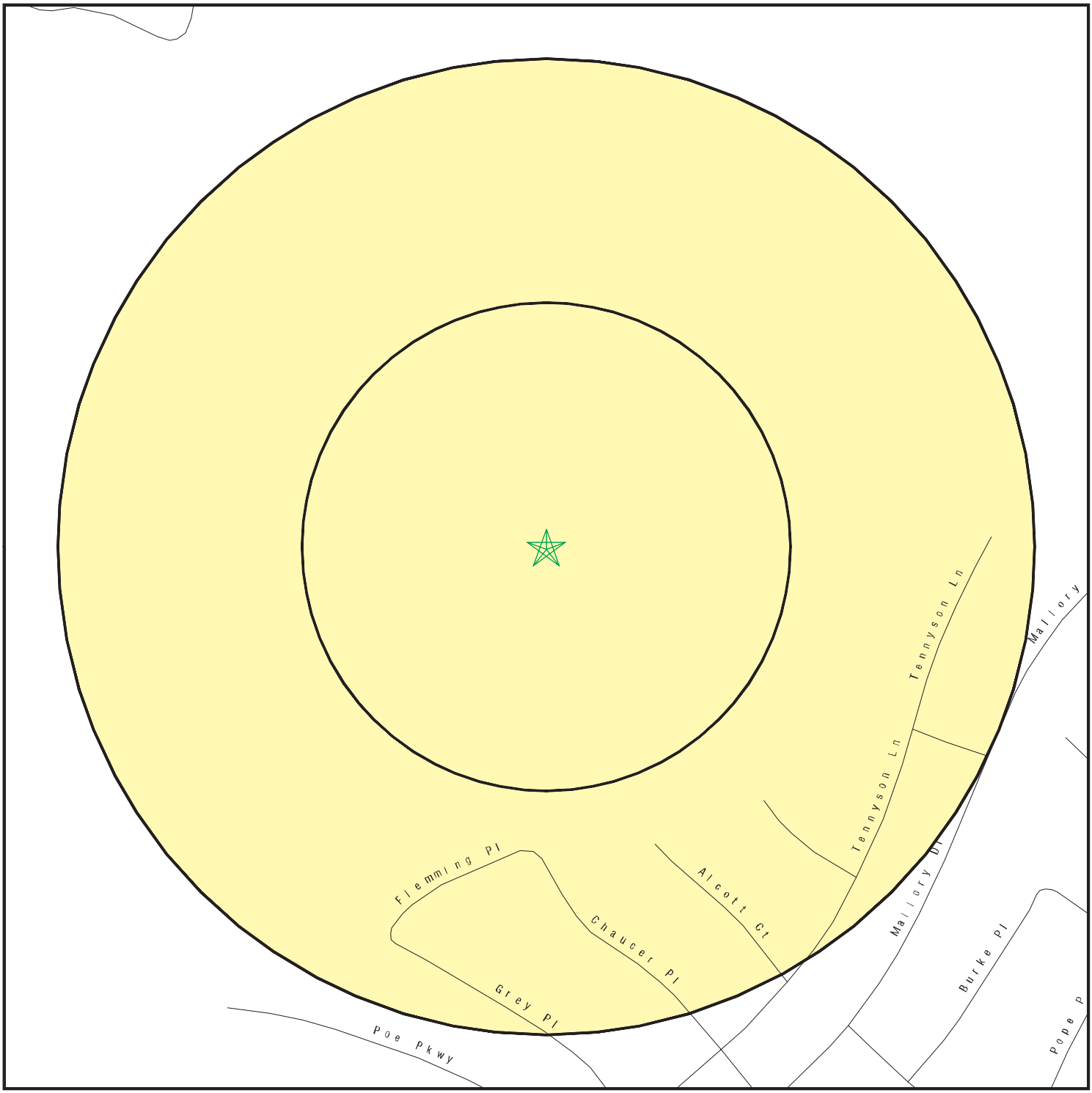
DETAIL MAP - 1844659.2s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- 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

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Legacy Village	CLIENT: Building Analytics
ADDRESS: Pico Canyon Road/Potrero Canyon Road Valencia CA 91355	CONTACT: Russ Cote
LAT/LONG: 34.3955 / 118.6029	INQUIRY #: 1844659.2s DATE: January 30, 2007 11:03 am

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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 RECORDS								
NPL		2.500	0	0	0	0	0	0
Proposed NPL		2.500	0	0	0	0	0	0
Delisted NPL		2.500	0	0	0	0	0	0
NPL RECOVERY		1.500	0	0	0	0	0	0
CERCLIS		2.000	0	0	0	0	0	0
CERC-NFRAP		2.000	0	0	0	0	0	0
CORRACTS		2.500	0	0	0	0	0	0
RCRA TSD		2.000	0	0	0	0	0	0
RCRA Lg. Quan. Gen.		1.750	0	0	0	0	0	0
RCRA Sm. Quan. Gen.		1.750	0	0	0	1	0	1
ERNS		1.500	0	0	0	0	1	1
HMIRS		1.500	0	0	0	0	0	0
US ENG CONTROLS		2.000	0	0	0	0	0	0
US INST CONTROL		2.000	0	0	0	0	0	0
DOD		2.500	0	0	0	0	0	0
FUDS		2.500	0	0	0	0	0	0
US BROWNFIELDS		2.000	0	0	0	0	0	0
CONSENT		2.500	0	0	0	0	0	0
ROD		2.500	0	0	0	0	0	0
UMTRA		2.000	0	0	0	0	0	0
ODI		2.000	0	0	0	0	0	0
TRIS		1.500	0	0	0	0	1	1
TSCA		1.500	0	0	0	0	0	0
FTTS		1.500	0	0	0	0	0	0
SSTS		1.500	0	0	0	0	0	0
ICIS		1.500	0	0	0	1	0	1
RADINFO		1.500	0	0	0	0	0	0
CDL		1.500	0	0	0	0	0	0
LUCIS		2.000	0	0	0	0	0	0
PADS		1.500	0	0	0	0	0	0
MLTS		1.500	0	0	0	0	0	0
MINES		1.750	0	0	0	0	0	0
FINDS		1.500	0	0	1	1	0	2
RAATS		1.500	0	0	0	0	0	0
STATE AND LOCAL RECORDS								
Hist Cal-Sites		2.500	0	0	0	0	0	0
CA Bond Exp. Plan		2.500	0	0	0	0	0	0
SCH		1.750	0	0	0	0	0	0
Toxic Pits		2.500	0	0	0	1	0	1
State Landfill		2.000	0	0	0	0	1	1
CA WDS		1.500	0	0	0	0	0	0
WMUDS/SWAT		2.000	0	0	0	0	1	1
Cortese		2.000	0	0	0	0	1	1
SWRCY		2.000	0	0	0	0	1	1
LUST		2.000	0	0	0	2	1	3
CA FID UST		1.750	0	0	0	0	1	1

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
SLIC		2.000	0	0	0	0	0	0
AOCONCERN		2.500	0	0	0	0	0	0
UST		1.750	0	0	0	0	0	0
HIST UST		1.750	0	0	0	2	0	2
AST		1.750	0	0	0	0	0	0
SWEEPS UST		1.750	0	0	0	0	1	1
CHMIRS		1.500	0	0	0	2	0	2
Notify 65		2.500	0	0	0	0	0	0
LA Co. Site Mitigation		1.500	0	0	0	0	0	0
DEED		2.000	0	0	0	0	0	0
VCP		2.000	0	0	0	0	0	0
DRYCLEANERS		1.750	0	0	0	1	2	3
WIP		1.750	0	0	0	0	0	0
Los Angeles Co. HMS		1.500	0	0	0	1	4	5
CDL		1.500	0	0	0	0	0	0
RESPONSE		2.500	0	0	0	0	0	0
HAZNET		1.500	0	0	0	4	4	8
EMI		1.500	0	0	0	4	0	4
ENVIROSTOR		2.500	0	0	0	0	0	0
TRIBAL RECORDS								
INDIAN RESERV		2.500	0	0	0	0	0	0
INDIAN LUST		2.000	0	0	0	0	0	0
INDIAN UST		1.750	0	0	0	0	0	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		2.500	0	0	0	0	0	0
EDR Historical Auto Stations		1.750	0	0	0	0	0	0
EDR Historical Cleaners		1.750	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
SE
1/4-1/2
2510 ft.

STEVENSON RANCH ELEMENTARY **FINDS** **1008303050**
25820 N. CARROLL LANE **110021932220**
STEVENSON RANCH, CA 91381

Relative:
Higher

Actual:
1753 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

A2
SSW
1/2-1
4571 ft.

ARCO PRODUCTS CO **LUST** **S103891127**
26835 PICO CANYON RD **N/A**
STEVENSON RANCH, CA 91381

Site 1 of 11 in cluster A

Relative:
Higher

Actual:
1650 ft.

LUST:

Region:	STATE	
Case Type:	Other ground water affected	
Cross Street:	PORTRERO	
Enf Type:	Not reported	
Funding:	Not reported	
How Discovered:	Not reported	
How Stopped:	Not reported	
Leak Cause:	UNK	
Leak Source:	UNK	
Global Id:	T0603702702	
Stop Date:	Not reported	
Confirm Leak:	Not reported	
Workplan:	Not reported	
Prelim Assess:	Not reported	
Pollution Char:	1988-04-06 00:00:00	
Remed Plan:	Not reported	
Remed Action:	Not reported	
Monitoring:	1994-11-17 00:00:00	
Close Date:	1996-07-26 00:00:00	
Discover Date:	Not reported	
Enforcement Dt:	Not reported	
Release Date:	1986-08-06 00:00:00	
Review Date:	1994-11-17 00:00:00	
Enter Date:	1987-09-09 00:00:00	
MTBE Date:	Not reported	
GW Qualifier:	Not reported	
Soil Qualifier:	Not reported	
Max MTBE GW ppb:	Not reported	
Max MTBE Soil ppb:	Not reported	
County:	19	
Org Name:	Not reported	
Reg Board:	Los Angeles Region	
Status:	Case Closed	
Chemical:	Gasoline	
Contact Person:	Not reported	
Responsible Party:	ARCO PRODUCTS CO	
RP Address:	1055 W 7TH ST, LOS ANGELES CA 90017-2503	D
Interim:	Yes	
Oversight Prgm:	LUST	

ARCO PRODUCTS CO (Continued) **S103891127**

MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 1
MTBE Tested: Site NOT Tested for MTBE.Includes Unknown and Not Analyzed.
Staff: YR
Staff Initials: JA
Lead Agency: Regional Board
Local Agency: 19000
Hydr Basin #: UNNAMED BASIN
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: Not reported
Case Number: I-00340
Qty Leaked: Not reported
Abate Method: Containment Barrier - install vertical dike to block horizontal movement of contaminant, Cap Site - install horizontal impermeable layer to reduce rainfall infiltration
Operator: FORMER SUN EXPL. & PRODUCTION
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
Summary: MAPPED AS REGIONAL BOARD TPCA/RCRA SITE. LTR SENT 11-17-94 DIRECTING RP TO ABANDON WELLS FOR CLOSURE. LTR RETURNED AS UNDELIVERABLE. ALL EFFORTS TO LOCATE RP UNSUCCESSFUL SO FAR.

LUST:
Region: 4
Staff: UNK
County: Los Angeles
Local Agency: 19000
Lead Agency: Regional Board
Case Type: Groundwater
Status: Case Closed
Substance: Gasoline
Cross Street: PORTRERO
Global ID: T0603702702
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak Record Entered: 9/9/1987
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: UNK
Leak Source: UNK
Date Leak Stopped: Not reported
Date Confirmation Began: Not reported
Operator: FORMER SUN EXPL. & PRODUCTION
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 15490.847083381075224413913183
Abatement Method Used at the Site: CBCD
Source of Cleanup Funding: CBCD
Date Leak First Reported: 8/6/1986
Preliminary Site Assessment Workplan Submitted: Not reported

ARCO PRODUCTS CO (Continued) **S103891127**

Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	4/6/1988
Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	11/17/1994
Date the Case was Closed:	7/26/1996
Date Case Last Changed on Database:	11/17/1994
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Yes
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Regional Board:	04
Owner Contact:	Not reported
Responsible Party:	ARCO PRODUCTS CO
RP Address:	1055 W 7TH ST, LOS ANGELES CA 90017-2503
Program:	LUST
Lat/Long:	34.3805829 / -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
Assigned Name:	Not reported
W Global ID:	Not reported
Summary:	MAPPED AS REGIONAL BOARD TPCA/RCRA SITE. LTR SENT 11-17-94 DIRECTING RP TO ABANDON WELLS FOR CLOSURE. LTR RETURNED AS UNDELIVERABLE. ALL EFFORTS TO LOCATE RP UNSUCCESSFUL SO FAR.

A3 **HAZNET** **U001567298**
SSW **26835 PICO CANYON RD** **CHMIRS** **N/A**
1/2-1 **NEWHALL, CA 91321** **HIST UST**
4571 ft. **EMI**

Site 2 of 11 in cluster A

Relative: Higher

Actual: 1650 ft.

HAZNET:

Gepaid:	CAL000088047
Contact:	ALEX B. IWASIW/CALIFORNIA
Telephone:	6612542856
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	26835 W PICO CANYON RD
Mailing City,St,Zip:	NEWHALL, CA 913210000
Gen County:	Los Angeles
TSD EPA ID:	CAD982444481
TSD County:	Los Angeles
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	0.84
Facility County:	Los Angeles

Gepaid:	CAL000088047
Contact:	ALEX B. IWASIW/CALIFORNIA

(Continued) **U001567298**

Telephone: 6612542856
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 26835 W PICO CANYON RD
Mailing City,St,Zip: NEWHALL, CA 913210000
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: 0.84
Facility County: Not reported

Gepaid: CAL000088047
Contact: ALEX B. IWASIW/CALIFORNIA
Telephone: 6612542856
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 26835 W PICO CANYON RD
Mailing City,St,Zip: NEWHALL, CA 913210000
Gen County: Los Angeles
TSD EPA ID: CAD097030993
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Disposal, Other
Tons: 0.84
Facility County: Not reported

CHMIRS:
OES Incident Number: 98-2902
OES notification: 6/24/199809:54:51 AM
OES Date: Not reported
OES Time: Not reported
Incident Date: Not reported
Date Completed: Not reported
Property Use: Not reported
Agency Id Number: Not reported
Agency Incident Number: Not reported
Time Notified: Not reported
Time Completed: Not reported
Surrounding Area: Not reported
Estimated Temperature: Not reported
Property Management: 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
More Than Two Substances Involved?: Not reported
Resp Agncy Personel # Of Decontaminated: Not reported
Responding Agency Personel # Of Injuries: Not reported
Responding Agency Personel # Of Fatalities: 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

(Continued) **U001567298**

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:	Not reported
Waterway Involved:	No
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	Reporting Party
Containment:	Not reported
What Happened:	Not reported
Type:	Not reported
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1998
Agency:	Medallion CA Properties
Incident Date:	6/22/199812:00:00 AM
Admin Agency:	L. A. County Fire Prevention
Amount:	Not reported
Contained:	Yes
Site Type:	Oil Field
E Date:	Not reported
Substance:	Crude oil
Quantity Released:	Not reported
BBLS:	8
Cups:	0
CUFT:	0
Gallons:	0
Grams:	0
Pounds:	0
Liters:	0
Ounces:	0
Pints:	0
Quarts:	0
Sheen:	0
Tons:	0
Unknown:	0
Description:	While cleaning a previous spill, a backhoe lifted and broke an existing 2" line.
Evacuations:	0
Number of Injuries:	0
Number of Fatalities:	0

HIST UST:

Region:	STATE
Facility ID:	00000003100
Tank Num:	001
Container Num:	1
Year Installed:	1984
Tank Capacity:	00014000
Facility Type:	Other
Other Type:	Not reported
Total Tanks:	0001

(Continued) **U001567298**

Tank Used for: WASTE
Type of Fuel: Not reported
Tank Construction: 9" inches
Leak Detection: Visual
Contact Name: JOEL DENNIS
Telephone: 8052590868
Owner Name: SUN EXPLORATION & PRODUCTION C
Owner Address: OMPANY
Owner City,St,Zip: BOX 55060 25322 W. R, YE 913550560

EMI:

Year:	1990
Carbon Monoxide Emissions Tons/Yr:	19
Air Basin:	SC
Facility ID:	24091
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	161
Reactive Organic Gases Tons/Yr:	84
Carbon Monoxide Emissions Tons/Yr:	32
NOX - Oxides of Nitrogen Tons/Yr:	8
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

A4 **RANCHO SAN FRANCISCO** **HIST UST** **U001567322**
SSW **26835 PICO CANYON RD** **N/A**
1/2-1 **NEWHALL, CA 91321**
4571 ft.

Site 3 of 11 in cluster A

Relative: Higher

Actual: 1650 ft.

HIST UST:

Region:	STATE
Facility ID:	00000003101
Tank Num:	001
Container Num:	1
Year Installed:	Not reported
Tank Capacity:	00008000
Facility Type:	Other
Other Type:	OIL PRODUCTION
Total Tanks:	0002
Tank Used for:	PRODUCT
Type of Fuel:	UNLEADED
Tank Construction:	Not reported
Leak Detection:	Stock Inventor
Contact Name:	JAY TOOPS
Telephone:	8052590910
Owner Name:	SUN EXPLORATION & PRODUCTION C
Owner Address:	BOX 55060 25322 W. TYE CANYON
Owner City,St,Zip:	VALENCIA, CA 913550560

Region:	STATE
Facility ID:	00000003101
Tank Num:	002

RANCHO SAN FRANCISCO (Continued) **U001567322**

Container Num:	2
Year Installed:	Not reported
Tank Capacity:	00000500
Facility Type:	Other
Other Type:	OIL PRODUCTION
Total Tanks:	0002
Tank Used for:	PRODUCT
Type of Fuel:	Not reported
Tank Construction:	Not reported
Leak Detection:	Stock Inventor
Contact Name:	JAY TOOPS
Telephone:	8052590910
Owner Name:	SUN EXPLORATION & PRODUCTION C
Owner Address:	BOX 55060 25322 W. TYE CANYON
Owner City,St,Zip:	VALENCIA, CA 913550560

A5 **MEDALLION CALIFORNIA PROPERTIES CO** **EMI** **S106835421**
SSW **26835 PICO CANYON ROAD** **N/A**
1/2-1 **NEWHALL, CA 91321**
4571 ft.

Site 4 of 11 in cluster A

Relative:
Higher

Actual:
1650 ft.

EMI:

Year:	2001
Carbon Monoxide Emissions Tons/Yr:	19
Air Basin:	SC
Facility ID:	100844
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	B
Total Organic Hydrocarbon Gases Tons/Yr:	201
Reactive Organic Gases Tons/Yr:	21
Carbon Monoxide Emissions Tons/Yr:	12
NOX - Oxides of Nitrogen Tons/Yr:	14
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2002
Carbon Monoxide Emissions Tons/Yr:	19
Air Basin:	SC
Facility ID:	100844
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	63
Reactive Organic Gases Tons/Yr:	20
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	7
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2003

MEDALLION CALIFORNIA PROPERTIES CO (Continued) **S106835421**

Carbon Monoxide Emissions Tons/Yr:	19
Air Basin:	SC
Facility ID:	100844
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	63
Reactive Organic Gases Tons/Yr:	20
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	7
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

Year:	2004
Carbon Monoxide Emissions Tons/Yr:	19
Air Basin:	SC
Facility ID:	100844
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Y
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	62.85049
Reactive Organic Gases Tons/Yr:	20.11
Carbon Monoxide Emissions Tons/Yr:	4.94437
NOX - Oxides of Nitrogen Tons/Yr:	6.94905
SOX - Oxides of Sulphur Tons/Yr:	0.01339275
Particulate Matter Tons/Yr:	0.06228
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0.05

A6 **SUN GAS / NEWHALL GAS** **ICIS** **1009295193**
SSW **26835 PICO CANYON ROAD** **N/A**
1/2-1 **NEWHALL, CA 91321**
4571 ft.

Site 5 of 11 in cluster A

Relative: Higher

Actual: 1650 ft.

ICIS:

EFA Enforcement Action ID:	09-2006-0015
ICIS Facility ID:	7826442
EFA Enforcement Action Type:	CWA 311B6B1 AO For Class I Penalty - SPCC Expedited Settlement Program
Action Date:	10/13/2005
Facility County:	LOS ANGELES
Region #:	9

A7
SSW
1/2-1
4571 ft.

Relative:
Higher

Actual:
1650 ft.

