COUNTY OF SAN MATEO
PLANNING AND BUILDING DEPARTMENT

DATE: November 30, 2022

TO: Planning Commission

FROM: Planning Staff

SUBJECT: EXECUTIVE SUMMARY: Consideration of a Coastal Development Permit, pursuant to Section 6328.4 of the County Zoning Regulations, to allow the demolition, removal, and (site) restoration of two abandoned oil well facilities that include above-ground storage tanks, oil production piping, oil processing facilities and associated facilities and structures. The project is located off of La Honda Road in the unincorporated area of San Gregorio (Assessor's Parcel Number 082-160-090). This project is appealable to the California Coastal Commission.

County File Number: PLN 2022-00226 (Peterson)

PROPOSAL

The owner of the parcel, in cooperation with the California Geologic Energy Management Division (CALGEM), is seeking a Coastal Development Permit for the remediation of potential contaminated soil, demolition, and removal of two abandoned oil well facilities. The oil production equipment is located on a 38-acre parcel, APN 082-160-090, off of La Honda Road in the unincorporated community of San Gregorio (Attachment B).

The project consists of the removal of abandoned above-ground storage tanks for crude oil and oil production piping at two locations on the parcel (Attachment B). The removal of the pipes and other buried debris and equipment would involve minor trenching. The wells would be plugged in accordance with the CALGEM standards, through the approval of a separate State permit issued by CALGEM. The proposal for abandonment prepared by Miocene Inc. (Attachment C) has been reviewed by CALGEM and found to be consistent with their policies regarding the abandonment of idle oil wells. The oil well locations will be filled, compacted, and hydroseeded.

RECOMMENDATION

That the Planning Commission approve the Coastal Development Permit, County File Number PLN 2022-00226, by adopting the required findings and conditions of approval listed in Attachment A.

SUMMARY

The 38-acre parcel is located off of La Honda Road, 4.7 miles east of Cabrillo Highway (Highway 1) and approximately 15 miles south of the City of Half Moon Bay. The parcel remains undeveloped with existing trees and natural vegetations and Bogess Creek running adjacent to the eastern property line. There are no prime soils located on the parcel.

The proposed project has been evaluated and found to be in compliance with applicable General Plan and Local Coastal Program policies with regards to sensitive habitat, visual quality, energy, and soil resources policies. To minimize project-related erosion, the applicant is required to submit plans with erosion control measures to be approved prior to the issuance of demolition permits. Upon completion of the oil well removals, the site shall be restored as near as possible to its original condition. On-site soil tests would be performed to inform removal of any contaminated soil.

Due to the limited duration for the site cleanup and proposed reseeding, and intervening vegetation along La Honda Road and the viewing distance from the roadway, the project would not be visible from the roadway.

Environmental Review: The project is exempt from environmental review pursuant to the California Environmental Quality Act (CEQA) Guidelines Section 15301 Class 1, Existing Facilities, which exempts the abandonment of oil, gas, and geothermal wells.

KAK:mda – KAKGG00384_WMU.DOCX

COUNTY OF SAN MATEO
PLANNING AND BUILDING DEPARTMENT

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The project consists of the removal of abandoned above-ground storage tanks for crude oil and oil production piping at two locations on the parcel (Attachment B). The removal of the pipes and other buried debris and equipment would involve minor trenching. The wells would be plugged in accordance with the CALGEM standards, through the approval of a separate State permit issued by CALGEM. The proposal for abandonment prepared by Miocene Inc. (Attachment C) has been reviewed by CALGEM and found to be consistent with their policies regarding the abandonment of idle oil wells. The oil well locations will be filled, compacted, and hydroseeded.

RECOMMENDATION

That the Planning Commission approve the Coastal Development Permit, County File No. PLN 2022-00226, by adopting the required findings and conditions of approval listed in Attachment A.

BACKGROUND

Report Prepared By: Kanoa Kelley, Project Planner, Telephone 650/363-1873

Applicant/Owner: Maria Peterson

Public Notification: Ten (10) day advanced notification for the hearing was mailed to property owners within 300 feet of the project parcel and a notice for the hearing posted in newspapers (San Mateo Times and Half Moon Bay Review) of general public circulation on November 19, 2022 and November 23, 2022, respectively.

Location: La Honda Road, San Gregorio

APN: 082-160-090

Size: 38.0 acres

Existing Zoning: PAD/CD (Planned Agricultural District/Coastal Development)

General Plan Designation: Agriculture, Rural

Local Coastal Plan Designation: Agriculture

Williamson Act: This parcel is not under a Williamson Act Contract.

Parcel Legality: The parcel is legal pursuant to subdivision, County File Number X6E 3348, recorded on March 30, 1976.

Existing Land Use: Vacant.

Water Supply: No existing water supply.

Sewage Disposal: No existing sewage system.

Flood Zone: Zones X and A. A majority of the parcel is within Zone X, areas of minimal flood hazard. The eastern boundary adjacent to Bogess Creek is within Flood Zone A, which has a 1% annual flood risk (FEMA Community Panel 06081C0380E, effective October 16, 2012).

Environmental Evaluation: The project is exempt from environmental review pursuant to the California Environmental Quality Act (CEQA) Guidelines Section 15301, Class 1, Existing Facilities, which exempts the abandonment of oil, gas, and geothermal wells.

Setting: The 38-acre parcel is located off of La Honda Road, 4.7 miles east of Cabrillo Highway (Highway 1) and approximately 15 miles south of the City of Half Moon Bay. The parcel remains undeveloped with existing trees and natural vegetations and Bogess Creek running adjacent to the eastern property line.

DISCUSSION

A. KEY ISSUES

1. Conformance with the General Plan

Staff has reviewed the project and found it to be in compliance with the policies of the General Plan. The relevant policies are discussed below.

a. Vegetative, Water, Fish and Wildlife Resources

Policy 1.28 (*Regulate Development to Protect Sensitive Habitats*) regulates land uses and development activities within and adjacent to sensitive habitats in order to protect critical vegetative, water, fish and wildlife resources; protect rare, endangered and unique plants and animals from reduction in their range or degradation of their environment; and protect and maintain the biological productivity of important plant and animal habitats. The project locations are outside of the Local Coastal Program (LCP) sensitive habitat maps. According to the California Natural Diversity Database (CNDDB), the subject site does not contain habitat for protected species, however as a precaution, a condition has been included to require a pre-disturbance biological survey to identify any special status plant or animal species on or around the well sites prior to the issuance of demolition permits.

b. Soil Resource Policies

Policy 2.3 (*Prevention of Soil Contamination*) aims to prevent soil contamination through the appropriate disposal of toxic substances. The remediation efforts seek to prevent further contamination of native soils by removing all exterior equipment and capping the well. On-site soil tests would be performed after removal of the facilities to inform removal of contaminated soil.

Policy 2.17 (*Regulate Development to Minimize Soil Erosion and Sedimentation*) aims to minimize soil erosion and sedimentation by minimizing the removal of vegetative cover, ensuring stabilization of disturbed areas, and protecting and enhancing natural plant communities and nesting and feeding areas of fish and wildlife. All disturbed areas related to the project would be backfilled with native

material, compacted, and seeded with a native seed mix to minimize soil erosion. Existing access roads and farm roads are sufficient to support all equipment needed for the oil well facility removals and new test well excavations. To minimize project-related erosion, the applicant is required to submit plans with erosion control measures to be approved prior to the issuance of any demolition permits for the project.

c. Historical and Archaeological Resources Policies

Policy 5.20 (*Site Survey*) requires site surveys to determine if sites proposed for new development contain archaeological/paleontological resources. Prior to approval of development for these sites, require that a mitigation plan, adequate to protect the resource and prepared by a qualified professional, be reviewed and implemented as part of the project. A referral was sent to the California Historical Resources Information System Northwest Information Center (CHRIS) for potential resource impacts. According to a search of the CHRIS database there is no known record of previous cultural resources field studies. Due to the minimal ground disturbance involved in the project and the low risk of finding cultural/paleontological resources staff recommends that Condition of Approval No. 7-8 be added to address potential discovery.

2. Conformance with the Local Coastal Program

Staff has reviewed the project and found it to be in compliance with the policies of the Local Coastal Program. The relevant policies are discussed below.

a. Energy Component

Policy 4.6 *(Restoration)* and Policy 4.12 *(Termination of Operations)* requires the removal of oil wells or other facilities that go out of production and requires the revegetation of all work sites not needed for normal operations. The applicant will comply with these policies with an approved Coastal Development Permit. The applicant has submitted a proposed plan to plug the idle wells and remove all surface components. A site restoration plan has also been submitted which includes native revegetation of all disturbed areas.

b. Sensitive Habitats Component

LCP Policies 7.1 (*Definition of Sensitive Habitats*), 7.3 (*Protection of Sensitive Habitats*) and 7.5 (*Permit Conditions*) define and outline protections within sensitive habitat areas with specific emphasis on

San Francisco garter snake (SFGS) in Policy 7.36 (*San Francisco Garter Snake*).

