

**PROPERTY/WELL TRANSFER OR ACQUISITION**

**CHEVRON U.S.A INC.—C5660**

**TO**

**CHEVRONTEXACO EXPL. & PROD., CO.—C5680**

**EFFECTIVE AUGUST 22, 2002**

**CHEVRONTEXACO EXPL. & PROD., CO.—C5680**

**TO**

**CHEVRON U.S.A INC.—C5640**

**EFFECTIVE JULY 11, 2005**

RESOURCES AGENCY OF CALIFORNIA  
 DEPARTMENT OF CONSERVATION  
 DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

David R. Dunn, Agent  
Chevron U.S.A. Inc.  
P.O. 6917  
Ventura, CA. 93006

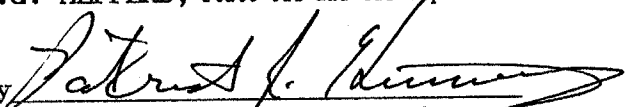
Ventura, California  
March 19, 1990

Your report of abandonment of well "C.S.O." 4,  
 A.P.I. No. 037-13004, Section 2, T. 3N, R. 17W, SB B.&M.,  
Newhall field, Los Angeles County,  
 dated 2-13-89, received 2-28-90, 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	CAPDS	BOND	EDP	FORMS	
					114	127
254	4/7/90 BH	—	BB	✓	—	✓

cc: Conservation Committee  
 Update  
 bb

M.G. MEFFERD, State Oil and Gas Supervisor

By   
 Patrick J. Kinnear, Deputy Supervisor





IN REPLY REFER TO:

# United States Department of the Interior

NATIONAL PARK SERVICE  
WESTERN REGION  
450 GOLDEN GATE AVENUE, BOX 36063  
SAN FRANCISCO, CALIFORNIA 94102

*Will file*

H3417 (WR-RRP)

January 29, 1990

*2-3-17*

*037-13004*

RI

FEB 1 1990

NTU, CALIFORNIA

D. R. Dunn, Division Manager  
Southern California Division  
Production Department  
Chevron U.S.A.  
P.O. Box 6917  
Ventura, California 93006

*"C.S.D."*

Re: Pico Well No.4 National Historic Landmark, Newhall vicinity,  
Los Angeles County, California

Dear Mr. Dunn:

This responds to your letter of January 23, 1990. From the information you provided, it appears that the current plan for the capping and abandonment of the subject well will not substantially affect the integrity of this historic well site, and that the National Park Service will not be considering the de-designation of this National Historic Landmark based on the plugging and abandonment work being undertaken.

Pursuant to our letter of October 4, 1989, to Mr. W. G. Toland of Community Affairs, the recommended treatment for the historic well site would be to retain the long-running historic function of the site as an operating oil well, even though the actual pumping equipment at the site is in no way historic. In answer to a question posed by Mr. Nick Lucidi, Ventura Production Department, to Paul Alley, National Park Service, in a telephone conversation of January 29, 1989, we believe that if the well is abandoned, the existing pumping equipment may be removed without major effect to the integrity of the National Historic Landmark site.

We so very much appreciate your special efforts to consult with the National Park Service and to minimize the negative impacts to this

National Historic Landmark caused by the abandonment of the Pico Canyon oil field.

Sincerely,

David W. Look  
Chief, Preservation Assistance Branch

David W. Look, A.I.A.  
Chief, Preservation Assistance Branch  
National Register Programs

cc:

W.G. Toland, Community Affairs, Chevron U.S.A., 575 Market Street,  
San Francisco, CA 94105

Patrick Curvin, Chevron U.S.A., Land Department, P.O. Box 606,  
La Habra, CA 90631-0606

Patrick J. Kinnear, District Deputy, Dept. of Conservation,  
Div. of Oil and Gas, 6401 Telephone Rd., Suite. 240, Ventura,  
CA. 93003-4458

WASO-NR

WASO-Hist.Div.



Chevron U.S.A. Inc.

Re-completion or Abandonment Report PRO-319

Field Newhall Property Pico Canyon

Well No. CSO 4 A.P.I. # 037-13004 Sec. 2 T. 3 N R. 17 W S.B. B. & M.

Following is a complete and correct record of all work done since the previous record dated Oct 18, 1989

Purpose of Work Abandon well

RECEIVED

Date of Report February 13, 1990

FEB 28 1990

by Chevron U.S.A. Inc.

*David Patterson*

NIJKA, CALIFORNIA

(For General Manager, Production Dept.)

Work Done By Pride 704

Commenced Operations 01-31-90 Completed Operations 02-06-90

Date Well Last Produced 1989 Date Returned to Production Abandoned

Production:

	Prior to Work	After Work
Oil	<u>1</u> B/D	<u>          </u> B/D
Water	<u>5</u> B/D	<u>          </u> B/D
Gas	<u>0</u> Mcf/D	<u>          </u> Mcf/D
Gravity	<u>          </u> ° API	<u>          </u> ° API
Tubing	<u>          </u> PSIG	<u>          </u> PSIG
Casing	<u>          </u> PSIG	<u>          </u> PSIG
Method of Production:	<u>x</u>	<u>          </u>
Pumping	<u>          </u>	<u>          </u>
Flowing	<u>          </u>	<u>          </u>
Gas Lift	<u>          </u>	<u>          </u>

Summary Total Depth: 1400' PBTD: Surface

See attached summary

Casing Detail:

7-5/8" CMT'D @ 150'

5-5/8" @ 270'

4-1/2" 153'-1260'

Plugs:

Cement plug from 20' to 1350'.

