

**APPENDIX F**  
**OIL/GAS WELL RECORDS**





# Department of Conservation


[Oil, Gas & Geothermal](#)
[Well Search Help](#)
[Online Data](#)

## Division of Oil, Gas, and Geothermal Resources - Well Search

### Well Information

<b>API #</b>	<b>Lease</b>	<b>Well #</b>	<b>County</b>	<b>District</b>		
03708493	San Gabriel	4	Los Angeles[037]	1		
<b>Operator</b>	<b>Field</b>		<b>Area</b>			
Chevron U.S.A. Inc.[C5640]	Seal Beach[688]		Alamitos[03]			
<b>Section</b>	<b>Township</b>	<b>Range</b>	<b>Base</b>	<b>Well Status</b>	<b>Latitude</b>	<b>Longitude</b>
11	05S	12W	Meridian SB	Plugged & Abandoned	33.757698	118.111646

### Sum By

 County: **Los Angeles [037]**

 Field: **Seal Beach [688]**

 Operator: **Chevron U.S.A. Inc. [C5640]**

 Lease: **San Gabriel**

## Well Records

File Name	Type	Size	Modified on
03708493_1946-10-3_log.pdf	PDF	15.00 MB	2/12/2016
03708493_1946-10-3_log.tif	TIF	21.00 MB	2/12/2016
03708493_1949-12-30_RAlog.pdf	PDF	7.00 MB	2/12/2016
037084931949-12-30_RAlog.tif	TIF	11.00 MB	2/12/2016
03708493_2016-02-12_DATA.PDF	PDF	14.00 MB	2/12/2016

## Production Data

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

## REPORT OF PROPERTY AND WELL TRANSFER

Field or County Imperial Co., Wilmington, L.A. Co., W. Coyote, Montebello, Beverly Hills, Seal Beach, El Segundo, Inglewood, Rosecrans, Venice Beach, Las Cienegas, S. Salt Lake, Dominguez, Hyperion, Lawndale, Leffingwell, Long Beach, Los Angeles Downtown, Potrero, Salt Lake, Santa Fe Springs, Cheviot Hills, Sherman, Torrance, Whittier, Howard Townsite, Huntington Beach, Yorba Linda, Orange Co., Richfield, Kraemer, W. Newport, Sunset Beach, Belmont Offshore	District District 1 (Cypress, California)
Former owner ChevronTexaco Exploration & Production Co.	C5680
Date 9/23/2005	

Well Name	API Number	Section Township Range
See Attached List  For Complete List of Wells See Operator Folder (C5640) Chevron U.S.A. Inc. Dist. 1, Cypress, CA	See Attached List  For Complete List of Wells See Operator Folder (C5640) Chevron U.S.A. Inc. Dist. 1, Cypress, CA	See Attached List  For Complete List of Wells See Operator Folder (C5640) Chevron U.S.A. Inc. Dist. 1, Cypress, CA

Description of the land upon which the well (s) is (are) located.

Various

Date of transfer 7/11/2005	New owner Chevron U.S.A. Inc. <b>C5640</b>	Type of organization Corp.
	Address: 9525 Camino Media Bakersfield, CA 93311	Telephone 661/654-7065
Reported by	OG30A received in Sacramento 9/2005	
Confirmed by	Same as above	
New operator new status <b>PA</b>	Designation of Agent <b>Greg Leyendecker, Agent</b>	
Old operator new status <b>AB</b>	Remarks For further information see Operator file (C5640) Chevron U.S.A. Inc.	

<b>OPERATOR STATUS ABBREVIATIONS</b>  <i>PA - Producing Active</i> <i>NPA- No potential, Active</i> <i>PI- Potential Inactive</i> <i>NPI-No potential, Inactive</i> <i>AB-Abandoned or No More Wells</i>	Deputy Supervisor  <b>R. K. Baker</b>	Signature  <b>Richard K. Baker, District Deputy</b>
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### FORM AND RECORD CHECK LIST

	Form or Record	Initials	Date	Form or Record	Initials	Date
	Form OGD121			Map and Book		
	Operator Card	<i>CB</i>	<i>9-23-05</i>	Notice cancellations		
cc: Update; Envir Desk (2); File Conservation Committee Harold W. Bertholf, Inc. L.A. & Orange County Assessors WellStats - Cypress Dist. 1 WellStats - Sacrament HQS	Well Records	<i>CB</i>	<i>9/26/05</i>	Bond Status	<i>BB</i>	<i>9-23-05</i>
	Log Records	<i>CB</i>	<i>9/26/05</i>	EDP	<i>HOS</i>	<i>J.C 7-11-05</i>
	Production Reports			Data Base	<i>plaf DJ</i>	<i>(CB) 9-26-05</i>

# WELL TRANSFER NOTICE

Effective August 22, 2002

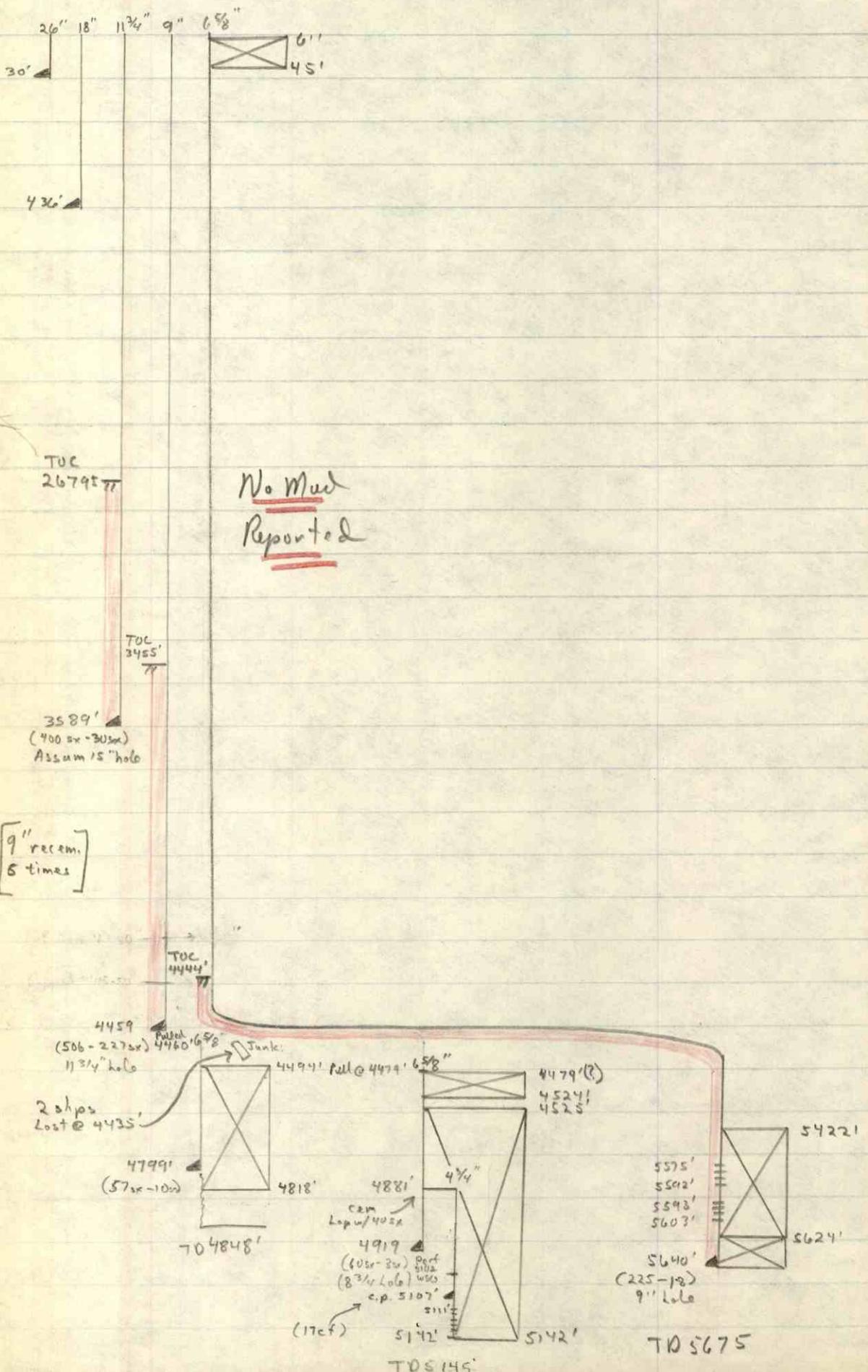
**Chevron USA Inc.  
Texaco California Inc.  
And  
Texaco Exploration and Production, Inc.**

Transferred ALL THEIR WELLS  
To

**ChevronTexaco Exploration & Production Company**

*See OGD156 dated October 18, 2002 in Operator File for ChevronTexaco  
Exploration & Production Company (C5680) for details*

"San Gabriel" 4  
Sec 11-55-12W  
DF: - 11'  
Abandoned - 4-17-59



No Mud  
Reported

9" recem.  
6 times

TUC  
26795'

TUC  
3455'

3589'  
(400 sx - 305 sx)  
Assum 15" hole

TUC  
4444'

4459'  
(506 - 227 sx)  
1 1/4" hole

2 shps  
Lost @ 4435'

4799'  
(57 sx - 102)

704848'

(17cf)

TDS 145'

4494' full @ 4474'  
6 5/8"

4881'  
can  
Lap w/ 4022

4919'  
(105 - 32) Perf  
(8 3/4 hole) was  
c.p. 5107'

5142'

4479' (?)  
4524'  
4525'

4818'

474"

5142'

5575'  
5592'  
5593'  
5603'

5640'  
(225 - 12)  
9" hole

705675'

54221

5624'

See Ownership file, CHEVRON U.S.A. INC., for Form 156 dated 1-12-77

listing all wells (Imperial, Los Angeles, and Orange Counties) transferred effective 1-1-77 from Standard Oil Co. of Calif. (change of operating name).

Form 10

CLERK

RECEIPT FOR

Date Received 4-13-59 Form 100 101 103

New Well Records

Elec. Log \_\_\_\_\_ Radio Log \_\_\_\_\_

Subsequent Work

Direct. Surv. \_\_\_\_\_ Other Data List of aband.

Well Summary \_\_\_\_\_

(100)

Location \_\_\_\_\_

Drillers Log \_\_\_\_\_

(101)

Core Record \_\_\_\_\_

(101)

Elevation \_\_\_\_\_ Clerk Scott

History \_\_\_\_\_ ✓

(103)

Prod.Repts. \_\_\_\_\_ Clerk \_\_\_\_\_

Elec.Log \_\_\_\_\_

Other \_\_\_\_\_

COMPLETED PRODUCING ON 11-28-58 ENGINEER

ABANDONED ON 11-28-58

BOND Blanket Release \_\_\_\_\_ Date Elig. \_\_\_\_\_ 150b \_\_\_\_\_

End Prem. Year \_\_\_\_\_ Release Requested \_\_\_\_\_ Superseded \_\_\_\_\_

Aband. \_\_\_\_\_ : Redrill \_\_\_\_\_

HOLD BOND \_\_\_\_\_ Reason \_\_\_\_\_ : Deepen \_\_\_\_\_

: Plug \_\_\_\_\_

Data Needed None : Alter Csg. \_\_\_\_\_

Final letter ✓ Eng. ✓ : Abandon ✓

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Inglewood ..... California

April 17 1959 .....

Mr. W C Johnson  
Box 605  
La Habra California  
Agent for STANDARD OIL CO OF CALIFORNIA

DEAR SIR:

Your report of abandonment of Well No. "San Gabriel" 4,  
Sec. 11, T. 5 S, R. 12 W, S B B. & M., Seal Beach field,  
Los Angeles County, dated March 16, 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	GARBS	BOND	FORMS	
				114	121
32 WH 4-29	WGH 4-29		Blanket		EF

RGF:es

cc Mr E H Musser  
Mr C W Gibbs  
Mr K B McNamara  
Conservation Committee  
Production Dept  
Mr L A Dutton  
Fire Prevention Bureau

E. H. MUSSER  
State Oil and Gas Supervisor

By Wm C. Bahr  
Deputy Supervisor

# STANDARD OIL COMPANY OF CALIFORNIA

Box 397, La Habra, California  
March 13, 1950

DIVISION OF OIL AND GAS  
RECEIVED  
MAR 14 1950

LOS ANGELES, CALIFORNIA

Division of Oil and Gas  
1015 W. Olympic Blvd.  
Los Angeles 15, California

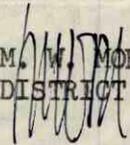
Attention: Mr. S. H. Rook

Gentlemen:

In acknowledgment of your letter of March 9, there is attached one copy of the gamma log run in our well San Gabriel #4, Seal Beach Field. This log was run between the interval of 4400-5622'.

Thank you for calling to our attention our failure to file the usual proposal covering the work which we recently completed in this well. This omission resulted from an oversight on our part.

Very truly yours,

  
M. W. MORRIS  
DISTRICT PETROLEUM ENGINEER

Attachment

1015 W. Olympic Blvd.  
Los Angeles 15, California  
March 9, 1950

FOLLOW-UP
4/7

Mr. M. W. Morris  
P. O. Box 397  
La Habra, California

District Petroleum Engineer for Standard Oil Company of California

Dear Sir:

This will acknowledge receipt of and thank you for the duplicate copies of the well summary report and history of altering of casing, covering operations at well No. "San Gabriel" 4, Sec. 11, T. 5 S., R. 12 W., S. B. B. & M., Seal Beach field.

In order to complete our records, will you please file a copy of the gamma log run in the well.

I wish to call your attention to the fact that the work reported in the history acknowledged above was done without filing a proposal.

Yours truly,

*E. H. Musser*

Deputy Supervisor

Note: Address reply to attention  
of Mr. S. H. Rook

jc

COMPLETED PRODUCING ON \_\_\_\_\_

ABANDONED ON

11-28-58

STENOGRAPHER

*Well Completion Report*

Date Received 2-14-50 Form 100 101 103

Elec. Log \_\_\_\_\_ Radio Log \_\_\_\_\_

Direct. Surv. \_\_\_\_\_ Other Data \_\_\_\_\_

Location \_\_\_\_\_

Elevation \_\_\_\_\_ Steno. Scott

ENGINEER

BOND Blanked Release \_\_\_\_\_ Date Elig. \_\_\_\_\_ 150b \_\_\_\_\_

End Prem.Yr. \_\_\_\_\_ Release Requested \_\_\_\_\_ Superseded \_\_\_\_\_ Aban. \_\_\_\_\_

HOLD BOND \_\_\_\_\_ Reason \_\_\_\_\_

Data Needed \*1 copy of Gamma log. The Company

Final Letter \_\_\_\_\_ Eng. SMP

2-16-50

- : RECEIPT FOR
- : Well Summary
- : Drillers Log \_\_\_\_\_
- : Core Record \_\_\_\_\_
- : History
- : Elec.Log \_\_\_\_\_
- : Radio Log \_\_\_\_\_
- : Direct.Surv. \_\_\_\_\_
- : Redrill \_\_\_\_\_
- : Deepen \_\_\_\_\_
- : Plug \_\_\_\_\_
- : Alter Csg.
- : Abandon \_\_\_\_\_

EB

\* Rec'd 3-14-50  
✓ See letter 3-9-50

Should be reminded that the work reported in attached history was done without filing a

OK  
*[Signature]*

RECEIVED

JET  
DOG-2  
JHT  
MC File

WELL COMPLETION REPORT PRO-18-2D

FEB 14 1950

REPERFORATING  
REDRILLING  
DEEPENING  
CORKING

FIELD SEAL BEACH STANDARD OIL COMPANY OF CALIFORNIA COMPANY

PROPERTY SAN GABRIEL WELL NO. 4 SEC. 11 T.5-S., R.12-W. S.B. B&M

FOLLOWING IS COMPLETE AND CORRECT RECORD OF ALL WORK  
DONE ON THE WELL SINCE THE PREVIOUS RECORD DATED June 5, 1947

COMMENCED WORK	December 30, 1949	TOTAL DEPTH	5675'
COMPLETED WORK	December 31, 1949	REDRILLED FROM	- TO -
ROTARY TOOLS: FROM	- TO - FEET	DEEPEMED FROM	- TO -
PURPOSE OF WORK		PLUGGED FROM	- TO -
		CABLE TOOLS: FROM	- TO - FEET

Perforate additional Lower Wasem Zone.

PRODUCTION

29 (Pro 20) Oct. '49 30 DAY AVERAGE PRIOR OR LAST AVAILABLE	5 BBL OIL	173	BBL WATER	GRAVITY 24.4	°A.P.I.
31 Jan. '50 30 DAY AVERAGE AFTER	19 BBL OIL	175	BBL WATER	GRAVITY 26.2	°A.P.I.