See Section A.1.a. for discussion of the project's potential impacts on sensitive habitats.

c. Visual Resources Component

Policy 8.31 (*Regulation of Scenic Corridors in Rural Areas*) regulates development setbacks within scenic corridors in rural areas. The project remediation sites are located within the La Honda Road County Scenic Corridor. However, due to the limited duration for the site cleanup and proposed reseeding, and intervening vegetation along La Honda Road and the viewing distance from the roadway, the project would not be visible from the roadway.

Policy 8.17 (*Alteration of Landforms; Road and Grading*) requires development in rural lands to minimize the alteration of landforms as a consequence of grading and restore pre-existing topographic contours. As discussed in Section A.1.b of this report, all disturbed areas would be backfilled with native material to match surrounding contours, compacted, and seeded with a native seed mix to minimize soil erosion. Existing access roads and farm roads are sufficient to support all equipment needed for excavation.

B. ENVIRONMENTAL REVIEW

The project is exempt from environmental review pursuant to the California Environmental Quality Act (CEQA) Guidelines Section 15301 Class 1, Existing Facilities, which exempts the abandonment of oil, gas, and geothermal wells.

C. REVIEWING AGENCIES

Building Inspection Section
Environmental Health Services
Geotechnical Section
Cal-Fire
California Coastal Commission
California Geologic Energy Management Division
California Department of Fish and Wildlife
California Historical Resources Information System Northwest Information Center

ATTACHMENTS

A. Recommended Findings and Conditions of Approval
B. Location Maps
C. Proposal for Abandonment/Well Abandonment Program
D. Site Restoration Plan

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Attachment A

County of San Mateo
Planning and Building Department

RECOMMENDED FINDINGS AND CONDITIONS OF APPROVAL

Permit or Project File Number: PLN 2022-00226 Hearing Date: November 30, 2022

Prepared By: Kanoa Kelley, Project Planner For Adoption By: Planning Commission

RECOMMENDED FINDINGS

Regarding the Environmental Review, Find:

1. The project is exempt from environmental review pursuant to the California Environmental Quality Act (CEQA) Guidelines Section 15301 Class 1, Existing Facilities, which exempts the abandonment of oil, gas, and geothermal wells.

Regarding the Coastal Development Permit, Find:

2. That the project, as described in the application and accompanying materials required by Section 6328.7 of the San Mateo County Zoning Regulations and as conditioned in accordance with Section 6328.14 of the San Mateo County Zoning Regulations, conforms to the plans, policies, requirements and standards of the San Mateo County Local Coastal Program as described in Section A.2 of the staff report dated November 30, 2022.

3. That the project conforms to the specific findings required by policies of the San Mateo County Local Coastal Program relating to Energy, Sensitive Habitats, and Visual Resources components. The project incorporates conditions to protect sensitive habitats by requiring the applicant to conduct pre-disturbance surveys no more than 30 days prior site disturbance to plug the idle oil wells. All oil wells will be restored as close to possible to their original condition.

RECOMMENDED CONDITIONS OF APPROVAL

Current Planning Section

1. The approval applies only to the proposal as described in this report and materials submitted for review and approval by the Planning Commission on November 30, 2022. The Community Development Director may approve minor revisions or modifications to the project if they are found to be consistent with the intent of and in substantial conformance with this approval.

2. This permit shall be valid for two (2) years from the date of approval in which time the project shall be completed. Any extension of the permits shall require submittal of an application for permit extension and payment of applicable extension fees 60 days prior to the expiration date.

3. Prior to any demolition or grading activities, the applicant shall submit an erosion and sediment control plan to be approved by the Planning Director. Photos of the installed measures shall be submitted to the Planning Division for review and approval prior to issuance of a demolition permit. Erosion control measure deficiencies, as they occur, shall be immediately corrected.

4. Unless approved in writing by the Community Development Director, no grading shall be allowed during the winter season (October 1 to April 30) to avoid potential soil erosion. The applicant shall submit a letter to the Planning Division, a minimum of two (2) weeks prior to commencement of grading, stating the date when grading will begin if grading is proposed during this time.

5. Prior to final inspection of the demolition permit, photos of the revegetated areas (once seeds have sprouted) shall be submitted to the Planning Division for review and approval. Deficiencies, as they occur, shall be immediately corrected. The applicant shall provide specifications for the native seed mix that will be used for restoration with the demolition permit submittal. All non-biodegradable erosion measures shall be removed prior to demolition permit final inspection.

6. In the event that paleontological resources are inadvertently discovered, work in the immediate vicinity (within 25 feet) of the find must stop until a qualified paleontologist can evaluate the significant of the find. The Current Planning Section shall be notified of such findings, and no additional work shall be done in the stop work area until the paleontologist has recommended appropriate measures, and those measures have been approved by the Current Planning Section and implemented.

7. Should any human remains be discovered during construction, all ground disturbing work shall cease, and the County Coroner be immediately notified, pursuant to Section 7050.5 of the State of California Health and Safety Code. Work must stop until the County Coroner can make a determination of origin and

disposition of the remains pursuant to California Public Resources Code Section 5097.98. If the County Coroner determines the remains to be Native American, the Native American Heritage Commission shall be contacted within 24 hours. A qualified archaeologist, in consultation with the Native American Heritage Commission, shall recommend subsequent measures for disposition of the remains.

8. The applicant is responsible for ensuring that all contractors minimize the transport and discharge of pollutants from the project site into water bodies by adhering to the San Mateo Countywide Stormwater Pollution Prevention Program "General Construction and Site Supervision Guidelines" below. Additionally, the applicant shall apply for a National Pollutant Discharge Elimination System (NPDES) permit from the Central Coast Region State Water Resources Quality Control Board. A copy of this permit shall be submitted to the Planning Department and the Department of Public Works.

    a. Stabilizing all denuded areas and maintaining erosion control measures continuously between October 1 and April 30. Stabilizing shall include both proactive measures, such as the placement of hay bales or coir netting, and passive measures, such as revegetating disturbed areas with plants propagated from seed collected in the immediate area.

    b. Storing, handling, and disposing of construction materials and wastes properly, so as to prevent their contact with stormwater.

    c. Controlling and preventing the discharge of all potential pollutants, including pavement cutting wastes, paints, concrete, petroleum products, chemicals, wash water or sediments, and non-stormwater discharges to storm drains and watercourses.

    d. Using sediment controls or filtration to remove sediment when dewatering site and obtaining all necessary permits.

    e. Avoiding cleaning, fueling, or maintaining vehicles on-site, except in a designated area where wash water is contained and treated.

    f. Delineating with field markers clearing limits, easements, setbacks, sensitive or critical areas, buffer zones, trees, and drainage courses.

    g. Protecting adjacent properties and undisturbed areas from construction impacts using vegetative buffer strips, sediment barriers or filters, dikes, mulching, or other measures as appropriate.

    h. Performing clearing and earth-moving activities only during dry weather.

i. Limiting and timing application of pesticides and fertilizers to prevent polluted runoff.

j. Limiting construction access routes and stabilizing designated access points.

k. Avoiding tracking dirt or other materials off-site; cleaning off-site paved areas and sidewalks using dry sweeping methods.

l. The contractor shall train and provide instruction to all employees and subcontractors regarding the construction best management practices.

9. Noise sources associated with demolition, construction, repair, remodeling, or grading of any real property shall be limited to the hours from 7:00 a.m. to 6:00 p.m. weekdays and 9:00 a.m. to 5:00 p.m. Saturdays. Said activities are prohibited on Sundays, Thanksgiving and Christmas (San Mateo County Ordinance Code Section 4.88.360).

10. A pre-demolition biological survey shall be completed no more than 30 days from activities associated with the demolition and removal of the oil well facilities. The survey shall identify, delineate, and/or provide recommended mitigation measures for any special-status plant or animal species found in the project area. The survey shall be submitted to the Planning and Building Department for review and approval prior to issuance of the demolition permits.

11. All vegetation removed and not used for revegetation or slash shall not be stockpiled on the ground and shall be placed directly into a disposal vehicle and removed from the site; vegetation shall not be piled on the ground unless it is later transferred, piece by piece, under the direct supervision of the biological monitor.

12. All vehicles parked on-site for more than 15 minutes shall be inspected by the biological monitor or trained staff monitor before being moved and the parking sites themselves shall be checked prior to moving the vehicles.

13. The applicant shall implement erosion control measures prior to the start of any activity to implement the approved project. Revegetation of denuded areas shall begin immediately upon completion of grading and/or equipment removal.

14. Upon the completion of on-site soil testing for contaminated soils, the applicant shall provide the Planning Division with details and/or plans depicting any proposed or necessary contaminated soil removal efforts for the project site for review and determination on whether additional permits are required by the County Planning and Building Department.

Building Inspection Section

15. A demolition permit shall be obtained prior to the removal of any structure.

Environmental Health Services

16. The applicant must obtain all necessary approvals from San Mateo County Certified Unified Program Agency (CUPA) for the removal of hazardous materials.