MEDALLION CALIFORNIA PROPERTIES COM
26835 PICO CANYON RD
NEWHALL, CA 91321

HAZNET
EMI

S103976979
N/A

Site 6 of 11 in cluster A

HAZNET:

Gepaid:	CAL000088047
Contact:	KCS MEDALLION RESOURCES INC
Telephone:	9184888283
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	7130 S LEWIS AVE STE 700
Mailing City,St,Zip:	TULSA, OK 741365489
Gen County:	Los Angeles
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	1.6856
Facility County:	Los Angeles

Gepaid:	CAL000088047
Contact:	KCS MEDALLION RESOURCES INC
Telephone:	9184888283
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	7130 S LEWIS AVE STE 700
Mailing City,St,Zip:	TULSA, OK 741365489
Gen County:	Los Angeles
TSD EPA ID:	CAT000646117
TSD County:	Kings
Waste Category:	Tank bottom waste
Disposal Method:	Treatment, Tank
Tons:	157.6260
Facility County:	Los Angeles

Gepaid:	CAL000088047
Contact:	KCS MEDALLION RESOURCES INC
Telephone:	9184888283
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	7130 S LEWIS AVE STE 700
Mailing City,St,Zip:	TULSA, OK 741365489
Gen County:	Los Angeles
TSD EPA ID:	CAT080013352
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	28.7730
Facility County:	Los Angeles

Gepaid:	CAL000088047
Contact:	TERRY FORT/PUMPER
Telephone:	6612542856
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	7130 S LEWIS AVE STE 700
Mailing City,St,Zip:	TULSA, OK 741365489

MEDALLION CALIFORNIA PROPERTIES COM (Continued) **S103976979**

Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: San Bernardino
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 0.84
Facility County: Not reported

Gepaid: CAL000088047
Contact: KCS MEDALLION RESOURCES INC
Telephone: 9184888283
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7130 S LEWIS AVE STE 700
Mailing City,St,Zip: TULSA, OK 741365489
Gen County: Los Angeles
TSD EPA ID: CAD982444481
TSD County: San Bernardino
Waste Category: Other organic solids
Disposal Method: Transfer Station
Tons: 1
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
7 additional CA_HAZNET: record(s) in the EDR Site Report.

EMI:

Year: 1995
Carbon Monoxide Emissions Tons/Yr: 19
Air Basin: SC
Facility ID: 100844
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 127
Reactive Organic Gases Tons/Yr: 31
Carbon Monoxide Emissions Tons/Yr: 35
NOX - Oxides of Nitrogen Tons/Yr: 120
SOX - Oxides of Sulphur Tons/Yr: 0
Particulate Matter Tons/Yr: 0
Part. Matter 10 Micrometers & Smllr Tons/Yr: 0

Year: 1996
Carbon Monoxide Emissions Tons/Yr: 19
Air Basin: SC
Facility ID: 100844
Air District Name: SC
SIC Code: 1311
Air District Name: SOUTH COAST AQMD
Community Health Air Pollution Info System: Not reported
Consolidated Emission Reporting Rule: Not reported
Total Organic Hydrocarbon Gases Tons/Yr: 111
Reactive Organic Gases Tons/Yr: 17
Carbon Monoxide Emissions Tons/Yr: 21
NOX - Oxides of Nitrogen Tons/Yr: 54

MEDALLION CALIFORNIA PROPERTIES COM (Continued) **S103976979**

SOX - Oxides of Sulphur Tons/Yr:	1
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	1997
Carbon Monoxide Emissions Tons/Yr:	19
Air Basin:	SC
Facility ID:	100844
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	36
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	38
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	1998
Carbon Monoxide Emissions Tons/Yr:	19
Air Basin:	SC
Facility ID:	100844
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	43
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	38
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	1999
Carbon Monoxide Emissions Tons/Yr:	19
Air Basin:	SC
Facility ID:	100844
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	36
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	38
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0
Year:	2000
Carbon Monoxide Emissions Tons/Yr:	19

MEDALLION CALIFORNIA PROPERTIES COM (Continued) **S103976979**

Air Basin:	SC
Facility ID:	100844
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	36
Reactive Organic Gases Tons/Yr:	6
Carbon Monoxide Emissions Tons/Yr:	5
NOX - Oxides of Nitrogen Tons/Yr:	38
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	0
Part. Matter 10 Micrometers & Smllr Tons/Yr:	0

A8 **CHMIRS** **S105637087**
SSW **26835 WEST PICO CANYON ROAD** **N/A**
1/2-1 **NEWHALL, CA**
4571 ft.

Site 7 of 11 in cluster A

Relative:
Higher

Actual:
1650 ft.

CHMIRS:

OES Incident Number:	806	
OES notification:	Not reported	
OES Date:	2/15/1994	
OES Time:	08:11:04 AM	
Incident Date:	Not reported	
Date Completed:	**Not reported**	
Property Use:	Not reported	
Agency Id Number:	Not reported	
Agency Incident Number:	Not reported	
Time Notified:	Not reported	
Time Completed:	Not reported	
Surrounding Area:	Not reported	
Estimated Temperature:	Not reported	
Property Management:	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	
More Than Two Substances Involved?:		Not reported
Resp Agncy Personel # Of Decontaminated:		Not reported
Responding Agency Personel # Of Injuries:		Not reported
Responding Agency Personel # Of Fatalities:		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	

(Continued) **S105637087**

Facility Telephone:	Not reported
Waterway Involved:	YES
Waterway:	Not reported
Spill Site:	Not reported
Cleanup By:	co. oersonnel
Containment:	Not reported
What Happened:	Not reported
Type:	PETROLEUM
Measure:	Not reported
Other:	Not reported
Date/Time:	Not reported
Year:	1994
Agency:	medallion california properties co.
Incident Date:	02/15/94 0700
Admin Agency:	Not reported
Amount:	30 bbl
Contained:	NO
Site Type:	Not reported
E Date:	Not reported
Substance:	crude oil
Quantity Released:	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:	a spilt between a top stave and roof of a tank occurred.
Evacuations:	NO
Number of Injuries:	NO
Number of Fatalities:	NO

A9 **SUN GAS / NEWHALL GAS** **RCRA-SQG** **1000115917**
SSW **26835 PICO CANYON ROAD** **FINDS** **CAT000619122**
1/2-1 **NEWHALL, CA 91321**
4571 ft.

Site 8 of 11 in cluster A

Relative:
Higher

Actual:
1650 ft.

SUN GAS / NEWHALL GAS (Continued) **1000115917**

RCRAInfo:
Owner: SUN OIL CO.(DELAWARE)
(415) 555-1212
EPA ID: CAT000619122
Contact: ENVIRONMENTAL MANAGER
(405) 843-9711
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A10
SSW
1/2-1
4571 ft.

Relative:
Higher

Actual:
1650 ft.

TIDELANDS OIL PRODUCTION CO. **EMI** **S106841098**
26835 PICO CANYON ROAD **N/A**
NEWHALL, CA 91355

Site 9 of 11 in cluster A

EMI:

Year:	1987
Carbon Monoxide Emissions Tons/Yr:	19
Air Basin:	SC
Facility ID:	800134
Air District Name:	SC
SIC Code:	1311
Air District Name:	SOUTH COAST AQMD
Community Health Air Pollution Info System:	Not reported
Consolidated Emission Reporting Rule:	Not reported
Total Organic Hydrocarbon Gases Tons/Yr:	1717
Reactive Organic Gases Tons/Yr:	860

TIDELANDS OIL PRODUCTION CO. (Continued) **S106841098**

Carbon Monoxide Emissions Tons/Yr:	149
NOX - Oxides of Nitrogen Tons/Yr:	1193
SOX - Oxides of Sulphur Tons/Yr:	0
Particulate Matter Tons/Yr:	2
Part. Matter 10 Micrometers & Smllr Tons/Yr:	1

A11 **RANCHO SAN FRACISCO & FERGUSON** **LUST** **S108244879**
SSW **26835 PICO CANYON** **N/A**
1/2-1 **NEWHALL, CA**
4571 ft.

Site 10 of 11 in cluster A

Relative: Higher

Actual: 1650 ft.

LUST:

Region:	STATE
Case Type:	Not reported
Cross Street:	Not reported
Enf Type:	Not reported
Funding:	Not reported
How Discovered:	Not reported
How Stopped:	Not reported
Leak Cause:	Not reported
Leak Source:	Not reported
Global Id:	L10004128078
Stop 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:	Not reported
Discover Date:	Not reported
Enforcement Dt:	Not reported
Release Date:	Not reported
Review Date:	Not reported
Enter Date:	Not reported
MTBE Date:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Max MTBE GW ppb:	Not reported
Max MTBE Soil ppb:	Not reported
County:	19
Org Name:	Not reported
Reg Board:	Los Angeles Region
Status:	Not reported
Chemical:	Not reported
Contact Person:	Not reported
Responsible Party:	Not reported
RP Address:	Not reported
Interim:	Not reported
Oversight Prgm:	LDP
MTBE Class:	*
MTBE Conc:	0
MTBE Fuel:	0
MTBE Tested:	Not Required to be Tested.
Staff:	BPB
Staff Initials:	Not reported

RANCHO SAN FRACISCO & FERGUSON (Continued) **S108244879**

Lead Agency: Not reported
Local Agency: Not reported
Hydr Basin #: Not reported
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: Not reported
Case Number: 4B196200007
Qty Leaked: Not reported
Abate Method: Not reported
Operator: Not reported
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
Summary: BOB WILSON, SAID THEY NEED NOTHER WEEK TO FINISH TECHNICAL REPORT REGARDING PETROLEUM CONTAMINATIONS IN GROUND WATER AT (UPS) SITE (1/12/93)THIS CASE IS CLOSEDGroundwater impacts by PCE from mall dry cleaners.Haz Mat incident report filed : CLOSE TANK & REMOVE : HOLE IN TANK. KA LTR 7-14-03 CONCUR WITH CLOSURE

Region: STATE
Case Type: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Not reported
How Stopped: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Global Id: L10005142619
Stop 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: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Release Date: Not reported
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 19
Org Name: Not reported
Reg Board: Los Angeles Region
Status: Not reported
Chemical: Not reported
Contact Person: Not reported

RANCHO SAN FRACISCO & FERGUSON (Continued) **S108244879**

Responsible Party: Not reported
RP Address: Not reported
Interim: Not reported
Oversight Prgm: LDP
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: BPB
Staff Initials: Not reported
Lead Agency: Not reported
Local Agency: Not reported
Hydr Basin #: Not reported
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: Not reported
Case Number: 4B196201014
Qty Leaked: Not reported
Abate Method: Not reported
Operator: Not reported
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
Summary: BOB WILSON, SAID THEY NEED NOTHER WEEK TO FINISH TECHNICAL REPORT REGARDING PETROLEUM CONTAMINATIONS IN GROUND WATER AT (UPS) SITE (1/12/93)THIS CASE IS CLOSEDGroundwater impacts by PCE from mall dry cleaners.Haz Mat incident report filed : CLOSE TANK & REMOVE : HOLE IN TANK. KA LTR 7-14-03 CONCUR WITH CLOSURE

Region: STATE
Case Type: Not reported
Cross Street: Not reported
Enf Type: Not reported
Funding: Not reported
How Discovered: Not reported
How Stopped: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Global Id: L10009024800
Stop 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: Not reported
Discover Date: Not reported
Enforcement Dt: Not reported
Release Date: Not reported
Review Date: Not reported
Enter Date: Not reported
MTBE Date: Not reported

RANCHO SAN FRACISCO & FERGUSON (Continued) **S108244879**

GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 19
Org Name: Not reported
Reg Board: Los Angeles Region
Status: Not reported
Chemical: Not reported
Contact Person: Not reported
Responsible Party: Not reported
RP Address: Not reported
Interim: Not reported
Oversight Prgm: LDP
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: BPB
Staff Initials: Not reported
Lead Agency: Not reported
Local Agency: Not reported
Hydr Basin #: Not reported
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: Not reported
Case Number: 4B196200012
Qty Leaked: Not reported
Abate Method: Not reported
Operator: Not reported
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
Summary: BOB WILSON, SAID THEY NEED NOTHER WEEK TO FINISH TECHNICAL REPORT REGARDING PETROLEUM CONTAMINATIONS IN GROUND WATER AT (UPS) SITE (1/12/93)THIS CASE IS CLOSEDGroundwater impacts by PCE from mall dry cleaners.Haz Mat incident report filed : CLOSE TANK & REMOVE : HOLE IN TANK. KA LTR 7-14-03 CONCUR WITH CLOSURE

A12
SSW
1/2-1
4579 ft.

Relative: Higher

Actual: 1648 ft.

SUN PRODUCTION & EXPLORATION **LOS ANGELES CO. HMS** **S102064471**
26835 W PICO CANYON RD **N/A**
UNINCORPORATED, CA

Site 11 of 11 in cluster A

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 008962-000340
Facility Status: Removed
Area: 7
Permit Number: 00000316T
Permit Status: Removed
Facility Type: T0

13
SSW
1/2-1
4627 ft.

ORYX, WESTERN DIST.GAS PLANT
26835 W. PICO CANYON ROAD
NEWHALL, CA 91321

Toxic Pits

S100676242
N/A

Relative:
Lower

Actual:
1538 ft.

Toxic Pits:

Region:	04
Task #:	84017
Owner:	ORYX ENERGY COMPANY
1/2 Mi Limit:	Y
Num. of Pits:	1
Cease Discharge Due:	/ /
Cease Discharge Complete:	/ /
Closure Due:	/ /
Closure Completed:	**12/07/90**
Status:	CLOSED

Hydro Geological Assessment Report Due: / /
Final Hydro Geological Assessment Review Completed: / /

14
SE
1/2-1
4880 ft.

HEMINGWAY CLEANERS
25820 HEMINGWAY ST
STEVENSON RANCH, CA 91381

HAZNET
CLEANERS

S105266530
N/A

Relative:
Higher

Actual:
1651 ft.

HAZNET:

Gepaid:	CAL000217215
Contact:	KWANG KIM/OWNER
Telephone:	6617994988
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25820 HEMINGWAY ST
Mailing City,St,Zip:	STEVENSON RANCH, CA 913810000
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method:	Transfer Station
Tons:	0.05
Facility County:	Not reported

Gepaid:	CAL000217215
Contact:	KWANG KIM/OWNER
Telephone:	6617994988
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25820 HEMINGWAY ST
Mailing City,St,Zip:	STEVENSON RANCH, CA 913810000
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method:	Recycler
Tons:	0.19
Facility County:	Not reported

Gepaid:	CAL000217215
Contact:	KWANG KIM/OWNER
Telephone:	6617994988
Facility Addr2:	Not reported
Mailing Name:	Not reported

HEMINGWAY CLEANERS (Continued) **S105266530**

Mailing Address:	25820 HEMINGWAY ST
Mailing City,St,Zip:	STEVENSON RANCH, CA 913810000
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Aqueous solution with less than 10% total organic residues
Disposal Method:	Not reported
Tons:	0
Facility County:	Not reported

Gepaid:	CAL000217215
Contact:	KWANG KIM/OWNER
Telephone:	6617994988
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25820 HEMINGWAY ST
Mailing City,St,Zip:	STEVENSON RANCH, CA 913810000
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method:	Transfer Station
Tons:	0.04
Facility County:	Not reported

Gepaid:	CAL000217215
Contact:	KWANG KIM/OWNER
Telephone:	6617994988
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25820 HEMINGWAY ST
Mailing City,St,Zip:	STEVENSON RANCH, CA 913810000
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method:	Recycler
Tons:	0.06
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

CLEANERS:

EPA Id:	CAL000217215
NAICS Code:	81232
NAICS Description:	Drycleaning and Laundry Services (except Coin-Operated)
SIC Code:	7211
SIC Description:	Power Laundries, Family and Commercial
Create Date:	08/02/2000
Facility Active:	Yes
Inactive Date:	Not reported
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25820 HEMINGWAY ST
Mailing Address 2:	Not reported
Mailing State:	CA

HEMINGWAY CLEANERS (Continued) **S105266530**

Mailing Zip: 913810000
Region Code: 3
Owner Name: KWANG KIM
Owner Address: 25820 HEMINGWAY ST
Owner Address 2: Not reported
Owner Telephone: 6617994988
Contact Name: KWANG KIM/OWNER
Contact Address: 25820 HEMINGWAY ST
Contact Address 2: Not reported
Contact Telephone: 6617994988

EPA Id: CAL000217215
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7212
SIC Description: Garment Pressing, and Agents for Laundries and Drycleaners
Create Date: 08/02/2000
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25820 HEMINGWAY ST
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 913810000
Region Code: 3
Owner Name: KWANG KIM
Owner Address: 25820 HEMINGWAY ST
Owner Address 2: Not reported
Owner Telephone: 6617994988
Contact Name: KWANG KIM/OWNER
Contact Address: 25820 HEMINGWAY ST
Contact Address 2: Not reported
Contact Telephone: 6617994988

EPA Id: CAL000217215
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7216
SIC Description: Drycleaning Plants, Except Rug Cleaning
Create Date: 08/02/2000
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25820 HEMINGWAY ST
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 913810000
Region Code: 3
Owner Name: KWANG KIM
Owner Address: 25820 HEMINGWAY ST
Owner Address 2: Not reported
Owner Telephone: 6617994988
Contact Name: KWANG KIM/OWNER
Contact Address: 25820 HEMINGWAY ST
Contact Address 2: Not reported

HEMINGWAY CLEANERS (Continued) **S105266530**

Contact Telephone: 6617994988

EPA Id: CAL000217215
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7219
SIC Description: Laundry and Garment Services, NEC (except diaper service and clothing alteration and repair)
Create Date: 08/02/2000
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25820 HEMINGWAY ST
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 913810000
Region Code: 3
Owner Name: KWANG KIM
Owner Address: 25820 HEMINGWAY ST
Owner Address 2: Not reported
Owner Telephone: 6617994988
Contact Name: KWANG KIM/OWNER
Contact Address: 25820 HEMINGWAY ST
Contact Address 2: Not reported
Contact Telephone: 6617994988

15
East
1/2-1
4991 ft.

MJD CONSTRUCTION **HAZNET** **S103977955**
26144 OHARA **N/A**
VALENCIA, CA 91355

Relative:
Lower

Actual:
1568 ft.

HAZNET:
Gepaid: CAC001253320
Contact: CORPORATION
Telephone: 0000000000
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 7448 DEERING AVE
Mailing City,St,Zip: CANOGA PARK, CA 913010000
Gen County: Los Angeles
TSD EPA ID: CAT080033681
TSD County: Los Angeles
Waste Category: Other organic solids
Disposal Method: Recycler
Tons: .4750
Facility County: Los Angeles

16
South
> 1
5574 ft.

Relative:
Lower

Actual:
1524 ft.

STEVENSON RANCH VENTURE LLC **HAZNET** **S105087285**
PICO CYN RD / STEVENSON PKWY W 1.5M **N/A**
SANTA CLARITA, CA 91381

HAZNET:

Gepaid:	CAC002293817
Contact:	STEVENSON RANCH VENTURE LLC
Telephone:	6617992482
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25129 THE OLD RD STE 316
Mailing City,St,Zip:	STEVENSON RANCH, CA 913810000
Gen County:	Los Angeles
TSD EPA ID:	CAD088504881
TSD County:	Orange
Waste Category:	Other organic solids
Disposal Method:	Transfer Station
Tons:	.3000
Facility County:	Los Angeles

Gepaid:	CAC002293817
Contact:	STEVENSON RANCH VENTURE LLC
Telephone:	6617992482
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25129 THE OLD RD STE 316
Mailing City,St,Zip:	STEVENSON RANCH, CA 913810000
Gen County:	Los Angeles
TSD EPA ID:	CAD099452708
TSD County:	Los Angeles
Waste Category:	Unspecified oil-containing waste
Disposal Method:	Recycler
Tons:	.6463
Facility County:	Los Angeles

B17
NE
> 1
5719 ft.

Relative:
Lower

Actual:
1355 ft.

SPECIALTY MOTORS INC **TRIS** **1006816063**
25060 AVE TIBBITTS **91355SPCLT25**
VALENCIA, CA 91355

Site 1 of 2 in cluster B

B18
NE
> 1
5719 ft.

Relative:
Lower

Actual:
1355 ft.