CASING RECORD AFTER REPERFORATING, REDRILLING, DEEPENING OR CORKING

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
26"		30	Yes	-	-	Hercules	Stovepipe	Plain
18"		436	"	-	-	"	"	"
11-3/4"		3589	"	60#	8	Nat'l.	Lapweld	"
9"		4459	"	45#	8	"	Seamless	"
6-5/8"	5625	5640	"	24&28#	10-V& 8-rnd.	Nat'l.	Seamless	Baker

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
26"	30	30	-	-	-	-	-	-
18"	436	436	250	100	Sta. Cruz	Perkins	3	Not tested.
11-3/4"	3589	3589	400	100	" "	"	4	" "
9"	4459	4459	200	100	Victor	"	8	W.N.S.O.
6-5/8"	5640	5640	225	None	Colt.sl.	Plug	3	W.N.S.O. See summary for periorating.

PERFORATION RECORD

SIZE OF CASING	FROM	TO	SIZE OF HOLES OR SLOTS	NUMBER OF ROWS	SPACING (INCHES)	HOW PERFORATED
6-5/8"	5575	5592	Six 1/2" holes/ft.			Byron-Jackson jet gun.
6-5/8"	5593	5603	Twelve 1/2" holes/foot			McCullough gun.

PLUG: Yes KIND Cement LENGTH 16' TOP AT 5624'.  
ADAPTER: No KIND - SIZE - SET AT -

SIDETRACKED PIPE AND LOST TOOL RECORD

See summary, page 27, dated June 5, 1947.

DRILLERS NAMES ON LAST SHEET  
DATE February 8, 1950

STANDARD OIL COMPANY OF CALIFORNIA  
BY J.H. Thacher, Mgr. Prod. Dept. So. Dist.  
PRO-18-2D 1500-2-457

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Discussion

This well produced 5 B/D oil and 173 B/D water during October, 1949, from 10' of the Lower Wasem Zone. Well was last bailed January 20, 1949, to 5620' with a 3-1/8" x 63' Cavins bailer.

Program (dated 11-29-49)

1. Fill hole with oil and pull rods and tubing.  
Keep hole full of oil at all times.
2. Bail hole to bottom.
3. Run Lane-Wells Gamma Ray survey. Run collar locator in conjunction with survey.
4. On basis of Gamma Ray log and collar survey, jet perforate six 1/2" holes per foot throughout correlative interval 5575-5592' on present electric log.
5. Run rods and tubing and return to production.

Work Done

December 30, 1949, American Oilwell Service, contractor, moved in equipment. Filled hole with oil and pulled rods and tubing. Ran 2-7/8" x 40' bailer to 5620'. Fluid level 3800'. Ran Lane-Wells Gamma Ray log and recorded from 4400-5624'. Correct top of plug to show top at 5624' instead of 5620' as previously reported.

December 30, ran Byron-Jackson jet perforator and shot six 1/2" holes/foot in 6-5/8" casing from 5575-5592'.

December 31, 1949, ran 2-7/8" x 40' bailer to 5624'.

-----  
December 31, 1949, hung 2-1/2" tubing at 5255' with a 2-1/2" pump shoe at 5233'.

Tubing Detail: All 169 joints, or 5255', are 2-1/2", 6.7#, H-40, 8-round thread, range 2, used, unknown make seamless tubing. Fitted on bottom from 5234' to 5255' with a 2-1/2" x 21' poorman's gas anchor. Fitted from 5233-5234' with 2-1/2" x 1' pump shoe. Fitted from 4230-4235' with a 2-1/2" x 6-5/8" x 5' tubing catcher.  
-----

San Gabriel #4  
Seal Beach

Standard Oil Company of California

30.

Ran rods and a 2-1/2" x 1-3/4" x 10' invert type pump.

Crew released at 9:30 a.m., December 31, 1949.

PRODUCTION TREND

<u>Date</u>	<u>Hrs.</u> <u>Pmpg.</u>	<u>B/D</u> <u>Oil</u>	<u>B/D</u> <u>Wtr.</u>	<u>%</u> <u>CUT</u>	<u>°API</u> <u>Grav.</u>
12-31-49	18	95*	35	27.0	
1- 1-50	24	55*	97	64.0	
2	24	(45*	113	70.0	
		( 4			
3	24	28	128	82.0	26.5
4	Off 24 hrs. - rods parted.				
5	(Reran rods				
	(15	7	98	93.3	26.0
6	24	17	180	91.0	26.5
7	24	18	169	90.0	
8	24	20	182	90.0	26.4

\*Recovered 195 bbls. circ. oil.

During January, 1950, well averaged 19 B/D oil, 175 B/D water, gravity 26.2°, for 27 days.

San Gabriel #4  
Seal Beach

Standard Oil Company of California

31.

S U M M A R Y

Total Depth: 5675'. Plugs: 5624-5640', cement bridge.

Redrilled: 4479-5145'.

Deepened: 5145-5675'.

Casing:

26"	cemented	30'	Not tested.
18"	"	436'	" "
11-3/4"	"	3589'	" "
9"	"	4459'	W.N.S.O.
6-5/8"	"	5640'	Jet perforated with six 1/2" holes/ft. 5575-5592' and gun perf. twelve 1/2" holes/ft. 5593-5603'.

Junk: (See completion report dated June 5, 1947, page 27, for details.)

Perforation Detail:

6-5/8" - 5575-5592', six 1/2" holes/foot (Byron-Jackson jet gun)  
6-5/8" - 5593-5603', twelve 1/2" holes/foot (McCullough gun)

Contractor: American Oilwell Service

Drillers:  
A. Miller  
G. Van Hooser  
L. K. Chaffin  
W. Robinson

B. RICHARDS

BR:mm  
February 8, 1950

DOG-2 ✓  
LFA  
MC-File  
Drft. Sect. File

13

RE-COMPLETION OR ABANDONMENT REPORT PRO-319-D

STANDARD OIL COMPANY OF CALIFORNIA

DIVISION OF OIL AND GAS  
RECEIVED

APR 13 1959

INGLEWOOD, CALIFORNIA

FIELD: Seal Beach

PROPERTY: "San Gabriel"

WELL NO: 4 Sec. 11, T. 5-S., R. 12-W., S.B. B.&M.

Following is complete and correct record of all work done on the well since the previous record dated February 8, 1950

PURPOSE OF WORK: Abandon Well

DATE OF REPORT: March 16, 1959

Standard Oil Company of California  
By Standard Oil Company of California  
Western Operations, Inc.

W. C. JOHNSON  
Manager, Prod. Dept., So. Div.

WORK DONE BY: California Production Service, contractor, using portable equipment.

COMMENCED OPERATIONS: November 25, 1958 COMPLETED OPERATIONS: November 28, 1958

DATE WELL LAST PRODUCED: May, 1958 DATE RETURNED TO PRODUCTION: Abandoned 11-28-58

S U M M A R Y

TOTAL DEPTH: 5675' PLUGS: 0-45'; 5422-5640', cement.  
REDRILLED: 4479-5145'  
DEEPEMED: 5145-5675'

(Summary continued next page.)

San Gabriel #4  
Seal Beach

Standard Oil Company of California

S U M M A R Y (Continued)

CASING: 26" cemented 30' Not tested.  
 18" cemented 436' Not tested.  
 11-3/4" cemented 3589' Not tested.  
 9" cemented 4459' W.N.S.O.  
 6-5/8" cemented 5640' Jet perforated with six 1/2" holes per foot  
 5575-5592' and gun perforated with twelve 1/2"  
 holes per foot 5593-5603'.

PERFORATIONS: 6-5/8" - 5575-5592', six 1/2" holes per foot (Byron-Jackson jet gun).  
 6-5/8" - 5593-5603', twelve 1/2" holes per foot (McCullough gun).

JUNK: Original Hole: 339' of 6-5/8" plugged with cement and sidetracked from  
 4460-4799'; 2 slips from combination socket lost at 4435'.  
Redrilled Hole: 440' of 6-5/8" casing plugged with cement and sidetracked  
 from 4479-4919'.  
 253' of 4-3/4" liner plugged with cement and sidetracked  
 from 4889-5142'.

	<u>Type</u>	<u>Intervals Logged</u>
LOGS RUN:	Schlumberger electric log	4470-5666'.
	Lane-Wells radioactivity log	4400-5622'.

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Discussion

San Gabriel #4, a Lower Wasem zone well, was shut-in as uneconomic in May, 1958 at which time it produced 2/108 B/D.

There are no known oil measures either shallower or deeper in which the well could be economically salvaged.

It is proposed to abandon the well without attempting to recover any casing.

Proposal (Dated November 14, 1958)

1. Plug 6-5/8" casing from 5624' to 5550' with cement.
2. Fill hole with salvage mud.
3. Hang wooden plug 20' below cellar floor and fill 6-5/8" casing with cement.
4. Weld steel plate over all casings except conductor. Clear location and abandon well.

Work Done

November 25, 1958, California Production Service, contractor, moved in and commenced work at 8:00 a.m. Pulled rods and tubing.

November 26, 1958, dumped a total of 30 sacks of cement from 5624' to 5436' with Cavins off-bottom cement dump.

November 28, 1958, located top of cement at 5422'.

Location and hardness of cement plug at 5422' witnessed and approved by Inspector W. L. Ingram of the Division of Oil and Gas.

November 28, 1958, placed a wooden plug in 6-5/8" casing at 45' and filled to surface with concrete.

34. (13)

San Gabriel #4  
Seal Beach

Standard Oil Company of California

Division of Oil and Gas waived witnessing location and hardness of surface plug.

November 28, 1958, welded steel plate on 18" casing and abandoned well in this condition.

Crew released at 6:30 p.m., November 28, 1958.

Drillers: D. Burford  
E. Garcia

DIVISION OF OIL AND GAS  
RECEIVED

APR 13 1959

INGLEWOOD, CALIFORNIA

N. TWERELL

NT:nr  
March 16, 1959

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 158-775

Mr. W C Johnson  
P O Box 605  
LA HABRA California  
Agent for STANDARD OIL CO OF CALIFORNIA

Inglewood 3 Calif.  
December 3, 1958

DEAR SIR:

Operations at your well No. "San Gabriel" 4, Sec. 11, T. 5 S, R. 12 W, S B B & M. Seal Beach Field, in Los Angeles County, were witnessed on November 28, 1958. Mr. W. Ingram, Engineer, representative of the supervisor was present from 9:30 to 10:00 a.m.. There were also present C. Zehner, Drilling Foreman.

Present condition of well: 26" cem. 30'; 18" cem. 436'; 11-3/4" cem. 3589'; 9" cem. 4459', W.N.S.O.; 6-5/8" cem. 5640', perf. 5603'-5575'. T.D. (present hole) 5675', plugged with cement 5624'-5422' T.D. (1st hole) 4487', T.D. (2nd hole) 4848', T.D. (3rd hole) 5145'.

The operations were performed for the purpose of witnessing the plugging operations in the process of abandonment.

Mr. ~~XXXXXXXXXX~~ reported:

MR. W. INGRAM, ENGINEER, WAS PRESENT AT THE WELL FROM 9:30 - 10:00 A.M., NOVEMBER REPORTED THAT on November 26, 1958, 30 sacks of cement was dumped into the hole at 5624'.

THE ENGINEER NOTED THAT the bailer was spudded on a solid plug at 5422' and brought up a sample of set cement.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 5422' ARE APPROVED.

NOTE: Mr. Zehner called on November 28, 1958, and reported that the well had been plugged at the surface, and inspection was waived by this Division.

cc K B McNamara  
C W Gibbs

WI:OH

BOMB

E. H. MUSSER  
State Oil and Gas Supervisor

By Wm C Baird Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCESDIVISION OF OIL AND GAS  
REPORT ON PROPOSED OPERATIONSNo. P 158-801Mr. W C Johnson  
P O Box 605  
LA HABRA California  
Agent for STANDARD OIL CO OF CALIFORNIAInglewood 3 Calif.  
November 18, 1958

DEAR SIR:

Your \_\_\_\_\_ proposal to abandon Well No. "San Gabriel" 4,  
Section 11, T. 5 S, R. 12 W, S B B. & M., Seal Beach Field, Los Angeles County,  
dated Nov. 14, 1958, received Nov. 17, 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 last production reported from this well was during 15 days in May, 1958, when the daily average yield was 2 bbl. of oil and 107 bbl. of water.

## THE NOTICE STATES

"The present condition of the well is:

1. Total Depth: 5675' T.D. (1st hole) 4487', T.D. (2nd hole) 4848', T.D. (3rd hole) 5145
2. Complete casing record, including plugs:  
Plugs: 5640-5624' with cement.  
26" cmt'd 30'  
18" cmt'd 436' N.T.  
11-3/4" cmt 3589'  
9" cmt'd 4459' WNSo on shoe  
6-5/8" cmt 5640' Perf 5593-5603' and 5575-5592'. WSO not tested."

## PROPOSAL

"The proposed work is

1. Plug 6-5/8" casing from 5624-5550' with cement.
2. Fill hole with salvage mud.
3. Hang wooden plug 20' below cellar floor and fill 6-5/8" casing with cement.
4. Weld steel plate over all casings except conductor. Clear location and abandon well."

## DECISION

THE PROPOSAL IS APPROVED PROVIDED THAT THIS DIVISION SHALL BE NOTIFIED TO WITNESS the location and hardness of cement plugs at 5550' and at the surface.

RGF:OH

cc K B McNamara  
C W Gibbs

E. H. MUSSER, State Oil and Gas Supervisor

By [Signature], Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
**DIVISION OF OIL AND GAS**

DIVISION OF OIL AND GAS  
RECEIVED  
NOV 17 1958

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

La Habra Calif. November 14 19 58

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. San Gabriel #4, Sec. 11, T. 5-S, R. 12-W, B. & M., Seal Beach Field, Los Angeles County, commencing work on \_\_\_\_\_ 19\_\_\_\_.

THE PRESENT CONDITION OF THE WELL IS:

- Total Depth: 5675' T.D. 1st hole 4487'  
7.0. 2nd hole 4848' T.D. 3rd hole 5745'
- Complete casing record, including plugs:  
Plugs: 5640-5624' with cement.  
26" cmt'd 30'  
18" cmt'd 436' N.T.  
11-3/4" cmt 3589'  
9" cmt'd 4459' WNSO on shoe  
6-5/8" cmt 5640' Perf 5593-5603' and 5575-5592'. WSO not tested.
- Last Produced \_\_\_\_\_ (Date) \_\_\_\_\_ (Oil, B/D) \_\_\_\_\_ (Water, B/D)

ADDITIONAL DATA FOR DRY HOLE

- Oil or Gas showings and results of tests:  
\* Lec to Frame 11/17/58
- Stratigraphic markers and depths:
- Geologic age at bottom: \_\_\_\_\_
- Base of fresh water sands: \_\_\_\_\_

THE PROPOSED WORK IS

- Plug 6-5/8" casing from 5624-5550' with cement.
- Fill hole with salvage mud.
- Hang wooden plug 20' below cellar floor and fill 6-5/8" casing with cement.
- Weld steel plate over all casings except conductor. Clear location and abandon well.

*abandon*

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
		EB	Blanket	EB	EB

Box 605, La Habra, California  
(Address)  
OWen 12251  
(Telephone No.)

STANDARD OIL COMPANY OF CALIFORNIA  
Std. Oil Co. of \_\_\_\_\_ (Name of Operator) Calif., Western Oper., Inc.  
By W. C. Johnson, Mgr., Prod. Dept., So. Div.

STENOGRAPHER

*Will Completion Report  
Red long + Deception*

Date Received 6-10-47 Form 100 \_\_\_\_\_ 101 \_\_\_\_\_ 103 \_\_\_\_\_

Elec. Log \_\_\_\_\_ Radio Log \_\_\_\_\_

Direct. Surv. \_\_\_\_\_ Other Data \_\_\_\_\_

Location \_\_\_\_\_

Elevation \_\_\_\_\_ Steno. Scott

ENGINEER

BOND Blanket Release \_\_\_\_\_ Date Elig. \_\_\_\_\_ 150b \_\_\_\_\_

End Prem. Yr. \_\_\_\_\_ Release Requested \_\_\_\_\_ Superseded \_\_\_\_\_ Aban. \_\_\_\_\_

HOLD BOND \_\_\_\_\_ Reason \_\_\_\_\_

Data Needed None

Final Letter \_\_\_\_\_ Eng. SAR  
6/13/47

1015 West Olympic Boulevard  
Los Angeles 15, California  
May 23, 1947

Standard Oil Company of California  
Box 2437 Terminal Annex  
Los Angeles 54, California

Attention: Mr. J. E. Gosline

Gentlemen:

This will acknowledge receipt of your letter of May 20 relative to an error in your completion reports, dated March 27, 1929, December 15, 1930, and November 7, 1941 covering well No. "San Gabriel" 4, Sec. 11, T. 5 S., R. 12 W., S. B. B. & M., Seal Beach field.