Perforations:

None. Open hole completion.

Junk in hole: None

Liner: None

DISTRIBUTION:

- VENTURA D.O.G. (2)
- SAN RAMON WELL FILES
- SECTION 741 - CONCORD
- VENTURA WELL FILES (ORIGINAL)
- V. ATTANUCCI - SANTA BARBARA AREA
- J. W. RANDALL - VENTURA, GEOLOGY
- J. BLEVINS - VENTURA

WELL NO.: Pico Canyon CSO 4  
A.F.I. NO.: 037-13004  
BUDGET CAT.: Abn  
JOB NO.: WSA94330  
PURPOSE OF WORK: Abandon well

01-31-90: M.I.R.U. POOH w/ rods and pump. SDFN.

02-01-90: Dig out cellar with back-hoe. Weld API flange on to csg. Install and test BOPE. POOH with tbq. P/U 2-3/8" work string and TIH. Tag fill @ 1350'. D.O.G. approved depth. Equalize 70 sx 6 cmt, w/3% CaCl, 15.8 ppg. @ 1345'. POOH and SDFN.

02-02-90: Open well. Tag TOC @ 813'. Equalize 85 sx Class G w/ 3% CaCl, 15.8 ppg @ 813'. No returns. WOC. Tag TOC @ 742'. Shoot 2 1/2" HPF @ 40'. Equalize 38 sx Class G w/ 3% CaCl, 13.8 ppg lightweight cmt from 742'-150'. Oil returns to surface. POOH. SDFW.

02-05-90: Open well. Tag TOC @ 372'. Equalize 50 sx 6 w/ 3% CaCl (15.8 ppg) @ 372'. Fluid returns, no cement. WOC. Tag TOC @ 175'. Equalize 50 sx 6 w/ 3% CaCl, 15.8 ppg @ 175'. Fluid returns, no cement. WOC. Tag TOC @ 90'. Equalize 50 sx 6 cmt, 3% CaCl, 15.8 ppg @ 90'. Cement returns to surface. Close csg valve and squeeze cmt. thru 2 1/2" HPF @ 40'. Cement returns around to surf. POOH to 35' and circ. clean. POOH and secure well.

02-06-90: Open well. Tag TOC @ 20'. RIH w/ 3" stinger on wellhead. Land 2-3/8" donut. RIH w/ polish rod and stuffing box. Paint wellhead. R.D.M.G.

NOTE: CSO #4 is a National Historic well. Abandonment procedures above reflect prior discussions with Chevron, Division of Oil and Gas, and the National Park Service (National Landmark Register).

As a result of these discussions, CSO #4 will retain its National Historic Landmark status. Two landmark markers will remain on the wellsite.

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

No. T290- 72

REPORT ON OPERATIONS

David R. Dunn, Agent  
Chevron U.S.A. Inc.  
P.O. Box 6917  
Ventura, CA. 93006

Ventura, California  
February 23, 1990

Your operations at well "C.S.O." 4, API No. 037-13004, Sec. 2, T. 3N, R. 17W, S.B.B.&M. Newhall Field, in Los Angeles County, were witnessed on 2/5/90. Steve Mulqueen, representative of the supervisor, was present from 1400 to 1600. There were also present Leroy Sauer.

Present condition of well: 7 5/8" ld 150'; 5 5/8" ld 270', cp 40'; 4 1/2" ld 153'-1260'; open hole 1260'-1400'. TD 1400'. Plugged w/cem 1345'-40'.

The operations were performed for the purpose of abandonment.

DECISION:

The plugging operations as witnessed and reported are approved.

l jg

SUBF INSP OK 3/15/90 BH

M.G. MEFFERD, State Oil and Gas Supervisor

By   
Patrick J. Kinnear  
Deputy Supervisor



DIVISION OF OIL AND GAS  
Cementing/Plugging Memo

SP 72

Operator CHAMPION USA, INC. Well No. " 450." 4  
 API No. 037-13004 Sec. 2, T. 2, R. 17, SB B&M  
 Field NEWHAU, County LOS ANGELES. On 2-5-90,  
 Mr. S. MULQUEEN, representative of the supervisor was present from 1400 to 1600.  
 There were also present JIM ESHREW & LEROY SAUER

Casing record of well: 7 5/8" LD 150'; 5 5/8" LD 270'; CP 40';  
4 1/2" LD 153' - 1260'; OPEN HOLE 1260' - 1400'. TD 1400.  
Plugged w/ Cem 1345' - 40'.

The operations were performed for the purpose of ABANDONMENT

The plugging/cementing operations as witnessed and reported are approved.  
 The location and hardness of the cement plug @ \_\_\_\_\_' is approved.

Hole size: \_\_\_\_\_" fr. \_\_\_\_\_' to \_\_\_\_\_', \_\_\_\_\_" to \_\_\_\_\_' & \_\_\_\_\_" to \_\_\_\_\_'

Casing			Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: \_\_\_\_\_" shot/cut at \_\_\_\_\_', \_\_\_\_\_', \_\_\_\_\_' pulled fr. \_\_\_\_\_';  
 \_\_\_\_\_" shot/cut at \_\_\_\_\_', \_\_\_\_\_', \_\_\_\_\_' pulled fr. \_\_\_\_\_'.