SPECIALTY MOTORS INC **HAZNET** **S105092973**
25060 AVE TIBBITTS **N/A**
VALENCIA, CA 91355

Site 2 of 2 in cluster B

HAZNET:

Gepaid:	CAL000214901
Contact:	ZARKO BAIC/MGF MGR
Telephone:	6612577388
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25060 AVE TIBBITTS
Mailing City,St,Zip:	VALENCIA, CA 913550000

SPECIALTY MOTORS INC (Continued) **S105092973**

Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Not reported
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: 0.16
Facility County: Not reported

Gepaid: CAL000214901
Contact: ZARKO BAIC/MGF MGR
Telephone: 6612577388
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25060 AVE TIBBITTS
Mailing City,St,Zip: VALENCIA, CA 913550000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Not reported
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Tons: 0.11
Facility County: Not reported

Gepaid: CAL000214901
Contact: ZARKO BAIC/MGF MGR
Telephone: 6612577388
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25060 AVE TIBBITTS
Mailing City,St,Zip: VALENCIA, CA 913550000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
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
Tons: 0.33
Facility County: Not reported

Gepaid: CAL000214901
Contact: ZARKO BAIC/MGF MGR
Telephone: 6612577388
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25060 AVE TIBBITTS
Mailing City,St,Zip: VALENCIA, CA 913550000
Gen County: Los Angeles
TSD EPA ID: Not reported
TSD County: Los Angeles
Waste Category: Aqueous solution with less than 10% total organic residues
Disposal Method: Transfer Station
Tons: 0.27
Facility County: Not reported

Gepaid: CAL000214901
Contact: ZARKO BAIC/MGF MGR

SPECIALTY MOTORS INC (Continued) **S105092973**

Telephone:	6612577388
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25060 AVE TIBBITTS
Mailing City,St,Zip:	VALENCIA, CA 913550000
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	Los Angeles
Waste Category:	Oil/water separation sludge
Disposal Method:	Recycler
Tons:	1.22
Facility County:	Not reported

Click this hyperlink while viewing on your computer to access
3 additional CA_HAZNET: record(s) in the EDR Site Report.

19
South
> 1
6725 ft.

Relative:
Higher

Actual:
1789 ft.

BENNETT MURRAY BRINE SUMP **SWF/LF** **S101613003**
3 1/2 MI W HWY I-5 S OF PICO C **WMUDS/SWAT** **N/A**
NEWHALL, CA

LF:

Region:	STATE
Facility ID:	19-AA-5056
Facility Telephone:	Not reported
Facility Telephone 2:	Not reported
Lat/Long:	34.37806 / -118.62583
Land Owner:	Not reported
Owner Name:	Santa Monica Mountains Conservancy
Owner Telephone:	Not reported
Owner Address:	Not reported
Owner Address2:	Not reported
Owner City,St,Zip:	Not reported
Operator:	Chevron Oil Company
Operator Phone:	8056334530
Operator Address:	Not reported
Operator Address2:	Not reported
Operator City,St,Zip:	Not reported
Operator's Status:	Closed
Permit Date:	Not reported
Permit Status:	Not reported
Permitted Acreage:	0
Activity:	Solid Waste Disposal Site
Regulation Status:	Pre-regulations
Land Use:	Not reported
Landuse Name:	Not reported
GIS Source:	Map
Category:	Disposal
Unit Number:	01
Inspection Frequency:	Not reported
Accepted Waste:	Not reported
Year Opened:	Not reported
Year Closed:	Not reported
Closure Date:	12/31/1930
Closure Type:	Estimated
Closure Approve:	Not reported
Disposal Acreage:	0
Status:	Not reported

BENNETT MURRAY BRINE SUMP (Continued) **S101613003**

Swisnumber: 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
Dt Of Field Units: Not reported
Surface Condition: Not reported
Landfill Gas: Not reported
Leachate: Not reported
Emrgncy Response: Not reported
Lea Date: Not reported
Restrictions: Not reported
Fill Area: Not reported
Type Of Refuse: Not reported
Avg Depth Of Fill: Not reported
Addtl Expansion Area: Not reported
Site Size: Not reported
Site Type: Not reported
Site Description: Not reported
Reassess Site: Not reported
Location: Not reported
Parcel Num: Not reported
Issue & Observations: Not reported
Other Observations: Not reported
Date: Not reported
Address: Not reported
Prep By: Not reported
DOHS Number: Not reported
CUP Number: Not reported
CIWMB: Not reported
Program Type: Not reported
Public Notice: Not reported
PERMTIER: Not reported
Recommendations: Not reported
Othr Recommendation: Not reported
Sig. Change Since Last Visit: Not reported
Priority For Site Assessment: Not reported
Permitted Throughput with Units: Not reported
Actual Throughput with Units: Not reported
Permitted Capacity with Units: Not reported
Remaining Capacity: Not reported
Remaining Capacity with Units: 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

WMUDS/SWAT:
Edit Date: Not reported
Complexity: Not reported
Primary Waste: Not reported
Primary Waste Type: Not reported
Secondary Waste: Not reported
Secondary Waste Type: Not reported
Base Meridian: Not reported

BENNETT MURRAY BRINE SUMP (Continued) **S101613003**

NPID:	Not reported
Tonnage:	0
Regional Board ID:	Not reported
Municipal Solid Waste:	False
Superorder:	False
Open To Public:	False
Waste List:	False
Agency Type:	Not reported
Agency Name:	BENNETT MURRAY
Agency Department:	Not reported
Agency Address:	Not reported
Agency City,St,Zip:	Not reported
Agency Contact:	Not reported
Agency Telephone:	Not reported
Land Owner Name:	Not reported
Land Owner Address:	Not reported
Land Owner City,St,Zip:	CA
Land Owner Contact:	Not reported
Land Owner Phone:	Not reported
Region:	4
Facility Type:	Not reported
Facility Description:	Not reported
Facility Telephone:	Not reported
SWAT Facility Name:	Not reported
Primary SIC:	Not reported
Secondary SIC:	Not reported
Comments:	Not reported
Last Facility Editors:	Not reported
Waste Discharge System:	False
Solid Waste Assessment Test Program:	True
Toxic Pits Cleanup Act Program:	False
Resource Conservation Recovery Act:	False
Department of Defence:	False
Solid Waste Assessment Test Program:	BENNETT MURRAY
Threat to Water Quality:	Not reported
Sub Chapter 15:	False
Regional Board Project Officer:	LT
Number of WMUDS at Facility:	1
Section Range:	Not reported
RCRA Facility:	Not reported
Waste Discharge Requirements:	Not reported
Self-Monitoring Rept. Frequency:	Not reported
Waste Discharge System ID:	4 190050NUR
Solid Waste Information ID:	Not reported

C20 **HEMINGWAY CLEANERS** **HAZNET** **S108208705**
ESE **25820 HEMINGWAY AVE** **N/A**
> 1 **STEVENSON RANCH, CA 91381**
7130 ft.

Site 1 of 2 in cluster C

Relative: Lower

Actual: 1437 ft.

HAZNET:

Gepaid:	CAL000217215
Contact:	NORMA MERCADO
Telephone:	6617994988
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25820 HEMINGWAY AVE

HEMINGWAY CLEANERS (Continued) **S108208705**

Mailing City,St,Zip:	STEVENSON RANCH, CA 913812319
Gen County:	Los Angeles
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method:	Transfer Station
Tons:	0.07
Facility County:	Not reported

Gepaid:	CAL000217215
Contact:	NORMA MERCADO
Telephone:	6617994988
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25820 HEMINGWAY AVE
Mailing City,St,Zip:	STEVENSON RANCH, CA 913812319
Gen County:	Los Angeles
TSD EPA ID:	CAD008302903
TSD County:	Los Angeles
Waste Category:	Halogenated solvents (chloroform, methyl chloride, perchloroethylene, etc.)
Disposal Method:	Transfer Station
Tons:	0.07
Facility County:	Not reported

C21 **FS 124** **HAZNET** **S108207353**
ESE **25870 HEMINGWAY AVE** **N/A**
> 1 **STEVENSON RANCH, CA 91381**
7357 ft.

Site 2 of 2 in cluster C

Relative: Lower

Actual: 1422 ft.

HAZNET:

Gepaid:	CAL000283987
Contact:	C&M DIV MANAGER
Telephone:	3238816122
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	P.O. BOX 32220
Mailing City,St,Zip:	LOS ANGELES, CA 90032
Gen County:	Los Angeles
TSD EPA ID:	CAD982444481
TSD County:	San Bernardino
Waste Category:	Waste oil and mixed oil
Disposal Method:	Recycler
Tons:	0.22
Facility County:	Not reported

D22 **DKM OFFSHORE ENERGY INC** **LOS ANGELES CO. HMS** **S102064470**
SSE **26835 W PICO CANYON RD** **N/A**
> 1 **UNINCORPORATED, CA**
7417 ft.

Site 1 of 4 in cluster D

Relative: Lower

Actual: 1486 ft.

LOS ANGELES CO. HMS:

Region:	LA
Facility Id:	000338-020615
Facility Status:	Closed

DKM OFFSHORE ENERGY INC (Continued) **S102064470**

Area: 7
Permit Number: 000083937
Permit Status: Closed
Facility Type: I06

D23
SSE
> 1
7417 ft.

Relative:
Lower

Actual:
1486 ft.

MEDALLION CALIFORNIA PROPERTY **LOS ANGELES CO. HMS** **S102064469**
26835 W PICO CANYON RD **N/A**
UNINCORPORATED, CA

Site 2 of 4 in cluster D

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 000338-043916
Facility Status: OPEN
Area: 7
Permit Number: Not reported
Permit Status: Not reported
Facility Type: Not reported

Region: LA
Facility Id: 000338-022356
Facility Status: Permit
Area: 7
Permit Number: 000138599
Permit Status: Permit
Facility Type: I06

D24
SSE
> 1
7417 ft.

Relative:
Lower

Actual:
1486 ft.

TEXACO INC (DEST) **LOS ANGELES CO. HMS** **U003056769**
26835 W PICO CANYON RD **N/A**
UNINCORPORATED, CA

Site 3 of 4 in cluster D

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 000338-I01151
Facility Status: Closed
Area: 7
Permit Number: 000002965
Permit Status: Closed
Facility Type: I00

D25
SSE
> 1
7417 ft.

Relative:
Lower

Actual:
1486 ft.

TIDELANDS OIL PROD CO **LOS ANGELES CO. HMS** **U003056768**
26835 W PICO CANYON RD **N/A**
UNINCORPORATED, CA

Site 4 of 4 in cluster D

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 000338-I00340
Facility Status: Closed
Area: 7
Permit Number: 000000197

TIDELANDS OIL PROD CO (Continued) **U003056768**

Permit Status: Closed
Facility Type: I06

E26
SW
> 1
7526 ft.

Relative:
Higher

Actual:
1633 ft.

26835 PICO CANAON ROAD **ERNS** **98443106**
26835 PICO CANAON ROAD **N/A**
NEW HALL, CA 91321

Site 1 of 2 in cluster E

Click this hyperlink while viewing on your computer to access additional ERNS detail in the EDR Site Report.

E27
SW
> 1
7535 ft.

Relative:
Lower

Actual:
1591 ft.

SUN PRODUCTION CO **CA FID UST** **S101582790**
26835 W PICO CANYON RD **SWEEPS UST** **N/A**
NEWHALL, CA 91321

Site 2 of 2 in cluster E

CA FID UST:
Facility ID: 19001401
Regulated By: UTNKA
Regulated ID: 00003101
Cortese Code: Not reported
SIC Code: Not reported
Facility Phone: 8180000000
Mail To: Not reported
Mailing Address: BOX
Mailing Address 2: Not reported
Mailing City,St,Zip: NEWHALL 91321
Contact: Not reported
Contact Phone: Not reported
DUNs Number: Not reported
NPDES Number: Not reported
EPA ID: Not reported
Comments: Not reported
Status: Active

SWEEPS UST:
Status: A
Comp Number: 340
Number: 9
Board Of Equalization: Not reported
Ref Date: 03-19-91
Act Date: 03-19-91
Created Date: 06-30-89
Tank Status: A
Owner Tank Id: Not reported
Swrcb Tank Id: 19-000-000340-000001
Actv Date: 06-30-89
Capacity: Not reported
Tank Use: UNKNOWN
Stg: W
Content: Not reported
Number Of Tanks: 1

F28
NE
> 1
8776 ft.

Relative:
Lower

Actual:
1239 ft.

TOMRA PACIFIC INC/ALBERTSONS #6422
26850 N THE OLD RD
VALENCIA, CA 91355

Site 1 of 2 in cluster F

SWRCY **S107137925**
N/A

SWRCY:

Certification Status:	O
Facility Phone Number:	Not reported
Date facility became certified:	05/13/05
Date facility began operating:	07/09/05
Date facility ceased operating:	Still operating
Whether The Facility Is Grandfathered:	Not reported
Convenience Zone Where Faciltiy Located:	5795
Convenience Zone Where Faciltiy Located 2:	0
Convenience Zone Where Faciltiy Located 3:	0
Convenience Zone Where Faciltiy Located 4:	0
Convenience Zone Where Faciltiy Located 5:	0
Convenience Zone Where Faciltiy Located 6:	0
Convenience Zone Where Faciltiy Located 7:	0
Aluminum Beverage Containers Redeemed:	AL
Glass Beverage Containers Redeemed:	GL
Plastic Beverage Containers Redeemed:	PL
Other mat beverage containers redeemed:	Not reported
Refillable Beverage Containers Redeemed:	Not reported

F29
NE
> 1
8828 ft.

Relative:
Lower

Actual:
1231 ft.

HANGERS CLEANERS
26858 THE OLD RD
SANTA CLARITA, CA 91355

Site 2 of 2 in cluster F

HAZNET **S105888379**
LOS ANGELES CO. HMS **N/A**
CLEANERS

HAZNET:

Gepaid:	CAL000277228
Contact:	JOHN LEE
Telephone:	6612846317
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	26858 THE OLD RD
Mailing City,St,Zip:	SANTA CLARITA, CA 91355
Gen County:	Los Angeles
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Transfer Station
Tons:	0.35
Facility County:	Not reported

Gepaid:	CAL000277228
Contact:	JOHN LEE
Telephone:	6612846317
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	26858 THE OLD RD
Mailing City,St,Zip:	SANTA CLARITA, CA 91355
Gen County:	Los Angeles
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Transfer Station

HANGERS CLEANERS (Continued) **S105888379**

Tons: 0.35
Facility County: Not reported

LOS ANGELES CO. HMS:
Region: LA
Facility Id: 027389-044656
Facility Status: OPEN
Area: 7
Permit Number: Not reported
Permit Status: Not reported
Facility Type: Not reported

Region: LA
Facility Id: 027389-038779
Facility Status: Permit
Area: 7
Permit Number: 000389195
Permit Status: Permit
Facility Type: I01

CLEANERS:
EPA Id: CAL000277228
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 12/12/2003
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 26858 THE OLD RD
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 91355
Region Code: 3
Owner Name: JOHN LEE
Owner Address: 11941 WOOD RANCH RD
Owner Address 2: Not reported
Owner Telephone: 8183635711
Contact Name: JOHN LEE
Contact Address: 26858 THE OLD RD
Contact Address 2: Not reported
Contact Telephone: 6612846317

EPA Id: CAL000277228
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7212
SIC Description: Garment Pressing, and Agents for Laundries and Drycleaners
Create Date: 12/12/2003
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 26858 THE OLD RD

HANGERS CLEANERS (Continued) **S105888379**

Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 91355
Region Code: 3
Owner Name: JOHN LEE
Owner Address: 11941 WOOD RANCH RD
Owner Address 2: Not reported
Owner Telephone: 8183635711
Contact Name: JOHN LEE
Contact Address: 26858 THE OLD RD
Contact Address 2: Not reported
Contact Telephone: 6612846317

EPA Id: CAL000277228
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7216
SIC Description: Drycleaning Plants, Except Rug Cleaning
Create Date: 12/12/2003
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 26858 THE OLD RD
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 91355
Region Code: 3
Owner Name: JOHN LEE
Owner Address: 11941 WOOD RANCH RD
Owner Address 2: Not reported
Owner Telephone: 8183635711
Contact Name: JOHN LEE
Contact Address: 26858 THE OLD RD
Contact Address 2: Not reported
Contact Telephone: 6612846317

EPA Id: CAL000277228
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7219
SIC Description: Laundry and Garment Services, NEC (except diaper service and clothing alteration and repair)
Create Date: 12/12/2003
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 26858 THE OLD RD
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 91355
Region Code: 3
Owner Name: JOHN LEE
Owner Address: 11941 WOOD RANCH RD
Owner Address 2: Not reported
Owner Telephone: 8183635711
Contact Name: JOHN LEE

HANGERS CLEANERS (Continued) **S105888379**

Contact Address: 26858 THE OLD RD
Contact Address 2: Not reported
Contact Telephone: 6612846317

30
ESE
> 1
9152 ft.

MARKET PLACE CLEANERS **HAZNET** **S103976436**
25864 NORTH THE OLD ROAD **CLEANERS** **N/A**
SANTA CLARITA, CA 91381

Relative:
Lower

Actual:
1458 ft.

HAZNET:

Gepaid:	CAL000105173
Contact:	JOHN LEE
Telephone:	8052846762
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25864 NORTH THE OLD ROAD
Mailing City,St,Zip:	SANTA CLARITA, CA 913810000
Gen County:	Los Angeles
TSD EPA ID:	CAT000613893
TSD County:	Los Angeles
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Transfer Station
Tons:	.0975
Facility County:	Los Angeles

Gepaid:	CAL000105173
Contact:	KYUONG KIM/MANAGER
Telephone:	8052846762
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25864 NORTH THE OLD ROAD
Mailing City,St,Zip:	SANTA CLARITA, CA 913810000
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	99
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	***
Tons:	0.19
Facility County:	Not reported

Gepaid:	CAL000105173
Contact:	KYUONG KIM/MANAGER
Telephone:	8052846762
Facility Addr2:	Not reported
Mailing Name:	Not reported
Mailing Address:	25864 NORTH THE OLD ROAD
Mailing City,St,Zip:	SANTA CLARITA, CA 913810000
Gen County:	Los Angeles
TSD EPA ID:	Not reported
TSD County:	99
Waste Category:	Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method:	Transfer Station
Tons:	0.28
Facility County:	Not reported

Gepaid:	CAL000105173
Contact:	JOHN LEE
Telephone:	8052846762

MARKET PLACE CLEANERS (Continued) **S103976436**

Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25864 NORTH THE OLD ROAD
Mailing City,St,Zip: SANTA CLARITA, CA 913810000
Gen County: Los Angeles
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Tons: 0.39
Facility County: Los Angeles

Gepaid: CAL000105173
Contact: KYUONG KIM/MANAGER
Telephone: 8052846762
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25864 NORTH THE OLD ROAD
Mailing City,St,Zip: SANTA CLARITA, CA 913810000
Gen County: Los Angeles
TSD EPA ID: CAT000613893
TSD County: Los Angeles
Waste Category: Liquids with halogenated organic compounds > 1000 mg/l
Disposal Method: Transfer Station
Tons: 0.19
Facility County: Los Angeles

Click this hyperlink while viewing on your computer to access
4 additional CA_HAZNET: record(s) in the EDR Site Report.

CLEANERS:
EPA Id: CAL000105173
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7212
SIC Description: Garment Pressing, and Agents for Laundries and Drycleaners
Create Date: 12/04/1998
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25864 NORTH THE OLD ROAD
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 913810000
Region Code: 3
Owner Name: JOHN LEE
Owner Address: 25864 NORTH THE OLD ROAD
Owner Address 2: Not reported
Owner Telephone: 8052846762
Contact Name: KYUONG KIM/MANAGER
Contact Address: 25864 NORTH THE OLD ROAD
Contact Address 2: Not reported
Contact Telephone: 8052846762

EPA Id: CAL000105173
NAICS Code: 81232

MARKET PLACE CLEANERS (Continued) **S103976436**

NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7216
SIC Description: Drycleaning Plants, Except Rug Cleaning
Create Date: 12/04/1998
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25864 NORTH THE OLD ROAD
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 913810000
Region Code: 3
Owner Name: JOHN LEE
Owner Address: 25864 NORTH THE OLD ROAD
Owner Address 2: Not reported
Owner Telephone: 8052846762
Contact Name: KYUONG KIM/MANAGER
Contact Address: 25864 NORTH THE OLD ROAD
Contact Address 2: Not reported
Contact Telephone: 8052846762

EPA Id: CAL000105173
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7219
SIC Description: Laundry and Garment Services, NEC (except diaper service and clothing alteration and repair)
Create Date: 12/04/1998
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25864 NORTH THE OLD ROAD
Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 913810000
Region Code: 3
Owner Name: JOHN LEE
Owner Address: 25864 NORTH THE OLD ROAD
Owner Address 2: Not reported
Owner Telephone: 8052846762
Contact Name: KYUONG KIM/MANAGER
Contact Address: 25864 NORTH THE OLD ROAD
Contact Address 2: Not reported
Contact Telephone: 8052846762

EPA Id: CAL000105173
NAICS Code: 81232
NAICS Description: Drycleaning and Laundry Services (except Coin-Operated)
SIC Code: 7211
SIC Description: Power Laundries, Family and Commercial
Create Date: 12/04/1998
Facility Active: Yes
Inactive Date: Not reported
Facility Addr2: Not reported
Mailing Name: Not reported
Mailing Address: 25864 NORTH THE OLD ROAD

MARKET PLACE CLEANERS (Continued) **S103976436**

Mailing Address 2: Not reported
Mailing State: CA
Mailing Zip: 913810000
Region Code: 3
Owner Name: JOHN LEE
Owner Address: 25864 NORTH THE OLD ROAD
Owner Address 2: Not reported
Owner Telephone: 8052846762
Contact Name: KYUONG KIM/MANAGER
Contact Address: 25864 NORTH THE OLD ROAD
Contact Address 2: Not reported
Contact Telephone: 8052846762

G31 **DALE POE DEV CORP OF CALIF** **LUST** **S102428606**
ESE **25151 PICO CANYON RD** **N/A**
> 1 **SANTA CLARITA, CA 91381**
9402 ft.