In accordance with your request, pages 10, 14, 16, 17 and 21 under "junk in hole" have been corrected to read "339' of 6-5/8" casing plugged with cement and sidetracked 4160'-4799'."

Yours truly,

*E. A. Musgrave*

Deputy Supervisor

es  
cc - Mr. R. D. Bush (2)

Corrections Made as Follows:	By Whom
Form 114	
" 115	
" 121	
" 148	
Cards	
Production Reports	
Well Records (Folders	
( Reports ✓	<i>E. A. Musgrave</i>
Field Maps	
Map Book	

DIVISION OF OIL AND GAS  
RECEIVED

MAY 22 1947

**STANDARD OIL COMPANY OF CALIFORNIA**

LOS ANGELES, CALIFORNIA

STANDARD OIL BUILDING

PRODUCING DEPARTMENT

J. E. GOSLINE  
MANAGER—SOUTHERN DISTRICT

LOS ANGELES 54, CALIFORNIA

May 20, 1947

Re: Completion Reports - Pro 18-2's  
San Gabriel #4 - Seal Beach

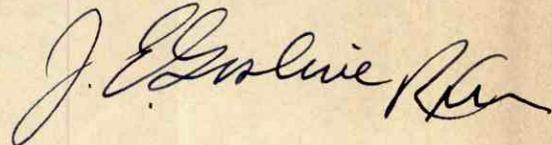
Mr. E. H. Musser, Deputy Supervisor  
Division of Oil & Gas  
1015 West Olympic Blvd.  
Los Angeles 15, California

Dear Sir:

Please refer to our Completion Reports, Pro 18-2's, on subject well, dated March 27, 1929, December 15, 1930, and November 7, 1941.

On pages 10, 14, 16, 17 and 21 under "junk in hole", change to read "339' of 6-5/8" casing plugged with cement and sidetracked 4460-4799'" instead of 4481-4799'.

Yours very truly,



# WELL COMPLETION REPORT

Page 22 JET  
 DIVISION OF OIL AND GAS  
 RECEIVED  
 DOG-2 ✓  
 NCJ  
 JUN 10 1947  
 L.A. FILE

## REDRILLING & DEEPENING ~~ABANDONING~~

FIELD **SEAL BEACH**

STANDARD OIL COMPANY OF CALIFORNIA  
 LOS ANGELES, CALIF. COMPANY  
 S.B.

PROPERTY **SAN GABRIEL**

WELL NO. **4** SEC. **11** T. **5 S.**, R. **12-W.** B & M

FOLLOWING IS COMPLETE AND CORRECT RECORD OF ALL WORK  
 DONE ON THE WELL SINCE THE PREVIOUS RECORD DATED **Nov. 7, 1941**

COMMENCED WORK	August 29, 1946	TOTAL DEPTH	5675'		
COMPLETED WORK	October 12, 1946	REDRILLED FROM	4479'	TO	5145'
		DEEPENED FROM	5145'	TO	5675'
		PLUGGED FROM	5620'	TO	5640'
ROTARY TOOLS: FROM	4479	TO	5675	FEET	
CABLE TOOLS: FROM		TO		FEET	
PURPOSE OF WORK	Deepen to Lower Wasem Zone.				

### PRODUCTION

21 Aug. 1946 (Pro-20) 30 DAY AVERAGE PRIOR OR LAST AVAILABLE Nov. 1946 (Pro-20) 30 DAY AVERAGE AFTER	13 164 BBL. OIL BBL. OIL	4 88 BBL. WATER BBL. WATER	GRAVITY GRAVITY	16.0 16.0 °A.P.I. °A.P.I.
---	-----------------------------------	-------------------------------------	--------------------	------------------------------------

### CASING RECORD AFTER REDRILLING & DEEPENING ~~OR ABANDONING~~

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
26"		30	Yes	-	-	Hercules	Stovepipe	Plain
18"		436	"	-	-	"	"	"
11-3/4"		3589	"	60#	8	Nat'l.	Lapweld	"
9"		4459	"	45#	8	"	Seamless	"
6-5/8"	5625	5640	"	24&28#	10-V & 8-rnd.	Nat'l. (new) & S.H.	"	Baker

### 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
26"	30	30	-	-	"	"	-	-
18"	436	436	250	100	Sta. Cruz	Perkins	3	Not tested.
11-3/4"	3589	3589	400	100	"	"	4	"
9"	4459	4459	200	100	Victor	"	8	W.N.S.O.
6-5/8"	5640	5640	225	None	Colt. sl.	Plug	3	W.N.S.O. Gun perf. 5593-5603'

### PERFORATION RECORD

SIZE OF CASING	FROM	TO	SIZE OF HOLES OR SLOTS	NUMBER OF ROWS	SPACING (INCHES)	HOW PERFORATED
*6-5/8"	5593	5603	Six 1/2" holes/foot			(McCullough gun)
*Reshot.						

PLUG: **Yes** KIND **Cement** LENGTH **20'** TOP AT **5620'**  
 ADAPTER: **No** KIND **-** SIZE **-** SET AT **-**

#### SIDETRACKED PIPE AND LOST TOOL RECORD

See summary, page 27.

DRILLERS NAMES ON LAST SHEET

DATE **June 5, 1947**

STANDARD OIL COMPANY OF CALIFORNIA  
 BY *J. H. Thacher*  
**J. H. Thacher, Mgr., Prod. Dept., So. Dist.**

JUN 10 1947

23.

San Gabriel #4  
Seal BeachLOS ANGELES, CALIFORNIA  
Standard Oil Company of California

This well was deepened and recompleted in the upper portion of the Lower Wasem Zone on September 24, 1941, and continued to produce until the following work started. It is now planned to deepen this well in the lower portion of the Lower Wasem Zone.

Well averaged 13 B/D oil, 4 B/D water, 31 MCF/D gas, for 21 days in August, 1946. Gravity 16.0°.

Proposal (dated 8-21-46)

1. Plug with cement from 4480-5142'.
2. Recover 6-5/8" casing from 4475'.
3. Redrill and deepen 4475-5630'.
4. Cement 1200' of 6-5/8" blank liner at 5630'.
5. Shoot four 1/2" holes at about 5540' and test water shut-off. Division of Oil and Gas to witness test.
6. Gun perforate 6-5/8" casing with four 1/2" holes per foot about 5545-5630'.
7. Complete on pump.

Work Done

August 29-September 2, 1946, Pike Drilling Company, contractor, moved in equipment and rigged up.

September 3, displaced oil in hole with water. Pumped in 85 sacks of slow Colton cement in two stages through 4-1/2" drill pipe and 2-1/2" tubing hanging at 5142' and 4861'. Located top of cement plug at 4525'.

September 4-5, ran Baash-Ross inside cutter and cut 6-5/8" casing at 4479'. Unable to pull loose. Ran McCullough stretch indicator, 6-5/8" casing free at 4350'. Ran Baash-Ross cutter and cut 6-5/8" casing at 4350'. Pulled and recovered 6-5/8" casing from where cut off at 4350', thus leaving in hole 569' of 6-5/8" from 4350-4919'.

September 6-8, jarred on 6-5/8" casing from 4350-4919'--unable to pull same loose. Ran Baash-Ross cutters and cut 6-5/8" casing at 4450', 4400', 4387' and 4375'. Ran socket and recovered 101' of 6-5/8" casing from 4451', thus leaving in hole 468' of 6-5/8" casing from 4451-4919'.

September 9-11, displaced water in hole with mud. Cleaned out hole to 4451'. Cleaned out 6-5/8" casing 4451-4495' with a 5-1/2" bit. Ran Baash-Ross spear--unable to get below 4430'. Circulated to 4451'. Ran socket and jarred on 6-5/8" casing--no recovery.

JUN 10 1947

San Gabriel #4  
Seal Beach

Standard Oil Company of California

From	To	Feet	Formation Drilled and Cored
------	----	------	-----------------------------

September 12, ran Baash-Ross cutter and out 6-5/8" casing at 4460' and 4453'. Pulled and recovered 9' of 6-5/8" casing from 4460', thus leaving in hole 459' of 6-5/8" casing from 4460-4919'.

September 13, ran Baash-Ross cutters and out 6-5/8" casing at 4479'. Pulled and recovered 19' of 6-5/8" casing from 4479', thus leaving in hole 440' of 6-5/8" fish from 4479-4919' and 253' of 4-3/4" casing 4889-5142', perforated 5111-5142'.

September 14-18, redrilled 7-7/8" hole, thus sidetracking 46' of 6-5/8" casing from 4479-4525'.

4479	4525	46	no formation logged
------	------	----	---------------------

September 18, pumped in 50 sacks of Colton cement through 3-1/2" drill pipe hanging at 4524'. Located top of cement at 4457'.

September 19-20, drilled out cement from 4457-4525' with a 7-7/8" bit.

Redrilled 7-7/8" hole, thus sidetracking 394' of 6-5/8" casing from 4525-4919' and 253' of 4-3/4" liner from 4889-5142'.

4525	4538	13	no formation logged
4538	4585	47	shale, few streaks sand
4585	4665	80	sand and sandy shale
4665	4803	138	sand
4803	4830	27	shale, streaks sand
4830	4992	162	sand, streaks shale
4992	5046	54	shale, streaks sand
5046	5145	99	sand and streaks shale

Drilled and deepened 7-7/8" hole:

5145	5244	99	sand and streaks shale
5244	5255	11	shale, streaks sand
5255	5467	212	sand and shale
5467	5475	8	shale

Underreamed 7-7/8" hole to 9" from 4540-5475' and drilled 4-3/4" hole:

5475	5477	2	no formation logged
5477	5495	18	shale, streaks sand
5495	5540	45	no formation logged
5540	5590	50	sand, streaks shale

October 1, 1946, ran Schlumberger electric log and recorded from 4459-5590'.

JUN 10 1947

San Gabriel #4  
Seal Beach

LOS ANGELES, CALIFORNIA  
Standard Oil Company of California

From To Feet Formation Drilled and Cored

Reamed 4-3/4" hole to 7-7/8" from 5475-5573' and drilled 4-3/4" hole:

5590	5610	20	sand, streaks shale
5610	5630	20	shale, streaks sand

October 2, 1946, Halliburton Formation Test 5573-5630': Set packer on square shoulder at 5573'; tail to 5592'. Open 45 minutes. Moderate steady blow for 10 minutes, and light steady blow for balance of test. Gas to surface in 15 minutes. Recovered 3800' rise in 3-1/2" drill pipe: top 720' oily mud, next 1440' gassy oil, bottom 1640' muddy water grading to clear salt water. Samples 1200' and 500' above tool and at tool tested 1539, 1621 and 1621 G/G, respectively.

Tool Assembly: Combination packer (6-1/4" wall, 4" x 6-3/4" cone), 3/8" bean, 2-7/8" x 19' tail, including 6' perforated.

Reamed 4-3/4" hole to 7-7/8" from 5573-5630' and drilled 4-3/4" hole:

5630	5666	36	sand, streaks shale
------	------	----	---------------------

October 3, 1946, ran Schlumberger electric log and recorded from 5590-5666'.

Reamed 4-3/4" hole to 7-7/8" from 5630-5643' and drilled 4-3/4" hole:

5666	5675	9	sand, streaks shale
------	------	---	---------------------

October 4, 1946, Halliburton Formation Test 5643-5675': Set packer on shoulder at 5643'; tail to 5662'. Hole open to 5675'. Open 45 minutes. Fair blow for five minutes, light heads for twenty minutes, dead for balance of test. Recovered 2572' rise in 3-1/2" drill pipe: top 90' mud, next 270' thin oily mud, next 380' oily muddy water, next 1852' muddy water grading to clear water. Samples 2212' and 1222' above tool and at tool tested 1334, 1553 and 1553 G/G, respectively.

Tool Assembly: Beach-Ross jars and safety joint. 3/8" bean. 6-3/4" x 4-1/2" cone packer, 2-7/8" x 19' tail including 6' perforated.

Underreamed 7-7/8" hole to 9" from 5475-5657'.

October 7, 1946, cemented 6-5/8" casing at 5640' with 225 sacks of slow Colton cement, mixed to an average 116-118#/cu.ft. slurry. Displaced cement with 1056 cu.ft. of mud. Used 1 top plug and 1 bottom plug with a wooden spacer. Plugs did not bump under 400-600# working and 700# final pressure. Pipe free and circulation good throughout. Moved pipe between 5640' and 5650' while cementing. Seventy minutes mixing and pumping cement to place. Used Halliburton power equipment and bulk cement.

San Gabriel #4  
Seal Beach

LOS ANGELES, CALIFORNIA  
Standard Oil Company of California

Casing Detail:

Bottom 29 joints, or 1275', are 6-5/8" O.D., 24#, J-55, 8-round thread, new, National seamless casing, fitted on bottom or at 5640', with a 7-5/8" O.D. Baker cement float shoe, and fitted at 5592' with a 7-5/8" Baker cement float collar. Fitted with B&W wall cleaning guides at 5635', 5625', 5615', 5605', 5500', 5595', 5590', 5585', 5580', 5575', 5570', 5565', 5560', 5555', 5205', 5195', 5185', 5175', 5165', 5155', 5150', 5145', 5140', 5135', 5130', 5125', 5120', 5115', 5110', 5105', 5100', 5095' and centralizers at 5630', 5570', 5210' and 5090'.

Top 150 joints, or 4365', are 6-5/8" O.D., 28#, secondhand, 10-V thread National seamless casing.

Total 179 joints, or 5640'

-----  
Cut and recovered 40' of 6-5/8" casing, 15' of which was below the derrick floor.

October 10, drilled out cement from 5527-5620'.

October 10, ran McCullough gun perforator and shot six 1/2" holes per foot in 6-5/8" casing from 5593-5603'.

Ran Yowell perforation washer--same stopped at 5588'.

Scraped inside of 6-5/8" casing from 5490-5620'.

Ran Yowell perforation washer and washed perforations from 5593-5603'; all holes closed.

October 12, ran McCullough gun perforator and reshot six 1/2" holes per foot in 6-5/8" casing from 5593-5603'.

Ran Yowell perforation washer and washed perforations from 5593-5603'; all holes open.

-----  
October 12, 1946, hung 2-1/2" tubing at 5411' with a 2-1/2" pump shoe at 5409'.

Tubing Detail:

All 173' joints, or 5411', are 2-7/8" O.D., 6.5#, H-40, 8-round thread (1 joint, 10-V) range 2, new, Spang seamless tubing, fitted at 5409', with a 2-1/2" pump shoe and fitted on bottom, or at 5411', with a 2' slotted plug.

-----

San Gabriel #4  
Seal Beach

Standard Oil Company of California  
LOS ANGELES, CALIFORNIA

Ran rods and pump.

During October, 1946, well averaged 82 B/D oil, 24 B/D water, 15 MCF/D gas, 16.0° gravity, for 5 days. (Pro-20 figures)

During November, 1946, well averaged 164 B/D oil, 88 B/D water, 35 MCF/D gas, for 30 days. (Pro-20 figures)

S U M M A R Y

Total Depth: 5675'.

Plugs: Cement bridge 5620-5640'.

Deepened: 5145-5675'.

Casing: 26" cemented 30'. Not tested.  
 18" " 436' " "  
 11-3/4" " 3589' " "  
 9" " 4459' W.N.S.O.  
 6-5/8" " 5640'. Gun perforated with six 1/2" holes per foot 5593-5603'. Reperforated with six 1/2" holes per foot 5593-5603'.

Junk: Original Hole: 339' of 6-5/8" plugged with cement and sidetracked from 4460-4799'; 2 slips from combination socket lost at 4435'.

Redrill Hole: 440' of 6-5/8" casing plugged with cement and sidetracked from 4479-4919'.

253' of 4-3/4" liner plugged with cement and sidetracked from 4889-5142'.

<u>Electric Log Markers:</u>	<u>In Hole Depth</u>	<u>Sub-sea Depth</u>		<u>In Hole Depth</u>	<u>Sub-sea Depth</u>
E	4670'	-4659'	M	5232'	-5221'
F	4802'	-4791'	O	5535'	-5524'
G	4955'	-4944'	P	5635'	-5624'
K	5112'	-5101'	Q	5655'	-5644'
L	5188'	-5177'			

Perforation Detail:

(Reshot) 6-5/8" -- six 1/2" holes per foot 5593-5603' (McCullough gun).

Contractor's Drillers:

H. F. Johnson	C. C. Martin
J. Fowler	J. H. Rosser
R. W. Smith	L. A. Jackson

ER:EM

B. RAPP

June 5, 1947

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-42417

Los Angeles 14, Calif. August 28, 1946

Mr. W. C. Johnson

Los Angeles 54, Calif.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

DEAR SIR:

Your proposal to redrill & deepen Well No. "San Gabriel" 4,  
Section 11, T5 S., R12 W., S.B. B. & M., Seal Beach Field, Los Angeles County,  
dated Aug. 21, 1946, received Aug. 26, 1946, 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:

T. D. (present hole) 5145'. Junk (1st hole) 6-5/8", 4460'-4799'; T.D. (1st hole) 4848'.  
Plugged with cement 4818'-4494'.