Junk (in hole): \_\_\_\_\_  
 Hole fluid (bailed to) at \_\_\_\_\_'. Witnessed by \_\_\_\_\_

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

SHOT 2-1/2" Hole size 40', CLEAN OUT @ 1350'

Cement Plugs		Placing	Placing Witnessed	Top Witnessed				
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt./Sample	Date & Time	Engr.
2/1/90	70 SX	TBGe 1345'	0830	B. HESSON	813'	AUTOGENT	2/2 @ 0800	B. HESSON
2/2	85 SX	TBGe 813'	"	"	742'	" "	2/2 @ 1230	B. HESSON
2/2	38 SX	TBGe 742'	"	"	372'	" "	2/5 @ 0730	B. HESSON
2/5	50 SX	TBGe 372'	0830	B. HESSON	175'	" "	2/5 1200	S. MULQUEEN
2/5	50 SX	TBGe @ 160'	1130	S. MULQUEEN	91'	" "	2/5 1230	"
2/5	50 SX	TBGe @ 91'	1600	"	40'	CIRCULATED CLEAN @ 40'	2/5 1600	"

RECEIVED

JAN 29 1990

VA  
RLM  
DEP

San Ramon  
Ventura File  
Rig

VENTURA, CALIFORNIA

January 22, 1990

REVISED ABANDONMENT PROGRAM  
PRO 316-0  
(Work to be supervised by Production)

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FIELD: Newhall                      PROPERTY: Pico Canyon                      Well: 4

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OBJECTIVE: To abandon CSO 4.

SURFACE LOCATION: ( SEC2.T3N.R17W )

Approximately 510' S and 1570' W from SW corner of NW quarter of Section 1.

Date of Original Completion: September 1876. (California's first commercial oil well - now a National Landmark)

PRESENT CONDITIONS (See attached well schematic):

Status: Shut-in 1989. Last production: 1 BOPD/ 5 BWPD/ 0 MCFD.  
Latest wellwork: May 1976      Latest tubing pull: Dec 1965

Total Depth: 1400'                      Effective Depth: 1400'

Plugs: None.

Casing: 7-5/8" landed at 150'.  
5-5/8" landed at 270'.  
4-1/2" from 153' - 1260'.  
Open hole size:  
Unknown. Speculated maximum of 5.1" from 1260' - 1400'.

Perforations:  
None. Open hole completion.

Tubing: 62, 2", 11-1/2 thread tubing. (1208')

Rods: 39, 3/4" rods.

Pump: RHB 2 X 1-1/4 X 8 X 10

Junk: None indicated.

Freshwater Sands: None.

BLOWOUT PREVENTION:

Every precaution must be taken to keep the well under control at all times. A Class II(RA) 2M BOPE shall be utilized on this well.

JAN 29 1990

REVISED ABANDONMENT PROGRAM  
Newhall Field

VENTURA, CALIFORNIA

Page 2  
CSO 4

PROGRAM

Cement specifications:

Cement to consist of class 'G' neat mixed to 15.8 ppg with fresh water.  
A 3% BWOC CaCl accelerator will be used.  
Yield = 1.15 cu ft/sack. Mix water = 4.97 gal fresh water/sack.

Check the DOG permit to insure the program complies with all requirements.

\*\*Ensure that a copy of the D.O.G. permit and the Land Clearance are "in hand" before commencement of operations.

1. Move in and rig up.
2. Fill well with lease water.
3. Install rod regan. Pull rods and pump.
4. N/U and test BOP. Division of Oil and Gas to inspect the installed BOPE before proceeding with downhole work.
5. Recover tubing string.
6. RIH with mule shoe on workstring and clean out to 1400' or as deep as possible.
7. Lay a balanced cement plug in stages from PBTD to 50'.
8. WOC. Tag TOC. Division of Oil and Gas to witness location and hardness of cement plug.
9. Perforate two holes (@180 degrees phase) at 40'.
10. RIH with workstring to 40'. Squeeze 25 sacks through perforations or until returns are received at the surface through the 7-5/8" X 5-5/8" annulus. Reverse out 35 linear feet inside 5-5/8" casing. WOC. Tag TOC. Division of Oil and Gas to witness location and hardness of cement plug.

RECEIVED

JAN 29 1990

VENTURA, CALIFORNIA

ABANDONMENT REVISED PROGRAM  
Newhall Field

Page 3  
CSO 4

- 
11. Rig down and move off. Notify Santa Barbara Area Production for surface/site preparation.
  12. Leave pumping unit and attendant surface equipment as presently installed. Do not disturb historical markers.

Production Engineering (RMQ/DEP) <sup>RMQ 1/22/90</sup> Doc 1/23/90  
Operations (LCS/RLM) Ed. Montgomery  
Area Superintendent (VA) \_\_\_\_\_