Site 1 of 2 in cluster G

Relative:
Lower

Actual:
1371 ft.

LUST:
Region: STATE
Case Type: Soil only
Cross Street: LYONS AVE
Enf Type: Not reported
Funding: Not reported
How Discovered: Not reported
How Stopped: Not reported
Leak Cause: Not reported
Leak Source: Not reported
Global Id: T0603705268
Stop 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: 1991-02-12 00:00:00
Discover Date: Not reported
Enforcement Dt: Not reported
Release Date: 1991-02-12 00:00:00
Review Date: 1991-02-12 00:00:00
Enter Date: 1996-05-03 00:00:00
MTBE Date: Not reported
GW Qualifier: Not reported
Soil Qualifier: Not reported
Max MTBE GW ppb: Not reported
Max MTBE Soil ppb: Not reported
County: 19
Org Name: Not reported
Reg Board: Los Angeles Region
Status: Case Closed
Chemical: 1
Contact Person: Not reported
Responsible Party: DALE POE DEVELOPMENT
RP Address: 5331 DERRY AVE STE Q AGOURA HILLS CA 91301
Interim: Not reported

DALE POE DEV CORP OF CALIF (Continued) **S102428606**

Oversight Prgm: LUST
MTBE Class: *
MTBE Conc: 0
MTBE Fuel: 0
MTBE Tested: Not Required to be Tested.
Staff: YR
Staff Initials: JA
Lead Agency: Local Agency
Local Agency: 19000
Hydr Basin #: SANTA CLARA RIVER VA
Beneficial: Not reported
Priority: Not reported
Cleanup Fund Id: Not reported
Work Suspended: Not reported
Local Case #: Not reported
Case Number: R-15862
Qty Leaked: Not reported
Abate Method: Not reported
Operator: Not reported
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
Summary: Final closure plan for affected sediments and marsh environmenrt in progress. Final negitioations with DFG and TOSCO still not resolved.

LUST:
Region: 4
Staff: UNK
County: Los Angeles
Local Agency: 19000
Lead Agency: Local Agency
Case Type: Soil
Status: Case Closed
Substance: 1
Cross Street: LYONS AVE
Global ID: T0603705268
Enforcement Type: Not reported
Date Leak Discovered: Not reported
Date Leak Record Entered: 5/3/1996
How Leak Discovered: Not reported
How Leak Stopped: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Date Leak Stopped: Not reported
Date Confirmation Began: Not reported
Operator: Not reported
Water System: Not reported
Well Name: Not reported
Approx. Dist To Production Well (ft): 4023.028897494885462404950439 5
Abatement Method Used at the Site: Not reported
Source of Cleanup Funding: Not reported
Date Leak First Reported: 2/12/1991
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported

DALE POE DEV CORP OF CALIF (Continued) **S102428606**

Remediation Plan Submitted:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	2/12/1991
Date Case Last Changed on Database:	2/12/1991
Enforcement Action Date:	Not reported
Historical Max MTBE Date:	Not reported
Hist Max MTBE Conc in Groundwater:	Not reported
Hist Max MTBE Conc in Soil:	Not reported
Significant Interim Remedial Action Taken:	Not reported
GW Qualifier:	Not reported
Soil Qualifier:	Not reported
Organization:	Not reported
Regional Board:	04
Owner Contact:	Not reported
Responsible Party:	DALE POE DEVELOPMENT
RP Address:	5331 DERRY AVE STE Q AGOURA HILLS CA 91301
Program:	LUST
Lat/Long:	34.3817618 / -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
Assigned Name:	Not reported
W Global ID:	Not reported
Summary:	Not reported

G32 **DALE POE DEV CORP OF CALI** **Cortese** **S105026755**
ESE **25151 PICO CNYN** **N/A**
> 1 **STEVENSON RANCH, CA 91381**
9516 ft.

Site 2 of 2 in cluster G

Relative:
Lower

Cortese:

Region:	CORTESE
Facility Addr2:	Not reported

Actual:
1368 ft.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CASTAIC	S106840932	THE METROPOLITAN WATER DIST OF	HUGHES RD/OLD RIDGE ROUTE	91355	EMI
LOS ANGELES COUNTY	S105642458		2 / 3 MI DUE SOUTH NEWPORT BEACH PIER		HAZNET, LUST, CHMIRS
NEWHALL	S107143409	B P AMERICA INC	(PIPELINE) MCBEAN PKWY / VALENCIA	91355	HAZNET
NEWHALL	S105082748	MOUTAINS REC & CONSERVATION AUTHORITY	27201 W PICO CANYON	91381	HAZNET
NEWHALL	S106840232	SUN EXPLORATION & PRODUCTION C	26835 W PICO CYN RD	91381	EMI
SANTA CLARITA	1005441285	DEPARTMENT OF TRANSPORTATION	RTE 5 MAGIC MOUNTAIN PKWY EXIT	91355	RCRA-SQG, FINDS, HAZNET
SANTA CLARITA	S102064532	AQUAFINE CORPORATION	27825 AVE HOPKINS #4	91355	LOS ANGELES CO. HMS
SANTA CLARITA	S103945532	MTP AIRCRAFT SALES INC	27520 AVE HOPKINS #E	91355	LOS ANGELES CO. HMS
SANTA CLARITA	S103945548	ACCIDENT-RESEARCH & BIOMECHANI	27811 AVE HOPKINS 1	91355	LOS ANGELES CO. HMS
SANTA CLARITA	S103945554	ARCHI CONTROLS INC	27833 AVE HOPKINS 3	91355	LOS ANGELES CO. HMS
SANTA CLARITA	S106670526	ADVANCED PACKAGING TECHNIQUES	27655 AVE HOPKINS #B	91355	LOS ANGELES CO. HMS
SANTA CLARITA	S106670527	P&H METAL PRODUCTS	27795 AVE HOPKINS	91355	LOS ANGELES CO. HMS
SANTA CLARITA	S106670531	THOMAS HOOD GRAPHICS	27811 AVE HOPKINS 2	91355	LOS ANGELES CO. HMS
SANTA CLARITA	S103957938	CO SANITATION DIST/CITY OF SANTA CLARITA	COLLEGE OF THE CANYONS	91355	HAZNET
SANTA CLARITA	S104549075	GOLDEN VALLEY HIGH SCHOOL	GOLDEN VALLEY ROAD EXTENSION	91321	SCH, ENVIROSTOR
SANTA CLARITA	S106085278	CSI CRIME SCENE INVESTIGATION	3 MILES N OF TEMPLIN HWY ON	91355	HAZNET
SANTA CLARITA	S106670450	SEE FILE 023840	24201 W VALENCIA BLVD 102	91355	LOS ANGELES CO. HMS
SANTA CLARITA	S106853961	EAT A PITA	23360 W VALENCIA BLVD #L	91355	LOS ANGELES CO. HMS
SANTA CLARITA	S106895238	VALENCIA TOWN CENTER	0000 VALENCIA / MCBEAN BLVD	91355	LA Co. Site Mitigation
STEVENSON RANCH	S105628491	PHASE V SCHOOL SITE	INTERSTATE 5/VALENCIA BOULEVARD	91381	SCH, ENVIROSTOR
STEVENSON RANCH	S107145921	LA COUNTY FIRE DEPT SVC BUREAU-C & M DIV	25111 PICO CYN RD - STATION #124	91381	HAZNET
STEVENSON RANCH	S106484077	NEWHALL POTRERO OIL FIELD	PICO CANYON RD	91381	LUST, SLIC
STEVENSON RANCH	S108225689	WSHUHSD/WEST RANCH HIGH SCHOOL	26255 W. VALENCIA BLVD.	91381	HAZNET
VALENCIA	S106089351	CALIFORNIA INSTITUTE OF THE ARTS	VY #147 MCBEAN PRKWY / HWY 5	91355	HAZNET
VALENCIA	S103988186	SKM INDUSTRIES INC	27811 AVE HOPKINS STE 10	91355	HAZNET
VALENCIA	S104566633	LAVI INDUSTRIES	27810 AVE HOPKINS	91355	HAZNET
VALENCIA	S106835989	MPT AMERICA CORP	24932 AVE KEARNEY, UNIT 5	91355	EMI
VALENCIA	S106842619	WHITMOR/WIRENETICS,WHITMOR PLA	27737 AVE HOPKINS	91355	EMI
VALENCIA	S107149494	STAR NAIL PRODUCTS	29120 AVE PAINE	91355	HAZNET
VALENCIA	S108213092	MANNKIND CORPORATION	28903 N AVE PAINE	91355	HAZNET
VALENCIA	S107141368	CALTRANS DIST 7/CONSTR	.8 KILOMETERS WEST TO .5 KILOMETERS	91355	HAZNET
VALENCIA	S108220314	SHEILA R VELOZ BREAST IMAGING CENTER	23929 MCBEAN PKWY BLDG F STE 101	91355	HAZNET
VALENCIA	S103679412	NORTHPARK 3 AND 4	NORTHEND OF MCBEAN PARKWAY	91355	HAZNET
VALENCIA	S103679467	LOS ANGELES PUBLIC WORKS COUNTY	OLD ROAD SPTC UNINCORPORATED		HAZNET
VALENCIA	S107148720	TOURNAMENT PLAYERS CLUB AT VALENCIA LLC	26615 THE OLD ROAD	91381	HAZNET
VALENCIA	S103648847	CHEVRON 205882	2757 THE OLD RD	91355	HAZNET
VALENCIA	S106661465	VILLAGE CLEANERS	25864 TOURNAMENT RD # H	91355	CLEANERS
VALENCIA	1009279004	MOBIL OIL - M70 PIPELINE	VALENCIA GOLF COURSE - 24700 TREVINO DR	91355	ICIS
VALENCIA	S106484018	NEWHALL LAND AND FARM CO	23800 VALENCIA BLVD / MCBEAND PKWY		LUST, SLIC

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.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

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: 09/27/2006
Date Data Arrived at EDR: 11/01/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 11/01/2006
Next Scheduled EDR Contact: 01/29/2007
Data Release Frequency: Quarterly

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 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 09/27/2006
Date Data Arrived at EDR: 11/01/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 11/01/2006
Next Scheduled EDR Contact: 01/29/2007
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

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: 09/27/2006
Date Data Arrived at EDR: 11/01/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 21

Source: EPA
Telephone: N/A
Last EDR Contact: 11/01/2006
Next Scheduled EDR Contact: 01/29/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL RECOVERY: Federal Superfund Liens

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.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

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: 11/28/2006
Date Data Arrived at EDR: 12/19/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 41

Source: EPA
Telephone: 703-603-8960
Last EDR Contact: 12/19/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of 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.

Date of Government Version: 10/10/2006
Date Data Arrived at EDR: 10/25/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 28

Source: EPA
Telephone: 703-603-8960
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/27/2006
Date Data Arrived at EDR: 10/11/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 63

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/04/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

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: 06/13/2006
Date Data Arrived at EDR: 06/28/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 56

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 01/10/2007
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 40

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 01/24/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 10/18/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 35

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/17/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/18/2006
Date Data Arrived at EDR: 12/14/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing 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.

Date of Government Version: 10/18/2006
Date Data Arrived at EDR: 12/14/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 28

Source: Environmental Protection Agency
Telephone: 703-603-8905
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOD: Department of Defense Sites

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: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 11/10/2006
Next Scheduled EDR Contact: 02/05/2007
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

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: 12/31/2005
Date Data Arrived at EDR: 09/20/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 63

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

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: 10/17/2006
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

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: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

ROD: Records Of Decision

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: 10/07/2006
Date Data Arrived at EDR: 10/13/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 61

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 82

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Varies

ODI: Open Dump Inventory

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: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

TRIS: Toxic Chemical Release Inventory System

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: 12/31/2004
Date Data Arrived at EDR: 06/22/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 62

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 12/19/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

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
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

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: 10/19/2006
Date Data Arrived at EDR: 10/27/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 26

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 10/27/2006
Date Made Active in Reports: 11/22/2006
Number of Days to Update: 26

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

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: 12/31/2004
Date Data Arrived at EDR: 05/11/2006
Date Made Active in Reports: 05/22/2006
Number of Days to Update: 11

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006
Date Data Arrived at EDR: 04/21/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 20

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Quarterly

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 12/11/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 11/03/2006
Date Data Arrived at EDR: 11/03/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/24/2006
Next Scheduled EDR Contact: 01/29/2007
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 01/08/2007
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 3

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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: 10/17/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 43

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 11/29/2006
Next Scheduled EDR Contact: 02/05/2007
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

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: 10/19/2006
Date Data Arrived at EDR: 10/31/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/15/2006
Date Data Arrived at EDR: 12/28/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 32

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/28/2006
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

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: 10/11/2006
Date Data Arrived at EDR: 10/18/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 56

Source: EPA
Telephone: N/A
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 12/04/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

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: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 01/19/2007
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Biennially

STATE AND LOCAL RECORDS

HIST CAL-SITES: Calsites Database

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. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 11/27/2006
Next Scheduled EDR Contact: 02/26/2007
Data Release Frequency: No Update Planned

CA BOND EXP. PLAN: Bond Expenditure Plan

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
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

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: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/29/2006
Next Scheduled EDR Contact: 02/26/2007
Data Release Frequency: Quarterly

TOXIC PITS: Toxic Pits Cleanup Act Sites

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 Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/30/2007
Data Release Frequency: No Update Planned

SWF/LF (SWIS): Solid Waste Information System

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: 12/11/2006
Date Data Arrived at EDR: 12/13/2006
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 42

Source: Integrated Waste Management Board
Telephone: 916-341-6320
Last EDR Contact: 12/13/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CA WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 12/19/2006
Date Data Arrived at EDR: 12/19/2006
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 36
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 12/19/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Quarterly

WMUDS/SWAT: Waste Management Unit Database
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 Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30
Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 12/07/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: Quarterly

CORTESE: "Cortese" Hazardous Waste & Substances Sites List
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
Date Data Arrived at EDR: 05/29/2001
Date Made Active in Reports: 07/26/2001
Number of Days to Update: 58
Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 01/08/2007
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 01/09/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Quarterly

LUST: Geotracker's Leaking Underground Fuel Tank Report
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: 01/09/2007
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 01/09/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Quarterly

LUST REG 5: Leaking Underground Storage Tank Database

Date of Government Version: 09/30/2006
Date Data Arrived at EDR: 10/25/2006
Date Made Active in Reports: 11/28/2006
Number of Days to Update: 34
Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 01/23/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Quarterly

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-346-7491
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: No Update Planned

LUST REG 8: Leaking Underground Storage Tanks

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: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-4130
Last EDR Contact: 11/07/2006
Next Scheduled EDR Contact: 02/05/2007
Data Release Frequency: Varies

LUST REG 9: Leaking Underground Storage Tank Report

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
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-346-7491
Last EDR Contact: 11/16/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 916-542-5424
Last EDR Contact: 12/04/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

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
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 12/27/2006
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: No Update Planned

LUST REG 1: Active Toxic Site Investigation

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
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-576-2220
Last EDR Contact: 11/16/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Quarterly

LUST REG 3: Leaking Underground Storage Tank Database

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 11/13/2006
Next Scheduled EDR Contact: 02/12/2007
Data Release Frequency: No Update Planned

CA FID UST: Facility Inventory Database

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
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SLIC: Statewide SLIC Cases

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: 01/09/2007
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 01/09/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 11/16/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Quarterly

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 11/13/2006
Next Scheduled EDR Contact: 02/12/2007
Data Release Frequency: Semi-Annually

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Any contaminated site that impacts groundwater or has the potential to impact groundwater.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Varies

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
Unregulated sites that impact groundwater or have the potential to impact groundwater.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 01/03/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Semi-Annually

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Semi-Annually

SLIC REG 6L: SLIC Sites

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 12/04/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36

Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 11/16/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 04/06/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 01/02/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Semi-Annually

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

Date of Government Version: 11/27/2006
Date Data Arrived at EDR: 11/27/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 37

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 11/27/2006
Next Scheduled EDR Contact: 02/26/2007
Data Release Frequency: Annually

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 01/09/2007
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 14

Source: SWRCB
Telephone: 916-480-1028
Last EDR Contact: 01/09/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Semi-Annually

HIST UST: Hazardous Substance Storage Container Database

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: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

AST: Aboveground Petroleum Storage Tank Facilities

Registered Aboveground Storage Tanks.

Date of Government Version: 11/02/2006
Date Data Arrived at EDR: 11/03/2006
Date Made Active in Reports: 12/08/2006
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: 916-341-5712
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/30/2007
Data Release Frequency: Quarterly

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1980's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 11/30/2005
Date Made Active in Reports: 01/19/2006
Number of Days to Update: 50

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 11/20/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

NOTIFY 65: Proposition 65 Records

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 Data Arrived at EDR: 11/01/1993
Date Made Active in Reports: 11/19/1993
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: No Update Planned

DEED: Deed Restriction 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.

Date of Government Version: 10/04/2006
Date Data Arrived at EDR: 10/05/2006
Date Made Active in Reports: 10/25/2006
Number of Days to Update: 20

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/16/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Semi-Annually

VCP: Voluntary Cleanup Program Properties

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: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/29/2006
Next Scheduled EDR Contact: 02/26/2007
Data Release Frequency: Quarterly

DRYCLEANERS: Cleaner Facilities

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: 04/18/2005
Date Data Arrived at EDR: 04/18/2005
Date Made Active in Reports: 05/06/2005
Number of Days to Update: 18

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Annually

WIP: Well Investigation Program Case List

Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 10/25/2006
Date Data Arrived at EDR: 10/31/2006
Date Made Active in Reports: 11/28/2006
Number of Days to Update: 28

Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 05/17/2006
Date Data Arrived at EDR: 05/17/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 29

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Varies

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/29/2006
Next Scheduled EDR Contact: 02/26/2007
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

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: 12/31/2005
Date Data Arrived at EDR: 11/20/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 44

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 11/20/2006
Next Scheduled EDR Contact: 02/05/2007
Data Release Frequency: Annually

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 27

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 01/19/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Varies

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/29/2006
Next Scheduled EDR Contact: 02/26/2007
Data Release Frequency: Quarterly

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

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: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 11/10/2006
Next Scheduled EDR Contact: 02/05/2007
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005
Date Data Arrived at EDR: 01/21/2005
Date Made Active in Reports: 02/28/2005
Number of Days to Update: 38
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 11/30/2006
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 52
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/21/2006
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 52
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 12/19/2006
Date Data Arrived at EDR: 12/19/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 41
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Minnesota, Mississippi and North Carolina.

Date of Government Version: 08/24/2006
Date Data Arrived at EDR: 09/11/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 58
Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Semi-Annually

INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 08/24/2006
Date Data Arrived at EDR: 09/11/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 58

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 11/21/2006
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 52

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004
Date Data Arrived at EDR: 12/29/2004
Date Made Active in Reports: 02/04/2005
Number of Days to Update: 37

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 11/30/2006
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 52

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 01/11/2007
Date Data Arrived at EDR: 01/12/2007
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 17

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Semi-Annually

INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 59

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 09/06/2006
Date Data Arrived at EDR: 10/04/2006
Date Made Active in Reports: 11/08/2006
Number of Days to Update: 35

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 12/19/2006
Date Data Arrived at EDR: 12/19/2006
Date Made Active in Reports: 01/29/2007
Number of Days to Update: 41

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Historical Auto Stations: EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Historical Cleaners: EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 10/26/2006
Date Data Arrived at EDR: 10/27/2006
Date Made Active in Reports: 11/28/2006
Number of Days to Update: 32

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Semi-Annually

Underground Tanks

Date of Government Version: 10/26/2006
Date Data Arrived at EDR: 10/27/2006
Date Made Active in Reports: 11/13/2006
Number of Days to Update: 17

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

Site List

List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 11/27/2006
Next Scheduled EDR Contact: 02/26/2007
Data Release Frequency: Semi-Annually

FRESNO COUNTY:

CUPA Resources List

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: 11/22/2006
Date Data Arrived at EDR: 11/27/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 37

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 01/16/2007
Next Scheduled EDR Contact: 05/07/2007
Data Release Frequency: Semi-Annually

KERN COUNTY:

Underground Storage Tank Sites & Tank Listing

Kern County Sites and Tanks Listing.