THE NOTICE STATES:

"The present condition of the well is as follows: Total Depth: 5145' Plugs: None

- Casing: 26" cmtd 30' not tested
- 18" cmtd 436' not tested
- 11 3/4" cmtd 3589' not tested
- 9" cmtd 4459' W.N.S.O.
- 6 5/8" cmtd. 4919' deferred decision
- 253' of 4 3/4" landed 5142' Perf'd 5111-5142'. CP'd 5107' W.S.O. on gun holes at 5102'.

Recent Production: During July 1946 averaged 12 B/D oil, 3 B/D water for 31 days."

PROPOSAL:

"The proposed work is as follows:

- 1) Plug with cement 5142-4480'.
- 2) Recover 6 5/8" casing from 4475'.
- 3) Redrill and deepen 4475-5630'.
- 4) Cement 1200' of 6 5/8" blank liner at 5630'.
- 5) Shoot four 1/2" holes at about 5540' and test water shut-off. Your division to witness test.
- 6) Gun perforate 6 5/8" csg with four 1/2" holes per foot about 5545-5630'.
- 7) Complete on pump."

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. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.

ERMA:OH

cc- J. E. Toussaint  
G. A. Collins  
Long Beach

R. D. BUSH

State Oil and Gas Supervisor

By

Deputy

Records filed 6/10/47

10-26-46  
4470-5870 Filed

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 21, 19 46

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 deepening, ~~redrilling, plugging or altering casing~~ at well No. San Gabriel #4  
(Cross out unnecessary words)

Sec. 11, T. 5 S, R. 12 W, S.B. B. & M.  
Seal Beach Field, Los Angeles County.

The present condition of the well is as follows: Total Depth: 5145' Plugs: None

Casing: 26" cmtd 30' not tested  
18" cmtd 436' not tested  
11 3/4" cmtd 3589' not tested  
9" cmtd 4459' W.N.S.O.  
6 5/8" cmtd 4919' deferred decision  
253' of 4 3/4" landed 5142' Perf'd 5111-5142'. CP'd 5107'  
W.S.O. on gun holes at 5102'.

Recent Production: During July 1946 averaged 12 B/D oil, 3 B/D water for 31 days.

The proposed work is as follows:

- 1) Plug with cement 5142-4480'.
- 2) Recover 6 5/8" casing from 4475'.
- 3) Redrill and deepen 4475-5630'.
- 4) Cement 1200' of 6 5/8" blank liner at 5630'.
- 5) Shoot four 1/2" holes at about 5540' and test water shut-off. Your Division to witness test.
- 6) Gun perforate 6 5/8" csg with four 1/2" holes per foot about 5545-5630'.
- 7) Complete on pump.

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
			Blanket 101, 906	End	End

Redrill & deepen

cc J.E.T.  
D.O.G.  
L.A. FILE  
M.C. FILE

STANDARD OIL COMPANY OF CALIFORNIA

(Name of Operator)

By J. E. Gosline  
Mgr. Prod. Dept. So. Dist.  
*J.A. Reinhart*

WELL COMPLETION REPORT PRO. 18-2

Page 12  
WGB  
DOC(2)  
JHM  
WNT  
RECEIVED  
DEC 17 1930

REDRILLING DEEPENING ABANDONING

FIELD Seal Beach

Standard Oil COMPANY of California

PROPERTY San Gabriel

WELL NO. 4

SEC. 11 T.5-S R12W-SBB & M

FOLLOWING IS COMPLETE AND CORRECT RECORD OF ALL WORK

DONE ON THE WELL SINCE THE PREVIOUS RECORD DATED March 27, 1929

TOTAL DEPTH 5032'

COMMENCED WORK October 22, 1930  
COMPLETED WORK October 28, 1930

REDRILLED FROM - TO -  
DEEPENED FROM - TO -  
PLUGGED FROM - TO -

ROTARY TOOLS: FROM - TO - FEET  
PURPOSE OF WORK

CABLE TOOLS: FROM - TO - FEET

Clean out to bottom and land liner.

PRODUCTION

22 30 DAY AVERAGE PRIOR OR LAST AVAILABLE Sept. 1930	151	BBL. OIL	211	BBL. WATER	GRAVITY 16	% A. P. I.
30 DAY AVERAGE AFTER Nov. 1930	100	BBL. OIL	186	BBL. WATER	GRAVITY 17.8	% A. P. I.

CASING RECORD AFTER REDRILLING, DEEPENING OR ABANDONING

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
26"		30	Yes	-	-	Hercules	Stovepipe	Plain
18"		436	"	-	-	"	"	"
11-3/4"		3589	"	60#	8	National	Lapweld	"
9"		4459	"	45#	8	"	Seamless	"
6-5/8"		4919	"	28#	10	"	"	"
4-3/4"	150'	5031	No	16#	10	"	"	"

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
9"	4459	4459	200	100	Victor	Perkins	8	Water not shut-off
(Recmtd. 6 times thru tubing. See History dated Aug. 15, 1927)								
6-5/8"	4919	4919	60	-	Santa Cr.	Perkins	8	Deferred decision.

PERFORATION RECORD

SIZE OF CASING	FROM	TO	SIZE OF HOLES OR SLOTS	NUMBER OF ROWS	SPACING (INCHES)	HOW PERFORATED
4-3/4"	4914	5031	110 M 1 1/2"	8	4"	Kobe.

PLUG: KIND LENGTH TOP AT  
ADAPTER: KIND Burney, Alemite type SIZE 4-3/4" SET AT 4881'

SIDETRACKED PIPE AND LOST TOOL RECORD

339' 6-5/8" casing plugged with cement and sidetracked 4460 (Cor. Let. 5-23-47es) 4481-4799'.  
2 slips from combination socket lost at 4435'.

DRILLERS NAMES ON LAST SHEET

DATE December 15, 1930

STANDARD OIL COMPANY OF CALIFORNIA

BY J. H. Menke

J. H. Menke

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

WELL NO. 4      PROPERTY San Gabriel      Standard Oil COMPANY  
of California

The well was deepened and recompleted in the Upper Wasem Zone on February 23, 1929 and for the first thirty days produced an average of 1668 bbls. of oil and 5 bbls. of water per day.

On September 7, 1929 it stopped flowing and was put on gas lift. Water began to appear in November, 1929 when the well was producing an average of 627 bbls. of oil and 13 bbls. of water per day.

During February, 1930 the average daily production was 632 bbls. of oil and 46 bbls. of water.

On March 2, 1930 the well was shut in on account of the curtailment program and stood shut in until the middle of June, 1930 when it was opened for 7 days and produced an average of 278 bbls. of oil and 195 bbls. of water per day.

After being placed on the pump on August 15, 1930 the production averaged 169 bbls. of oil and 211 bbls. of water for 13 days. On September 9, 1930 the well was put on steady production and produced without trouble until it sanded up on October 16, 1930. The 6-5/8" casing was found filled with sand to 4420' and while it was being bailed out the sand heaved up to 4000'. It was evident from this that the hole would not stay open without a liner.

On October 21 received appropriation #2292 to clean out to bottom and land liner.

### PROPOSAL

1. Clean out the hole to 5032' using oil if possible.
2. Land 150' of 4-3/4" liner at 5032', perforated between 4919' and 5032'.
3. Make production test.

### WORK DONE

Rigged up rotary and on October 25, 1930 cleaned out from 4840' to 5032' using 706 bbls. of oil as circulating fluid.

On October 26, 1930 reamed hole with 6-1/2" Smith underreamer from 4921 to 5030'. A total of 843 bbls. of oil was used while cleaning out and underreaming.

On October 27, 1930 landed 150' 5" of 4-3/4" liner at 5031', bottom 117' 2" perforated by Kobe with 8 rows, 110 mesh, 1-1/2" slots, 4" centers.

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

WELL NO. 4

PROPERTY San Gabriel

Standard Oil COMPANY  
of California

4-3/4" casing detail: Bottom 117'2" is 16# 10 thread second hand A.P.I. National seamless Grade "C" casing with Baash-Ross inserted joints, bull nose on bottom, next 29' is blank 16# 10 thread second hand A.P.I. National seamless Grade "C" with left hand thread on top. Balance is 16# 10 thread second hand seamless nipple (make and grade unknown) with Burney Adapter, Alemite Type, on top.

Ran bailer and found hole open to 5031'.

October 28, 1930 put 500# pressure with compressor on casing and placed well on pump, and on November 1, 1930 all oil used while cleaning out and underreaming was recovered.

The average daily production for the first thirty days after November 1, 1930 was 100 bbls. of oil and 186 bbls. of water, gravity 17.8.

TOTAL DEPTH: 5032'

PLUGS: None.

CASING RECORD:	26" cmtd.	30'	
	18" "	436'	- not tested
	11 1/2" "	3589'	- not tested
	9" "	4459'	- water not shut-off
	6-5/8" "	4919'	- deferred decision.

150'5" 4-3/4" landed 5031' as liner including 117'2" 110 mesh Kobe perforated between 4914' and 5031'.

JUNK: 339' of 6-5/8" plugged with cement and sidetracked from 4481' to 4799'. \*4460 (Cor. Let. 5-23-47 es)

2 slips from combination socket lost at 4435'.

DRILLERS: Stanley Herbert  
H. A. Wade  
K. S. Connally

GLK:VC

GEO. L. KLINGAMAN

# WELL COMPLETION REPORT PRO-18-2

J.E.T.  
D.O.G. (2)  
G.A.C.  
C.E.P.

REDRILLING

DEEPENING

ABANDONING

FIELD SEAL BEACH

STANDARD OIL COMPANY OF CALIFORNIA COMPANY

PROPERTY SAN GABRIEL

WELL NO. 4 SEC. 11 T. 5 S., R. 12 W./B & M

FOLLOWING IS COMPLETE AND CORRECT RECORD OF ALL WORK DONE ON THE WELL SINCE THE PREVIOUS RECORD DATED December 15, 1930

COMMENCED WORK September 6, 1941 TOTAL DEPTH 5145'

COMPLETED WORK September 24, 1941 REDRILLED FROM - TO -

DEEPENED FROM 5032' TO 5145'

PLUGGED FROM - TO -

ROTARY TOOLS: FROM 5032 TO 5145 FEET CABLE TOOLS: FROM - TO - FEET

PURPOSE OF WORK Deepen to expose top portion of Lower Wasem Zone.

## PRODUCTION

7 30 DAY AVERAGE PRIOR OR LAST AVAILABLE March 1934	22	BBL. OIL	330	BBL. WATER	GRAVITY	25.0	°A.P.I.
16 30 DAY AVERAGE AFTER Oct. 1941 (Pro. 20-D figures)	36	BBL. OIL	34	BBL. WATER	GRAVITY	26.5	°A.P.I.

## CASING RECORD AFTER REDRILLING, DEEPENING OR ABANDONING

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
26"		30	Yes	-	-	Hercules	Stovepipe	Plain
18"		436	"	-	-	"	"	"
11-3/4"		3589	"	60#	8	National	Lapweld	"
9"		4459	"	45#	8	"	Seamless	"
6-5/8"		4919	"	28#	10	"	"	"
4-3/4"	253	5142	5107	16#	6 thd. Sec.	Flsh. Unknown	"	Baker

## 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
26"	30	30						
18"	436	436	250	100	Santa Cruz	Perkins	3	Not tested
11-3/4"	3589	3589	400	100	"	"	4	"
9"	4459	4459	200	100	Victor	"	8	Water not shut off
6-5/8"	4919	4919	60	0	Santa Cruz	Perkins	8	Deferred decision
4-3/4"	5142	5107	50	0	Slow Colton Internatl.		8	W.S.O. on splice & thru holes 5102-5103'.

## PERFORATION RECORD

SIZE OF CASING	FROM	TO	SIZE OF HOLES OR SLOTS	NUMBER OF ROWS	SPACING (INCHES)	HOW PERFORATED
4-3/4"	5102	5103	1/2" gun holes	4	-	Lane-Wells gun (for shut-off test)
4-3/4"	5111	5142	1 1/2" x 130 mesh	8	6	6° undercut Kobe torch-cut

PLUG: No KIND - LENGTH - TOP AT -

ADAPTER: Yes KIND Burns hanger & adapter SIZE 5-35/64" O.D. SET AT 4889'

## SIDETRACKED PIPE AND LOST TOOL RECORD

4460 (Cor. Det. 5-23-47es)

339' of 6-5/8" casing plugged with cement and sidetracked 4461-4799';

2 slips from combination socket lost at 4435'.

DRILLERS NAMES ON LAST SHEET

DATE November 7, 1941

STANDARD OIL COMPANY OF CALIFORNIA,

BY L. B. LITTLE, Gen'l. Supt.

SAN GABRIEL WELL NO. 4 - SEAL BEACH

STANDARD OIL COMPANY OF CALIFORNIA  
LOS ANGELES, CALIFORNIA

Subsequent to cleaning well out to 5032' (bottom) and landing 4-3/4" liner in October 1930, as covered in Completion Report dated December 15, 1930, the well continued to produce until March 1934, when it was shut in for curtailment. It remained shut in until following work started.

When last produced in March 1934, averaged 22 B/D oil, 330 B/D water for 7 days, with pump at 4409', gravity 25°.

PROPOSAL (dated August 2, 1941)

1. Pull 4-3/4" liner from 5031' if possible. If unable to recover all of 4-3/4", plug same with cement 5031-4950'.
2. Recover 4-3/4" casing from about 4950', redrill and deepen to about 5150'.
3. Land 4-3/4" liner at 5150' (bottom 40' perforated), and cement through perforations at about 5110', using sufficient cement to tie 4-3/4" and 6-5/8" together above the 6-5/8" shoe at 4919'. Division of Oil and Gas to witness shut-off test through gun holes above "C.P." point in 4-3/4" liner.

WORK DONE

Starting September 6, 1941, ran 3-5/8" diamond point bit on 2-7/8" and 3-1/2" drill pipe; same stopped at 4954', washed down to 5020' with no circulation.

Washed perforations in 4-3/4" liner with oil from 5013 to 4914' with Midway washer on drill pipe.

Took hold of 4-3/4" liner at 4882' with spear and jars on drill pipe, jarred loose, and recovered all 150' of 4-3/4" liner landed at 5031'.

Deepened through 6-5/8" casing, with 5-5/8" bits, on 3-1/2" drill pipe, using oil for circulation.

<u>From</u>	<u>To</u>	<u>Feet</u>	<u>Formation</u>
5032	5046	14	sandy shale
5046	5087	41	sandy shale with thin hard streaks
5087	5100	13	sandy shale and hard sand

Cored, 5-5/8" H. C. Smith drag core:

5100	5110	10	recovered 7'
5100	5107	7	compact dark gray shale with a 3" streak of brown shaly OIL SAND at 5104'
5107	5110	3	no recovery - cored like sandy shale
5110	5120	10	recovered 10'
5110	5115	5	compact dark gray shale
5115	5120	5	firm, fine-grained dark brown OIL SAND

SAN GABRIEL WELL NO. 4 - SEAL BEACH

STANDARD OIL COMPANY OF CALIFORNIA

<u>From</u>	<u>To</u>	<u>Feet</u>	<u>Formation</u>
5120	5130	10	recovered 9'
5120	5130	10	9' loose to firm fine-grained to silty brown OIL SAND with a few scattered 4" to 6" streaks of dark gray shale. 90% OIL SAND
5130	5145	15	recovered 6'
5130	5139	9	no recovery - cored like sand
5139	5145	6	6' compact, dark gray shale with a few 2" to 4" streaks of fine-grained brown OIL SAND throughout - 10% OIL SAND

Underreamed 5-5/8" hole to 6-1/2" from 4934 to 5145', circulating oil.

-----  
 On September 12, 1941, landed 253' of 4-3/4" at 5142', bottom 31' perforated, and cemented through perforations at 5107' with 50 sacks Slow Colton cement, none treated, pumped in through 3-1/2" drill pipe connected to top of liner at 4889'. Backed off drill pipe from top of liner at 4889', pulled up to 4630' and squeezed away an estimated 17 cu. ft. of cement under 1150# final pressure. Used International Cementing Company pumps and mixer.

Casing and Perforation Detail: All 8 joints, or 253', is 4-3/4" O.D. (16# unknown make, seamless), 45Y, second-hand, range 2 casing, fitted with 6-thread Security Flush joint couplings.

Top 7 joints, or 217', is blank and fitted on top, or at 4889', with a 6-5/8" x 4-3/4" x 5-35/64" O.D. Burns plain liner hanger and adapter.