After abandonment

**FIELD:** Newhall  
**LEASE:** Pico Canyon  
**LOCATION:** Sec. 2 T3N R 17W  
**STATUS:** S/I 8/89  
**WELL:** CSO 4

**CASING:**

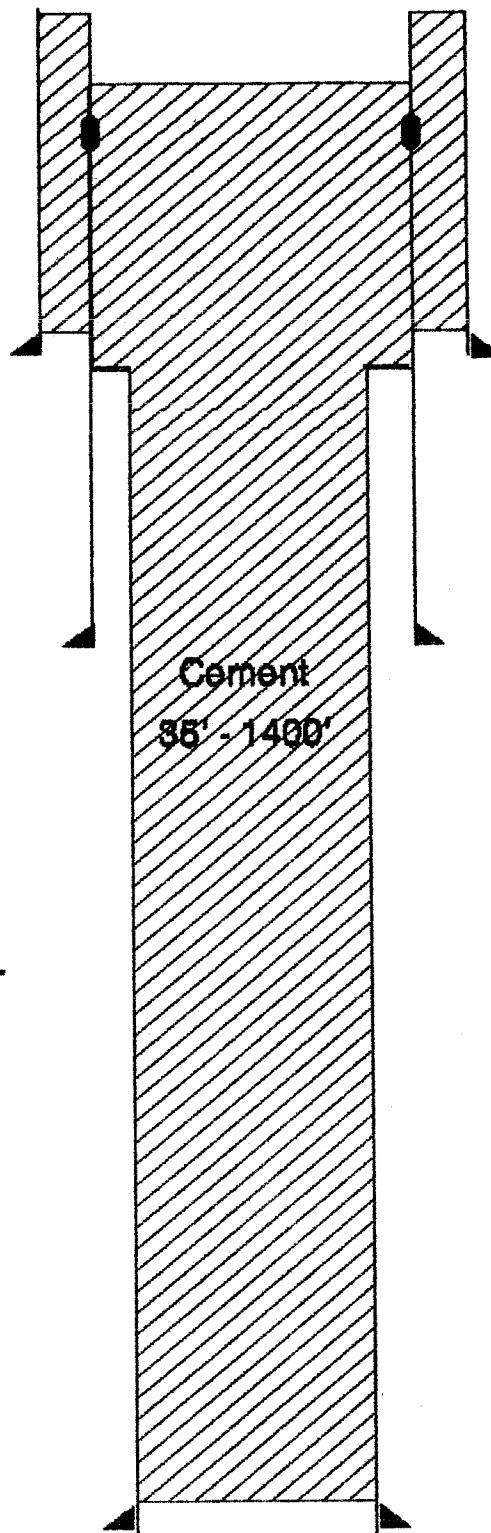
7-5/8" @ 150'  
5-5/8" @ 270'  
4-1/2" FROM 153' - 1260'

**PERFORATIONS:**

NONE. OPEN HOLE COMPLETION.

**PLUGS:**

Cement from 35' to 1400'



T.D. 1400'

RECEIVED

JAN 29 1990

VENTURA, CALIFORNIA



**Chevron U.S.A. Inc.**  
646 County Square Drive, Ventura, California  
Mail Address: P.O. Box 6917, Ventura, CA 93006

**Ventura, California**  
**December 14, 1989**

D. R. Dunn  
Division Manager  
Southern California Division  
Production Department

**Well Abandonment**  
**CSO #4, Pico Canyon Area**  
**Newhall, California**  
**File Code: NH-FE-DEV**

Deputy Supervisor  
Division of Oil and Gas  
6401 Telephone Road, Suite 240  
Ventura, California 93003-4458

**MR. P. J. KINNEAR:**

As you are aware, Chevron USA plans to abandon all remaining wells within its Pico Canyon Area located in the Newhall Field. Currently, the sub-surface abandonment work is underway and is expected to be completed by February 1, 1990. The last well proposed for abandonment on this Chevron Fee Property is the historical Pico Canyon (CSO) #4. In order that Chevron retain its National Landmark status which pertains to this well, we request that the Division of Oil and Gas consider modifying its permit requirements for the abandonment of this well.

CSO #4 is significant in that it is the first commercial oil well in California, and marks the birthplace of California's petroleum industry. For this reason the National Park Service designated the well site as a National Historic Landmark in 1966. However, after being advised of our intent to abandon this well, the National Park Service recently indicated that if Chevron, through its abandonment process, "alters the appearance and character of the site" then the Park Service may have to consider de-designation of this National Historic Landmark.

Since Chevron USA would not only like to preserve this site but also obtain abandonment approval from the Division of Oil and Gas, we are proposing, for your approval, a modified abandonment procedure unique to this well. With reference to the attached abandonment program dated 9-26-89, we are planning to only follow steps #1 thru 8. Then, in lieu of cutting and recovering the 5-5/8" casing from 50', we intend to perforate the casing at or near 40' and attempt to squeeze the annulus with cement. Therefore, we are requesting that the Division of Oil and Gas temporarily waive conditions labeled "6c" and "6d" on the attached Well Operations Permit dated October 30, 1989. As indicated, these conditions pertain to the placing of a surface plug above 50' after recovering the casing and also well site cleanup and restoration. By not enforcing these conditions, the D.O.G. will enable Chevron to preserve the well site location in a manner acceptable to the National Park Service.

Chevron's Real Estate Management Company (CREMCo) is currently evaluating the entire Pico Canyon property including the fate of this wellsite location. However, at present the eventual use of the land has not been determined. Until such time, CREMCo will continue to manage the property for Chevron USA who will continue to retain ownership. Regardless of CREMCo's determination, however, it is our understanding that completion of items "6c" and "6d" mentioned above would only need to occur if property ownership is transferred outside of Chevron and the new property owner wishes to have the well site restored to its original condition. Although we do not expect that this will occur, in the event that it did, we understand that it would be Chevron's responsibility to see that the remaining abandonment conditions (i.e. "6c" and "6d") were met. Therefore, we request that at the end of the sub-surface work the DOG approve and sign-off on the abandonment subject to completion of items "6c" and "6d" at some later date, if required by the new owner.

It should be noted that prior discussions between Mr. Nick Lucidi of Chevron USA, Mr. Paul Alley of the National Park Service, and yourself indicated that the above approach appeared acceptable to all parties. If you are in agreement please issue a revised Well Operations Permit which outlines the new procedure and states that a conditional approval will be granted at the completion of the sub-surface abandonment work. Your earliest attention to this matter would be appreciated.

Should you have any questions regarding this matter, please contact Mr. Nick Lucidi at (805)-658-4376.