Date of Government Version: 12/06/2006
Date Data Arrived at EDR: 12/07/2006
Date Made Active in Reports: 01/04/2007
Number of Days to Update: 28

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 12/04/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: Quarterly

LOS ANGELES COUNTY:

San Gabriel Valley Areas of Concern

San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 07/07/1999
Date Made Active in Reports: N/A
Number of Days to Update: 0

Source: EPA Region 9
Telephone: 415-972-3178
Last EDR Contact: 05/16/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HMS: Street Number List

Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/31/2006
Date Data Arrived at EDR: 12/29/2006
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 26

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 11/13/2006
Next Scheduled EDR Contact: 02/12/2007
Data Release Frequency: Semi-Annually

List of Solid Waste Facilities

Date of Government Version: 11/13/2006
Date Data Arrived at EDR: 11/28/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 36

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 11/15/2006
Next Scheduled EDR Contact: 02/12/2007
Data Release Frequency: Varies

City of Los Angeles Landfills

Date of Government Version: 03/01/2006
Date Data Arrived at EDR: 04/06/2006
Date Made Active in Reports: 05/11/2006
Number of Days to Update: 35

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 12/11/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Varies

Site Mitigation List

Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 12/04/2006
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 11/13/2006
Next Scheduled EDR Contact: 02/12/2007
Data Release Frequency: Annually

City of El Segundo Underground Storage Tank

Date of Government Version: 12/14/2006
Date Data Arrived at EDR: 12/15/2006
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 39

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 12/14/2006
Next Scheduled EDR Contact: 02/12/2007
Data Release Frequency: Semi-Annually

City of Long Beach Underground Storage Tank

Date of Government Version: 03/28/2003
Date Data Arrived at EDR: 10/23/2003
Date Made Active in Reports: 11/26/2003
Number of Days to Update: 34

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 11/21/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Annually

City of Torrance Underground Storage Tank

Date of Government Version: 11/13/2006
Date Data Arrived at EDR: 11/13/2006
Date Made Active in Reports: 12/12/2006
Number of Days to Update: 29

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 11/13/2006
Next Scheduled EDR Contact: 02/12/2007
Data Release Frequency: Semi-Annually

MARIN COUNTY:

Underground Storage Tank Sites

Currently permitted USTs in Marin County.

Date of Government Version: 11/06/2006
Date Data Arrived at EDR: 11/28/2006
Date Made Active in Reports: 01/04/2007
Number of Days to Update: 37

Source: Public Works Department Waste Management
Telephone: 415-499-6647
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/30/2007
Data Release Frequency: Semi-Annually

NAPA COUNTY:

Sites With Reported Contamination

Date of Government Version: 01/09/2007
Date Data Arrived at EDR: 01/10/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 14

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: Semi-Annually

Closed and Operating Underground Storage Tank Sites

Date of Government Version: 01/09/2007
Date Data Arrived at EDR: 01/10/2007
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 13

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: Annually

ORANGE COUNTY:

List of Industrial Site Cleanups

Petroleum and non-petroleum spills.

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 01/04/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 20

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 12/06/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: Annually

List of Underground Storage Tank Cleanups

Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 01/04/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 20

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 12/06/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: Quarterly

List of Underground Storage Tank Facilities

Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 12/01/2006
Date Data Arrived at EDR: 01/04/2007
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 19

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 12/06/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: Quarterly

PLACER COUNTY:

Master List of Facilities

List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/30/2006
Date Data Arrived at EDR: 08/31/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 35

Source: Placer County Health and Human Services
Telephone: 530-889-7312
Last EDR Contact: 12/29/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Semi-Annually

RIVERSIDE COUNTY:

Listing of Underground Tank Cleanup Sites

Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 11/09/2006
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 11/28/2006
Number of Days to Update: 18

Source: Department of Public Health
Telephone: 951-358-5055
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Quarterly

Underground Storage Tank Tank List

Date of Government Version: 11/09/2006
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 12/21/2006
Number of Days to Update: 41

Source: Health Services Agency
Telephone: 951-358-5055
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

Contaminated Sites

Date of Government Version: 11/21/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 01/29/2007
Data Release Frequency: Quarterly

ML - Regulatory Compliance Master List

Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 11/21/2006
Date Data Arrived at EDR: 12/01/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 33

Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 11/17/2006
Next Scheduled EDR Contact: 01/29/2007
Data Release Frequency: Quarterly

SAN BERNARDINO COUNTY:

Hazardous Material Permits

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: 01/04/2007
Date Data Arrived at EDR: 01/05/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 19

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 12/04/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

Hazardous Materials Management Division Database

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: 05/16/2005
Date Data Arrived at EDR: 05/18/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 29

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 01/03/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Quarterly

Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 11/01/2006
Date Data Arrived at EDR: 01/03/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 21

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 11/20/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Varies

SAN FRANCISCO COUNTY:

Local Oversite Facilities

Date of Government Version: 12/21/2006
Date Data Arrived at EDR: 12/22/2006
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 33

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: Quarterly

Underground Storage Tank Information

Date of Government Version: 12/21/2006
Date Data Arrived at EDR: 12/22/2006
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 32

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: Quarterly

SAN JOAQUIN COUNTY:

San Joaquin Co. UST

A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 10/16/2006
Date Data Arrived at EDR: 12/13/2006
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 41

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 01/15/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Semi-Annually

SAN MATEO COUNTY:

Business Inventory

List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 35

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Annually

Fuel Leak List

Date of Government Version: 01/09/2007
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Semi-Annually

SANTA CLARA COUNTY:

HIST LUST - Fuel Leak Site Activity Report

A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22

Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 12/27/2006
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: No Update Planned

LOP Listing

A listing of open leaking underground storage tanks.

Date of Government Version: 09/29/2006
Date Data Arrived at EDR: 10/02/2006
Date Made Active in Reports: 10/25/2006
Number of Days to Update: 23

Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 12/27/2006
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: Varies

Hazardous Material Facilities

Date of Government Version: 12/07/2006
Date Data Arrived at EDR: 12/07/2006
Date Made Active in Reports: 01/03/2007
Number of Days to Update: 27

Source: City of San Jose Fire Department
Telephone: 408-277-4659
Last EDR Contact: 12/04/2006
Next Scheduled EDR Contact: 03/05/2007
Data Release Frequency: Annually

SOLANO COUNTY:

Leaking Underground Storage Tanks

Date of Government Version: 11/01/2006
Date Data Arrived at EDR: 11/13/2006
Date Made Active in Reports: 12/20/2006
Number of Days to Update: 37

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/27/2006
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: Quarterly

Underground Storage Tanks

Date of Government Version: 01/02/2007
Date Data Arrived at EDR: 01/16/2007
Date Made Active in Reports: 01/23/2007
Number of Days to Update: 7

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 12/27/2006
Next Scheduled EDR Contact: 03/26/2007
Data Release Frequency: Quarterly

SONOMA COUNTY:

Leaking Underground Storage Tank Sites

Date of Government Version: 10/23/2006
Date Data Arrived at EDR: 10/24/2006
Date Made Active in Reports: 11/28/2006
Number of Days to Update: 35

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 01/22/2007
Next Scheduled EDR Contact: 04/23/2007
Data Release Frequency: Quarterly

SUTTER COUNTY:

Underground Storage Tanks

Date of Government Version: 12/31/0005
Date Data Arrived at EDR: 01/05/2006
Date Made Active in Reports: 01/31/2006
Number of Days to Update: 26

Source: Sutter County Department of Agriculture
Telephone: 530-822-7500
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Semi-Annually

VENTURA COUNTY:

Business Plan, Hazardous Waste Producers, and Operating Underground Tanks

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: 11/28/2006
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/13/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Quarterly

Inventory of Illegal Abandoned and Inactive Sites

Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 09/05/2006
Date Made Active in Reports: 10/05/2006
Number of Days to Update: 30

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 11/16/2006
Next Scheduled EDR Contact: 02/19/2007
Data Release Frequency: Annually

Listing of Underground Tank Cleanup Sites

Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 11/28/2006
Date Data Arrived at EDR: 01/09/2007
Date Made Active in Reports: 01/24/2007
Number of Days to Update: 15

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/13/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Quarterly

Underground Tank Closed Sites List

Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 09/27/2006
Date Data Arrived at EDR: 11/01/2006
Date Made Active in Reports: 12/12/2006
Number of Days to Update: 41

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/10/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Quarterly

YOLO COUNTY:

Underground Storage Tank Comprehensive Facility Report

Date of Government Version: 11/13/2006
Date Data Arrived at EDR: 11/28/2006
Date Made Active in Reports: 01/04/2007
Number of Days to Update: 37

Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 01/29/2007
Next Scheduled EDR Contact: 04/16/2007
Data Release Frequency: Annually

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.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 04/07/2006
Number of Days to Update: 49

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 12/11/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 11/01/2006
Date Data Arrived at EDR: 11/13/2006
Date Made Active in Reports: 12/13/2006
Number of Days to Update: 30

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/04/2007
Next Scheduled EDR Contact: 04/02/2007
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/26/2006
Date Data Arrived at EDR: 11/29/2006
Date Made Active in Reports: 01/05/2007
Number of Days to Update: 37

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/29/2006
Next Scheduled EDR Contact: 02/26/2007
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 06/06/2006
Number of Days to Update: 81

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 12/11/2006
Next Scheduled EDR Contact: 03/12/2007
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 04/11/2006
Date Data Arrived at EDR: 10/31/2006
Date Made Active in Reports: 12/18/2006
Number of Days to Update: 48

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 12/18/2006
Next Scheduled EDR Contact: 03/19/2007
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 03/17/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 46

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 01/08/2007
Next Scheduled EDR Contact: 04/09/2007
Data Release Frequency: Annually

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.

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 and 2005 from the U.S. Fish and Wildlife Service.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

LEGACY VILLAGE
PICO CANYON ROAD/POTRERO CANYON ROAD
VALENCIA, CA 91355

TARGET PROPERTY COORDINATES

Latitude (North):	34.39550 - 34° 23' 43.8''
Longitude (West):	118.6029 - 118° 36' 10.4''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	352654.8
UTM Y (Meters):	3806978.5
Elevation:	1597 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	34118-D5 NEWHALL, CA
Most Recent Revision:	1988

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.

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.

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).

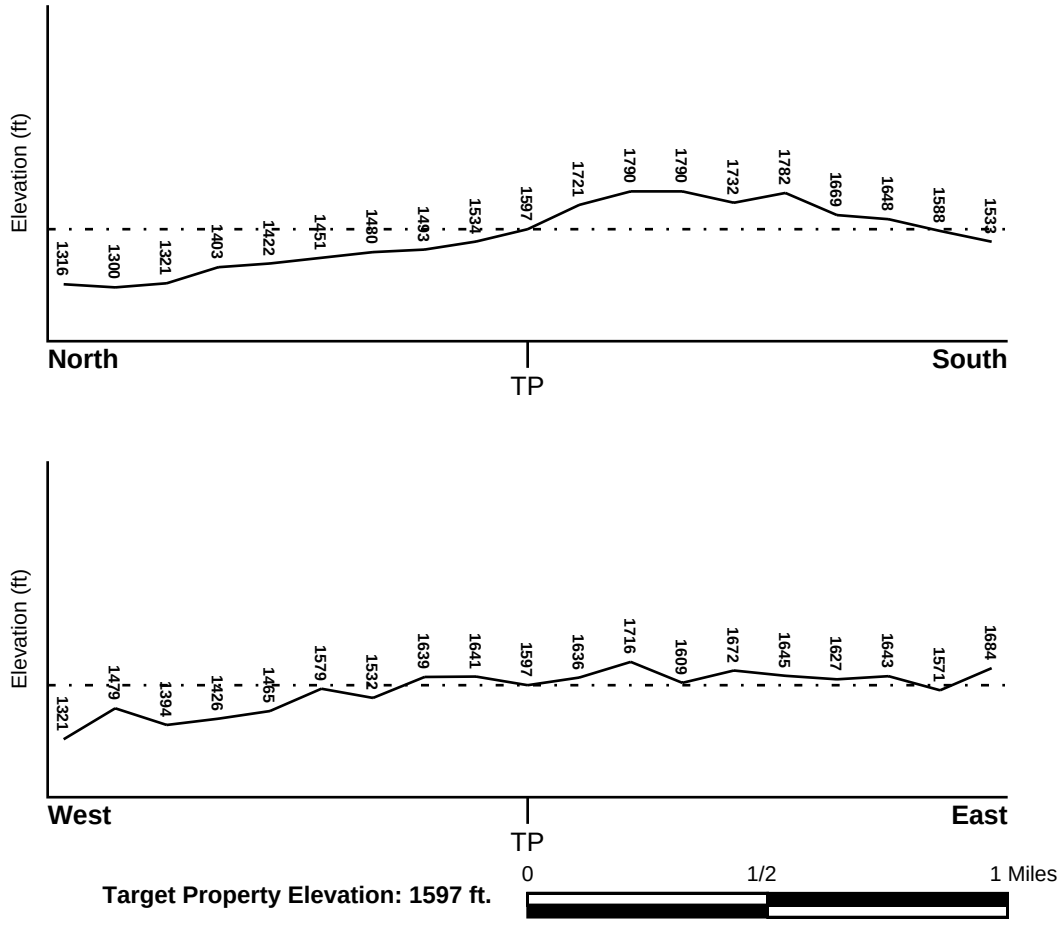
TOPOGRAPHIC INFORMATION

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

General Topographic Gradient: General NNW

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: 0650430460B

Additional Panels in search area: 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

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water 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
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

DISTANCE FROM TP (Miles)	DISTANCE FROM TP (Miles)
2 - 3 Miles North	2 - 3 Miles NNE
2 - 3 Miles North	2 - 3 Miles North
2 - 3 Miles NNW	2 - 3 Miles North
2 - 3 Miles NNW	2 - 3 Miles North
2 - 3 Miles NNW	2 - 3 Miles North
2 - 3 Miles North	2 - 3 Miles NNE
2 - 3 Miles North	2 - 3 Miles NNW
1 - 2 Miles NNW	2 - 3 Miles NNW
1 - 2 Miles North	1 - 2 Miles NNW
1 - 2 Miles North	2 - 3 Miles NW
2 - 3 Miles NNW	1 - 2 Miles North
1 - 2 Miles NNW	1 - 2 Miles North
1 - 2 Miles North	1 - 2 Miles NNW
1 - 2 Miles NNE	1 - 2 Miles NNW
1 - 2 Miles North	1 - 2 Miles NNW
1 - 2 Miles North	2 - 3 Miles NW
1 - 2 Miles NNW	1 - 2 Miles NNW
2 - 3 Miles NW	1 - 2 Miles North
2 - 3 Miles NW	1 - 2 Miles NW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

DISTANCE FROM TP (Miles)	DISTANCE FROM TP (Miles)
1 - 2 Miles NNW	1 - 2 Miles North
2 - 3 Miles NW	1 - 2 Miles NNW
2 - 3 Miles NW	1 - 2 Miles NNW
1 - 2 Miles NNE	1 - 2 Miles North
1 - 2 Miles NNE	1 - 2 Miles North
1 - 2 Miles NNW	1 - 2 Miles NNW
1 - 2 Miles North	1 - 2 Miles NW
1 - 2 Miles NNW	1 - 2 Miles NE
1 - 2 Miles North	1 - 2 Miles North
1 - 2 Miles NNW	1 - 2 Miles NNE
1 - 2 Miles NNW	1 - 2 Miles NNE
1 - 2 Miles NW	1 - 2 Miles North
1 - 2 Miles NNE	1 - 2 Miles NW
1 - 2 Miles NW	1 - 2 Miles North
1 - 2 Miles NNW	1 - 2 Miles NNE
1 - 2 Miles NNW	1 - 2 Miles NNE
1 - 2 Miles North	1 - 2 Miles NE
1 - 2 Miles North	2 - 3 Miles ENE
1 - 2 Miles NNE	2 - 3 Miles WNW
1 - 2 Miles WNW	2 - 3 Miles WNW
2 - 3 Miles WNW	1/2 - 1 Mile NNW
1 - 2 Miles WNW	2 - 3 Miles WNW
2 - 3 Miles WNW	2 - 3 Miles WNW
1 - 2 Miles WNW	1 - 2 Miles NE
1/2 - 1 Mile NW	2 - 3 Miles WNW
2 - 3 Miles WNW	2 - 3 Miles WNW
2 - 3 Miles WNW	1 - 2 Miles WNW
2 - 3 Miles WNW	2 - 3 Miles WNW
2 - 3 Miles WNW	1 - 2 Miles WNW
2 - 3 Miles WNW	2 - 3 Miles WNW
2 - 3 Miles WNW	2 - 3 Miles WNW
2 - 3 Miles WNW	2 - 3 Miles WNW
2 - 3 Miles WNW	2 - 3 Miles WNW
2 - 3 Miles WNW	2 - 3 Miles WNW
1 - 2 Miles WNW	2 - 3 Miles WNW
2 - 3 Miles West	2 - 3 Miles West
1 - 2 Miles WNW	2 - 3 Miles WNW
1 - 2 Miles WNW	2 - 3 Miles West
2 - 3 Miles WNW	2 - 3 Miles WNW
1 - 2 Miles WNW	2 - 3 Miles West
2 - 3 Miles West	1 - 2 Miles WNW
2 - 3 Miles West	2 - 3 Miles West
1 - 2 Miles WNW	2 - 3 Miles West
1 - 2 Miles East	2 - 3 Miles West
1 - 2 Miles West	1 - 2 Miles WNW
1 - 2 Miles West	1 - 2 Miles West
1 - 2 Miles WNW	1 - 2 Miles West
2 - 3 Miles West	1 - 2 Miles West
1 - 2 Miles West	2 - 3 Miles West
2 - 3 Miles West	2 - 3 Miles East
1 - 2 Miles West	2 - 3 Miles West
1 - 2 Miles West	2 - 3 Miles West
2 - 3 Miles West	1 - 2 Miles West
1 - 2 Miles West	2 - 3 Miles West
1 - 2 Miles West	1 - 2 Miles East