Next 5' is 4-3/4" O.D. Baker cement float collar with solid cement baffle and metal petal basket. Cement ports at 5107'.

Bottom 1 joint, or 31', is perforated from 5111 to 5142' with 8 rows, 1/2" x 130 mesh, 6" centers, 6° undercut Kobe torch-cut slots, and fitted on bottom with a 4-3/4" O.D. Baker plain steel shoe welded on. Loose in recess between shoe joint and shoe is a 1/2" steel plate perforated with 20 - 3/8" round holes.

-----

On September 13, 1941, a 5-5/8" bit went to top of 4-3/4" liner at 4889', found no cement above top of 4-3/4" liner.

Located top of cement on inside of 4-3/4" liner at 5033' with drill pipe, and replaced oil in hole with water.

After packing off between drill pipe and 6-5/8" casing, hole took water freely under 800# pump pressure.

On September 13, 1941, to recement 4-3/4"-6-5/8" splice at 4889', pumped in 40 sacks of Riverside construction cement, none treated, through 2-7/8" x 3-1/2"

SAN GABRIEL WELL NO. 4 - SEAL BEACH

STANDARD OIL COMPANY OF CALIFORNIA

drill pipe at 4884'. No squeeze was applied as it was indicated that cement had gone away without application of additional pressure. Used International Cementing Company pumps and mixer.

On September 18, 1941, drilled out set cement inside 6-5/8" casing from 4726 to 4889' (top of 4-3/4") with 5-5/8" bit and inside 4-3/4" casing from 4889 to 4918' and 5033 to 5104' with 3-3/4" bits, using oil and water mixture for circulation.

On September 19, 1941, Halliburton Splice Test (4-3/4"-6-5/8" at 4889'): Packer set in 6-5/8" casing at 4869'. Open 33 minutes. Showed no perceptible blow. Recovered 20' rise in 3-1/2" drill pipe. Top 8' oil, bottom 12' water. Tool sample tested 35 grains.

Tool Assembly: 6-5/8" Olympic packer, 3-1/2" O.D. x 16' tail (top 5' perforated), 3/8" bean in tool.

Test made for Company purposes only, as witnessing of splice test waived by Division of Oil and Gas.

On September 20, 1941, perforated 4-3/4" liner with four 1/2" gun holes 5102-5103' with Lane-Wells gun perforator.

On September 20, 1941, Halliburton Casing Test (Through gun holes 5102-5103'): Packer set in 4-3/4" casing at 5065'. Open 33 minutes. Weak steady blow for 4 minutes, weak blow by heads for 1 minute, then dead for balance of test, or 28 minutes. No gas. Recovered 20' rise of water with a scum of oil in 2-7/8" drill pipe. Tool sample tested 89 grains. Test witnessed and water shut-off (through gun holes at 5102-5103') approved by Inspector C. Corwin of Division of Oil and Gas.

Tool Assembly: 4-3/4" Olympic packer with 2-1/2" x 12' tail below (5' perforated), 3/8" bean in tool.

On September 20, ran 3-3/4" diamond point bit, and drilled out set cement 5104-5110', and cleaned out 5110-5142' (shoe of 4-3/4" liner). Cleaned out hard 5110-5142' as though some cement might have gone on down hole from "C. P." point at 5107'.

Washed perforations in 4-3/4" liner with Yowell washer on drill pipe from 5142 to 5111'. Perforations 5142-5135' were open and washed easily; perforations 5135-5111' were partially closed and were washed open with difficulty.

Ran 2-1/2" tubing to 4828', including 209' of 2" tubing on bottom, with 2" x 14' pump at 4805', and 23' of 2" anchor below. Tubing catcher at 3920'.

Placed well on pump September 24, 1941, but well sanded up and would not produce steadily, due to sand trouble, until October 10, 1941. Fine white

SAN GABRIEL WELL NO. 4 - SEAL BEACH

STANDARD OIL COMPANY OF CALIFORNIA

send and lumps of brown shale filled up to as high as 4380', and a total of 82 hours was spent in bailing out sand and bailing hole clean to 5142' during this interval.

On October 10, 1941, ran 2-1/2" tubing to 4655', including a 2" x 10' invert pump at 4633', and 22' of 2-1/2" open anchor. Ran rods and placed well on pump.

Production Record

<u>1941</u> <u>Date</u>	<u>Hrs.</u> <u>Runng.</u>	<u>Bbls.</u> <u>Oil</u>	<u>Bbls.</u> <u>Water</u>	<u>Gravity</u>	<u>% Cut</u>	<u>Hrs.</u> <u>Gauge</u>
Oct. 10	14	48*	25	27.2	9.0	14
" 11	24	53*	36	27.2	30.0	24 C.P. 75#
" 12	24	47*	44	-	4.0	24 C.P. 140#
" 16	24	50*	33	-	40.0	24 C.P. 110#
" 17	24	40*	51	-	56.0	24 C.P. 110#
" 18	24	41	44	-	52.0	24
" 19	24	42	45	-	52.0	24
" 20	24	34	36	-	52.0	24

\*Note: Used a total of 542 bbls. net recoverable circulating oil, av. gravity 28.8°, av. cut 1%, from September 6 to 11, 1941, inclusive, all of which was recovered, as well as 27 bbls. of new production, by October 17, 1941.

For 16 days in October 1941, after recovering circulated oil, averaged 36 bbls. oil and 34 bbls. water, gravity 26.5° (Pro. 20-D figures).

S U M M A R YTotal Depth: 5145'Plugs: None.

Casing: 26" cemented 30' - not tested  
 18" " 436' - " "  
 11-3/4" " 3589' - " "  
 9" " 4459' - water not shut-off  
 6-5/8" " 4919' - deferred decision  
 253' 4-3/4" landed 5142', bottom 31' perforated and cemented through perforations at 5107', gun perforated 5102-5103' with four 1/2" holes. Water shut-off at splice 4889' and through gun holes at 5102-5103'

4460 (CorLet. 5-23-47 es)

Junk: 339' of 6-5/8" plugged with cement and sidetracked from 4491 to 4799'; 2 slips from combination socket lost at 4435'.

Drillers:Rotary

T. J. Hirigoyen

Clyde C. Kelly

C. A. Reynolds

T. J. Holt

E. C. Pinard

F. W. Waer

Cable Tool

W. E. Brandt

F. U. Rhyner

H. B. Countess

Edwin Smith

E. C. Peterman

Nov. 7, 1941

J. R. RUSSELL.

JRR:GN

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-40112

Los Angeles, Calif. September 26, 1941.

Mr. L. B. Little,

Los Angeles, Calif.

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Agent for STANDARD OIL COMPANY OF CALIFORNIA

DEAR SIR:

Operations at your well No. "SAN GABRIEL" 4 Sec. 11, T. 5S., R. 12W., S. B. B. & M., Seal Beach Field, in Los Angeles County, were witnessed by Chas. Corwin, Inspector, representative of the supervisor, on September 20, 1941. There was also present J. B. McNamara, Engineer, and G. F. Stanford, Drilling Foreman,

Casing Record 26" cem. 30', 18" cem. 436', 11-3/4" cem. 3589', not tested; 9" cem. 4459' w. n. s. o.; 6-5/8" cem. 4919', def. dec.; 4-3/4" liner id. 4889'-5142', c. p. 5107', perf. 5111'-5142' and 4 holes at 5103'. T. D. (present hole) 5145', plugged with cement 5107'-5104'.	Junk (sidetracked) 6-5/8" 4460'-4799'. T. D. (1st hole) 4848', plugged with cement 4818'-4494'.
---	---

The operations were performed for the purpose of demonstrating that no fluid has access to the well through the perforations at 5103'.

and the data and conclusions are as follows:

THE INSPECTOR ARRIVED AT THE WELL AT 10:00 A. M. AND MR. McNAMARA REPORTED THE FOLLOWING:

1. All of the 4-3/4" liner was recovered.
2. A 6-1/2" rotary hole was drilled from 5031' to 5145'.
3. On September 12, 1941, 253' of 4-3/4" - 16 lb. casing, including 31' of perforated, was landed at 5142' and was cemented through perforations at 5107' with 50 sacks of Slow Colton cement.
4. On September 12, 1941, 40 sacks of Slow Colton cement was pumped into the hole through 3" tubing hanging at 4884'.
5. Cement was drilled out of the 6-5/8" and 4-3/4" casing from 4726' to 4918' and 5033' to 5104', equivalent to 27 and 6 sacks, respectively.
6. The 4-3/4" liner was perforated with 4 - 1/2" holes at 5103'.
7. The Halliburton tester was run into the hole on 2-1/2" drill pipe.
8. The wall packer was set at 5065'.
9. The tester valve was opened at 6:55 a. m. and remained open 33 minutes. During this interval there was a weak blow for 4 minutes, weak heads for 1 minute, and dead for the remainder of the test.

THE INSPECTOR NOTED THE FOLLOWING:

1. When the drill pipe was removed 20' of light drilling fluid was found in the drill pipe above the tester, equivalent to 0.1 bbl.

R. D. BUSH

State Oil and Gas Supervisor

By (CONTINUED ON PAGE 2) Deputy



STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

# DIVISION OF OIL AND GAS

Report on Test of Water Shut-off  
OR

No. T 1-40112

Page 2

Special Report on Operations Witnessed

STANDARD OIL COMPANY OF CALIFORNIA

Well No. "SAN GABRIEL" 4, Sec. 11, T. 5S., R. 12W., S. B. B. & M.,

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 33 minutes.

The test was completed at 10:30 a. m.

THE OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED AS INDICATING THAT fluid does not have access to the well through the perforations at 5103'.

cc- Company  
 J. E. Toussaint  
 Long Beach  
 CC:G  
*S/AM*

R. D. BUSH  
State Oil and Gas Supervisor

By E. H. Musser Deputy  
*E.H.M.*

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-36704

Los Angeles, Calif. August 6, 19 41.

Mr. L. B. Little,

Los Angeles, Calif.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

DEAR SIR:

Your redrill & deepen proposal to Well No. "SAN GABRIEL" 4,  
Section 11, T5S., R. 12W., S. B. B. & M., Seal Beach Field, Los Angeles County,  
dated Aug. 2, 19 41, received Aug. 5, 19 41, 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: Total Depth: 5032' Plugs: None

Casing: 26" cemented 30'  
18" " 436', not tested  
11 3/4" " 3589' " "  
9" " 4459', water not shut-off.  
6 5/8" " 4919', deferred decision  
150' of 4 3/4" landed 5031', perforated 4914'-5031'.  
Junk: 339' of 6-5/8" sidetracked 4481'-4791', plugged with cement 4494'-4791'. Two  
slips from combination socket lost at 4435'.  
Last Production: March 1934, averaged 22 B/D Oil and 330 B/D water for 7 days. Standing  
shut in since April, 1934."

PROPOSAL:

- "The proposed work is as follows: (Confirming conversation Collins-Crown)
- (1) Pull 4 3/4" liner from 5031' if possible. If unable to recover all of 4 3/4", plug same with cement 5031' to 4950'.
  - (2) Recover 4 3/4" casing from about 4950', redrill and deepen to about 5150'.
  - (3) Land 4 3/4" liner at 5150' (bottom 40' perforated), and cement same through perforations at about 5110', using sufficient cement to tie 4 3/4" and 6 5/8" together above the 6 5/8" shoe at 4919'."

DECISION:

THE PROPOSAL IS APPROVED.

cc- Company  
J. E. Toussaint  
Long Beach  
ERMA:G

*R/m*

R. D. BUSH  
State Oil and Gas Supervisor

By E. J. Aguilera Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS  
RECEIVED  
AUG 5 - 1941  
LOS ANGELES, CALIFORNIA

D.O.G.  
J.E.T.  
G.A.C.  
C.E.P.

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 2, 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 deepening & redrilling, ~~plugging or~~ altering casing at well No. "San Gabriel #4"  
(Cross out unnecessary words)

, Sec. 11, T. 5-S, R. 12 W, S.B. B. & M.  
Seal Beach Field, Los Angeles County.

The present condition of the well is as follows: Total Depth: 5032' Plugs: None

Casing: 26" cemented 30'  
18" " 436', not tested  
11 3/4" " 3589', " "  
9" " 4459', water not shut-off.  
6 5/8" " 4919', deferred decision  
150' of 4 3/4" landed 5031', perforated 4914'-5031'.

Junk: 339' of 6-5/8" sidetracked 4481'-4791', plugged with cement 4494'-4791'. Two slips from combination socket lost at 4435'.

Last Production: March 1934, averaged 22 B/D Oil and 330 B/D water for 7 days. Standing shut in since April, 1934.

The proposed work is as follows: (Confirming conversation Collins-Crown)

- (1) Pull 4 3/4" liner from 5031' if possible. If unable to recover all of 4 3/4", plug same with cement 5031' to 4950'.
- (2) Recover 4 3/4" casing from about 4950', redrill and deepen to about 5150'.
- (3) Land 4 3/4" liner at 5150' (bottom 40' perforated), and cement same through perforations at about 5110', using sufficient cement to tie 4 3/4" and 6 5/8" together above the 6 5/8" shoe at 4919'.

*red + deep*

Shape	Width	Height	Material	Remarks
				✓
				✓

STANDARD OIL COMPANY OF CALIFORNIA

(Name of Operator)

By L. B. Little, Gen'l Supt.

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINES AND MINING

DEPARTMENT OF PETROLEUM AND GAS

Special Report on Operations Witnessed

No. T-1-16613

Los Angeles Cal. January 29 192 9

Mr. L. B. Little

Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA Company

DEAR SIR:

Operations at your well No. "SAN GABRIEL" 4 Section 11, T. 5 S, R. 12 W, S. B. B. & M., Seal Beach Oil Field, in Los Angeles County, were witnessed by

W. A. Clark, representative of the supervisor, on January 19, 192 9. There were also present W. Hardley, Engineer, and Elmer Preston, Driller

Casing Record 18" S.P. cem. 436'; 11 1/2" cem. 3589' not tested; 9" cem. 4459' W.H.S.O. Junk: 6-5/8", 4460-4799'. Total depth old hole 4848', plugged with cement 4848'-4460'

The operations were performed for the purpose of demonstrating that the formations between 4459' and 4934' were mudded until the loss was not more than 2 bbl. per hr.

and the data and conclusions are as follows:

MR. HARDLEY REPORTED THE FOLLOWING:

1. An 8 1/2" rotary hole was drilled from 4459' to 4934'.
2. The 6-5/8" casing was cut and pulled from 4460' and sidetracked from 4460'-4799'.
3. Mud fluid was circulated for 1 hr. prior to the test.
4. No record was kept of the loss of mud fluid prior to the test.
5. The drill pipe was hanging at 4930' during the test.
6. Cores were taken at the following important depths:  
4903'-4919', hard shale  
4919'-4934', hard shale and streaks of oil sand in upper part.

THE INSPECTOR NOTED that during a circulation test from 8:45 a.m. to 9:15 a.m. mud fluid was lost from the pit at the rate of 2 bbl. per hr.

THE MUDDING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED

Oral approval given to cement 6-5/8" casing at 4919' is hereby confirmed.

cc-J.M.Atwell  
G.L.Andrews  
Long Beach

WAC:BB

R. D. BUSH  
State Oil and Gas Supervisor

By E. Auger Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINES AND MINING

DEPARTMENT OF PETROLEUM AND GAS

Report on Test of Water Shut-off  
(PRODUCTION)

No. T -1-16748

Los Angeles

Cal.

February 11 1929

Mr. L. B. Little

Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA ~~Company~~

DEAR SIR:

Your well No. "SAN GABRIEL" 4 Section 11, T. 5 S, R. 12 W, S. B. B. & M.,  
Seal Beach Oil Field, in Los Angeles County,

was subjected to production test for water shut-off, between - 1929, and - 1929  
Time and date Time and date

Mr. W. A. Clark, designated by the supervisor, was present on

February 1 1929, as prescribed in Section 19, Chapter 718, Statutes 1915, as amended, and there were  
Time and date  
also present W. E. Eardley, Engineer

Location of the water tested above 4919'

Depth and manner of water shut-off the 6-5/8" 28 lb. csg. was cem. on Jan. 22, 1929 at 4919' in  
shale with 60 sacks of Santa Cruz cement by thru casing method, in an 8 1/2" hole.  
Casing cemented, landed or hole plugged up

Casing record of well 18" S.P. cem. 436'; 11 1/2" cem. 3589' N.T.; 9" cem. 4459' W.N.S.O.; 6-5/8"  
as above; 2 1/2" tubing hung at 4807'; Junk: 6-5/8" 4460-4799'. T.D. old hole 4848' plugged  
with cem. 4848-4460'

Perforation record none

Reported total depth: drilled 4934 feet; depth at time of test 4934 feet; ~~2 1/2" tubing~~ 2 1/2" tubing 4807'  
~~depth~~

During this production test the well produced at the rate of 993 barrels of fluid per day of which  
0.0 % was water and 0.0 % emulsion, 0.2% mud.