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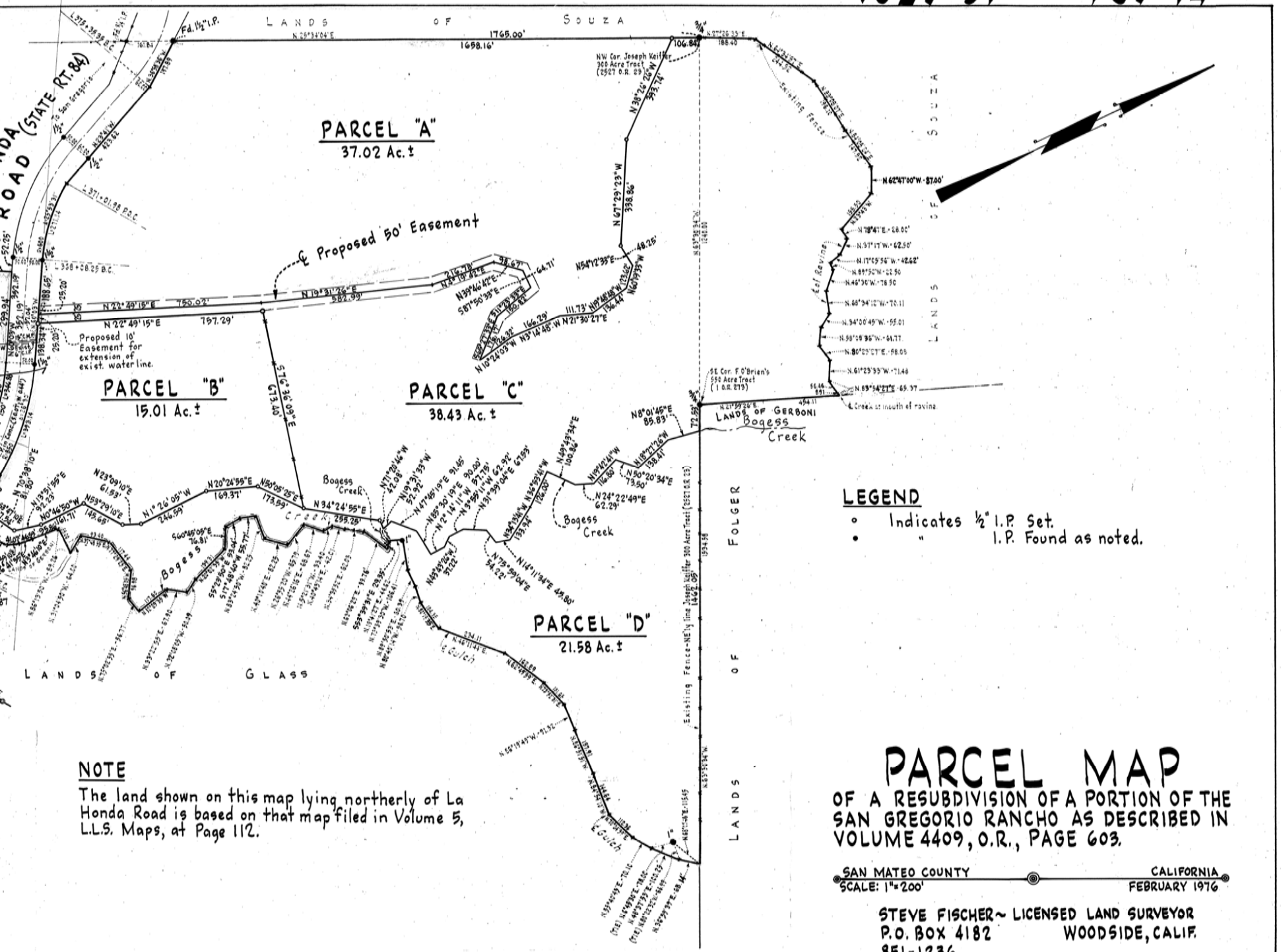
County of San Mateo - Planning and Building Department

ATTACHMENT B

VOL. 31 PG. 14



LEGEND

- ○ Indicates ½" I.P. Set.
- • " I.P. Found as noted.

NOTE

The land shown on this map lying northerly of La Honda Road is based on that map filed in Volume 5, L.L.S. Maps, at Page 112.

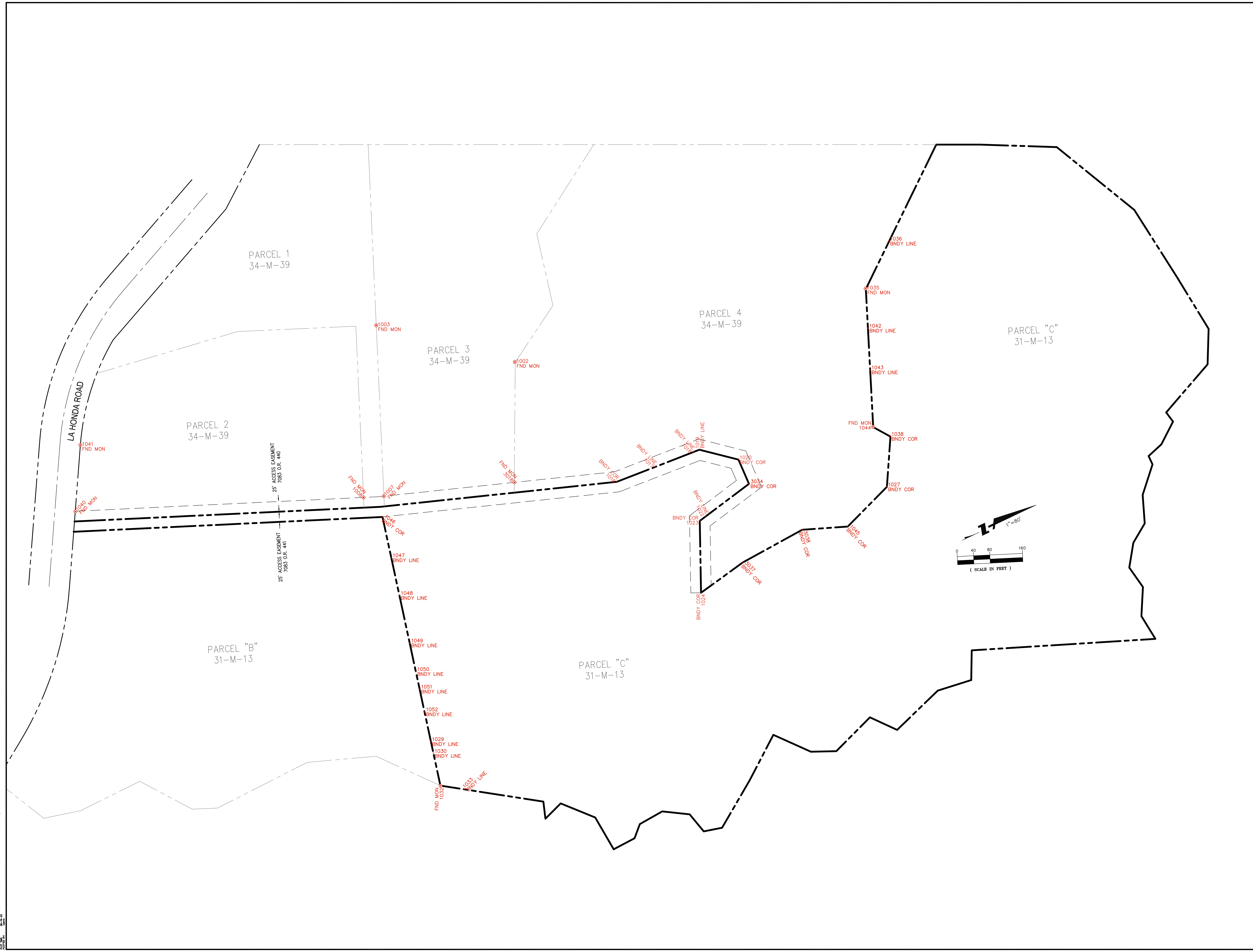
PARCEL MAP

OF A RESUBDIVISION OF A PORTION OF THE SAN GREGORIO RANCHO AS DESCRIBED IN VOLUME 4409, O.R., PAGE 603.