  
D. R. DUNN

Attachments

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

No.P 289-381  
Field Code 498  
Area Code 09  
New Pool Code --  
Old Pool Code 00

PERMIT TO CONDUCT WELL OPERATIONS  
\*REVISED COPY

David R. Dunn, Agent  
Chevron U.S.A. Inc.  
P.O. Box 6917  
Ventura, CA. 93006

Ventura, California  
October 30, 1989

Your proposal to abandon well "C.S.O." 4,  
A.P.I. No. 037-13004, Section 2, T. 3 N, R. 17W, S.B. B.&M.,  
Newhall field, Pico Canyon area, no breakdown pool,  
Los Angeles County, dated 10/18/89, received 10/23/89, 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 1400'.
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 cementing of the well.
  - b. To witness the location and hardness of the cement plug at 50'.

\*NOTE:

1. The landowner, Chevron U.S.A. Inc. has requested that the well be left in a condition to remain a National Historic Landmark. The landowner agrees to waive placement of the surface plug and surface restoration and accepts responsibility for the well in this condition.
2. The well shall be securely capped at all times following completion of the subsurface abandonment.
3. This Division will issue final approval of abandonment operation in accordance with Chevron U.S.A. Inc.'s request of 12/14/89, upon completion of the subsurface abandonment.

SF:ljj

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



RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

No.P 289-381  
Field Code 498  
Area Code 09  
New Pool Code --  
Old Pool Code 00

PERMIT TO CONDUCT WELL OPERATIONS

David R. Dunn, Agent  
Chevron U.S.A. Inc.  
P.O. Box 6917  
Ventura, CA. 93006

Ventura, California  
October 30, 1989

Your                      proposal to abandon well "C.S.O." 4,  
A.P.I. No. 037-13004, Section 2, T. 3 N, R. 17W, S.B. B.&M.,  
Newhall field, Pico Canyon area, no breakdown pool,  
Los Angeles County, dated 10/18/89, received 10/23/89, has been  
examined in conjunction with records filed in this office.

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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 cementing of the well.
  - b. To witness the location and hardness of the cement plug at 50'.
  - 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.

SF:ljj

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

DISTRIBUTION:

D. O. G. - LONG BEACH - (2)  
SAN RAMON WELL FILE  
D. E. BURRUSS - SAN FRANCISCO  
M. A. BART - LA HABRA LAND  
V. ATTANUCCI - SANTA BARBARA AREA  
T. L. McCOLLOUGH - S. B. AREA  
VENTURA WELL FILE (ORIGINAL)

### Notice of Intention to Abandon Well

#### DIVISION OF OIL AND GAS

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
	✓	✓	✓

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well Pico Canyon "CSO 4", API No. 040371300400, Sec. 2, T. 3N, R. 17W, S.B.B. & M., Newhall Field, Los Angeles County, commencing work on October 30, 19 89.

The present condition of the well is:

- Total depth 1400'
- Complete casing record, including plugs and perforations (present hole)  
  
See attached program
- Last produced 8/1989 1 0 5  
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)  
or
- Last injected \_\_\_\_\_  
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths):

- Oil or gas shows
- Stratigraphic markers
- Formation and age at total depth
- Base of fresh water sands None present

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 PRO 316-0 (Step-by-step program).

DIVISION OF OIL AND GAS  
 RECEIVED  
 OCT 23 1989  
 VENTURA, CALIFORNIA

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address Post Office Box 6917  
(Street)  
Ventura California 93006  
(City) (State) (Zip)  
Telephone Number (805) 658-4315  
(Area Code) (Number)

CHEVRON U.S.A. INC.  
(Name of Operator)  
By D. R. DUNN, DIVISION MANAGER  
(Print Name)  
[Signature] 10/18/89  
(Signature) (Date)

VA  
FLM  
DEF

San Ramon  
Ventura File  
Rig

September 26, 1989

ABANDONMENT PROGRAM  
PRO 316-0  
(Work to be supervised by Production)

FIELD: Newhall

PROPERTY: Pico Canyon

Well: 4

OBJECTIVE: To abandon CSO 4.

SURFACE LOCATION: ( SEC2, T3N, R17W )

Approximately 510' S and 1570' W from SW corner of NW quarter of Section 1.

Date of Original Completion: September 1876. (California's first commercial oil well - now a National Landmark)

PRESENT CONDITIONS (See attached well schematic):

Status: Shut-in 1989. Last production: 1 BOPD/ 5 BWP/ 0 MCFD.  
Latest wellwork: May 1976 Latest tubing pull: Dec 1965

Total Depth: 1400'

Effective Depth: 1400'

Plugs: None.

Casing: 7-5/8" landed at 150'.  
5-5/8" landed at 270'.  
4-1/2" from 153' - 1260'.

Open hole size:

Unknown. Speculated maximum of 5.1" from 1260' - 1400'.

Perforations:

None. Open hole completion.

Tubing: 62, 2", 11-1/2 thread tubing. (1208')

Rods: 39, 3/4" rods.

Pump: RHB 2 X 1-1/4 X 8 X 10

Junk: None indicated.

Freshwater Sands: None.

BLOWOUT PREVENTION:

Every precaution must be taken to keep the well under control at all times. A Class II(RA) 2M BOPE shall be utilized on this well.

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PROGRAM

Cement specifications:

Cement to consist of class 'G' neat mixed to 15.8 ppg with fresh water.  
A 3% BWOC CaCl accelerator will be used.  
Yield = 1.15 cu ft/sack. Mix water = 4.97 gal fresh water/sack.

Check the DOG permit to insure the program complies with all requirements.