Method and result of production test:

MR. EARDLEY REPORTED THE FOLLOWING:

1. No fluid entered the well when bailed to 3000' and allowed to stand 4 hr. for casing test
2. 20' of set cement was drilled out of the 6-5/8" casing, equivalent to 3 sacks.
3. At 2 p.m. on Jan. 31, 1929 the well was swabbed in and produced at a gauged rate of 993 bbl. per day, thru a 20/32" bean with a tubing pressure of 230 lb. and casing pressure of 850 lb. The oil testing a gravity of 24.2°A.P.I. and cutting 4.4% emulsion, 10.4% water and 2.2% mud.

THE INSPECTOR NOTED THE FOLLOWING:

1. A sample taken from the lead line showed a gravity of 27.9°A.P.I. and cut of 0.2% mud / only.
2. The tubing pressure at this time was 225 lb. and the casing pressure 800 lb.

The test indicates that the 6-5/8" shut-off is probably effective but is not conclusive because of the high pressures held on the well. A decision is therefore deferred pending the receipt of further production data.

cc-J.M. Atwell  
G.L. Andrews  
Long Beach

R. D. BUSH  
State Oil and Gas Supervisor

By *E. J. ...* Deputy

WAC:BB

CALIFORNIA STATE MINING BUREAU  
DEPARTMENT OF PETROLEUM AND GAS

DIVISION OF MINES & MINING  
RECEIVED  
JAN 25 1929  
SMB  
TMA  
GIA  
WNT  
Department of Petroleum and Gas  
LOS ANGELES, CALIFORNIA

Notice of Test of Water Shut-Off

This notice must be given at least five days before the test, and a longer time is desirable

Whittier, Cal. Jan. 23, 1929

Mr. E. Huguenin  
Deputy State Oil and Gas Supervisor  
Los Angeles, Cal.

DEAR SIR:

In compliance with Section 19, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to test the shut-off of water in well number San Gabriel No. 4, Sec. 11, T. 5-S., R. 12-W., S.B. B. & M., Seal Beach Oil Field, Los Angeles County, on the 28th day of January 1929 on Jan. 22, 1929 (Date)

6 5/8 inch 28 lb. casing was landed/cemented in hard dark shale at 4919 (Formation) (Depth)

60 sacks Santa Cruz (Kind) of cement were used.

The Perkins - cement treated with calcium chloride method was used in placing cement.

Fluid level will be bailed to a depth of 2500 feet and left undisturbed for at least 12 hours before your inspection.

The well is 4934 feet deep. There is/is not a plug or bridge from feet to feet.

Respectfully yours

STANDARD OIL COMPANY OF CALIF.  
(Name of Company or Operator)

By G. L. Andrews

Reference to file of date

No.	Model	Cross Section	Cards	Forms
	67B			

Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located

DIVISION OF MINES & GEOL  
 RECEIVED  
 S.M.B.-2  
 N.T.  
 Department of Petroleum  
 LOS ANGELES, CALIFORNIA

WELL COMPLETION REPORT - PRO. 18-2

SEP - 7 1928

~~REDRILLING~~      ~~DEEPENING~~      ~~ABANDONING~~

FIELD SEAL BEACH.      STANDARD OIL CO. OF CALIFORNIA.      COMPANY SB  
 PROPERTY SAN GABRIEL      WELL NO. 4.      SEC. 11 T. 5-S R. 12-W B & M

FOLLOWING IS COMPLETE AND CORRECT RECORD OF ALL WORK  
 DONE ON THE WELL SINCE THE PREVIOUS RECORD DATED Feb. 15, 1928.

TOTAL DEPTH 4848'  
 COMMENCED WORK April 17, 1928      REDRILLED FROM      TO  
 COMPLETED WORK May 19, 1928      DEEPENED FROM 4487      TO 4848  
 ROTARY TOOLS: FROM 0 TO 4848 FEET      CABLE TOOLS: FROM      TO  
 PURPOSE OF WORK DEEPEN TO LOWER SELOVER ZONE. Reference to file of data

		Model	Cross Section	Card	Forms
					121
PRODUCTION					
30 DAY AVERAGE PRIOR OR LAST AVAILABLE	65	BBL. OIL	1393	BBL. WATER	GRAVITY 15.6° A. P. I.
30 DAY AVERAGE AFTER	1311	BBL. OIL	20	BBL. WATER	GRAVITY 24.4° A. P. I.

CASING RECORD AFTER REDRILLING, DEEPENING OR ABANDONING

SIZE OF CASING	LENGTH OF CASING	DEPTH LANDED	CEMENTED (DEPTH IF THRU PER F)	WEIGHT PER FOOT	THREADS PER INCH	MAKE OF CASING	SEAMLESS OR LAPWELDED	MAKE OF SHOE
26"	30	30	Yes			Hercules	S.P.	
18"	436	436	"			"	"	
11-3/4"	3589	3589	"	60#	8	National	Lapweld	Plain
9"	4459	4459	"	45#	8	"	Seamless	"
6-5/8"	4799	4799	"	28#	10	"	"	"

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
18"	436	436	250	100	S. Cruz.	Perkins	3	Not tested.
11 3/4"	3589	3589	400	100	"	"	4	"
9"	4459	4459	200	100	Victor	"	8	W.N.S.O.
								W.N.S.O.
6-5/8"	4799	4799	57	57	"	Perkins	6	Passed for Prod.

PERFORATION RECORD

SIZE OF CASING	FROM	TO	SIZE OF HOLES OR SLOTS	NUMBER OF ROWS	SPACING (INCHES)	HOW PERFORATED
			None.			

PLUG:      KIND      LENGTH      TOP AT  
 ADAPTER:      KIND      SIZE      SET AT

SIDETRACKED PIPE AND LOST TOOL RECORD

None

DRILLERS NAMES ON LAST SHEET

DATE July 16, 1928.

STANDARD OIL CO. OF CALIFORNIA.  
 BY *J. L. Andrews*

WELL COMPLETION REPORT-LOG—PRODUCTION Department of Petroleum and Gas  
LOS ANGELES, CALIFORNIA

WELL NO. 4.

PROPERTY SAN GABRIEL. S.O.CO.OF CALIFORNIA COMPANY

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
<u>PROPOSAL</u>			
(1). Deepen to about 4850' and cement 6-5/8" casing over lower Selover zone, using cement in excess of enough to reach above 4600' and conclude under pressure.			
(2). Complete at about 4875' and land about 50' of 4-3/4" perforated liner at 4875'.			
(3). S.M.B. to witness mudding test prior to cementing the 6-5/8" casing and to witness a test of W.S.O. The completion depth and exact point for effecting a water shut off to be determined by coring.			
<u>WORK DONE</u>			
Drilled out cement plug 4464 to 4487', and drilled ahead as follows:			
4487	4492	5	Hard sand
4492	4507	15	Hard sandy shale strks hard sand
4507-4620	4620-4632	12-113	Sandy shale --- Sandy shale strks hard sand
4632	4650	18	Sticky shale
4650	4655	5	Sandy brown shale (core: 4650-58-rec 7')
4655	4656	1	Sandy brown shale SLITE SHOW OF OIL
4656	4662	6	Sandy brown shale (core: 4658-64-rec 3')
4662	4663	1	Shell
4663	4664	1	Sandy brown shale
4664	4675	11	OIL SAND (core: 4664-75-rec 11')
4675	4685	10	HARD OIL SAND (core: 4675-80-rec 1'; 4680-82-rec 1')
4685	4700	15	OIL SAND thin strks brown shale (core: 4685-4700-rec 6' (Sidetracked outside hull of Hughes cone
4718-4720')			
4700	4720	20	OIL SAND (core: 4700-14-rec 5'; 4714-18-rec 2')
4720	4721	1	Hard sand shell (core: 4720-21-blank)
4721	4748	27	Poorly saturated OIL SAND, 3" of hard grey sandstone shell at 4735' (core: 4721-35-rec 2'; 4735-48-rec 1')
4748	4755	7	COARSE POORLY SATURATED OIL SAND (core: 4748-50-rec 2'; 4750-52-rec 2'; 4752-56-rec 2')
4755	4756	1	Fine RICH OIL SAND 3" shale 4755'.
4756	4777	21	Poorly saturated OIL SAND (core: 4756-74-rec 3'; 4774-78-rec 3')
4777	4778	1	Sandy shale shell
4778	4784	6	Sandy brown shale few thin strks OIL SAND (core: 4778-84-rec 2')
4784	4785	1	Coarse grained OIL SAND (core: 4784-91-rec 6')
4785	4799	14	Hard sandy brown shale (core: 4791-99-rec 5')
4799	4809	10	OIL SAND (core: 4799-4809-rec 7')
4809	4815	6	RICH OIL SAND (core: 4809-17-rec 7')
4815	4816	1	Hard sandy brown shale
4816	4848	32	OIL SAND (core: 4817-23-rec 4'; 4823-35-rec 10'; 4835-48-rec 10').

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINES AND MINING

DEPARTMENT OF PETROLEUM AND GAS

Report on Test of Water Shut-off  
(PRODUCTION)

No. T-1-14633

Los Angeles

Cal. May 29

192 8

Mr. L. B. Little

Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA Company

DEAR SIR:

Your well No. "SAN GABRIEL" 4 Section 11, T. 5 S, R. 12 W, S.B. B. & M.,  
Seal Beach Oil Field, in Los Angeles County,

was subjected to production test for water shut-off, between 192, and 192

Mr. F. L. Campbell, designated by the supervisor, was present on

May 22 192 8 as prescribed in Section 19, Chapter 718, Statutes 1915, as amended, and there were  
also present W.A. Eardley, Engineer

Location of the water tested above 4799'

Depth and manner of water shut-off 6-5/8" 28# cem. 4799' in sandy shale on May 11, 1928, with 57  
sacks of Golden Gate cement by the Perkins method in an 8 1/2" rotary hole.  
Casing cemented, landed or hole plugged up

Casing record of well 18" S.P. cem. 436'; 11 1/2" cem. 3539'; 9" cem. 4459', W.N.S.O.; 6-5/8" as  
above; 2 1/2" tubing hung at 4648'.

Perforation record ---  
Reported total depth: drilled 4848 feet; depth at time of test 4848 feet; 2 1/2" tubing pump depth 4648

During this production test the well produced at the rate of 1434 gauged barrels of fluid per day of which  
- % was water and 0.1 % emulsion mud.

Method and result of production test:

MR. EARDLEY REPORTED THE FOLLOWING:

1. No fluid entered the well when bailed to 2500' and allowed to stand 4 hr. for casing test.
2. 63' of set cement was drilled out of the 6-5/8" casing, equivalent to 12 sacks.
3. All the cement was treated with quick setting chemical.
4. 500# pressure was applied to the space between the 6-5/8" and 9" casings and 6 cu. ft. of cement was forced away.
5. On May 19, 1928, the well was swabbed for production and flowed into the tanks thru a 26/32" bean at the gauged rate of 1370 bbl. per 24 hr. The casing pressure was 860# and the tubing pressure was 195#. The oil tested 24.8° A.P.I. gravity and cut 0.4% mud and sand.

THE INSPECTOR NOTED THE FOLLOWING:

1. The casing pressure was 825# and the tubing pressure was 220#.
2. A sample of oil taken from the lead line tested 24.7° A.P.I. gravity and cut 0.1% mud. The test indicates that the 6-5/8" shut-off is probably effective but is not conclusive because of gas pressure. A decision is therefore deferred pending the receipt of further production data.

cc--J. M. Atwell - G. L. Andrews  
Long Beach

R. D. BUSH,  
State Oil and Gas Supervisor

By *E. J. Ferguson* Deputy

FLC:ML

J.S.

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINES AND MINING

DEPARTMENT OF PETROLEUM AND GAS

Special Report on Operations Witnessed

No. T-1-16063

Los Angeles Cal. December 4 1928

Mr. L. B. Little  
Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA Company

DEAR SIR:

Operations at your well No. "SAN GABRIEL" 4 Section 11, T. 5-S, R. 12-W, S.B. B. & M., Seal Beach Oil Field, in Los Angeles County, were witnessed by L. W. Richards, representative of the supervisor, on November 24, 1928. There were also present W. Hardley, Engineer, and F. C. Tratt, Driller

Casing Record 18" S.P. cem. 436'; 11 1/2" cem. 3589' not tested; 9" cem. 4459' W.N.S.O.; 6-5/8" cem. 4799', decision deferred, bad at 4790'. Total depth 4848', plugged with cement 4818'-4494'

The operations were performed for the purpose of testing the location and hardness of a cement plug proposed to be placed from 4848' to 4490' in the process of plugging bottom.

and the data and conclusions are as follows:

MR. HARDLEY REPORTED THE FOLLOWING:

1. The 6-5/8" casing was found to be bad at 4790'.
2. The hole could only be cleaned out to 4818'.
3. On November 23, 1928, 50 sacks of Golden Gate cement (treated) was pumped in thru 2 1/2" tubing hung at 4815'. The tubing was pulled up to 4438' and 750 lb. pressure was applied to the cement.

THE INSPECTOR NOTED that the bailer could not be spudded below 4494' and brought up a sample of set cement.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 4494' ARE APPROVED.

cc-J.M. Atwell  
G.L. Andrews  
Long Beach

LWR:BB

R. D. BUSH

State Oil and Gas Supervisor

By *Augustine* Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINES AND MINING

DEPARTMENT OF PETROLEUM AND GAS

Report on Proposed Operations

No. P-1-18681

Los Angeles Cal. November 27 1928

Mr. L. B. Little

Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA Company

DEAR SIR:

Your and deepen proposal to redrill oil string/ Well No. "SAN GABRIEL" 4,  
Section 11, T. 5-S, R. 12-W, S. B. B. & M., Seal Beach Oil Field, Los Angeles County,  
dated Nov. 22 1928, received Nov. 26 1928, 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:

18" S.P. cem. 436'

THE NOTICE STATES:

"The present condition of the well is as follows: Depth 4848'

Casing Record:	16" - 436'	SP Cemented Note Tested
	11 1/2" - 3589'	" " "
	9" - 4459'	" & Recemented 6 times W.N.S.O.
	6-5/8" - 4799'	" Passed for Production Test.

This well was originally completed in the Boxby Zone June 1927 with an exposure from 4459' to 4487'. It was deepened and recompleted in the Lower Selover Zone in June 1928. Daily average production for Sept. 1928, 152 bbls. net oil and 614 bbls. water.

PROPOSAL:

"The proposed work is as follows: (Confirming conversation Copley and Richards)

1. Clean out to 4848' and plug with cement, under pressure, if possible to about 4490'.
2. Cut off and recover as much 6-5/8" csg. as possible and sidetrack the balance.
3. Cement about 5000' - 6-5/8" casing and complete at about 5080'.
4. Your department will be notified to witness the location and hardness of cement plug in #1, also a mudding test prior to landing the 6-5/8" casing and a test of WSO on the same.

DECISION:

THE PROPOSAL IS APPROVED.

cc-J.M.Atwell  
G.L.Andrews  
Long Beach

SGD:BB

R. D. BUSH

State Oil and Gas Supervisor

By [Signature] Deputy

CALIFORNIA STATE MINING BUREAU  
DEPARTMENT OF PETROLEUM AND GAS

SMB ✓  
DIVISION OF MINES & MINING  
RECEIVED  
GLA  
NOV 26 1928  
Department of Petroleum and Gas  
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

Whittier Cal. Nov. 22, 1928

Mr. E. Huguenin  
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 deepening, ~~redrilling, plugging or altering casing~~ at well number San Gabriel 4  
(Cross out unnecessary words)

Sec. 11, T. 5-s, R. 12-w, SB B. & M.,  
Seal Beach Oil Field, Los Angeles County.

The present condition of the well is as follows:

Depth - 4848'  
Casing Record:

16" - 436' SP Cemented Not Tested  
11-3/4" - 3589' " " "  
9" - 4459' " & Recemented 6 times W.N.S.O.  
6-5/8" - 4799' " Passed for Production Test.

This well was originally completed in the Bixby Zone June 1927 with an exposure from 4459' to 4487'. It was deepened and recompleted in the Lower Selover Zone in June 1928.

Daily average production for Sept. 1928, 152 bbls. net oil and 614 bbls. water.  
The proposed work is as follows: Confirming conversation Copley and Richards.

1. Clean out to 4848' and plug with cement, under pressure, if possible to about 4490'.
2. Cut off and recover as much 6-5/8" csg. as possible and sidetrack the balance.
3. Cement about 5000' - 6-5/8" casing and complete at about 5080'.
4. Your department will be notified to witness the location and hardness of cement plug in #1, also a mudding test prior to landing the 6-5/8" casing and a test of WSO on the same.