SAN MATEO COUNTY — CALIFORNIA

SCALE: 1"=200' — FEBRUARY 1976

STEVE FISCHER~ LICENSED LAND SURVEYOR
P.O. BOX 4182 WOODSIDE, CALIF.
851-1236



NORTHSTAR SURVEY

WWW.NSSURVEY.NET
669-250-7429

CALIFORNIA

APN 082-160-090
BOUNDARY AS-STAKED EXHIBIT

COUNTY OF SAN MATEO

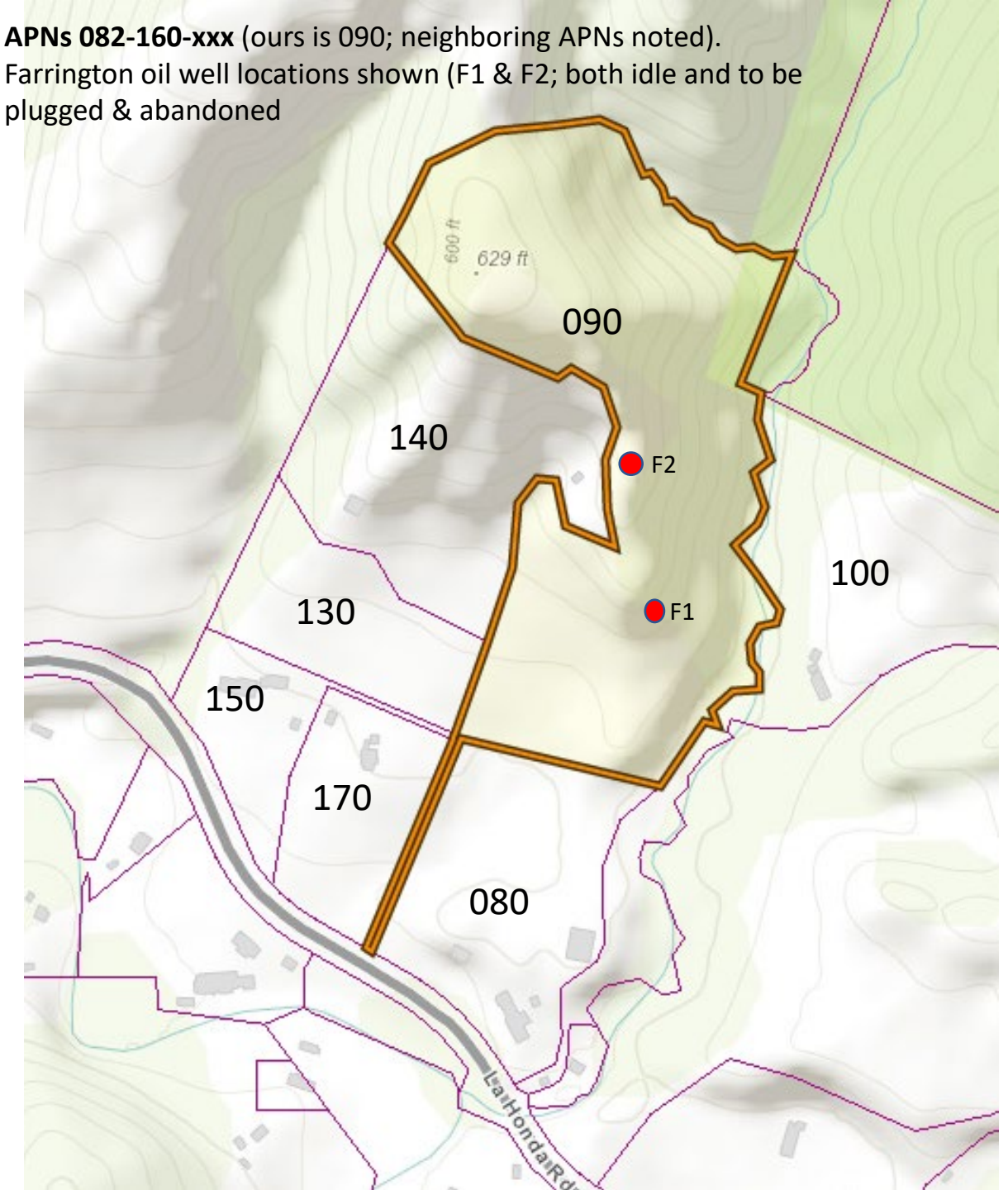
No.	Revisions

Date: 06-07-2022
Scale: 1" = 80'
Design:
Drawn: BC
Approved: BC
Job No: 21041101

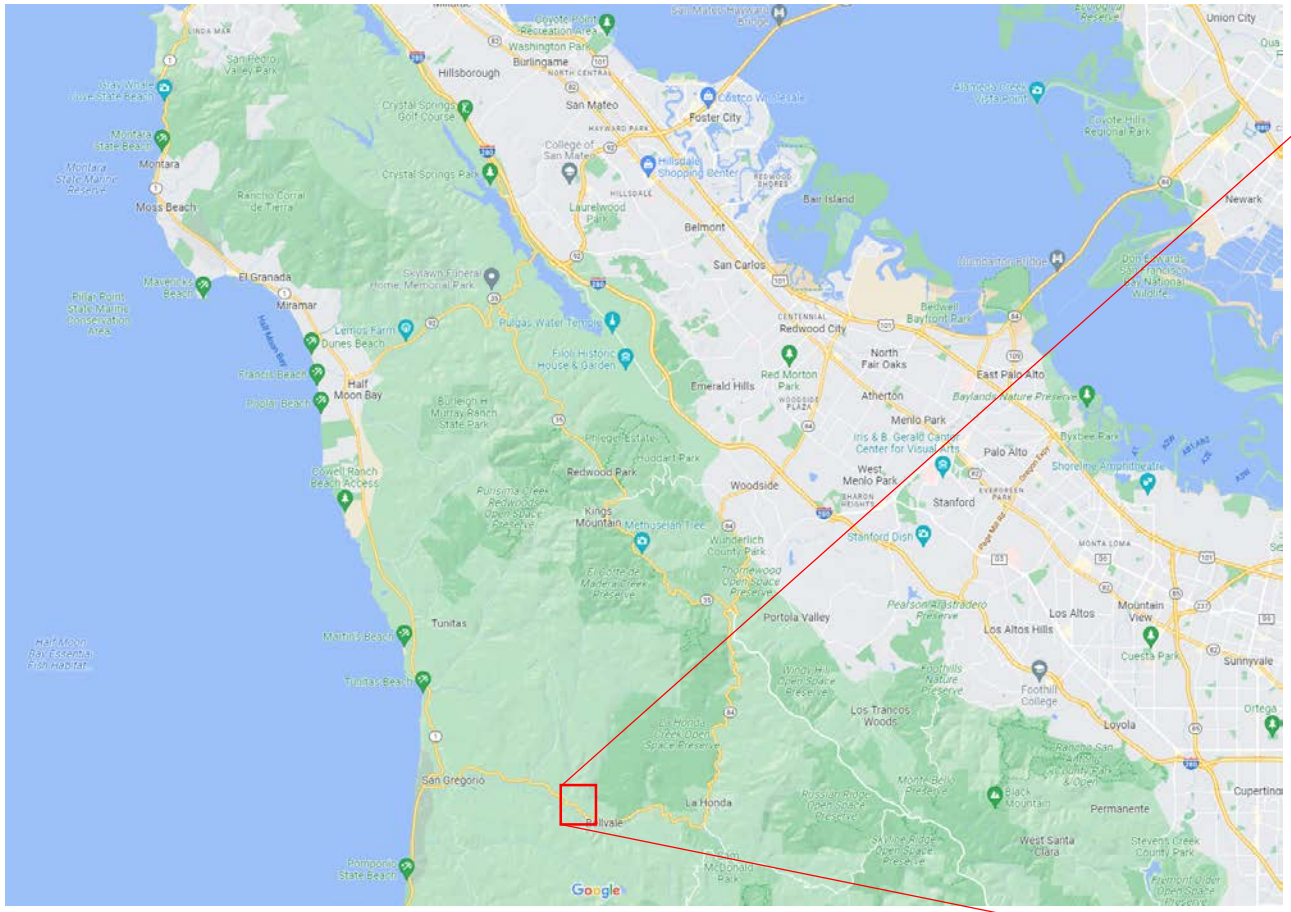
Drawing Number:
21041101
1 OF 1

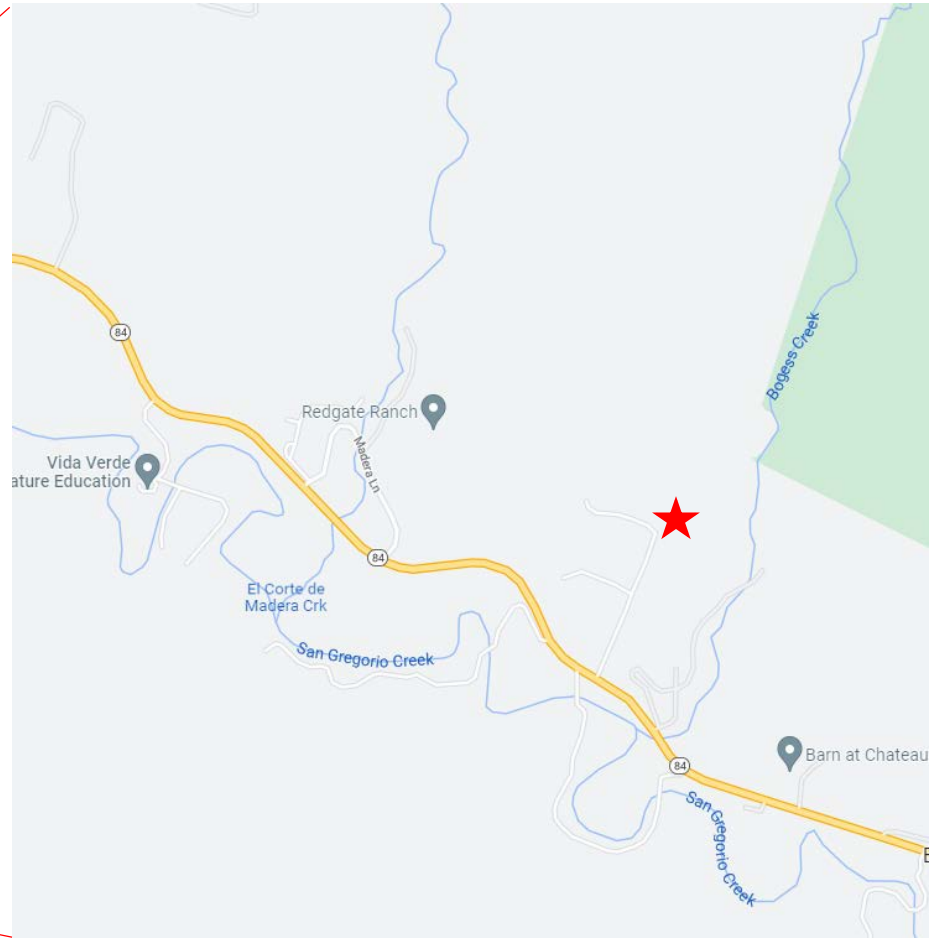
Street addresses & owner names of adjacent properties
XXX La Honda Road, San Gregorio 94074