\*\*Ensure that a copy of the D.O.G. permit and the Land Clearance are "in hand" before commencement of operations.

1. Move in and rig up.
2. Fill well with lease water.
3. Install rod regan. Pull rods and pump.
4. N U and test BOP. Division of Oil and Gas to inspect the installed BOP before proceeding with downhole work.
5. Recover tubing string.
6. RIM with mule shoe on workstring and clean out to 1400' or as deep as possible.
7. Lay a balanced cement plug in stages from PBTD to 50'. (Cement to surface based on economics)
8. WCC. Tag TOC. Division of Oil and Gas to witness location and hardness of cement plug.
9. Cut and recover the 5-5/8" casing from 50'.
10. Lay the surface plug from 50' to the surface. Division of Oil and Gas to witness the placement of the surface plug.

11. Ensure 7-5/8" casing has cement to the surface.
12. Cut and recover the 7-5/8" casing string from at least 5' below ground level.
13. Notify D & C for surface abandonment. Division of Oil and Gas to witness location of top plug and inspect and approve clean up of well site.
14. Weld on 1/2" steel plate across casing stub. Identify the well on the plate.

Production Engineering (RMD/DEF) <sup>RMD 10/4</sup> DEC 10/4/89

Operations (LCS/RLM) <sup>10/4</sup> R. D. Montgomery 10-5-1989

Area Superintendent (VA) [Signature] 10-07-89 ⊕

**FIELD:** Newhall

**LEASE:** Pico Canyon

**LOCATION:** Sec. 2 T 3N R 17W

**STATUS:** S// 8/89

**WELL:** CSO 4

**CASING:**

7-5/8" @ 150'

5-5/8" @ 270'

4-1/2" FROM 153' - 1260'

**TUBING DETAIL:**

62 JTS. 2" 11-1/2 THREAD TUBING (1208')

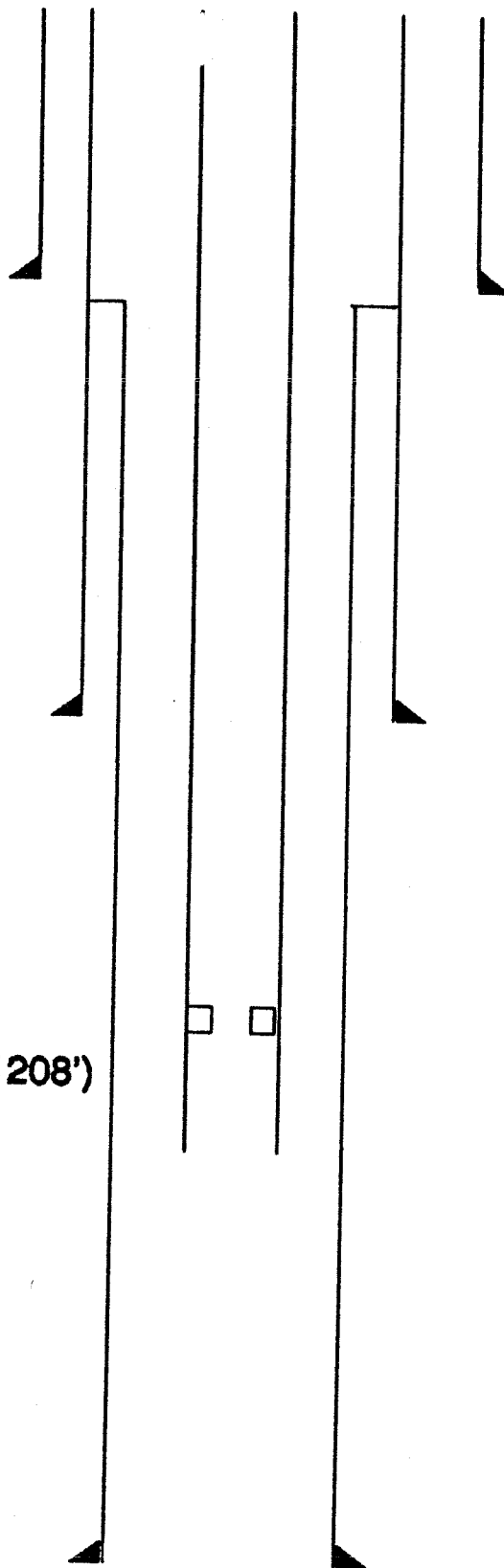
RHB 2X1-1/4X8X10 PUMP

**ROD DETAIL:**

39 JTS. 3/4"

**PERFORATIONS:**

NONE. OPEN HOLE COMPLETION.



T.D. 1400'

After Abandonment

FIELD: Newhall

LEASE: Pico Canyon

LOCATION: Sec. 2 T3N R 17W

STATUS: S// 8/89

WELL: CSO 4

**CASING:**

7-5/8" @ 150'

5-5/8" @ 270'