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

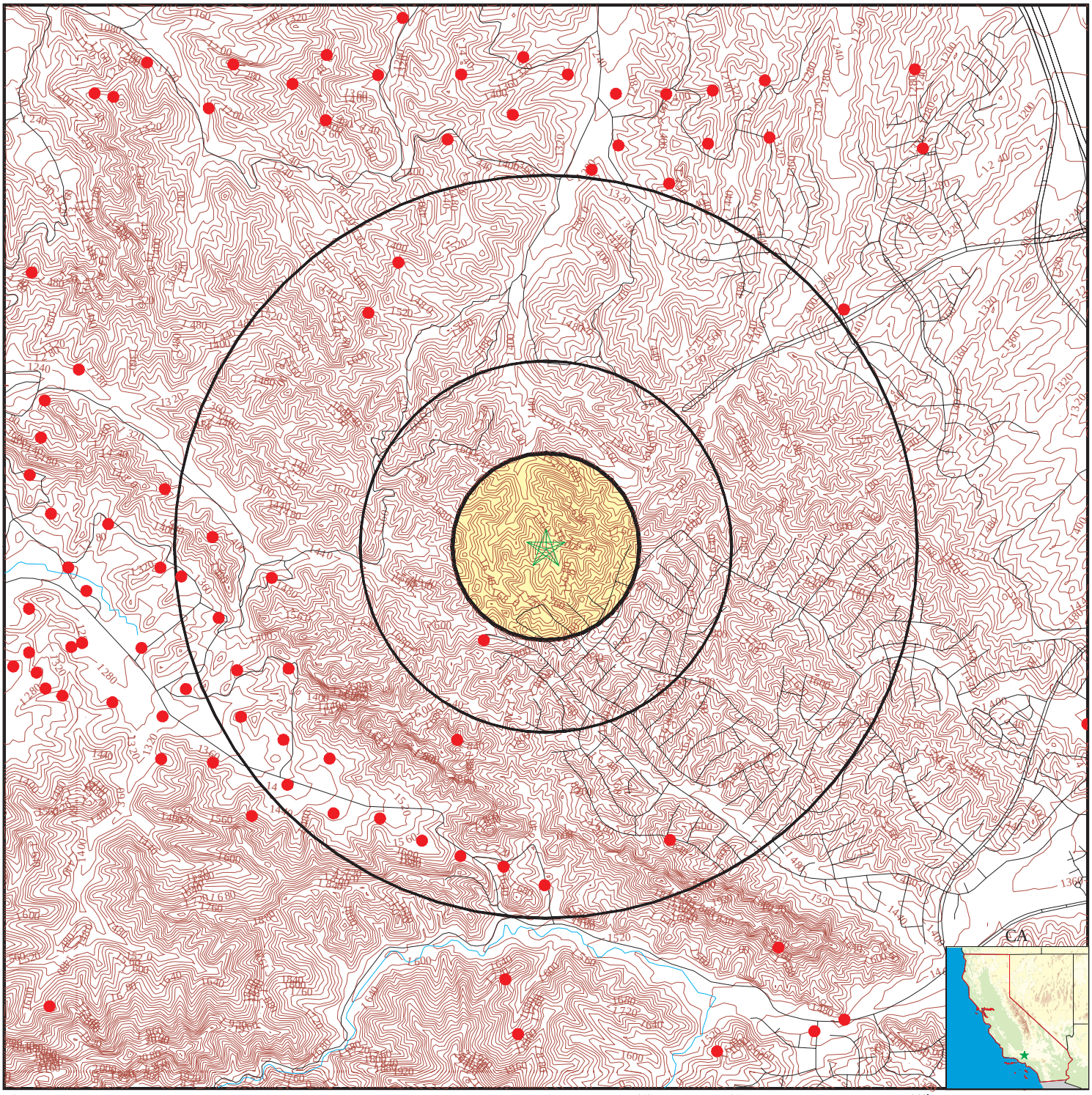
DISTANCE FROM TP (Miles)	DISTANCE FROM TP (Miles)
2 - 3 Miles West	1 - 2 Miles West
1 - 2 Miles West	1 - 2 Miles West
1 - 2 Miles West	2 - 3 Miles West
1 - 2 Miles West	1 - 2 Miles West
1 - 2 Miles West	2 - 3 Miles West
2 - 3 Miles West	1 - 2 Miles West
1/2 - 1 Mile West	1 - 2 Miles West
2 - 3 Miles East	2 - 3 Miles West
2 - 3 Miles West	1 - 2 Miles West
1 - 2 Miles West	1 - 2 Miles West
1 - 2 Miles West	1 - 2 Miles West
1 - 2 Miles West	1/2 - 1 Mile West
1 - 2 Miles West	1/2 - 1 Mile West
1 - 2 Miles West	1 - 2 Miles West
1 - 2 Miles West	1 - 2 Miles West
1 - 2 Miles West	1 - 2 Miles West
1 - 2 Miles West	1/2 - 1 Mile WSW
1 - 2 Miles West	1/4 - 1/2 Mile SSW
1 - 2 Miles WSW	2 - 3 Miles West
1 - 2 Miles West	1 - 2 Miles WSW
1 - 2 Miles WSW	1 - 2 Miles WSW
2 - 3 Miles West	1 - 2 Miles WSW
1/2 - 1 Mile WSW	1/2 - 1 Mile WSW
1 - 2 Miles WSW	1 - 2 Miles WSW
2 - 3 Miles West	1 - 2 Miles WSW
1 - 2 Miles WSW	1 - 2 Miles WSW
1 - 2 Miles WSW	1/2 - 1 Mile WSW
1 - 2 Miles ESE	1/2 - 1 Mile SW
1/2 - 1 Mile SSW	1/2 - 1 Mile SW
1 - 2 Miles WSW	1 - 2 Miles WSW
2 - 3 Miles WSW	1/2 - 1 Mile SW
1/2 - 1 Mile SW	1 - 2 Miles SW
1/2 - 1 Mile SSW	1/2 - 1 Mile SSE
1/2 - 1 Mile SSW	1/2 - 1 Mile SSW
1/2 - 1 Mile South	1/2 - 1 Mile South
2 - 3 Miles WSW	1 - 2 Miles SSE
1 - 2 Miles South	1 - 2 Miles SW
1 - 2 Miles SE	1 - 2 Miles SSE
1 - 2 Miles SSE	1 - 2 Miles South
1 - 2 Miles SSE	2 - 3 Miles SE
1 - 2 Miles SSW	1 - 2 Miles SW
1 - 2 Miles SSE	2 - 3 Miles SE
1 - 2 Miles SSE	2 - 3 Miles SE
1 - 2 Miles SSE	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	1 - 2 Miles SSW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
1 - 2 Miles SSW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SSW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

DISTANCE FROM TP (Miles)	DISTANCE FROM TP (Miles)
2 - 3 Miles SW	2 - 3 Miles SSW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SE
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SSW
1 - 2 Miles SSW	2 - 3 Miles SW
2 - 3 Miles SSW	2 - 3 Miles SSW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SE
2 - 3 Miles SSW	2 - 3 Miles SSW
2 - 3 Miles SW	2 - 3 Miles SW
1 - 2 Miles South	2 - 3 Miles SW
2 - 3 Miles SSW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SSW	2 - 3 Miles SSW
2 - 3 Miles SW	1 - 2 Miles SSW
2 - 3 Miles SSW	2 - 3 Miles SSW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SSW	2 - 3 Miles SW
2 - 3 Miles SSW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SW
2 - 3 Miles SSW	2 - 3 Miles SSW
2 - 3 Miles SSW	2 - 3 Miles SW
2 - 3 Miles SW	2 - 3 Miles SSW
2 - 3 Miles SW	1 - 2 Miles SSE
2 - 3 Miles South	2 - 3 Miles South
2 - 3 Miles South	2 - 3 Miles South
2 - 3 Miles South	2 - 3 Miles South
2 - 3 Miles South	2 - 3 Miles South

PHYSICAL SETTING SOURCE MAP - 1844659.2s



- 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
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	Legacy Village	CLIENT:	Building Analytics
ADDRESS:	Pico Canyon Road/Potrero Canyon Road Valencia CA 91355	CONTACT:	Russ Cote
		INQUIRY #:	1844659.2s
LAT/LONG:	34.3955 / 118.6029	DATE:	January 30, 2007 11:03 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
2 - 3 Miles | **OIL_GAS** | **CA10040420**

Apinumber:	03716534	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	76
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	015
Source:	hud		
Latitude:	34.430373		
Longitude:	-118.60888		
Td:	0	Sec:	13
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNE
2 - 3 Miles | **OIL_GAS** | **CA10040397**

Apinumber:	03716532	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	74
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	015
Source:	hud		
Latitude:	34.430104		
Longitude:	-118.59293		
Td:	0	Sec:	18
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
2 - 3 Miles | **OIL_GAS** | **CA10040385**

Apinumber:	03716531	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	73
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	137
Source:	hud		
Latitude:	34.429852		
Longitude:	-118.596595		
Td:	0	Sec:	18
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
2 - 3 Miles | **OIL_GAS** | **CA10040373**

Apinumber:	03701977	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	66
Field:	Castaic Hills	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.429748		
Longitude:	-118.604609		
Td:	0	Sec:	18
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
2 - 3 Miles | **OIL_GAS** | **CA10040336**

Apinumber:	03716530	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	72
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.429084		
Longitude:	-118.612185		
Td:	0	Sec:	13
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
2 - 3 Miles | **OIL_GAS** | **CA10040310**

Apinumber:	03706299	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	71
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	169
Source:	hud		
Latitude:	34.428699		
Longitude:	-118.601974		
Td:	0	Sec:	18
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NNW
2 - 3 Miles | **OIL_GAS** | **CA10040231**

Apinumber:	03716470	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	65
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	015
Source:	hud		
Latitude:	34.427717		
Longitude:	-118.615676		
Td:	0	Sec:	13
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
2 - 3 Miles | **OIL_GAS** | **CA10040206**

Apinumber:	03700147	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	63
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	015
Source:	hud		
Latitude:	34.427306		
Longitude:	-118.609028		
Td:	0	Sec:	13
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
2 - 3 Miles | **OIL_GAS** | **CA10040181**

Apinumber:	03716525	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	64
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.42696		
Longitude:	-118.612985		
Td:	0	Sec:	13
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
2 - 3 Miles | **OIL_GAS** | **CA10040166**

Apinumber:	03705101	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	60
Field:	Castaic Hills	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.426786		
Longitude:	-118.600438		
Td:	0	Sec:	18
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
2 - 3 Miles | **OIL_GAS** | **CA10040098**

Apinumber:	03716523	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	61
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	015
Source:	hud		
Latitude:	34.425995		
Longitude:	-118.595433		
Td:	0	Sec:	18
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNE
2 - 3 Miles | **OIL_GAS** | **CA10040097**

Apinumber:	03716524	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	62
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	169
Source:	hud		
Latitude:	34.425993		
Longitude:	-118.592227		
Td:	0	Sec:	18
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
2 - 3 Miles | **OIL_GAS** | **CA10040081**

Apinumber:	03716522	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	59
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.425718		
Longitude:	-118.603938		
Td:	0	Sec:	18
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
2 - 3 Miles | **OIL_GAS** | **CA10040079**

Apinumber:	03716521	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	58
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	015
Source:	hud		
Latitude:	34.425693		
Longitude:	-118.617125		
Td:	0	Sec:	13
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039890**

Apinumber:	03716503	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	33
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.422943		
Longitude:	-118.612414		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NNW
2 - 3 Miles | **OIL_GAS** | **CA10039884**

Apinumber:	03706409	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	39
Field:	Castaic Hills	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.422889		
Longitude:	-118.614261		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
1 - 2 Miles | **OIL_GAS** | **CA10039856**

Apinumber:	03716487	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	16
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.422344		
Longitude:	-118.608066		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039848**

Apinumber:	03716507	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	40
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.422263		
Longitude:	-118.609969		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
1 - 2 Miles | **OIL_GAS** | **CA10039844**

Apinumber:	03716504	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	34
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.422208		
Longitude:	-118.604877		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NW
2 - 3 Miles | **OIL_GAS** | **CA10039835**

Apinumber:	03716472	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	1
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.42204		
Longitude:	-118.625317		
Td:	0	Sec:	23
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
2 - 3 Miles | **OIL_GAS** | **CA10039795**

Apinumber:	03716483	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	12
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.421679		
Longitude:	-118.617297		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
1 - 2 Miles | **OIL_GAS** | **CA10039709**

Apinumber:	03716536	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	Newhall Land & Farming	Well no:	52-19
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.420819		
Longitude:	-118.59635		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039586**

Apinumber:	03716498	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	27
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.420239		
Longitude:	-118.614736		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
1 - 2 Miles | **OIL_GAS** | **CA10039580**

Apinumber:	03706300	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	29
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	136
Source:	hud		
Latitude:	34.420225		
Longitude:	-118.600935		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
1 - 2 Miles | **OIL_GAS** | **CA10039579**

Apinumber:	03716488	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	17
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.42022		
Longitude:	-118.606611		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039523**

Apinumber:	03716485	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	14
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.4199		
Longitude:	-118.612093		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNE
1 - 2 Miles | **OIL_GAS** | **CA10039470**

Apinumber:	03721702	Operator:	Dekalb Energy, Inc
Lease:	Newhall Land & Farming Co.	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.419536		
Longitude:	-118.588071		
Td:	0	Sec:	20
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039448**

Apinumber:	03716477	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	6
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.419343		
Longitude:	-118.618768		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
1 - 2 Miles | **OIL_GAS** | **CA10039444**

Apinumber:	03716491	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	20
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.419305		
Longitude:	-118.603759		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039442**

Apinumber:	03716502	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	32
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.4193		
Longitude:	-118.608938		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
1 - 2 Miles | **OIL_GAS** | **CA10039417**

Apinumber:	03716505	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	35
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.419067		
Longitude:	-118.59833		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NW
2 - 3 Miles | **OIL_GAS** | **CA10039409**

Apinumber:	03716481	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	10
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.418972		
Longitude:	-118.622942		
Td:	0	Sec:	23
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039406**

Apinumber:	03716496	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	25
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.41895		
Longitude:	-118.618369		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039343**

Apinumber:	03716479	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	8
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.418401		
Longitude:	-118.616208		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NW
2 - 3 Miles | **OIL_GAS** | **CA10039303**

Apinumber:	03716519	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	56
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	015
Source:	hud		
Latitude:	34.418097		
Longitude:	-118.625511		
Td:	0	Sec:	23
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
1 - 2 Miles | **OIL_GAS** | **CA10039299**

Apinumber:	03716484	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	13
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.418069		
Longitude:	-118.607116		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NW
2 - 3 Miles | **OIL_GAS** | **CA10039271**

Apinumber:	03716512	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	46
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.417857		
Longitude:	-118.625595		
Td:	0	Sec:	23
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NW
1 - 2 Miles | **OIL_GAS** | **CA10039266**

Apinumber:	03716509	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	42
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	024
Source:	hud		
Latitude:	34.417819		
Longitude:	-118.621121		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039247**

Apinumber:	03716474	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	3
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.41769		
Longitude:	-118.619161		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance — Database — EDR ID Number

North
1 - 2 Miles — **OIL_GAS** — **CA10039228**

Apinumber:	03716492	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	21
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.4175		
Longitude:	-118.602317		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NW
2 - 3 Miles — **OIL_GAS** — **CA10039212**

Apinumber:	03716516	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	52
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	137
Source:	hud		
Latitude:	34.417322		
Longitude:	-118.627121		
Td:	0	Sec:	23
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles — **OIL_GAS** — **CA10039205**

Apinumber:	03716486	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	15
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.417226		
Longitude:	-118.610494		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NW
2 - 3 Miles | **OIL_GAS** | **CA10039199**

Apinumber:	03716520	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	57
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	007
Source:	hud		
Latitude:	34.417166		
Longitude:	-118.629478		
Td:	0	Sec:	23
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039181**

Apinumber:	03716497	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	26
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.416961		
Longitude:	-118.613448		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNE
1 - 2 Miles | **OIL_GAS** | **CA10039176**

Apinumber:	03724219	Operator:	Ivanhoe Energy USA Inc.
Lease:	N.L.&F. Magic Mountain	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	001
Source:	gps		
Latitude:	34.416807		
Longitude:	-118.586328		
Td:	0	Sec:	20
Twn:	4N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
1 - 2 Miles | **OIL_GAS** | **CA10039172**

Apinumber:	03716475	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	4
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.416748		
Longitude:	-118.604866		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNE
1 - 2 Miles | **OIL_GAS** | **CA10039169**

Apinumber:	03706353	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	36
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.41673		
Longitude:	-118.594291		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
1 - 2 Miles | **OIL_GAS** | **CA10039168**

Apinumber:	03716501	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	31
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	015
Source:	hud		
Latitude:	34.41672		
Longitude:	-118.598237		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039135**

Apinumber:	03716478	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	7
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.416152		
Longitude:	-118.60873		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039088**

Apinumber:	03716476	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	5
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.414706		
Longitude:	-118.612305		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
1 - 2 Miles | **OIL_GAS** | **CA10039085**

Apinumber:	03716490	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	19
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.414621		
Longitude:	-118.603049		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NW
1 - 2 Miles | **OIL_GAS** | **CA10039079**

Apinumber:	03716489	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	18
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.414409		
Longitude:	-118.620771		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039075**

Apinumber:	03716494	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	23
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.414335		
Longitude:	-118.616708		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NE
1 - 2 Miles | **OIL_GAS** | **CA10039072**

Apinumber:	03722744	Operator:	Quintana Petroleum Corp
Lease:	N. L. & F.-Valencia	Well no:	2
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	gps		
Latitude:	34.414146		
Longitude:	-118.584595		
Td:	0	Sec:	20
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
1 - 2 Miles | **OIL_GAS** | **CA10039064**

Apinumber:	03716499	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	28
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.413946		
Longitude:	-118.600944		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
1 - 2 Miles | **OIL_GAS** | **CA10039063**

Apinumber:	03716495	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	24
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.413945		
Longitude:	-118.605969		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039062**

Apinumber:	03706359	Operator:	Exxon Mobil Corp
Lease:	Newhall Corporation	Well no:	1
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.413921		
Longitude:	-118.609888		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NNE
1 - 2 Miles | **OIL_GAS** | **CA10039054**

Apinumber:	03706354	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	44
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	137
Source:	hud		
Latitude:	34.413716		
Longitude:	-118.591661		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039048**

Apinumber:	03716482	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	11
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.413576		
Longitude:	-118.613921		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNE
1 - 2 Miles | **OIL_GAS** | **CA10039044**

Apinumber:	03716506	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	38
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	015
Source:	hud		
Latitude:	34.41332		
Longitude:	-118.594122		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NW
1 - 2 Miles | **OIL_GAS** | **CA10039043**

Apinumber:	03722728	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	78
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	006
Source:	hud		
Latitude:	34.413208		
Longitude:	-118.623247		
Td:	0	Sec:	23
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
1 - 2 Miles | **OIL_GAS** | **CA10039042**

Apinumber:	03716500	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	30
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.413191		
Longitude:	-118.598683		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNE
1 - 2 Miles | **OIL_GAS** | **CA10039041**

Apinumber:	03713506	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	37
Field:	Castaic Hills	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.413175		
Longitude:	-118.596309		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NW
1 - 2 Miles | **OIL_GAS** | **CA10039037**

Apinumber:	03706358	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	53
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.41307		
Longitude:	-118.622358		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NW
1 - 2 Miles | **OIL_GAS** | **CA10039022**

Apinumber:	03716493	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	22
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.412628		
Longitude:	-118.617868		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
1 - 2 Miles | **OIL_GAS** | **CA10039009**

Apinumber:	03716508	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	41
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.412374		
Longitude:	-118.603543		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NNW
1 - 2 Miles | **OIL_GAS** | **CA10039002**

Apinumber:	03716471	Operator:	Exxon Mobil Corp
Lease:	Newhall Corporation	Well no:	2
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	006
Source:	hud		
Latitude:	34.412161		
Longitude:	-118.612355		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNE
1 - 2 Miles | **OIL_GAS** | **CA10038981**

Apinumber:	03713527	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	51
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.411481		
Longitude:	-118.591446		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1 - 2 Miles | **OIL_GAS** | **CA10038979**

Apinumber:	03706298	Operator:	Exxon Mobil Corp
Lease:	Newhall Corporation	Well no:	3
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.411406		
Longitude:	-118.606614		
Td:	0	Sec:	24
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

NNE
1 - 2 Miles | **OIL_GAS** | **CA10038968**

Apinumber:	03716510	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	43
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.411242		
Longitude:	-118.594341		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

North
1 - 2 Miles | **OIL_GAS** | **CA10038967**

Apinumber:	03716513	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	48
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.411173		
Longitude:	-118.598564		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NE
1 - 2 Miles | **OIL_GAS** | **CA10038964**

Apinumber:	03722736	Operator:	Quintana Petroleum Corp
Lease:	N. L. & F.-Valencia	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	gps		
Latitude:	34.411058		
Longitude:	-118.584215		
Td:	11744	Sec:	20
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

North
1 - 2 Miles | **OIL_GAS** | **CA10038941**

Apinumber:	03716514	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	49
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.410224		
Longitude:	-118.599815		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

ENE
2 - 3 Miles | **OIL_GAS** | **CA10038931**

Apinumber:	03706047	Operator:	Mobil Oil Corp
Lease:	N. L. & F.	Well no:	48-21
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.409885		
Longitude:	-118.56418		
Td:	0	Sec:	21
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNE
1 - 2 Miles | **OIL_GAS** | **CA10038922**

Apinumber:	03706355	Operator:	Exxon Mobil Corp
Lease:	Newhall Land & Farming Co.	Well no:	47
Field:	Castaic Junction	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.409683		
Longitude:	-118.59617		
Td:	0	Sec:	19
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038877**

Apinumber:	03712889	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	135
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.407666		
Longitude:	-118.640469		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038865**

Apinumber:	03710658	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	148
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	hud		
Latitude:	34.407216		
Longitude:	-118.631878		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038858**

Apinumber:	03712656	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	154
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.406719		
Longitude:	-118.641473		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038857**

Apinumber:	03712897	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	144
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.40671		
Longitude:	-118.636999		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NNW
1/2 - 1 Mile | **OIL_GAS** | **CA10038855**

Apinumber:	03706028	Operator:	Oryx Energy Co.
Lease:	Sunray-McCulloch NCS	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	253	Status cod:	006
Source:	hud		
Latitude:	34.406603		
Longitude:	-118.608929		
Td:	0	Sec:	25
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038843**

Apinumber:	03712657	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	155
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.406209		
Longitude:	-118.626209		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038840**

Apinumber:	03712894	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	141
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.406106		
Longitude:	-118.635753		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038825**

Apinumber:	03712879	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	125
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	hud		
Latitude:	34.405673		
Longitude:	-118.636915		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038815**

Apinumber:	03713297	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	119
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.405517		
Longitude:	-118.641075		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038806**

Apinumber:	03712900	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	147
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	036
Source:	hud		
Latitude:	34.405297		
Longitude:	-118.629468		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NE
1 - 2 Miles | **OIL_GAS** | **CA10038788**

Apinumber:	03705418	Operator:	General Exploration Co of Ca
Lease:	N. L. & F.	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.404767		
Longitude:	-118.587934		
Td:	12478	Sec:	29
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