APNs 082-160-xxx (ours is 090; neighboring APNs noted).
Farrington oil well locations shown (F1 & F2; both idle and to be plugged & abandoned



Location Map: APN 082-160-090, 00 La Honda Road, San Gregorio, CA 94074





site photos of oil wells proposing to plug & abandon on next page

Farrington 1 & 2 idle oil wells

Note: the grasses visible in this photo will be mowed in July 2022 for full and clear well site access

County of San Mateo - Planning and Building Department

ATTACHMENT C

MIOCENE INC
ENGINEERING AND OPERATING SERVICES

July 13, 2022

The Macmillan and Peterson Family Revocable Trust
Transmitted via email

RE: **Proposal to Provide Engineering Services to Support the Plug and Abandonment of 2 Oil Wells, LaHonda Field, San Mateo County, California**

Dear Ms. Peterson and Mr. Macmillan:

Miocene, Inc. (Miocene) is pleased to provide The Macmillan and Peterson Family Revocable Trust (Trust) with a proposal to provide permitting and engineering support for the plug and abandonment of two (2) oil wells located in Section 17, T7S, R4W, MD B&M, LaHonda Field, San Mateo County, California. This proposal also includes the estimated cost for Paul Graham Drilling (PGD) to provide the rig, equipment, materials, and services to conduct the actual well abandonment work. Miocene assumes the Trust will contract PGD direct for these services. The wells are identified in **Table 1**.

TABLE 1 – LIST OF WELLS	
WELL NAME	**API NUMBER**
Farrington 1	0408100001
Farrington 2	0408100002

Scope of Work

Miocene, Inc. (Miocene) has identified the following engineering support Tasks required for the plug and abandonment work. All work must be permitted and conducted under the permit requirements of California Geologic Energy Management Division (CalGEM). **This proposal assumes all other permitting or approval required by the San Mateo County General Plan or Planning and Building Department and the California Coastal Commission are provided by others.**

Task 1 – Prepare and Submit Notice of Intent to CalGEM to Plug and Abandon 2 Wells

Miocene will prepare and submit a Notice of Intent (NOI) to plug and abandon the wells to CalGEM (OG106). This notice will provide our Workplan to conduct the proposed work. This task requires the following subtasks.

Task 1A – Create Wellbore Diagrams of Current and Proposed Abandonment

Miocene will prepare a wellbore diagram for each of the wells by reviewing the publicly-available well records from CalGEM using Wellshadow© software. Wellshadow© is utilized by CalGEM internally for its wellbore diagrams. A second wellbore diagram will be prepared for the wells to document the planned construction features of the plugged and abandoned well. These wellbore diagrams are necessary to perform Task 1B, entry of the well construction details into CalGEM's Wellstar system.

MIOCENE INC
ENGINEERING AND OPERATING SERVICES

Task 1B – Enter the Well Construction Details in Wellstar

Miocene will enter the existing and proposed well construction details for the wells in Wellstar. These data consist of drilled hole size and depths, casing depths and cementing data, perforation depth data, cement plug data, and any known obstructions in the well.

Task 1C – Prepare Well Plug and Abandonment Procedures

Miocene will review the well construction details and prepare a plug and abandonment procedure for the wells that meets the requirements of 14CCR§1723. If these requirements can't be met due to downhole conditions (e.g., collapsed open hole, junk in the hole, or collapsed casing), Miocene will work with the Trust and CalGEM to develop alternative well abandonment strategies.

Task 1D – Prepare CEQA Information Packages

Currently CalGEM requires the preparation and submittal of a CEQA information package to document the impacts of the proposed work for their evaluation. Miocene will prepare and submit the CEQA informational package for the wells via the Wellstar system. **For the purpose of this proposal, Miocene assumes the proposed work is exempt from CEQA requirements or that CEQA coverage is provided by others via a San Mateo County permit issued by the Planning and Building Department and/or the California Coastal Commission.**

Task 1E – Prepare Site Safety Plan, Spill Contingency Plan, and Well Control Incident Response Plan

Miocene will prepare a Site Safety Plan, Spill Contingency Plan, and Well Control Incident Response Plan to be used to guide all site activities. These plans are required by State of California regulations and best operating practices.

Task 2 – Mobilize Equipment and Plug and Abandon the Wells

Miocene will coordinate with PGD to conduct the field work and with CalGEM to witness or waive all activities required in the Permit approval. Miocene will provide a Well Site Manager who will oversee the work to ensure compliance with CalGEM, San Mateo County, and California Coastal Commission requirements and prepare Daily Activity Reports and Cost. You shall identify the Primary Site Contact and provide a list of persons to receive the Daily Activity Reports via email. Finally, for the purpose of this proposal, Miocene assumes the Trust will contract directly with the PGD for rig equipment and other goods and services necessary to conduct the physical well re-abandonment work.

Task 3 – Prepare and Submit Well History and Final Survey to CalGEM

Miocene will document the well plug and abandonment work via the submittal of a Well History Report for the wells (OG103) to CalGEM. For the purpose of this proposal, Miocene assumes the Trust have an onsite licensed surveyor to document the final location and elevation for the abandoned well and will provide Miocene with a survey plat of the well for submittal to CalGEM. The survey of the wells should be in the NAD83 coordinate system, with degrees latitude and longitude accurate to six decimal places. The survey plat should also include current ground elevation.

MIOCENE INC
ENGINEERING AND OPERATING SERVICES

Miocene will also be available to answer any questions or concerns CalGEM staff may have when reviewing the OG103 Well History Report to insure we make every effort to have CalGEM issue the OG159 Final Report of Well Abandonment stating the plug and abandonment work meets all current CalGEM well abandonment requirements. Upon successful issuance of the OG159 Report, Miocene will prepare a draft letter for the Trust to submit to CalGEM for the return of the $25,000 bond on each well. **It should be noted that if a well can't be plugged and abandoned to current CalGEM requirements due to downhole obstacles or other conditions that prevent completing the abandonment to current requirements, the Trust will forfeit the bond for the well.**

If you have any questions or require additional information, please contact me at 661-301-4327.

Regards,

Alan E. White, PE
Miocene, Inc.
Contractor License #1059256 A – General Engineering
alan.white@miocene-engr.com

MIOCENE INC
ENGINEERING AND OPERATING SERVICES

Assumptions in Proposal

1. The Trust will contract direct to PGD for the rig services and materials.
2. Farrington 1 – CalGEM will not require cement in the 4" x 5-1/2" annulus from 1,866' – 1,821'.
3. Farrington 1 – CalGEM will not require cement across the cement port at 740' inside the 5-1/2" casing.
4. Farrington 1 – CalGEM will not require cement squeeze at bad spot in 5-1/2" casing from 264' – 300' that was previously squeezed with cement in 1964.
5. Farrington 2 – CalGEM will not require recovering the fish in open hole below the 6-5/8" and placing a cement plug in the open hole.
6. Farrington 1 – Estimated days to conduct the work is 5 days.
7. Farrington 2 – Estimated days to conduct the work is 5 days.