*revisit O.P. - deep*

Respectfully yours,

Standard Oil Company of California.  
(Name of Company or Operator)

By *J. Anderson*

Reference to file of data  
M. Approved *[Signature]*  
Division Superintendent.  
Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located

DIVISION OF MINES & MINING  
 RECEIVED  
 SEP 7 1928  
 Department of Petroleum and Gas  
 LOS ANGELES, CALIFORNIA

WELL COMPLETION REPORT—18-4  
 LOG AND HISTORY

WELL NO. 4. PROPERTY SAN.GABRIEL. STANDARD OIL CO. OF CAL. COMPANY

Reamed hole with 8-3/4" Smith underreamer from 4459 to 4848. Circulated mud thru drill pipe hanging at 4843' for 7 hrs. Test witnessed by S.M.B. Inspector Campbell who found a loss of 1 bbl. per hour.

(May 11, 1928) Cemented 6-5/8" casing at 4799' with 57 sks of cement. After plugs had bumped, closed in between 9" and 6-5/8" casing and forced 6 cubic feet away under 500# pressure. Stood cmtd. six days. Bailed to 2500' for casing test, stood 4 hrs - no fluid entered hole. D.O. Cement 4736-4799 and cleaned out 4799 - 4848'.

Put in 2 1/2" U.E. Tubing to 4648' and washed hole clean. Swabbed well in at 6:30 A.M. 5/19/28. The casing pressure had been built up to 890# with high pressure gas. Production for first 21 hrs: flowing 1197 bbls. net oil & 19 bbls water. Grav 24.08, cut .4 mud & sand. 26/32" nipple, 195# TP, 850# CP.

Production by 24-hr periods.

May 20th:	Flowed 1446 bbls net oil,	gr 24.8,	cut .16	mud sand & emul.
21st:	1434	24.6	.15	"
22nd:	1371	24.0	.40	"
23d :	1320	24.0	.33	"
24th:	1334	24.5	.23	"

DRILLERS:

B.G. Burdick,  
 A.D. Bermudez,  
 J.S. Ramirez.

W.A.E.

DIVISION OF MINES AND MINING  
RECEIVED *J.M. Bv*

# CALIFORNIA STATE MINING BUREAU

DEPARTMENT OF PETROLEUM AND GAS

MAY 23 1928

Department of Petroleum & Gas  
LOS ANGELES, CALIFORNIA.

## Notice of Test of Water Shut-off

This notice must be given at least five days before the test, and a longer time is desirable

Whittier, Cal. May 12, 1928

MR. E. Huguenin  
Deputy State Oil and Gas Supervisor

Los Angeles, Cal.

DEAR SIR:

In compliance with Section 19, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to test the shut-off of water in well number San Gabriel #4, Sec. 11,

T. 5:S., R. 12:W., S. B. B. & M., Seal Beach Oil Field,

Los Angeles County, on the 16th day of May, 1928.

6-5/8 inch. 28 lb. casing was landed/cemented in hard sandy br shale at 4799

(Formation)

(Depth)

on May 11, 1928.  
(Date)

57 sacks Golden Gate of cement were used.  
(Kind)

The Perkins - cement treated with calcium chloride method was used in placing cement.

Fluid level will be bailed to a depth of 2500 feet and left undisturbed for at least 12 hours before your inspection.

The well is 4848 feet deep. There is/is not a plug or bridge from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

Respectfully yours,

STANDARD OIL COMPANY OF CALIF.

(Name of Company or Operator)

By G.L. Andrews

Reference to file of data

Maps	Model	Cross-section	Cards	Forms	
				114	
	<u>B.B.N.</u>		Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located	<input checked="" type="checkbox"/>	

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINES AND MINING

DEPARTMENT OF PETROLEUM AND GAS

Special Report on Operations Witnessed

No. T -1-14549  
May 17 192 8

Los Angeles Cal.

Mr. L. B. Little

Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA Company

DEAR SIR:

Operations at your well No. "SAN GABRIEL" 4 Section 11, T. 5-S, R. 12-W, S. B. B. & M.,  
Seal Beach Oil Field, in Los Angeles County, were witnessed by

F. L. Campbell, representative of the supervisor,  
on May 10, 192 8. There were also present W. A. Eardley, Engineer, and  
W. Quinn, Foreman

Casing Record 18" S.P. cem. 436'; 11 1/2" cem. 3589'; 9" cem. 4459', W.N.S.O.

The operations were performed for the purpose of demonstrating that the formations between  
4459' and 4799' were mudded until the loss was not more than 1 bbl. per hr.  
and the data and conclusions are as follows:

MR. EARDLEY REPORTED THE FOLLOWING:

1. An 8 1/2" rotary hole was drilled from 4459' to 4799'.
2. Mud fluid was circulated for 7 hr. prior to the test.
3. The final rate of loss was 3 bbl. per hr.
4. The drill pipe was hanging at 4798' during the test.
5. Cores were taken from the following important depths:  
4700'-4791', shale and oil sand  
4791'-4799', shale

THE INSPECTOR NOTED that during a circulation test from 9:15 a.m. to 9:45 a.m.  
mud fluid was lost from the pit at the rate of 1 bbl. per hr.

THE MUDDING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

Oral approval given to cement 6-5/8" casing at 4799' & hereby confirmed.

cc-J.M. Atwell  
G.L. Andrews  
Long Beach

FL:ms  
J.P.

R. D. BUSH  
State Oil and Gas Supervisor

By E. Ferguson Deputy

STATE OF CALIFORNIA  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINES AND MINING

DEPARTMENT OF PETROLEUM AND GAS

Report on Proposed Operations

No. P -1-17367

Los Angeles Cal. April 27 1928

Mr. L. B. Little

Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA Company

DEAR SIR:

Your proposal to deepen Well No. "SAN GABRIEL" 4,  
Section 11, T. 5 S, R. 12 W, S.B. B. & M., Seal Beach Oil Field, Los Angeles County,  
dated April 20 1928, received April 24 1928, 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 quoted below.

THE NOTICE STATES:

"The present condition of the well is as follows:

Depth - 4487'

Csg. Record - 18" - 436' - S.P. Cemented. Not tested.

11 1/4" - 3589' - " " "

9" - 4459' " and Recmtd. 6 times. W.N.S.O.

Completed in Bixby Zone June 7, 1927. Daily avg. prod. 1st 30 days - Pumping 53 bbl. net oil and 281 bbl. water.

Daily average Prod. 'n March 1928 - Pumping 59 bbl. net oil, 1302 bbl. water.

Material in Hole - None."

PROPOSAL:

"The proposed work is as follows: (Confirming conversation Copley & Huguenin)

1. Deepen to about 4850 and cement 6-5/8" csg. over the Lower Selover Zone, using cement in excess of enough to reach above 4600' and conclude under pressure.
2. Complete at about 4875 and land about 50' 4 1/2" perforated liner at 4875'.
3. Your department will be notified to witness a mudding test prior to cementing the 6-5/8" casing and to witness a test of W.S.O. on the same. The completion depth and the exact point for effecting a W.S.O. will be determined by coring."

DECISION:

THE PROPOSAL IS APPROVED.

cc--J. M. Atwell  
G. L. Andrews  
Long Beach

GSF:ML

J.P.

R. D. BUSH

State Oil and Gas Supervisor

By *E. Huguenin* Deputy

DIVISION OF MINES AND MINING  
 RECEIVED  
 APR 24 1928  
 Department of Petroleum & Gas  
 CALIFORNIA

**CALIFORNIA STATE MINING BUREAU**  
 DEPARTMENT OF PETROLEUM AND GAS

SMB ✓  
 JMA  
 WNT  
 GLA

**Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well**

This notice must be given fifteen days before work begins when possible

..... Whittier ..... Cal. April 20, ..... 1928

MR. E. HUGUENIN .....

*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 deepening, ~~redrilling, plugging or altering casing~~ at well number San Gabriel 4  
(Cross out unnecessary words)

....., Sec. 11 ....., T. 5:S ....., R. 12:W ....., S.B. B. & M.,  
SEAL BEACH ..... Oil Field, Los Angeles ..... County.

The present condition of the well is as follows:

Depth - 4487'  
 Csg. Record  $\pm$  18" - 436' - S.P. Cemented. Not tested.  
                   11-3/4" - 3589' -                   "                   "                   "  
                   9" - 4459' -                   " & Recmtd. 6 times. W.N.S.O.

Completed in Bixby Zone June 7, 1927. Daily avg. prod. 1st 30 days -  
 Pumping 53 bbls.net oil and 291 bbls. water.  
 Daily average Prod.'n. March 1928 - Pumping 59 bbls.net oil, 1302 bbls. water.

Material in Hole - None.

The proposed work is as follows: (Confirming conversation Copley & Huguenin)-

- 1 - Deepen to about 4850 and cement 6-5/8" csg. over the Lower Selover Zone, using cement in excess of enough to reach above 4600' and conclude under pressure.
- 2 - Complete at about 4875 and land about 50' - 4-3/4" perforated liner at 4875'.
- 3 - Your Department will be notified to witness a mudding test prior to cementing the 6-5/8" casing and to witness a test of W.S.O. on the same. The completion depth and the exact point for effecting a W.S.O. will be determined by coring.

Respectfully yours,

STANDARD OIL COMPANY OF CALIFORNIA.

(Name of Company or Operator)

By J. Andrews .....

Reference to file of data  
 APPROVED:

Mr.	Mrs.	Miss	Perms
<i>[Signature]</i>			
Division Superintendent.			

CALIFORNIA STATE DEPARTMENT OF PETROLEUM  
 RECEIVED WGBB  
 AUG 20 1927  
 WNT FILE

**COMPLETION REPORT—NEW WELL—PRO. 18-1**

FIELD SEAL BEACH. STANDARD OIL COMPANY OF CALIFORNIA. COMPANY  
 PROPERTY SAN GABRIEL. WELL NO. 4 SEC. 11 T5-S R. 12-W B & M

LOCATION 703.3' South of North Section Line and 245.8' ELEV. 11.34'  
 East of West Section Line.

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

COMMENCED: RIGGING UP Dec. 7, 1926 COMMENCED DRILLING Dec. 11, 1926  
 COMPLETED: RIGGING UP Dec. 11, 1926 COMPLETED DRILLING Jan 30, 1927

DEPTH 4487' PLUGGED TO 4462 DATE OF INITIAL PRODUCTION June 7, 1927

PRODUCTION (DAILY AVERAGE 1ST 30 DAYS) ~~53~~ (FLOWING) 53 BBL. OIL: 281 BBL. WATER: - °A.P.I.

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

TUBING PRESS. CASINGHEAD PRESS.

FLOW NIPPLE			Cards	Forms	
Make	Size	Section		114	111
Hercules					
"					
National					
"					

**CASING RECORD**

SIZE OF CASING	LENGTH OF CASING	DEPTH LANDED	CEMENTED (DEPTH IF THRU PER F)	WEIGHT PER FOOT	THREADS PER INCH	MAKE OF CASING	SEAMLESS OR LAP WELDED	MAKE OF SHOE
26"	30		Yes			Hercules	S.P.	
18"	436		"			"	S.P.	
11-3/4"	3589		"	60	8	National	Lapweld	Plain
9"	4459		"	45	8	"	Seamless	

**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
18"	436	436	250	100	Santa Cruz	Perkins	3	Not tested.
11-3/4"	3589	3589	400	100	"	"	4	"
9"	4459	4459	200	100	Victor	"	8	W.N.S.O.
"	"	"	46	46	Gold Gate	Tubing	4	W.N.S.O.
"	"	"	50	50	"	"	6	W.N.S.O.
"	"	"	50	50	"	"	4	W.N.S.O.
"	"	"	40	40	"	"	5	W.N.S.O.
"	"	"	60	60	"	"	4	W.N.S.O.

**PERFORATION RECORD**

SIZE OF CASING	FROM	TO	SIZE OF HOLES OR SLOTS	NUMBER OF ROWS	SPACING (INCHES)	HOW PERFORATED
NO OIL STRING.						

PLUG: 4462 KIND Cement BOTTOM 4487 TOP AT 4462  
 ADAPTER: KIND SIZE SET AT  
 ROTARY TOOLS: FROM 0 TO 4487 FEET CABLE TOOLS: FROM - TO - FEET

**SIDETRACKED PIPE AND LOST TOOL RECORD**

-----NONE-----

DRILLERS NAMES ON LAST SHEET  
 DATE August 15, 1927

STANDARD OIL COMPANY OF CALIFORNIA.  
 BY *G. Andrews*

WELL COMPLETION REPORT-LOG—PRO. 18-3

WELL NO. 4. PROPERTY SAN GABRIEL. S.O.CO.OF CALIFORNIA. COMPANY

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
0	30	30	Surface sand
30	345	315	Sand and gravel
345	420	75	Sand, gravel strks sticky shale
420	436	16	Sticky shale
Dec. 13, 1926.	Cemented 18"		Hercules S.P. conductor casing at 436', on
436	492	58	Sticky shale
492	842	350	Sand, strks stky shale
842	1000	158	Sticky shale
1000	1347	347	Sandy shale
1347	1421	74	Sticky shale
1421	1595	174	Sandy shale
1595	1640	45	Hard sandy shale
1640	1660	20	Sticky shale
1660	2255	595	Sandy shale strks hard sand
2255	2337	82	Sticky shale
2337	2503	166	Sandy shale strks hard sand
2503	2518	15	Hard sand
2518	2574	56	Sticky shale
2574	2615	39	Hard sandy shale
2615	2670	57	Sticky shale
2670	2773	103	Sticky shale strks hard sand
2773	2923	150	Hard sandy shale
2923	2976	53	Hard sand
2976	2991	15	Hard sandy shale
2991	3080	89	Sandy shale strks stky shale
3080	3136	56	Hard sandy shale
3136	3138	2	Hard shell
3138	3154	16	Hard sandy shale
3154	3205	51	Sticky shale
3205	3212	7	Hard sand
3212	3306	94	Hard sandy shale
3306	3360	12	Sticky shale
3360	3423	63	Sticky shale strks sandy shale
3423	3453	30	Hard sandy shale
3453	3467	14	Sticky shale
3467	3515	48	Hard sandy shale
3515	3575	60	Sandy shale strks hard sand
3575	3576	1	Hard sand
3576	3597	21	Sticky shale
			Reamed hole with 16 1/2" paddle bit 400-3597.
	Jan. 4, 1927:		Cemented 11-3/4" casing at 3589' under 500# pressure. Stood cmtd. 4 days. Drilled out cement 3532-3589' and C.O. to 3597'. Conductor string - not tested.
	Drilled ahead as follows:		
3597	3612	15	Sticky shale
3612	3628	16	Sandy shale
3628	3648	20	Sticky shale
3648	3709	61	Sandy shale
3709	3773	64	Sticky shale
3773	3835	62	Sandy shale strks sticky shale

AUG 20 1927

Department of Petroleum

## WELL COMPLETION REPORT-LOG—PRO. 18-3

WELL NO. 4 . PROPERTY SAN GABRIEL. S.O.CO.OF CALIFORNIA COMPANY

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
3835	3845	10	Hard sand
3845	3920	75	Sticky shale
3920	3948	28	Hard sand
3948	3960	12	Hard sandy shale
3960	4000	40	Sticky shale
4000	4060	60	Sandy shale
4060	4095	35	Sticky shale
4095	4110	15	Sandy shale strks hard sand
4110	4230	120	Sticky shale strks hard sand
4230	4255	25	Hard sand
4255	4292	37	Sandy shale
4292	4300	8	Hard sand
4300	4342	42	Sticky shale strks hard sand
4342	4370	28	Grey sand strks hard dark sandy shale (core: 4342-57-recov 13')
4370	4390	20	Grey sand strks sandy shale (core: 4382-90-rec 6')
4390	4402	12	Hard sand (core: 4402-04-recov 2')
4402	4426	22	Grey sand (core: 4414-26-recov 10')
4426	4435	9	Grey sand strks sandy shale (core: 4426-35-rec 6')
4435	4454	19	Hard sandy shale (core: 4435-45-recov 9'; core: 4445-54-recov 9')
4454	4457	3	Sandy shale and grey sand (core: 4454-62-rec 8')
4457	4458	1	OIL SAND
4458	4462	4	Hard sandy shale (core: 4462-63-recov 1'; core: 4463-71-recov 8')
4462	4487	25	OIL SAND (core: 4471-75-recov 4'; core: 4475-77-recov 2'; 4477-85-recov 8'; 4485-87-recov 1½')
			Reamed hole with 11-3/4" Smith reamer 3595-4465'.
			Ran in 9" casing to 4360' where it stopped. Pulled and re-reamed from 4250-4360'.
			Jan 30th: Cemented 9" casing at 4459' under 300# pressure. Stood cmtd. 8 days. Bailed to 2000' to test casing - stood 4hrs - casing O.K. Drilled out cement 4185-4459' and C.O. to 4487'. Put in 2½" tubing to 4480'; washed hole, pulled back to 4298'. Feb. 8th: Swabbed 11 hrs - water salty.
			Feb. 9th: Pumped in thru 4455' of 2½" UE tubing, 46 sks of Golden Gate cement treated with Cal. Chloride to recement 9" casing. Est. 18 sks pumped away under 1100# pressure. Pulled tubing back to 4117' and circ. for 7 hrs under 500# pressure. Stood cmtd. 4 days. D.O. Cement 4330-4459' & C.O. to 4478'. Put in 2½" tubing to 4297' and swabbed hole for 3 days; top of fluid 800' - very little free water.
			Washed hole to 4485' and pumped in thru 2½" UE tubing hung at 4453', 50 sks Golden Gate Cmt. treated with C.C. est. 21 sks pumped away under 1200# press. Pulled tubing back to 4093 and circ. 8 hrs under 400# pressure. Stood cmtd 6 days. Drilled out cement 4300-4457 and cleaned out to 4469'. Swabbed for 2½ days; top of fluid 1320'. Cleaned out to 4487; top of fluid at 1300'.