NW
1/2 - 1 Mile | **OIL_GAS** | **CA10038783**

Apinumber:	03705637	Operator:	MCOR Oil and Gas Corporation
Lease:	McCulloch NC	Well no:	1
Field:	Hasley Canyon	Cagaso m3 area:	Any Area
Map:	253	Status cod:	006
Source:	hud		
Latitude:	34.404634		
Longitude:	-118.610344		
Td:	0	Sec:	25
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038778**

Apinumber:	03712891	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	138
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.404547		
Longitude:	-118.641614		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038774**

Apinumber:	03713299	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	122
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.404512		
Longitude:	-118.636707		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038763**

Apinumber:	03713287	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	108
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.404088		
Longitude:	-118.642325		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038761**

Apinumber:	03712871	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	59
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.403982		
Longitude:	-118.639738		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038759**

Apinumber:	03712886	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	132
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	067
Source:	hud		
Latitude:	34.403961		
Longitude:	-118.631592		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038753**

Apinumber:	03713291	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	112
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	036
Source:	hud		
Latitude:	34.40381		
Longitude:	-118.642229		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038751**

Apinumber:	03712861	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	48
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.403796		
Longitude:	-118.641751		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038749**

Apinumber:	03712859	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	46
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.403691		
Longitude:	-118.643456		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038746**

Apinumber:	03712896	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	143
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.403648		
Longitude:	-118.628378		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038740**

Apinumber:	03713254	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	75
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.403439		
Longitude:	-118.639869		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038736**

Apinumber:	03712885	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	131
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.403208		
Longitude:	-118.644255		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038733**

Apinumber:	03713277	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	97
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	036
Source:	hud		
Latitude:	34.403133		
Longitude:	-118.637277		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038729**

Apinumber:	03712883	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	129
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.403048		
Longitude:	-118.63934		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038728**

Apinumber:	03713298	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	120
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.402999		
Longitude:	-118.641292		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038713**

Apinumber:	03713245	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	65
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.402591		
Longitude:	-118.636464		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038712**

Apinumber:	03712640	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	21
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.402572		
Longitude:	-118.642547		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038710**

Apinumber:	03712865	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	52
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	gps		
Latitude:	34.402563		
Longitude:	-118.638775		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038705**

Apinumber:	03712866	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	54
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.402443		
Longitude:	-118.640932		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038704**

Apinumber:	03713251	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	72
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.402442		
Longitude:	-118.639266		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038702**

Apinumber:	03712618	Operator:	Oryx Energy Co.
Lease:	Newhall Corp.-Wolfson	Well no:	6-7
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.402421		
Longitude:	-118.623989		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038696**

Apinumber:	03712775	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	44
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.402229		
Longitude:	-118.640391		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
2 - 3 Miles | **OIL_GAS** | **CA10038693**

Apinumber:	03712636	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	17
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.402171		
Longitude:	-118.644209		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038686**

Apinumber:	03713281	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	101
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	016
Source:	gps		
Latitude:	34.402087		
Longitude:	-118.643581		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038682**

Apinumber:	03713263	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	84
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.402023		
Longitude:	-118.632798		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038673**

Apinumber:	03713294	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	115
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.401919		
Longitude:	-118.636922		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038670**

Apinumber:	03713288	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	109
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.401907		
Longitude:	-118.633455		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038640**

Apinumber:	03712652	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	150
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.401304		
Longitude:	-118.644709		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038638**

Apinumber:	03712880	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	126
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.401294		
Longitude:	-118.636619		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
2 - 3 Miles | **OIL_GAS** | **CA10038639**

Apinumber:	03712882	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	128
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.401294		
Longitude:	-118.636619		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038633**

Apinumber:	03712613	Operator:	Oryx Energy Co.
Lease:	Newhall Corp.-Wolfson	Well no:	1
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	006
Source:	hud		
Latitude:	34.401215		
Longitude:	-118.625593		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
2 - 3 Miles | **OIL_GAS** | **CA10038617**

Apinumber:	03700700	Operator:	Southern Ca Gas Co
Lease:	Porter	Well no:	11
Field:	Aliso Canyon	Cagaso m3 area:	Any Area
Map:	254	Status cod:	014
Source:	gps		
Latitude:	34.400866		
Longitude:	-118.640321		
Td:	0	Sec:	27
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038616**

Apinumber:	03700070	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	53
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.400861		
Longitude:	-118.640327		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038607**

Apinumber:	03712869	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	57
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.400633		
Longitude:	-118.633068		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
2 - 3 Miles | **OIL_GAS** | **CA10038605**

Apinumber:	03712632	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	13
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.400556		
Longitude:	-118.641637		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038603**

Apinumber:	03713296	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	118
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	016
Source:	gps		
Latitude:	34.40054		
Longitude:	-118.639278		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038602**

Apinumber:	03713259	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	80
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.400539		
Longitude:	-118.631762		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
2 - 3 Miles | **OIL_GAS** | **CA10038595**

Apinumber:	03712627	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	8
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.400424		
Longitude:	-118.639481		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

East
1 - 2 Miles | **OIL_GAS** | **CA10038593**

Apinumber:	03705419	Operator:	General Exploration Co of Ca
Lease:	N. L. & F.	Well no:	2
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.400419		
Longitude:	-118.567664		
Td:	11503	Sec:	28
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038585**

Apinumber:	03712634	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	15
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.400228		
Longitude:	-118.637345		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038581**

Apinumber:	03712863	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	50
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.400173		
Longitude:	-118.635511		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038569**

Apinumber:	03713264	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	85
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.400023		
Longitude:	-118.62779		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038565**

Apinumber:	03713300	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	123
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.399862		
Longitude:	-118.633137		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038562**

Apinumber:	03712873	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	61
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.399819		
Longitude:	-118.633035		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WNW
1 - 2 Miles | **OIL_GAS** | **CA10038559**

Apinumber:	03712614	Operator:	Oryx Energy Co.
Lease:	Newhall Corp.-Wolfson	Well no:	2-7
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.399762		
Longitude:	-118.625771		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038540**

Apinumber:	03713284	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	105
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.399448		
Longitude:	-118.636502		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
2 - 3 Miles | **OIL_GAS** | **CA10038516**

Apinumber:	03713275	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	95
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.399072		
Longitude:	-118.644607		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038512**

Apinumber:	03712348	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	69
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.398984		
Longitude:	-118.633808		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038509**

Apinumber:	03712637	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	18
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.398948		
Longitude:	-118.634301		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
2 - 3 Miles | **OIL_GAS** | **CA10038506**

Apinumber:	03712648	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	30
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.398936		
Longitude:	-118.643101		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038505**

Apinumber:	03712635	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	16
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.398929		
Longitude:	-118.643061		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

East
2 - 3 Miles | **OIL_GAS** | **CA10038491**

Apinumber:	03705981	Operator:	Valencia Company
Lease:	Newhall Land & Farming 13	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.398629		
Longitude:	-118.563692		
Td:	11971	Sec:	28
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038489**

Apinumber:	03712630	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	11
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.398612		
Longitude:	-118.635003		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038488**

Apinumber:	03713269	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	90
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.398595		
Longitude:	-118.642029		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038487**

Apinumber:	03712867	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	55
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	134
Source:	hud		
Latitude:	34.398571		
Longitude:	-118.630682		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
2 - 3 Miles | **OIL_GAS** | **CA10038484**

Apinumber:	03713253	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	74
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	016
Source:	gps		
Latitude:	34.398526		
Longitude:	-118.638882		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038479**

Apinumber:	03712624	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	5
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.398424		
Longitude:	-118.637341		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038476**

Apinumber:	03713258	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	79
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.398406		
Longitude:	-118.62866		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038470**

Apinumber:	03713262	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	83
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.398303		
Longitude:	-118.626304		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038469**

Apinumber:	03712625	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	6
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.398284		
Longitude:	-118.639583		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038453**

Apinumber:	03712615	Operator:	Oryx Energy Co.
Lease:	Newhall Corp.-Wolfson	Well no:	3-5
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.397752		
Longitude:	-118.619935		
Td:	0	Sec:	25
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

East
1 - 2 Miles | **OIL_GAS** | **CA10038436**

Apinumber:	03705481	Operator:	Holbrook Petroleum Corporatio
Lease:	Broughton	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.397355		
Longitude:	-118.568017		
Td:	0	Sec:	28
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038430**

Apinumber:	03712626	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	7
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.397146		
Longitude:	-118.640867		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038429**

Apinumber:	03712623	Operator:	Oryx Energy Co.
Lease:	Ranch San Francisco	Well no:	4
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.397141		
Longitude:	-118.635448		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038428**

Apinumber:	03712629	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	10
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.397136		
Longitude:	-118.634323		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038427**

Apinumber:	03713272	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	92
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.397116		
Longitude:	-118.635856		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038425**

Apinumber:	03713252	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	73
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.396996		
Longitude:	-118.627763		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
2 - 3 Miles | **OIL_GAS** | **CA10038424**

Apinumber:	03712628	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	9
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.396931		
Longitude:	-118.641918		
Td:	0	Sec:	27
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038420**

Apinumber:	03713279	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	99
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.396791		
Longitude:	-118.625297		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038419**

Apinumber:	03712872	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	60
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.396745		
Longitude:	-118.628691		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038417**

Apinumber:	03712864	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	51
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.396733		
Longitude:	-118.630947		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038415**

Apinumber:	03712884	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	130
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.396707		
Longitude:	-118.641425		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038414**

Apinumber:	03712620	Operator:	Oryx Energy Co.
Lease:	Ranch San Francisco	Well no:	1
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.396683		
Longitude:	-118.637431		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038403**

Apinumber:	03713267	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	88
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	036
Source:	gps		
Latitude:	34.396382		
Longitude:	-118.622601		
Td:	0	Sec:	25
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1/2 - 1 Mile | **OIL_GAS** | **CA10038391**

Apinumber:	03712616	Operator:	Oryx Energy Co.
Lease:	Newhall Corp.-Wolfson	Well no:	4-5
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.395879		
Longitude:	-118.617688		
Td:	0	Sec:	25
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038385**

Apinumber:	03712633	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	14
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.39575		
Longitude:	-118.63222		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

East
2 - 3 Miles | **OIL_GAS** | **CA10038381**

Apinumber:	03706044	Operator:	Mobil Oil Corp
Lease:	N. L. & F.	Well no:	2
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.395652		
Longitude:	-118.559791		
Td:	9965	Sec:	28
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038375**

Apinumber:	03713280	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	100
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.395515		
Longitude:	-118.639225		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038372**

Apinumber:	03712631	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	12
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.395494		
Longitude:	-118.638595		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038368**

Apinumber:	03712621	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	2
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.395341		
Longitude:	-118.634293		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038362**

Apinumber:	03713266	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	87
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.395237		
Longitude:	-118.635826		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038343**

Apinumber:	03712622	Operator:	Oryx Energy Co.
Lease:	Ranch San Francisco	Well no:	3
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.39486		
Longitude:	-118.635153		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038330**

Apinumber:	03713257	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	78
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.394692		
Longitude:	-118.624488		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038329**

Apinumber:	03713270	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	91
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	006
Source:	gps		
Latitude:	34.394684		
Longitude:	-118.620143		
Td:	0	Sec:	25
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038326**

Apinumber:	03712857	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	43
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.39459		
Longitude:	-118.628831		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1/2 - 1 Mile | **OIL_GAS** | **CA10038308**

Apinumber:	03713271	Operator:	Oryx Energy Co.
Lease:	Ranch San Francisco	Well no:	91-A
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.394339		
Longitude:	-118.619154		
Td:	0	Sec:	25
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038305**

Apinumber:	03713273	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	93
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.394332		
Longitude:	-118.629359		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1/2 - 1 Mile | **OIL_GAS** | **CA10038303**

Apinumber:	03712617	Operator:	Oryx Energy Co.
Lease:	Newhall Corp.-Wolfson	Well no:	5-5
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.394288		
Longitude:	-118.614897		
Td:	0	Sec:	25
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038272**

Apinumber:	03713260	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	81
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.393841		
Longitude:	-118.632268		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038265**

Apinumber:	03713256	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	77
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.393777		
Longitude:	-118.623634		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038248**

Apinumber:	03712651	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	149
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.39356		
Longitude:	-118.634695		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038222**

Apinumber:	03712848	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	34
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.393161		
Longitude:	-118.633157		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038219**

Apinumber:	03712850	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	36
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.39311		
Longitude:	-118.630378		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038218**

Apinumber:	03712851	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	37
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.393077		
Longitude:	-118.626334		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038210**

Apinumber:	03712649	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	31
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.392956		
Longitude:	-118.628634		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
1/2 - 1 Mile | **OIL_GAS** | **CA10038189**

Apinumber:	03713276	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	96
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.392724		
Longitude:	-118.617399		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
1 - 2 Miles | **OIL_GAS** | **CA10038149**

Apinumber:	03712653	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	151
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.392125		
Longitude:	-118.630941		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SSW
1/4 - 1/2 Mile | **OIL_GAS** | **CA10038121**

Apinumber:	03705900	Operator:	Shell Western E. & P. Inc.
Lease:	Shell Ferguson	Well no:	2-7
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.391848		
Longitude:	-118.604901		
Td:	12464	Sec:	31
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
1 - 2 Miles | **OIL_GAS** | **CA10038114**

Apinumber:	03712892	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	139
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.391739		
Longitude:	-118.623834		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038110**

Apinumber:	03712877	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	64
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.391716		
Longitude:	-118.640932		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

West
1 - 2 Miles | **OIL_GAS** | **CA10038108**

Apinumber:	03713268	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	89
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.391685		
Longitude:	-118.628591		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
1 - 2 Miles | **OIL_GAS** | **CA10038098**

Apinumber:	03712853	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	39
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	136
Source:	hud		
Latitude:	34.391584		
Longitude:	-118.624342		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
1 - 2 Miles | **OIL_GAS** | **CA10038095**

Apinumber:	03713255	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	76
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.391547		
Longitude:	-118.621033		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WSW
1 - 2 Miles | **OIL_GAS** | **CA10038080**

Apinumber:	03712852	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	38
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.391367		
Longitude:	-118.626333		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10038073**

Apinumber:	03720085	Operator:	Union Oil Co of Ca
Lease:	R.S.F.	Well no:	1
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	006
Source:	hud		
Latitude:	34.391242		
Longitude:	-118.645217		
Td:	0	Sec:	34
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
1 - 2 Miles | **OIL_GAS** | **CA10038054**

Apinumber:	03712654	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	152
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.390825		
Longitude:	-118.627076		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WSW
1/2 - 1 Mile | **OIL_GAS** | **CA10038045**

Apinumber:	03712612	Operator:	Medallion Calif Prpts Co
Lease:	Ferguson	Well no:	10
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.39074		
Longitude:	-118.614101		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
1/2 - 1 Mile | **OIL_GAS** | **CA10038040**

Apinumber:	03713285	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	106
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.390675		
Longitude:	-118.61653		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
1 - 2 Miles | **OIL_GAS** | **CA10038028**

Apinumber:	03712655	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	153
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.390584		
Longitude:	-118.625977		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WSW
1 - 2 Miles | **OIL_GAS** | **CA10037984**

Apinumber:	03712847	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	33
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.389962		
Longitude:	-118.625557		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

West
2 - 3 Miles | **OIL_GAS** | **CA10037983**

Apinumber:	03713250	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	71
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.389942		
Longitude:	-118.637396		
Td:	0	Sec:	26
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
1 - 2 Miles | **OIL_GAS** | **CA10037982**

Apinumber:	03713249	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	70
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.389942		
Longitude:	-118.618943		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WSW
1 - 2 Miles | **OIL_GAS** | **CA10037959**

Apinumber:	03713274	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	94
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.389677		
Longitude:	-118.624757		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
1 - 2 Miles | **OIL_GAS** | **CA10037947**

Apinumber:	03712854	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	40
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.389424		
Longitude:	-118.622402		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
1 - 2 Miles | **OIL_GAS** | **CA10037899**

Apinumber:	03712849	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	35
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.388871		
Longitude:	-118.620041		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WSW
1/2 - 1 Mile | **OIL_GAS** | **CA10037897**

Apinumber:	03713247	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	68
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.388859		
Longitude:	-118.616344		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

ESE
1 - 2 Miles | **OIL_GAS** | **CA10037865**

Apinumber:	03705208	Operator:	Big 4 Oil Company
Lease:	Brona	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.388574		
Longitude:	-118.576465		
Td:	0	Sec:	32
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
1/2 - 1 Mile | **OIL_GAS** | **CA10037812**

Apinumber:	03712605	Operator:	Medallion Calif Prpts Co
Lease:	Ferguson	Well no:	3
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.387961		
Longitude:	-118.614344		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SSW
1/2 - 1 Mile | **OIL_GAS** | **CA10037811**

Apinumber:	03712602	Operator:	Shell Oil Co.
Lease:	Shell Ferguson	Well no:	1-7
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	007
Source:	hud		
Latitude:	34.387958		
Longitude:	-118.606161		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
1/2 - 1 Mile | **OIL_GAS** | **CA10037761**

Apinumber:	03712606	Operator:	Medallion Calif Prpts Co
Lease:	Ferguson	Well no:	4
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.387225		
Longitude:	-118.612171		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
1 - 2 Miles | **OIL_GAS** | **CA10037759**

Apinumber:	03712862	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	49
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.387209		
Longitude:	-118.620106		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

WSW
1 - 2 Miles | **OIL_GAS** | **CA10037751**

Apinumber:	03712856	Operator:	Medallion Calif Prpts Co
Lease:	Rancho San Francisco	Well no:	42
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.387072		
Longitude:	-118.61767		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
2 - 3 Miles | **OIL_GAS** | **CA10037697**

Apinumber:	03706026	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	117
Field:	Hasley Canyon	Cagaso m3 area:	Any Area
Map:	253	Status cod:	006
Source:	hud		
Latitude:	34.386208		
Longitude:	-118.641376		
Td:	0	Sec:	34
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
1/2 - 1 Mile | **OIL_GAS** | **CA10037696**

Apinumber:	03712603	Operator:	Medallion Calif Prpts Co
Lease:	Ferguson	Well no:	1
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.386202		
Longitude:	-118.614156		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
1/2 - 1 Mile | **OIL_GAS** | **CA10037613**

Apinumber:	03712604	Operator:	Medallion Calif Prpts Co
Lease:	Ferguson	Well no:	2
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	gps		
Latitude:	34.385085		
Longitude:	-118.611985		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
1 - 2 Miles | **OIL_GAS** | **CA10037596**

Apinumber:	03712650	Operator:	Oryx Energy Co.
Lease:	Rancho San Francisco	Well no:	32
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	014
Source:	hud		
Latitude:	34.384984		
Longitude:	-118.615835		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
1/2 - 1 Mile | **OIL_GAS** | **CA10037585**

Apinumber:	03712607	Operator:	Medallion Calif Prpts Co
Lease:	Ferguson	Well no:	5
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.38489		
Longitude:	-118.609797		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SSE
1/2 - 1 Mile | **OIL_GAS** | **CA10037521**

Apinumber:	03705908	Operator:	Phillips Oil Company
Lease:	The Newhall Corporation	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.384047		
Longitude:	-118.596134		
Td:	9906	Sec:	31
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
1/2 - 1 Mile | **OIL_GAS** | **CA10037515**

Apinumber:	03712608	Operator:	Medallion Calif Prpts Co
Lease:	Ferguson	Well no:	6
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	253	Status cod:	008
Source:	gps		
Latitude:	34.384018		
Longitude:	-118.607815		
Td:	0	Sec:	36
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
1/2 - 1 Mile | **OIL_GAS** | **CA10037469**

Apinumber:	03712609	Operator:	Medallion Calif Prpts Co
Lease:	Ferguson	Well no:	7-2
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	252	Status cod:	036
Source:	gps		
Latitude:	34.383417		
Longitude:	-118.606004		
Td:	0	Sec:	31
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

South
1/2 - 1 Mile | **OIL_GAS** | **CA10037414**

Apinumber:	03712610	Operator:	Medallion Calif Prpts Co
Lease:	Ferguson	Well no:	8
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	252	Status cod:	008
Source:	gps		
Latitude:	34.383004		
Longitude:	-118.603977		
Td:	0	Sec:	31
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

South
1/2 - 1 Mile | **OIL_GAS** | **CA10037351**

Apinumber:	03712611	Operator:	Medallion Calif Prpts Co
Lease:	Ferguson	Well no:	9-2
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	252	Status cod:	052
Source:	gps		
Latitude:	34.38228		
Longitude:	-118.60204		
Td:	0	Sec:	31
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