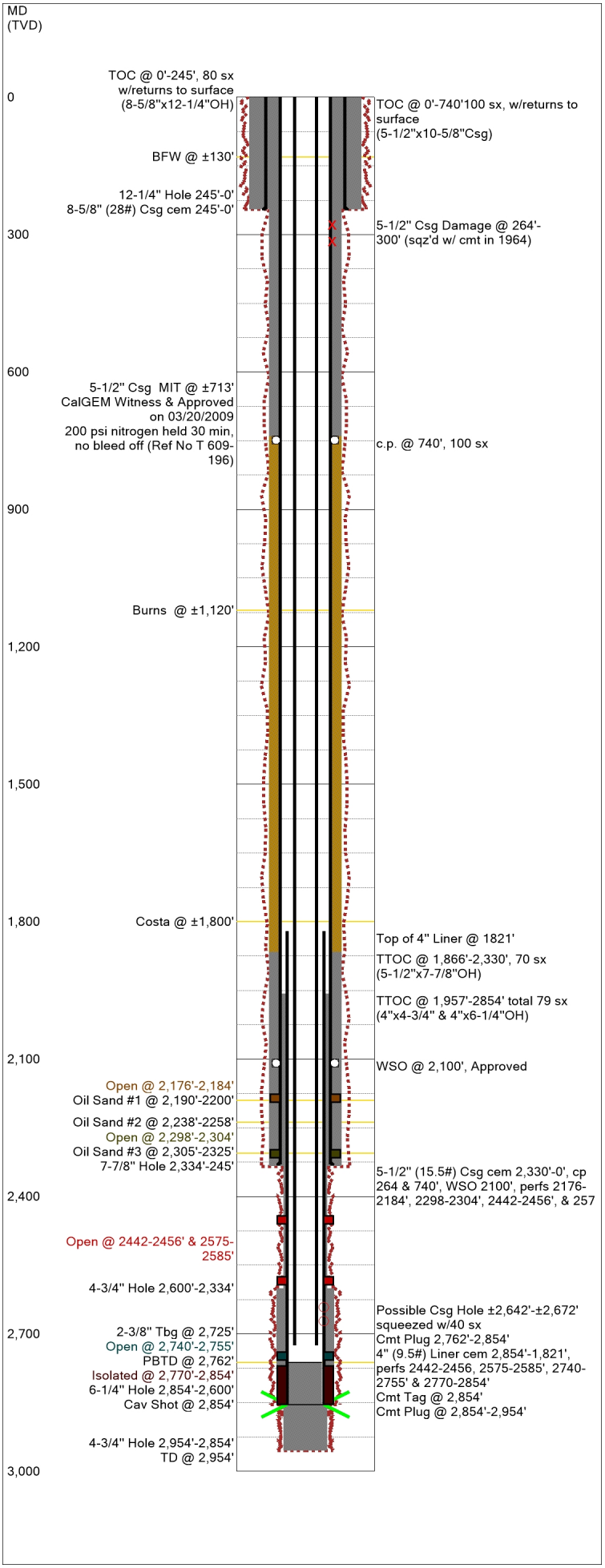
MIOCENE INC
ENGINEERING AND OPERATING SERVICES

Well Abandonment Program
The Macmillan and Peterson Family Revocable Trust

Well:	"Farrington 1" (API No. 0408100001)
Status:	Idle, KB 6'
Total Depth:	2,954', PBTD 2,762' (top of cement plug)
Casing:	8-5/8" 28# cemented at 245' 5-1/2'' 15.5#) cemented at 2,330', TTOC 1,866', Perf WSO @ 2,100' 4" 9.5# J-55 liner 1,821' – 2,854' TTOC at 1,866'
Perforations:	Open: 2,755' – 2,740'; 2,585' – 2,575'; 2,456' – 2,442'; 2,304' – 2,298'; 2,184' – 2,176'.
Tubing & Rods:	Rods and tubing reported (Assume 2-3/8'' tubing at 1,284', 3/4'' rods and pump at 1,269')
BFW:	150'
Producing Zone(s):	Costa
Hole Fluid:	Water, oil and/or gas
Junk:	None reported in cased hole
Cement Plugs:	2,954'-2,854'; 2,854' – 2,762'

1. MIRU well service rig.
2. POOH with 3/4'' rods and rod pump. NU and function test Class II 2M BOPE. Unland 2-3/8'' tubing and RIH and tag fill. Note depth of fill. All depths noted are KB measurements unless otherwise noted.
3. Strap out of hole to confirm tag depth. RIH and clean out fill to 2,762'. **CalGEM to witness cleanout depth.**
4. RIH with tubing and mix and pump Class G cement in stages from 2,762' to 1, 721' or higher. **CalGEM to witness cementing operations.** WOC.
5. RIH and tag top of cement 1,721' or higher. POOH with tubing. **CalGEM to witness top of cement plug tag.**
6. With OE tubing at TOC, pump abandonment mud to 180'. **CalGEM to witness all mudding operations.**
7. With OE tubing @ 180' pump Class G cement to surface. **CalGEM to witness cementing operations.**
8. All casing shall be exposed and cut off 5' below ground level. Perform a leak test. **CalGEM to witness leak test.**
9. A steel plate, at least as thick as the outer well casing and bearing the last five digits of the API number, shall be tack welded around the top circumference of the outer casing. **CalGEM to witness capping operations.**
10. Survey well location latitude and longitude in NAD83 decimal degrees accurate to six decimal places and elevation of well cap. Prepare survey plat stamped by a licensed land surveyor.
11. Tear out well and backfill casing stub. **CalGEM to inspect final location**.

Alan E. White, PE
July 17, 2022



Last Updated: 6/24/2022 07:45 PM

Field Name	Lease Name	Well No.
La Honda	Farrington	1

County	State	API No.
San Mateo	California	04-081-00001-0000

Version	Version Tag
0	Present Condition, Idle

GL (ft)	KB (ft)	Section	Township/Block	Range/Survey
269.0	6.0	17	07S	04W

Operator	Well Type	Well Status
The 2020 Macmillan and Peterson Family Revocable T	OG	Idle

Latitude	Longitude
37.31897736	-122.32720947

Dist. N/S (ft)	Dir. N/S	Dist. E/W (ft)	Dir. E/W	Footage From
951	FNL	1223	FEL	from SW corner of Section 17

Prop Num	Spud Date	Comp. Date	Plug Date
	1/4/1958	2/15/1958	

Additional Information

Farrington 1 (API 0408100001) Spudded in 1958, re-work in 1962-1964 and 1965, MIT Approved (3/20/2009), Idle
4/29/2022 ORDER TO P&A WELL: weeds and junk around well w/ facilities in violation
Spudded 01/04/1958, Rig Release 2/15/1958, Completed 2/15/1958, Initial Production 11/18/1963
Location of Well at surface: 951' N and 1223' E from SW corner of S.17, T.07S, R.04W, MD B&M
La Honda Field, Main Area, San Mateo County, Northern District, CA
Present condition of well: 8-5/8" cem 245'; 5-1/2" cem 2330', cp 264 & 740', perf 2100' WSO, perfs 2176-2184', 2298-2304', 2442-2456' and 2575-2585'; 4" ld 1825-2854', pers 2740-2755', 2770-2854' (cem off); Cmt Plugs: 2954-2854' and 2854-2762'. TD 2954', PBTD 2762'.

Other 1	Other 2	Other 3	Other 4

Prepared By	Updated By	Last Updated
P.Denny	P.Denny	6/24/2022 7:45 PM

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo
1/9/1958	12.250	0	245	
2/1/1958	7.875	245	2,334	
6/23/1962	4.750	2,334	2,600	
6/23/1962	6.250	2,600	2,854	reamed
6/23/1962	4.750	2,854	2,954	

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
1/9/1958	Surface Casing	8.625	28.00		0	245
2/15/1958	Production Casing	5.500	15.50		0	2,330
6/23/1962	Liner	4.000	9.50	J55	1,821	2,854
1/1/1753	Tubing	2.375			0	2,725

Casing Cement Summary

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Memo
			5.500	740	1,866	Theoretical Void 54 cf
	1/9/1958	80	8.625	0	245	8-5/8"x12-1/4"OH, w/returns Theoretical Void 101 cf
	2/15/1958	70	5.500	1,866	2,330	5-1/2"x7-7/8"OH Theoretical Void 80 cf

Last Updated: 6/24/2022 07:45 PM

Field Name	Lease Name	Well No.	County	State	API No.
La Honda	Farrington	1	San Mateo	California	04-081-00001-0000

Version	Version Tag	Spud Date	Comp. Date	GL (ft)	KB (ft)
0	Present Condition, Idle	1/4/1958	2/15/1958	269.0	6.0

Section	Township/Block	Range/Survey	Dist. N/S (ft)	Dir. N/S	Dist. E/W (ft)	Dir. E/W	Footage From
17	07S	04W	951	FNL	1,223	FEL	from SW corner of Section 17

Operator	Well Status	Latitude	Longitude	Prop Num
The 2020 Macmillan and Peterson Family Revocable T	Idle	37.31897736	-122.32720947	

Other 1	Other 2	Other 3	Other 4

Last Updated	Prepared By	Updated By
06/24/2022 7:45 PM	P.Denny	P.Denny

Additional Information

Farrington 1 (API 0408100001) Spudded in 1958, re-work in 1962-1964 and 1965, MIT Approved (3/20/2009), Idle
4/29/2022 ORDER TO P&A WELL: weeds and junk around well w/ facilities in violation
Spudded 01/04/1958, Rig Release 2/15/1958, Completed 2/15/1958, Initial Production 11/18/1963
Location of Well at surface: 951' N and 1223' E from SW corner of S.17, T.07S, R.04W, MD B&M
La Honda Field, Main Area, San Mateo County, Northern District, CA
Present condition of well: 8-5/8" cem 245'; 5-1/2" cem 2330', cp 264 & 740', perf 2100' WSO, perfs 2176-2184', 2298-2304', 2442-2456' and 2575-2585'; 4" ld 1825-2854', pers 2740-2755', 2770-2854' (cem off); Cmt Plugs: 2954-2854' and 2854-2762'. TD 2954', PBTD 2762'.