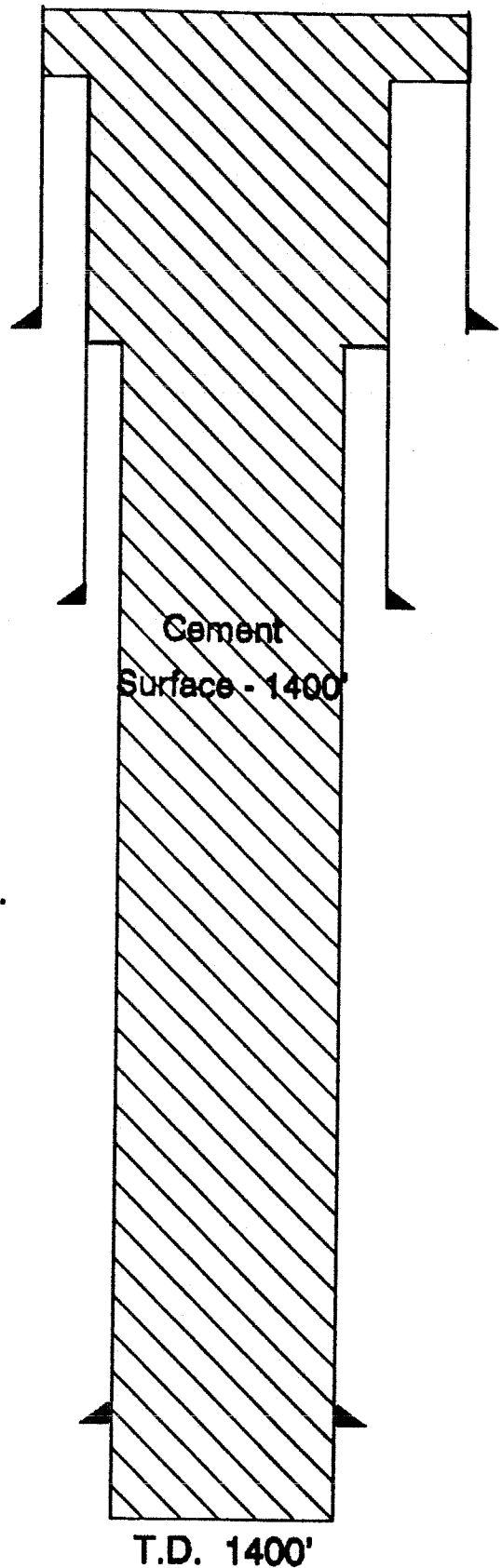
4-1/2" FROM 153' - 1260'

**PERFORATIONS:**

NONE. OPEN HOLE COMPLETION.

**PLUGS:**

Cement from Surface to 1400'





# United States Department of the Interior

NATIONAL PARK SERVICE

WESTERN REGION

450 GOLDEN GATE AVENUE, BOX 36063  
SAN FRANCISCO, CALIFORNIA 94102

IN REPLY REFER TO:

H3417 (WR-RRP)

October 4, 1989

Mr. W. G. Toland  
Community Affairs  
Chevron U.S.A.  
575 Market Street  
San Francisco, California 94105

Re: Pico Well No.4 National Historic Landmark, Newhall vicinity,  
Los Angeles County, California

Dear Mr. Toland:

We have been informed the Chevron oil field that includes Pico Well No.4 is scheduled for immediate closing. Pico Well No.4 is a National Historic Landmark designated on November 13, 1966, for its significance as the birthplace of California's petroleum industry and the first oil well of major success in the State. National Historic Landmarks comprise a small group of only the most significant historic properties in the United States and are designated through the extensive research of National Park Service historians, architects, and archeologists. We urge Chevron U.S.A. to reconsider the decision to close Pico Well No.4, and we encourage Chevron to take great pride in the significance of this long-producing well to the history of the industry and to the history of the prodigious corporation itself.

The National Park Service is responsible to provide assistance for the preservation of our National Historic Landmarks and to monitor those Landmarks that become endangered. We are therefore very concerned over the impact of the closing of the field on the historical integrity of Well No.4, which has been in continual operation since it was drilled in 1876. It is our understanding that "plugging and abandonment" work is to be undertaken at the well site within weeks. In regard to this work and its effect on the historical integrity of the National Historic Landmark, we have three major areas of concern:

- (1) the loss of the well will end the remarkably long duration of its operation, representing a loss of historic function,
- (2) the excavation, construction, and grading that may be required to plug the well may destroy any surface and subsurface remains associated with the original well, such as nineteenth-century tanks, casings, and pipelines, and



(3) the excavation, construction, and grading may alter the appearance and character of the site.

Our first concern for loss of integrity through the loss of the operating well is unavoidable if the plugging and abandonment work is to proceed. We therefore urge Chevron to continue to maintain Pico Well No.4 as California's most historic, longest producing oil well.

Regarding our other two concerns, we request that if the plugging and abandonment of Well No.4 proceeds, the work should be kept to an absolute minimum so that the historical integrity of the site and of any associated subsurface remains is retained to the greatest extent possible. Should this work compromise substantially the historical integrity of the well site, the de-designation of this National Historic Landmark would have to be considered.

We have been extended an invitation by Mr. Patrick Curvin of the Chevron Land Department, La Habra, to assist on-site during the plugging of Pico Well No.4. Due to our limited travel budget, we will be unable to consult with Mr. Curvin on site. Paul Alley of our staff at (415) 556-7741, however, will be pleased to consult with Chevron from our office regarding this matter, before or at any point during the plugging of Well No.4. If more detailed information becomes known on the nature and extent of the required work prior to its commencement, we will be available to review and comment on that work expeditiously and to determine what its effect would be on the National Historic Landmark. Also, we will be pleased to contact the Division of Oil and Gas regarding the historical significance of the well and the need for minimal intervention at the site. Finally, during or upon completion of the work, we would so very much appreciate a description of any early subsurface structures or features found in excavation and of the specific work undertaken to plug the well.

Again, we hope that Chevron U.S.A. will give very careful consideration to retaining Pico Well No.4 in operation.