WSW
2 - 3 Miles | **OIL_GAS** | **CA10037336**

Apinumber:	03706023	Operator:	Oryx Energy Co.
Lease:	N. L. & F.	Well no:	A-1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	253	Status cod:	006
Source:	hud		
Latitude:	34.382092		
Longitude:	-118.640247		
Td:	0	Sec:	35
Twn:	04N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SSE
1 - 2 Miles | **OIL_GAS** | **CA10037147**

Apinumber:	03706193	Operator:	Union Oil Co of Ca
Lease:	Union-Ferguson	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	252	Status cod:	006
Source:	hud		
Latitude:	34.379844		
Longitude:	-118.591022		
Td:	0	Sec:	31
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

South
1 - 2 Miles | **OIL_GAS** | **CA10037096**

Apinumber:	03712601	Operator:	Downey Oil Corporation
Lease:	Well No.	Well no:	1
Field:	Newhall-Potrero	Cagaso m3 area:	Any Area
Map:	252	Status cod:	014
Source:	hud		
Latitude:	34.378604		
Longitude:	-118.60389		
Td:	0	Sec:	31
Twn:	04N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
1 - 2 Miles | **OIL_GAS** | **CA10037044**

Apinumber:	03713074	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	Newhall Land & Farming Co.	Well no:	7-1
Field:	Newhall	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.377547		
Longitude:	-118.625364		
Td:	9327	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SE
1 - 2 Miles | **OIL_GAS** | **CA10037038**

Apinumber:	03706027	Operator:	Oryx Energy Co.
Lease:	SMC-McCulloch-Wilson	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.37744		
Longitude:	-118.57915		
Td:	6000	Sec:	5
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSE
1 - 2 Miles | **OIL_GAS** | **CA10037024**

Apinumber:	03712816	Operator:	H. H. Lecain
Lease:	Core Hole	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	002
Source:	hud		
Latitude:	34.377028		
Longitude:	-118.587912		
Td:	468	Sec:	5
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSE
1 - 2 Miles | **OIL_GAS** | **CA10037000**

Apinumber:	03705428	Operator:	P.M. Girard
Lease:	Fisher-Wosk	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.376574		
Longitude:	-118.589328		
Td:	7852	Sec:	6
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

South
1 - 2 Miles | **OIL_GAS** | **CA10036998**

Apinumber:	03705406	Operator:	N.M. Fraser
Lease:	Gerard	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	W 1-2	Status cod:	006
Source:	hud		
Latitude:	34.376463		
Longitude:	-118.603294		
Td:	960	Sec:	6
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSE
1 - 2 Miles | **OIL_GAS** | **CA10036955**

Apinumber:	03705378	Operator:	Electrological Petroleum Corp
Lease:	Overman	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.375787		
Longitude:	-118.593913		
Td:	0	Sec:	6
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SE
2 - 3 Miles | **OIL_GAS** | **CA10036906**

Apinumber:	03720942	Operator:	Lyon Canyon Oil Corporation
Lease:	Well No.	Well no:	24X-4
Field:	Lyon Canyon	Cagaso m3 area:	Any Area
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.374714		
Longitude:	-118.568978		
Td:	0	Sec:	4
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SSW
1 - 2 Miles | **OIL_GAS** | **CA10036786**

Apinumber:	03712904	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	30
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.373524		
Longitude:	-118.618019		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
1 - 2 Miles | **OIL_GAS** | **CA10036749**

Apinumber:	03712913	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	40
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.373246		
Longitude:	-118.623743		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSE
1 - 2 Miles | **OIL_GAS** | **CA10036696**

Apinumber:	03702084	Operator:	Monterey Resources, Inc
Lease:	Sanborn	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.37273		
Longitude:	-118.592075		
Td:	0	Sec:	6
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SE
2 - 3 Miles | **OIL_GAS** | **CA10036684**

Apinumber:	03720921	Operator:	Macpet
Lease:	Blinn	Well no:	86X-5
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.372633		
Longitude:	-118.573527		
Td:	10500	Sec:	5
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSE
1 - 2 Miles | **OIL_GAS** | **CA10036660**

Apinumber:	03705712	Operator:	Mutal Development Corporation
Lease:	Sanborn	Well no:	2
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.372397		
Longitude:	-118.592239		
Td:	6421	Sec:	6
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SE
2 - 3 Miles | **OIL_GAS** | **CA10036633**

Apinumber:	03720815	Operator:	Lyon Canyon Oil Corporation
Lease:	Well No.	Well no:	26X-4
Field:	Lyon Canyon	Cagaso m3 area:	Any Area
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.372131		
Longitude:	-118.569046		
Td:	0	Sec:	4
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SSE
1 - 2 Miles | **OIL_GAS** | **CA10036620**

Apinumber:	03705711	Operator:	Mutal Development Corporation
Lease:	Sanborn	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.371993		
Longitude:	-118.590329		
Td:	6421	Sec:	6
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036614**

Apinumber:	03724203	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	38
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.371933		
Longitude:	-118.623524		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036603**

Apinumber:	03712911	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	37
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.371841		
Longitude:	-118.622758		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036592**

Apinumber:	03713082	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	7
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.371788		
Longitude:	-118.622946		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036574**

Apinumber:	03713022	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	20A
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.371584		
Longitude:	-118.62804		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036572**

Apinumber:	03713010	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	9
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.371573		
Longitude:	-118.626924		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036568**

Apinumber:	03713021	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	20
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.37155		
Longitude:	-118.627871		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
1 - 2 Miles | **OIL_GAS** | **CA10036567**

Apinumber:	03713087	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	12
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.37153		
Longitude:	-118.619469		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036551**

Apinumber:	03713035	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	102
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.371375		
Longitude:	-118.627974		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036540**

Apinumber:	03713096	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	22
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.371232		
Longitude:	-118.625719		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036534**

Apinumber:	03712920	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	Star	Well no:	1
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.371176		
Longitude:	-118.629214		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036532**

Apinumber:	03713097	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	23
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.371153		
Longitude:	-118.624413		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SSW
1 - 2 Miles | **OIL_GAS** | **CA10036523**

Apinumber:	03713085	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	10
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.371108		
Longitude:	-118.620243		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036507**

Apinumber:	03713028	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	26
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.37098		
Longitude:	-118.633044		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036502**

Apinumber:	03706364	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	32
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370961		
Longitude:	-118.627295		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036491**

Apinumber:	03712902	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	28
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370881		
Longitude:	-118.623209		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036486**

Apinumber:	03713024	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	22
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370827		
Longitude:	-118.626536		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036484**

Apinumber:	03713005	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	5
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370818		
Longitude:	-118.628073		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036482**

Apinumber:	03713080	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	5
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370807		
Longitude:	-118.623945		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036478**

Apinumber:	03713016	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	15
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370767		
Longitude:	-118.630767		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036475**

Apinumber:	03713079	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	4
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370747		
Longitude:	-118.625208		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036473**

Apinumber:	03713023	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	21
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370737		
Longitude:	-118.629925		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036468**

Apinumber:	03713014	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	13
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370636		
Longitude:	-118.632198		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036466**

Apinumber:	03713081	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	6
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.370594		
Longitude:	-118.621753		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036462**

Apinumber:	03712914	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	41
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.37056		
Longitude:	-118.624448		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036460**

Apinumber:	03712901	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	27
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370552		
Longitude:	-118.619983		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036453**

Apinumber:	03713034	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	101
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370492		
Longitude:	-118.627247		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036450**

Apinumber:	03713026	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	24
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370483		
Longitude:	-118.628637		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036440**

Apinumber:	03713025	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	23
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.37037		
Longitude:	-118.633142		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036437**

Apinumber:	03700068	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	105
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370331		
Longitude:	-118.627835		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036434**

Apinumber:	03712912	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	39
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370321		
Longitude:	-118.623666		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SE
2 - 3 Miles | **OIL_GAS** | **CA10036431**

Apinumber:	03706268	Operator:	Young Napoleon Oil Company
Lease:	Well No.	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.370303		
Longitude:	-118.572946		
Td:	0	Sec:	5
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036425**

Apinumber:	03713019	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	18
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.37026		
Longitude:	-118.631035		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036421**

Apinumber:	03713007	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	7
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370196		
Longitude:	-118.627244		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036420**

Apinumber:	03713036	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	106
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370191		
Longitude:	-118.62796		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036410**

Apinumber:	03713006	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	6
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370093		
Longitude:	-118.629812		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036404**

Apinumber:	03713099	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	25
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370066		
Longitude:	-118.622631		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036403**

Apinumber:	03713098	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	24
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370059		
Longitude:	-118.620946		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
1 - 2 Miles | **OIL_GAS** | **CA10036402**

Apinumber:	03713090	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	15
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370056		
Longitude:	-118.618566		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036399**

Apinumber:	03713004	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	4
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370015		
Longitude:	-118.628421		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036398**

Apinumber:	03713089	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	14
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370014		
Longitude:	-118.619703		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036395**

Apinumber:	03713092	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	18
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.370001		
Longitude:	-118.621872		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036386**

Apinumber:	03713084	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	9
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369905		
Longitude:	-118.623387		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036383**

Apinumber:	03713083	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	8
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369874		
Longitude:	-118.625682		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036377**

Apinumber:	03700067	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	103
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369809		
Longitude:	-118.630756		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036373**

Apinumber:	03713020	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	19
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369766		
Longitude:	-118.629176		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036368**

Apinumber:	03713003	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	3
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369723		
Longitude:	-118.627659		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036366**

Apinumber:	03713013	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	12
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369715		
Longitude:	-118.631892		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036353**

Apinumber:	03713077	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	2
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369604		
Longitude:	-118.624204		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SE
2 - 3 Miles | **OIL_GAS** | **CA10036349**

Apinumber:	03720994	Operator:	Macpet
Lease:	Gross et al	Well no:	67X-5
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.369562		
Longitude:	-118.57586		
Td:	10562	Sec:	5
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036348**

Apinumber:	03712903	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	29
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369556		
Longitude:	-118.62054		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036344**

Apinumber:	03713088	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	13
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369534		
Longitude:	-118.62134		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036341**

Apinumber:	03705707	Operator:	Morgan & Harris
Lease:	Dandy	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.369475		
Longitude:	-118.625487		
Td:	284	Sec:	1
Twn:	02N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036340**

Apinumber:	03712916	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	43
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369446		
Longitude:	-118.62456		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

South
1 - 2 Miles | **OIL_GAS** | **CA10036338**

Apinumber:	03712973	Operator:	Cormac Drilling & Production
Lease:	Cormac	Well no:	1
Field:	Newhall	Cagaso m3 area:	Dewitt Can
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.369383		
Longitude:	-118.604571		
Td:	1090	Sec:	6
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036337**

Apinumber:	03713001	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	1
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369372		
Longitude:	-118.62816		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036336**

Apinumber:	03713078	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	3
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369371		
Longitude:	-118.622538		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036335**

Apinumber:	03712908	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	34
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369357		
Longitude:	-118.624812		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036326**

Apinumber:	03713002	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	2
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369271		
Longitude:	-118.627506		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036321**

Apinumber:	03713033	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	31
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.369198		
Longitude:	-118.631127		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036317**

Apinumber:	03712905	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	31
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369184		
Longitude:	-118.618745		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036315**

Apinumber:	03713066	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	Hill	Well no:	1
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369156		
Longitude:	-118.617671		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036313**

Apinumber:	03713095	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	21
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369152		
Longitude:	-118.62498		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SSW
1 - 2 Miles | **OIL_GAS** | **CA10036307**

Apinumber:	03713068	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	Hill	Well no:	2
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.369096		
Longitude:	-118.615965		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036306**

Apinumber:	03712909	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	35
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369062		
Longitude:	-118.621797		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036303**

Apinumber:	03713069	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	Hill	Well no:	3
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369037		
Longitude:	-118.620091		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036302**

Apinumber:	03713030	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	28
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.369036		
Longitude:	-118.628977		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036298**

Apinumber:	03713029	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	27
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.368989		
Longitude:	-118.628113		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036296**

Apinumber:	03713032	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	30
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.368962		
Longitude:	-118.629798		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036295**

Apinumber:	03713093	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	19
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.36896		
Longitude:	-118.624175		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036294**

Apinumber:	03713091	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	17
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.368948		
Longitude:	-118.623312		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036284**

Apinumber:	03713008	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	8
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.368852		
Longitude:	-118.63066		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036282**

Apinumber:	03712910	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	36
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.368831		
Longitude:	-118.622468		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036275**

Apinumber:	03713031	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	29
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.368777		
Longitude:	-118.628658		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036273**

Apinumber:	03713017	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	16
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.368747		
Longitude:	-118.627774		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036272**

Apinumber:	03713075	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	1
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.368724		
Longitude:	-118.625187		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036270**

Apinumber:	03713094	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	20
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.368693		
Longitude:	-118.625183		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036262**

Apinumber:	03713011	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	10
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.368623		
Longitude:	-118.62813		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

Direction
Distance | Database | EDR ID Number

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036253**

Apinumber:	03713086	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	11
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.368577		
Longitude:	-118.621265		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036252**

Apinumber:	03712915	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	42
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.368566		
Longitude:	-118.620275		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036250**

Apinumber:	03713100	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	26
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.368532		
Longitude:	-118.620127		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036243**

Apinumber:	03712907	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	33
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.368466		
Longitude:	-118.625328		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SW
2 - 3 Miles | **OIL_GAS** | **CA10036234**

Apinumber:	03713012	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	11
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.368281		
Longitude:	-118.627241		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSW
2 - 3 Miles | **OIL_GAS** | **CA10036231**

Apinumber:	03712906	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	P.C.O.	Well no:	32
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.368258		
Longitude:	-118.622251		
Td:	0	Sec:	1
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

SW
2 - 3 Miles | **OIL_GAS** | **CA10036230**

Apinumber:	03713009	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	C.S.O.	Well no:	8A
Field:	Newhall	Cagaso m3 area:	Pico Canyo
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.368243		
Longitude:	-118.630371		
Td:	0	Sec:	2
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

SSE
1 - 2 Miles | **OIL_GAS** | **CA10036177**

Apinumber:	03705459	Operator:	Half Moon Oil
Lease:	Well No.	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.367485		
Longitude:	-118.593242		
Td:	0	Sec:	6
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

South
2 - 3 Miles | **OIL_GAS** | **CA10036067**

Apinumber:	03712814	Operator:	Hardison & Stewart Oil Co
Lease:	Well No.	Well no:	3
Field:	Newhall	Cagaso m3 area:	Dewitt Can
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.36499		
Longitude:	-118.601287		
Td:	0	Sec:	7
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

South
2 - 3 Miles | **OIL_GAS** | **CA10036051**

Apinumber:	03713202	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	Moore	Well no:	1
Field:	Newhall	Cagaso m3 area:	Dewitt Can
Map:	254	Status cod:	014
Source:	hud		
Latitude:	34.364861		
Longitude:	-118.60083		
Td:	0	Sec:	7
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

South
2 - 3 Miles | **OIL_GAS** | **CA10036031**

Apinumber:	03713203	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	Moore	Well no:	2
Field:	Newhall	Cagaso m3 area:	Dewitt Can
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.364571		
Longitude:	-118.598434		
Td:	0	Sec:	7
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

South
2 - 3 Miles | **OIL_GAS** | **CA10036004**

Apinumber:	03713204	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	Moore	Well no:	3
Field:	Newhall	Cagaso m3 area:	Dewitt Can
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.364138		
Longitude:	-118.600108		
Td:	0	Sec:	7
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction
Distance | Database | EDR ID Number

South
2 - 3 Miles | **OIL_GAS** | **CA10035986**

Apinumber:	03712813	Operator:	Hardison & Stewart Oil Co
Lease:	Well No.	Well no:	2
Field:	Newhall	Cagaso m3 area:	Dewitt Can
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.363615		
Longitude:	-118.596474		
Td:	0	Sec:	7
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

South
2 - 3 Miles | **OIL_GAS** | **CA10035951**

Apinumber:	03712812	Operator:	Hardison & Stewart Oil Co
Lease:	Well No.	Well no:	1
Field:	Newhall	Cagaso m3 area:	Dewitt Can
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.362928		
Longitude:	-118.596667		
Td:	0	Sec:	7
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

South
2 - 3 Miles | **OIL_GAS** | **CA10035939**

Apinumber:	03702085	Operator:	ChevronTexaco Expl. & Prod. Co.
Lease:	Moore	Well no:	4
Field:	Newhall	Cagaso m3 area:	Dewitt Can
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.362613		
Longitude:	-118.597424		
Td:	0	Sec:	7
Twn:	03N	Rge:	16W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction Distance	Database	EDR ID Number

South
2 - 3 Miles **OIL_GAS** **CA10035867**

Apinumber:	03706185	Operator:	Union Oil Co of Ca
Lease:	Odeen	Well no:	1
Field:	Any Field	Cagaso m3 area:	Any Area
Map:	254	Status cod:	006
Source:	hud		
Latitude:	34.361075		
Longitude:	-118.609234		
Td:	9215	Sec:	12
Twn:	03N	Rge:	17W
Bm:	SB	X coord:	0
Y coord:	0	Zone:	Not Reported
Spuddate:	Not Reported	Abanddate:	Not Reported
Comments:	Not Reported	District:	2

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 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

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 and 2005 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.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

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.

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.

OTHER STATE DATABASE INFORMATION

California Oil and Gas Well Locations
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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX I:

Preparer’s Qualifications

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818-841-2575
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RUSSELL M. COTE, M. Sc., R.G.

Manager, Environmental Services

Russell M. Cote has over ten years of professional experience in environmental consulting. He has performed Phase I Environmental Site Assessments (ESA's), Phase II Subsurface Investigations and Site Characterizations, as well as soil and groundwater remediation projects. Mr. Cote is very knowledgeable of federal, state and local regulations governing the environmental industry as they impact environmental assessment.

Professional Experience:

- Performed numerous Phase I ESA's on office, industrial, retail and multi-family residential properties.
- Managed numerous Phase II Subsurface Investigations, Soil and Groundwater Investigations, and Site Characterization & Remediation Projects for private clients and public agencies.
- Performed hydrogeologic characterizations of subsurface geologic formations in order to develop Remedial Action Plans.
- Designed and installed remediation systems using pump and treat, soil vapor extraction and air sparging technologies.
- Designed and implemented bioremedial alternatives for in-situ remediation of petroleum hydrocarbon-impacted soils and groundwater.
- Performed remediation of sites with petroleum hydrocarbons, volatile organic compounds and heavy metals resulting in site closures from State Regulatory Agencies.
- Designed, installed, monitored and sampled groundwater monitoring wells for long-term projects.
- Constructed and interpreted geologic cross-sections, groundwater contour maps and contaminant plume maps, generated site and groundwater contour maps, and geologic cross-sections.
- Prepared soil boring and well logs.
- Conducted numerous underground storage tank (UST) removals and associated sampling.
- Conducted groundwater pump tests and soil vapor extraction pilot tests.
- Monitored and maintained vapor extraction systems.
- Prepared manifests and supervised the disposal of petroleum hydrocarbon, volatile organic compounds and heavy metal contaminated soils and groundwater.
- Conducted Risk Based Assessments to obtain site closure from regulatory agencies.

Education: B.S., Geology, California State University, Bakersfield, 1985
M.Sc., Geology, California State University, Northridge, 1991

Registrations: Registered Geologist - State of California No. 7139
OSHA Hazwoper Training
OSHA Hazwoper Manager/Supervisor Training

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Greg Hargleroad
Senior Environmental Project Manager

With over seven years experience as an environmental project manager performing Phase I Environmental Site Assessments, Mr. Hargleroad has performed professional services for numerous governmental and commercial clients. Mr. Hargleroad is knowledgeable of federal, state and local regulations governing the environmental industry as they impact environmental assessment projects. Mr. Hargleroad managed over 400 Phase I Environmental Site Assessments.

Professional Experience:

- Managed a team of Environmental Professional in the preparation, evaluation, and assessment of over 300 sites for various telecommunications companies.
- Phase I ESAs of bank buildings acquired by mergers throughout Southern California, Oregon and Washington State.
- Phase I ESAs for multiple site industrial property portfolios.
- Reviewed and summarized Phase II soil remediation projects providing technical evaluation services.
- Preparation, evaluation and assessment for the conversions of old industrial buildings into artist lofts.
- Conducted a comprehensive assessment for the redevelopment of an abandoned gasoline station in Santa Barbara California.
- Evaluation of Asbestos Abatement completed on a downtown Los Angeles multi-story office building constructed in the 1920s that was converted into a telecommunications center.
- Teaches Earth Science courses at the local Community College and University. Given several professional talks on topics ranging from micropaleontology to the use of Sanborn Maps in the environmental assessments.

Education: B.A., Earth Science, 1985
Course work towards M.A in Geography, 1990-1992
California State University, Northridge

Registration: Certified Mold Consultant, State of California
Registered Environmental Assessor, California (Pending)