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo
1/9/1958	12.250	0	245	
2/1/1958	7.875	245	2,334	
6/23/1962	4.750	2,334	2,600	
6/23/1962	6.250	2,600	2,854	reamed
6/23/1962	4.750	2,854	2,954	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Coupling	Top (MD ft)	Bottom (MD ft)	Memo
1/9/1958	Surface Casing		8.625	28.00			0	245	ID 8.017"
2/15/1958	Production Casing		5.500	15.50			0	2,330	ID 4.950"
6/23/1962	Liner		4.000	9.50	J55		1,821	2,854	ID 3.59"
1/1/1753	Tubing		2.375				0	2,725	

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Shoe Jt Len. (ft)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
					0	5.500	740	1,866		Theoretical Void 54 cf
	1/9/1958	80	1.15	92	0	8.625	0	245	80 sx	8-5/8"x12-1/4"OH, w/returns Theoretical Void 101 cf
	2/15/1958	70	1.15	81	0	5.500	1,866	2,330	70 sx	5-1/2"x7-7/8"OH Theoretical Void 80 cf
	2/18/1958	100	1.15	115	0	5.500	0	740	100 sx	5-1/2"x7-7/8" OH & 5-1/2"x8-5/8" Csg) returns to surface Theoretical Void 86 cf +45 cf = 131 cf
	9/22/1964	43	1.15	49	0	4.000	1,957	2,770		4"x4-3/4"OH Theroretical Void 49 cf
	9/22/1964	36	1.15	41	0	4.000	2,336	2,854	40 sx (7 sx inside)	4"x6-1/4"OH Theoretical Void 31 cf & 4"x4-3/4" OH Theoretical Void 9 cf

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
9/22/1964	Casing Damage	5.500	0.000	264	300		
9/30/1964	Casing Hole	4.000	0.000	2,642	2,672		
9/22/1964	Cavity Shot	4.000	0.000	2,854	0	Shot w/ 80% nitrogylcerine (2"x5')	
9/30/1964	Cement Tag	3.590	0.000	2,762	0	C/O	
6/23/1962	Cement Tag	4.750	0.000	2,854	0		

Last Updated: 6/24/2022 07:45 PM

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
2/18/1958	DV tool (drilled out)	5.500	0.000	740	0	c.p.	Ref pg 42 and 46 (Ref No. P 658-199)
2/23/1958	DV tool (drilled out)	5.500	0.000	2,100	0	WSO	4 HPF 1/2" holes

Cement Plug Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
	9/22/1964	23	1.15	26.45	3.590	2,762	2,854	Drilled out to 2762' (9/30/1964)	total of 23 sx Theoretical Void 7 cf
	6/23/1962	10	1.15	11.5	4.750	2,854	2,954	Tagged	Tagged Theoretical Void 12 cf

Perforation Summary

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo
	9/19/1965		Open			4 JHPF 1/2" Holes

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo
2,442	2,456	4	56		4 JHPF 1/2" Holes
2,575	2,585	4	40		4 JHPF 1/2" Holes

	Date	Stage	Perf. Status	Formation	Closed Date	Memo
	9/30/1964		Open			

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo
2,740	2,755	4	60		

	Date	Stage	Perf. Status	Formation	Closed Date	Memo
	9/22/1964		Isolated			

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo
2,770	2,854	4	336		

	Date	Stage	Perf. Status	Formation	Closed Date	Memo
	9/29/1958		Open			4 HPF 1/2" Holes

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo
2,176	2,184	4	32		4 HPF 1/2" Holes

	Date	Stage	Perf. Status	Formation	Closed Date	Memo
	2/23/1958		Open			4 HPF 1/2" Holes

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo
2,298	2,304	4	24		4 HPF 1/2" holes

Formation Top Summary

Formation Name	Top(TVD ft)	Memo
BFW	130	CDOGGR Data Book pg 1282 (Main Area La Honda)
Burns	1,120	Burns - Purisima - Pliocene CDOGGR Data Book pg 1282 (Main Area La Honda)
Costa	1,800	Costa - Butano - Eocene CDOGGR Data Book pg 1282 (Main Area La Honda)
Oil Sand #1	2,190	2190-2200' Cored
Oil Sand #2	2,238	2238-2258' Cored
Oil Sand #3	2,305	2305-2325' Cored
PBTD	2,762	

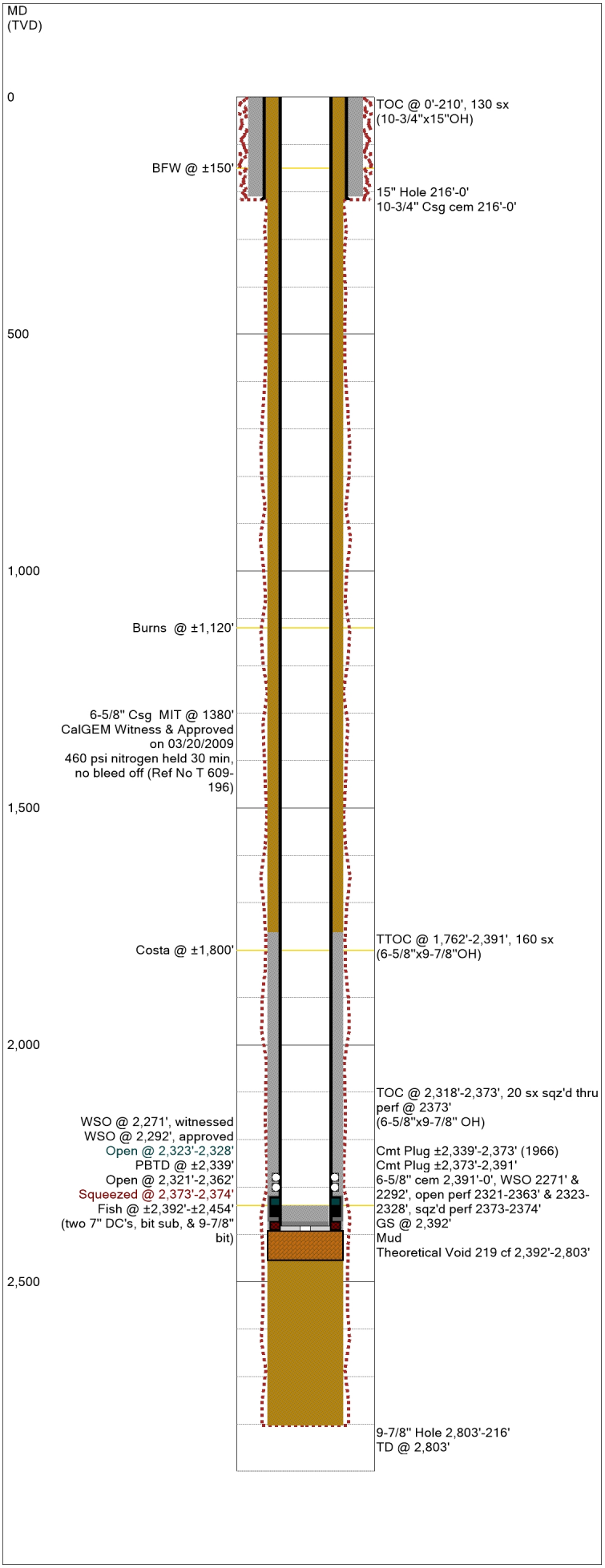
MIOCENE INC
ENGINEERING AND OPERATING SERVICES

Well Abandonment Program
The Macmillan and Peterson Family Revocable Trust

Well:	"Farrington 2" (API No. 0408100002)
Status:	Idle, KB 8'
Total Depth:	2,803', PBTD 2,339' (top of cement plug)
Casing:	10-3/4" 20# cemented to surface at 216' 6-5/8'' 19#) cemented at 2,391', TTOC 1,762', Perf WSO @ 2,271' & 2,292'
Perforations:	Open: 2,362' – 2,323'; 2,328' – 2,323' Cemented: 2,374' – 2,373'
Tubing & Rods:	Pump, rods and tubing reported (depth unknown)
BFW:	150'
Producing Zone(s):	Costa
Hole Fluid:	Water, oil and/or gas
Junk:	None reported in cased hole. Fish in open hole from 2,392' – 2,454' (9-7/8" bit, bit sub, two 7" drill collars) below 6-5/8" casing shoe.
Cement Plugs:	2,391'-2,373'; 2,373' – 2,339'

1. MIRU well service rig. Pump, rods, and tubing have been pulled during wellhead leak repair work.
2. NU and function test Class II 2M BOPE.
3. Strap in hole with 2-3/8'' tubing and tag fill. Note depth of fill. All depths noted are KB measurements unless otherwise noted. Clean out fill to 2,339'. **CalGEM to witness cleanout depth.**
4. RIH with tubing and mix and pump Class G cement from 2,339' to 2,171' or higher. **CalGEM to witness cementing operations.** WOC.
5. RIH and tag top of cement 2,171' or higher. POOH with tubing. **CalGEM to witness top of cement plug tag.**
6. With OE tubing at TOC, pump abandonment mud to 200'. **CalGEM to witness all mudding operations.**
7. POOH. NU and function test 2M lubricator. Perforate 6-5/8'' casing 4 HPF from 200' to 195'. POOH and RD lubricator and wireline.
8. RIH with OE tubing to 200'. Mix and pump sufficient Class G cement to fill the annulus and the 6-5/8'' casing to surface. **CalGEM to witness perforating and cementing operations.**
9. All casing shall be exposed and cut off 5' below ground level. Perform a leak test. **CalGEM to witness leak test.**
10. A steel plate, at least as thick as the outer well casing and bearing the last five digits of the API number, shall be tack welded around the top circumference of the outer casing. **CalGEM to witness capping operations.**
11. Survey well location latitude and longitude in NAD83 decimal degrees accurate to six decimal places and elevation of well cap. Prepare survey plat stamped by a licensed land surveyor.
12. Tear out well and backfill casing stub. **CalGEM to inspect final location**.