Sincerely,

s/ Stanley T. Albright

Stanley T. Albright  
Regional Director, Western Region

cc:

Patrick Curvin, Chevron U.S.A., Land Department, P.O. Box 606,  
La Habra, CA 90631-0606

R. M. Quilter, Chevron U.S.A., P.O. Box 6917, Ventura, CA 93006

✓ Patrick J. Kinnear, District Deputy, Dept. of Conservation,  
Div. of Oil and Gas, 6401 Telephone Rd., Suite. 240, Ventura,  
CA. 93003-4458

WASO-NR; WASO-Hist.Div.

RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL AND GAS

REPORT OF PROPERTY AND WELL TRANSFER

Field or County **Newhall**

District **2**

Former Owner: **Standard Oil Co. of California**

Date **May 5, 1977**

Description of Property **Sections 1 & 2, T. 3N., R. 17W., S.B.B. & M.**

List of Wells **ALL WELLS**

Date of Transfer **January 1, 1977**  
New Owner: **Chevron U.S.A. Inc.**  
Address: **P. O. Box 7643**  
**San Francisco, CA 94120**  
Telephone No. **415-434-7700**

Type of Organization **Corporation**  
Reported by: **Standard Oil Co.**  
Confirmed by: **Chevron U.S.A. Inc.**  
New Operator New Status **PA**  
Request Designation of Agent **--**

, Old Operator New Status **Ab**

Remarks: **NAME CHANGE ONLY**

	INITIALS	DATE
Form 121		
New Well Cards		
Well Records		
Electric Logs		
Production Reports		
Map and Book		
Form 148		
Notice to be cancelled		
Bond status		

  
Deputy Supervisor

LEGEND	
PA	Producing Active
NPA	Non Potential Active
PI	Potential Inactive
NPI	Non Potential Inactive
Ab	Abandoned or No More Wells

037-13004 COMPLETION REPORT-NEW WELL-PRO. 18-1

WGB  
 DOC (2)  
 JHM  
 GCS

FIELD Newhall

Standard Oil COMPANY  
 of Calif.

PROPERTY G.S.O.W.

WELL NO. 4 SEC. 2 T.3-N R.17-W B&M

(Originally known as Pico #4)

LOCATION Approx. 510' South & 1570' West from S.W. Cor ELEV. 1901'  
 of N.W. 1/4 of Sec. 1, T-3-N, R. 17-W.

FOLLOWING IS COMPLETE AND CORRECT RECORD OF ALL WORK DONE ON THIS WELL

COMMENCED: RIGGING UP  
 COMPLETED: RIGGING UP  
 COMMENCED DRILLING August, 1876.  
 COMPLETED DRILLING Sept. 26, 1876.

DEPTH 1400' PLUGGED TO DATE OF INITIAL PRODUCTION

PRODUCTION (DAILY AVERAGE 1ST 30 DAYS) { FLOWING }  
 { PUMPING } BBL. OIL: Reference to file of data BBL. WATER: °A.P.I.

GAS PRODUCTION (DAILY AVERAGE 1ST 30 DAYS) M. CU. FT. GALS. GASOLINE PER M. CUBIC FEET

TUBING PRESS. CASINGHEAD PRESS. FLOW NIPPLE

CASING RECORD

SIZE OF CASING	LENGTH OF CASING	DEPTH LANDED	CEMENTED (Depth if thru perf)	WEIGHT PER FOOT	THREADS PER INCH	MAKE OF CASING	SEAMLESS OR LAPWELDED	MAKE OF SHOE
7-5/8"	150'	150'	?				Lapweld	
5-5/8"	270'	270'	?				"	
4-1/2"	1107'	1260'	?			B.M.		

CEMENTING OR OTHER SHUT OFF RECORD

SIZE OF CASING	DEPTH LANDED	DEPTH CEMENTED	NO. SACKS USED	NO. SACKS TREATED	KIND OF CEMENT	METHOD	TIME SET DAYS	RESULT OF TEST

PERFORATION RECORD

SIZE OF CASING	FROM	TO	SIZE OF HOLES OR SLOTS	NUMBER OF ROWS	SPACING (INCHES)	HOW PERFORATED

PLUG: KIND BOTTOM TOP AT  
 ADAPTER: KIND SIZE SET AT  
 ROTARY TOOLS: FROM TO FEET CABLE TOOLS: FROM TO FEET

SIDETRACKED PIPE AND LOST TOOL RECORD

No record

DRILLERS NAMES ON LAST SHEET

DATE MAY 24 1900

STANDARD OIL COMPANY OF CALIF.

BY: *[Signature]*

## WELL COMPLETION REPORT—18-4 LOG AND HISTORY

WELL NO. 4

PROPERTY C.S.O.W.

COMPANY

0	380	380	Shale & Shells (OIL at 250' & 380')
380	610	230	Good sand
610	1030	420	Sand & shale
1030	1305	275	Dark gray sand
1305	1360	55	White sand
1360	1400	40	Gray sand

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Caved badly at 270'. First OIL at 250' in shale. Tubed and pumped at 370', producing 25 barrels daily for some time. In August, 1877, commenced to deepen well. At 560' the well was flowing 70 barrels daily, and was still flowing in April, 1879 when it was rigged for pumping. In 1885 it was deepened from 610 to 1030' but it is thought the only good attained was in consequence of cleaning it out.

Data by C. A. Mentry.  
Well originally known as Pico 4.

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Cleaned out 170'. Found hard bottom at 1010'. Well commenced to flow at 1025'. The well caved some at 1045'. Well flowed every day while deepening.

July 10, 1896.

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11 feet of 2" tubing taken out of well in March, 1916.

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(Records taken from the California Star Oil Works Co.)

JHR/MJB  
5/24/30.

J. H. REINHART.