Alan E. White, PE
July 17, 2022



Last Updated: 6/24/2022 07:52 PM

Field Name	Lease Name	Well No.
La Honda	Farrington	2

County	State	API No.
San Mateo	California	04-081-00002-0000

Version	Version Tag
0	Present Condition (re-work 1966)

GL (ft)	KB (ft)	Section	Township/Block	Range/Survey
360.0	8.0	17	07S	04W

Operator	Well Type	Well Status
The 2020 Macmillan and Peterson Family Revocable T	OG	Idle

Latitude	Longitude
37.32031631	-122.32763672

Dist. N/S (ft)	Dir. N/S	Dist. E/W (ft)	Dir. E/W	Footage From
1390	FNL	1260	FEL	SW Corner of Section 17

Prop Num	Spud Date	Comp. Date	Plug Date
	7/8/1965	8/6/1965	

Additional Information

Farrington 2 (API 0408100002) Present Condition (Drilled in 1965, Re-work in 1966, MIT on 3/20/2009), Idle
4/29/2022 ORDER TO P&A WELL: Well found leaking in 3 places w/ facilities in violation; Proposal to fix leak on record w/CalGEM rep. K.Morgan email 06/20/2022
Spudded 07/08/1965, Rig Release 8/6/1965, Completed 8/6/1965, Initial Production 06/27/1966
Location of Well at surface: 1390' N and 1260' E from SW corner of S.17, T.07S, R.04W, MD B&M (see correction page 22 data file)
La Honda Field, Main Area, San Mateo County, Northern District, CA
Present Condition of Well: 10-3/4" (19#) Csg cem at 216'. 6-5/8" (19#) Csg cem at 2391', WSO 2271' & 2292', open perf 2321-2363' & 2323-2328', sqz'd perf 2373-2374'. Cement Plug ±2339-±2373' and ±2373-2391'. Fish ±2392-±2454'. TD 2803', PBTD ±2339'.
Variance: Plug 2339-3733' see page 24-27 data file; WSO at 2271' see page 30 and 31.
Elog 2400', no cores taken.

Other 1	Other 2	Other 3	Other 4

Prepared By	Updated By	Last Updated
P.Denny	P.Denny	6/24/2022 7:52 PM

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo
7/8/1965	15.000	0	216	
8/6/1965	9.875	216	2,803	

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
7/10/1965	Surface Casing	10.750	20.00		0	216
9/13/1965	Production Casing	6.625	19.00		0	2,391

Casing Cement Summary

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Memo
			6.625	0	2,391	6-5/8"x9-7/8" OH Theoretical Void 636 cf & 6-5/8"x10-3/4" Csg Theoretical Void 50 cf
	7/10/1965	130	10.750	0	210	10-3/4"x15"OH Theoretical void 125 cf
	9/13/1965	160	6.625	1,762	2,391	6-5/8"x9-7/8"OH Theoretical void 184 cf
	6/2/1966	14	6.625	2,318	2,373	6-5/8"x9-7/8" OH Theoretical void 16 cf

Last Updated: 6/24/2022 07:52 PM

Field Name	Lease Name	Well No.	County	State	API No.
La Honda	Farrington	2	San Mateo	California	04-081-00002-0000

Version	Version Tag	Spud Date	Comp. Date	GL (ft)	KB (ft)
0	Present Condition (re-work 1966)	7/8/1965	8/6/1965	360.0	8.0

Section	Township/Block	Range/Survey	Dist. N/S (ft)	Dir. N/S	Dist. E/W (ft)	Dir. E/W	Footage From
17	07S	04W	1,390	FNL	1,260	FEL	SW Corner of Section 17

Operator	Well Status	Latitude	Longitude	Prop Num
The 2020 Macmillan and Peterson Family Revocable T	Idle	37.32031631	-122.32763672	

Other 1	Other 2	Other 3	Other 4

Last Updated	Prepared By	Updated By
06/24/2022 7:52 PM	P.Denny	P.Denny

Additional Information

Farrington 2 (API 0408100002) Present Condition (Drilled in 1965, Re-work in 1966, MIT on 3/20/2009), Idle
4/29/2022 ORDER TO P&A WELL: Well found leaking in 3 places w/ facilities in violation; Proposal to fix leak on record w/CalGEM rep. K.Morgan email 06/20/2022
Spudded 07/08/1965, Rig Release 8/6/1965, Completed 8/6/1965, Initial Production 06/27/1966
Location of Well at surface: 1390' N and 1260' E from SW corner of S.17, T.07S, R.04W, MD B&M (see correction page 22 data file)
La Honda Field, Main Area, San Mateo County, Northern District, CA
Present Condition of Well: 10-3/4" (19#) Csg cem at 216'. 6-5/8" (19#) Csg cem at 2391', WSO 2271' & 2292', open perf 2321-2363' & 2323-2328', sqz'd perf 2373-2374'. Cement Plug ±2339-±2373' and ±2373-2391'. Fish ±2392-±2454'. TD 2803', PBTD ±2339'.
Variance: Plug 2339-3733' see page 24-27 data file; WSO at 2271' see page 30 and 31.
Elog 2400', no cores taken.

Hole Summary

Date	Diam. (in)	Top (MD ft)	Bottom (MD ft)	Memo
7/8/1965	15.000	0	216	
8/6/1965	9.875	216	2,803	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Coupling	Top (MD ft)	Bottom (MD ft)	Memo
7/10/1965	Surface Casing		10.750	20.00			0	216	ID 10.25"
9/13/1965	Production Casing		6.625	19.00			0	2,391	ID 6.092"

Casing Cement Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	Shoe Jt Len. (ft)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
					0	6.625	0	2,391	Mud	6-5/8"x9-7/8" OH Theoretical Void 636 cf & 6-5/8"x10-3/4" Csg Theoretical Void 50 cf
	7/10/1965	130	1.15	150	0	10.750	0	210	Calaveras Construction Cmt	10-3/4"x15"OH Theoretical void 125 cf
	9/13/1965	160	1.15	184	1	6.625	1,762	2,391	Calaveras Construction Cmt	6-5/8"x9-7/8"OH Theoretical void 184 cf
	6/2/1966	14	1.15	16	0	6.625	2,318	2,373	Sqz 20 sx at 2373 thru perf 2373-2374 (6 sx inside)	6-5/8"x9-7/8" OH Theoretical void 16 cf

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
9/17/1965	DV tool (drilled out)	6.625	0.000	2,271	0	WSO	Rep No P. 666-154 Variance - operator reported
9/18/1965	DV tool (drilled out)	6.625	0.000	2,292	0	WSO	4 JHPF 1/2" holes
9/10/1965	Fish	9.875	0.000	2,392	2,454	two 7" DC's, bit sub, & 9-7/8" bit	
9/13/1965	Guide Shoe	6.625	0.000	2,392	0	Csg Shoe reported at 2392' Ref P666-154, data file pg 30	

Cement Plug Summary

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
	6/2/1966		1		6.092	2,339	2,373	Theoretical Void 6.9 cf	Sqz'd 20 sx into perfs at 2373', cleaned out to 2399 on Jun 9 1966
	9/18/1965		1.15		6.092	2,373	2,391	Theoretical Void 4.25 cf	Assume plug was C/O from 2370 to 2371 on 6/2/1966 for re-perf

Last Updated: 6/24/2022 07:52 PM

C	Date	No. Sx	Yield (ft3/sk)	Vol. (ft3)	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Memo
	9/10/1965				9.875	2,392	2,803	Mud Theoretical Void 219 cf	9-7/8" open hole

Perforation Summary

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo
	6/10/1966		Open			

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo
2,323	2,328	4	20		35 gm. glass 4 JHPF 1/2" holes

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo
	5/31/1966		Squeezed			

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo
2,373	2,374	4			4 HPF 1/2" Holes

C	Date	Stage	Perf. Status	Formation	Closed Date	Memo
	9/18/1965		Open			

Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Memo
2,321	2,362	4	164		4 JHPF 1/2" Holes

Formation Top Summary

Formation Name	Top(TVD ft)	Memo
BFW	150	CDOGGR Data Book pg 1282 (Main Area La Honda)
Burns	1,120	Burns - Purisima - PlioceneCDOGGR Data Book pg 1282 (Main Area La Honda)
Costa	1,800	Costa - Butano - Eocene CDOGGR Data Book pg 1282 (Main Area La Honda)
PBTD	2,339	

County of San Mateo - Planning and Building Department

ATTACHMENT D

Site Restoration Plan
APN 082-160-090, 00 La Honda Road, San Gregorio, CA 94074

After completion of the subsurface oil well abandonment of both wells, all surface equipment including pumping units, tanks, vessels, pipe, metal debris, and trash will be removed and sold either as scrap iron or sent to a licensed disposal facility. Any visual crude oil impacted soils will be removed and confirmation samples collected and analyzed. The site surface will be returned to existing native vegetation. No trees exist on either site and the restoration will have no impact on existing trees. Any berms present will be removed back to natural grade. Water bars will be constructed on the existing roads to each site as needed for erosion control. All work will be performed under permit from San Mateo County and CalGEM. A standard CEQA summary will be prepared and submitted to CalGEM for the permit application for the subsurface abandonment.

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