WELL COMPLETION REPORT—18-4

AUG 20 1927

LOG AND HISTORY

Department of Petroleum and Gas

LOS ANGELES, CALIF.

WELL NO. 4. PROPERTY SAN GABRIEL. S.O.CO.OP CALIFORNIA. COMPANY

Bailed hole 24 hrs; top of fluid 600'. Hole open to 4485'. Water salty.

March 1, 1927: Pumped in thru 4479' of 2½" tubing, 50 sks Golden Gate cement treated with Cal. Chloride. Pulled tubing back to 4194'. Est. 14 sks pumped away under 1100# pressure. Stood cemented 4 days. Drilled out cement 4350-4457'. C.O. to 4470'. Bailed to 1750'. Fluid rose to 850' while bailing, showing oil. Water salty. Hole open to 4470'.

March 7th: Put in 2½" tubing to 5165'. Put in rods and put well on beam 7:30 P.M. 3/7/27, pumping muddy water with scum of oil to sump - no gauge.

March 8, 1927: Pumped 43 bbls oil and 160 bbls water.

9,	115	175
10,	110	118
11,	95	143
12,	150	126
13,	219	144
14,	104	140

Average for March: 118 bbls oil & 162 bbls water - 24 days.

"	"	April: 91	213	30
"	"	May: 77	311	14

May 16th: Pumped in thru 4438' of 2½" UE tubing hung at 4435 40 sks Golden Gate cement treated with Cal. Chloride to recement 9" casing; est. 7½ sks pumped away under 1150# pressure. Reversed circulation and circ. 5 hrs under 200# pressure. Stood cmtd 5 days.

May 21st: D.O. Cement 4441-4459' and C.O. to 4475'. Put in 2½" tubing to 3503'. Ran in rods and put well on beam 4 A.M. May 22, 1927, pumping water to sump.

May 22nd: Pumped 350 bbls water to sump.

23d:	420 bbls salty water to sump.
24th:	435 "
25th:	365 "
26th:	370 "
27th:	390 "

28th: Pulled rods & tubing; washed hole 4475-87 and pumped in thru 2½" tubing hung at 4484', 60 sks Golden Gate cement treated with McDuffies Reagent. Pulled tubing back to 4100', got circu. and closed in; est. 4½ sks pumped away under 1100# pressure. Circ. 6 hrs under 300# pressure. Stood cmtd 4 days. D.O. Cement 4295-4459' and C.O. to 4462'. Bailed water to 1743; hole open to 4462'. Showed very little oil. Put in 2½" tubing to 3580' and put well on pump June 6, 1927.

Production Record by 24-hr. periods:

6-7-27: Pumped 24 bbls oil & 270 bbls water.

8	21	168
9	41	274
10	36	330
11	32	314
12	52	262
13	36	298

DRILLERS

J.F. Hughes,  
B.N. Morgan,  
J.J. Neighbours

W.G.B.  
S.M.B. 2  
W.N.S.O.  
FILE.

**WELL COMPLETION REPORT—PRO. 18-2**

RECEMENTING: --REDRILLING-- --DEEPENING-- --ABANDONING--

FIELD SEAL BEACH. STANDARD OIL CO. OF CALIFORNIA. COMPANY  
PROPERTY SAN GABRIEL. WELL NO. 4. SEC. 11 T. 5-S. R. 12-W. SB B & M

FOLLOWING IS COMPLETE AND CORRECT RECORD OF ALL WORK  
DONE ON THE WELL SINCE THE PREVIOUS RECORD DATED Aug. 15, 1927.

COMMENCED WORK 10-21-27  
COMPLETED WORK 11/1/1927

TOTAL DEPTH 4487'  
REDRILLED FROM - TO -  
DEEPENED FROM - TO -  
PLUGGED FROM 4464 TO 4464

ROTARY TOOLS: FROM TO FEET  
PURPOSE OF WORK RECEMENT 9" CASING.

CABLE TOOLS: FROM		TO	
Wipe	Wipe	Wipe	Wipe

**PRODUCTION**

19 DAY AVERAGE PRIOR OR LAST AVAILABLE	87 BBL. OIL	759 BBL. WATER	GRAVITY 14.0 °A. P. I.
30 DAY AVERAGE AFTER	42 BBL. OIL	808 BBL. WATER	GRAVITY 14.3 °A. P. I.

**CASING RECORD AFTER REDRILLING, DEEPENING OR ABANDONING**

SIZE OF CASING	LENGTH OF CASING	DEPTH LANDED	CEMENTED (DEPTH IF THRU PER F)	WEIGHT PER FOOT	THREADS PER INCH	MAKE OF CASING	SEAMLESS OR LAPWELDED	MAKE OF SHOE
26"	30	30	Yes			Hercules	Stovepipe.	
18"	436	436	"			"	"	
11-3/4"	3589	3589	"	60	8	National	Lapweld	Plain.
9"	4459	4459	"	45	8	"	Seamless	"

**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
18"	436	436	250	100	Santa Cruz	Perkins	3	Not tested.
11-3/4"	3589	3589	400	100	"	"	4	"
9"	4459	4459	200	100	Victor	"	8	W.N.S.O.
Recemented 6 times thru tubing (See History)								W.N.S.O.

**PERFORATION RECORD**

SIZE OF CASING	FROM	TO	SIZE OF HOLES OR SLOTS	NUMBER OF ROWS	SPACING (INCHES)	HOW PERFORATED
			None.			

PLUG: 4464 KIND Cement LENGTH ---23--- TOP AT 4464  
ADAPTER: KIND SIZE SET AT

**SIDETRACKED PIPE AND LOST TOOL RECORD**

None.

DRILLERS NAMES ON LAST SHEET

DATE February 15, 1928

STANDARD OIL CO. OF CALIF.

BY

*L. Andrews*

WELL COMPLETION REPORT-18-4

LOG AND HISTORY

WELL NO. 4. PROPERTY SAN GABRIEL. S.O.CO.OF CALIFORNIA. COMPANY

Oct. 23, 1927: Pumped in thru 4450' of tubing, 60 sks Golden Gate cement treated with calcium chloride to recement 9" csg. When cement was 100' from bottom of tubing, closed well in at the head and pumped away 47 sks. under 1000# pressure. Stood cemented 7 days. Bailed fluid to 2000' for casing test, stood 4 hrs, no fluid entered hole. Drilled out cement 4449 to 4459' and cleaned out 4459-4464'.

Put in 2647' of 3" tubing and put well on pump 11-2-27.

Nov. 2, 1927: Pumped 84 bbls oil and 638 bbls of water.

3,	Sanded up. Cleaned out and put back on pump. Off 24 hrs.
4,	Pumped 23 bbls oil and 682 bbls. water.
5,	55 975
6,	70 721
7,	50 912
8,	64 852
9,	70 918

DRILLERS:

W.A.E.

- C. Borden,
- E. L. Bowen,
- J. K. Curtis,
- S. Hebert,
- C. Lester,
- J. A. Porter.

DIVISION OF MINES & MINING  
**RECEIVED**  
 APR - 6 1929  
 Department of Petroleum and Gas  
 BEVERLY HILLS, CALIFORNIA

# WELL COMPLETION REPORT

REDRILLING & DEEPENING

FIELD **Seal Beach** Standard Oil Co. of Calif. COMPANY  
 PROPERTY **San Gabriel** WELL NO. **4** SEC. **11** T5-S. R.12-W SB & M

FOLLOWING IS COMPLETE AND CORRECT RECORD OF ALL WORK  
 DONE ON THE WELL SINCE THE PREVIOUS RECORD DATED **July 16, 1928**

COMMENCED WORK	Nov. 22, 1928	TOTAL DEPTH	5032
COMPLETED WORK	Feb. 23, 1929	REDRILLED FROM	4486 TO 4848
		DEEPENED FROM	4848 TO 5032
		PLUGGED FROM	- TO
ROTARY TOOLS: FROM	4486 TO 5032 FEET	CABLE TOOLS: FROM	Reference to file of data TO
PURPOSE OF WORK	Redrill and deepen to Upper Wasem zone.		

### PRODUCTION

<b>Sept. 1928</b>	<b>152</b>	BBL. OIL	<b>614</b>	BBL. WATER	GRAVITY	°A. P. I.
30 DAY AVERAGE PRIOR OR LAST AVAILABLE	<b>1668</b>	BBL. OIL	<b>5</b>	BBL. WATER	GRAVITY	<b>27.2</b> °A. P. I.
30 DAY AVERAGE AFTER						

### CASING RECORD AFTER REDRILLING, DEEPENING OR ABANDONING

SIZE OF CASING	LENGTH OF CASING	DEPTH LANDED	CEMENTED (DEPTH/THRU/PERF)	WEIGHT PER FOOT	THREADS PER INCH	MAKE OF CASING	SEAMLESS OR LAPWELDED	MAKE OF SHOE
26"	30	30	Yes			Hercules	Stovepipe	Plain
18"	436	436	"			"	"	"
11 3/4"	3589	3589	"	60#	8	National	Lapweld	"
9"	4459	4459	"	45#	8	"	Seamless	"
6 5/8"	4919	4919	"	28#	10	"	"	"

### 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
9"	4459	4459	200	100	Victor	Perkins	8	Water not shut-off
	Recmtd. 6 times thru tbg. (See Previous History)							Water not shut-off
6 5/8"	4919	4919	60		S.O.O.W.	Perkins	8	Deferred decision.

### PERFORATION RECORD

SIZE OF CASING	FROM	TO	SIZE OF HOLES OR SLOTS	NUMBER OF ROWS	SPACING (INCHES)	HOW PERFORATED
	No oil string.					

PLUG: KIND \_\_\_\_\_ LENGTH \_\_\_\_\_ TOP AT \_\_\_\_\_  
 ADAPTER: KIND \_\_\_\_\_ SIZE \_\_\_\_\_ SET AT \_\_\_\_\_

### SIDETRACKED PIPE AND LOST TOOL RECORD

339' 6 5/8" csg. plugged with cement, and sidetracked 4460 (Cor. Let. 5-23-47es) to 4799'.  
 2 slips from combination socket lost at 4435'.

DRILLERS NAMES ON LAST SHEET

DATE **March 27, 1929.**

STANDARD OIL COMPANY OF CALIF.

BY

*G. L. Andrews*

## WELL COMPLETION REPORT-LOG—PRO. 18-3

WELL NO. 4

PROPERTY San Gabriel Standard Oil Co. of COMPANY  
Calif.

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
Authority received to deepen to Wasem zone.			
<u>PROPOSAL</u>			
1. Clean out to 4848' and plug with cement under pressure, if possible, to about 4490'.			
2. Cut off and recover as much 6 $\frac{5}{8}$ " csg. as possible and sidetrack the balance.			
3. Cement about 5000' of 6 $\frac{5}{8}$ " csg. and complete at about 5080'.			
4. State Mining Bureau to be notified to witness the location and hardness of cement plug in No. 1, also a mudding test prior to landing the 6 $\frac{5}{8}$ " csg. and a test of water shut-off on the same.			
<u>WORK DONE</u>			
Washed hole clean to 4818', unable to wash below this depth. Pumped in through tubing hung at 4818', 50 sacks cement all treated with calcium chloride. Estimated 4 sacks pumped away under 750# pressure. Location and hardness of cement plug at 4494', witnessed by State Mining Bureau Rep. Richards.			
Ripped and re-ripped 6 $\frac{5}{8}$ " csg. 4415 to 4450'. Casing tight.			
Found vibration on 6 $\frac{5}{8}$ " at 4195'. Lost two slips from combination socket at 4435'.			
Ripped 6 $\frac{5}{8}$ " csg. 4165 to 4187'. Pulled 6 $\frac{5}{8}$ " from 4187', leaving 612' in hole cemented at 4799'. Continued to fish for 6 $\frac{5}{8}$ " csg. and recovered same down to 4460', leaving in hole 339' cemented at 4799'.			
Drilled on iron 4460 to 4481'. Drilled by 339' of 6 $\frac{5}{8}$ " csg. 4481 to 4799' and redrilled 4799 to 4848'.			
4481	4489	8	Hard sandy shale
4489	4492	3	Hard sand
4492	4501	9	Sandy shale streaks hard sand
4501	4522	21	Hard sand
4522	4546	24	Hard sandy shale
4546	4604	58	Sandy shale streaks hard sand
4604	4701	97	Hard sandy shale
4701	4704	3	Hard sand
4704	4714	10	Sandy shale
4714	4718	4	Hard sand
4718	4742	24	Sandy shale streaks sticky shale
4742	4745	3	Hard sand
4745	4756	11	Shale streaks hard sand
4756	4761	5	Hard sandy shale

## WELL COMPLETION REPORT-LOG—PRO. 18-3

WELL NO. **4**      PROPERTY **San Gabriel Standard Oil Co. of COMPANY**  
Calif.

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
4761	4809	48	Sandy shale streaks sticky shale
4809	4821	12	sticky shale
4821	4828	7	Hard sandy shale
4828	4831	3	Hard sand
4831	4839	8	Hard sandy shale
4839	4842	3	Hard sand
4842	4849	7	Hard sandy shale
4849	4861	12	Sticky shale
4861	4864	3	OIL SAND (Core 4861-64 rec. 3')
4864	4868	4	Hard sand
4868	4878	10	OIL SAND (Core 4868-78 rec. 3')
4878	4886	8	Hard dark fractured shale (Core 4878-86 rec. 2')
4886	4889	3	OIL SAND streaks shale (Core 4886-89 rec. 2') (Core 4889-95 rec. 3')
4889	4894	5	OIL SAND
4894	4895	1	Hard dark sandy shale
4895	4899	4	OIL SAND thin streaks hard shale (Core 4895-4903 rec. 5')
4899	4903	4	Hard sandy shale streaks OIL SAND
4903	4919	16	Hard dark shale (Core 4903-11 rec. 2')(Core 4911- 19 rec. 2')
4919	4930	11	OIL SAND thin streaks hard shale (Core 4919-34 rec. 15')
4930	4934	4	Hard dark sandy shale

Reamed hole with 8 $\frac{1}{2}$ " Smith underreamer 4500 to 4934'.

Circulated mud through drill pipe hanging at 4930' for one hour at the end of which time the loss was at the rate of 2 bbls. per hour. Witnessed by State Mining Bureau Rep. Clark.

Jan. 22, 1929 landed and cemented 4919' 6 $\frac{5}{8}$ " csg. under 450# pressure. Stood cemented 8 days. Bailed to 3000' for casing test, stood 4 hrs. no rise in fluid. Located top of hard cement at 4899'. Drilled out cement 4899 to 4919'. Cleaned out 4919 to 4934'.

Put in 2 $\frac{1}{2}$ " U.E. tubing to 4807'. Swabbed well in at 1:15 P.M. 1/31/29.

Production by 24-hour periods:

Feb. 1, 1929:	Flwg.	917	bbls net oil,	3	bbls water,	gravity 28.0,	cut .37
2,		918		2		27.8	.20
3,		888		2		27.9	.20
4,		878		2		28.0	.20
5,		866		2		27.5	.20
6,		850		2		27.4	.20

Feb. 20, 1929 killed well to deepen and expose more of Upper Wasem zone. Production for Feb. 19, 1929 flwg. 790 bbls gr 27.6, cut .20.

# WELL COMPLETION REPORT-LOG—PRO. 18-3

WELL NO. 4

PROPERTY San Gabriel Standard Oil Co. of COMPANY  
Calif.

NOTE: FORMATIONS SHOWING OIL OR GAS SHOULD BE NOTED IN CAPITALS.

FROM	TO	FEET	FORMATION DRILLED AND CORED
Drilled ahead as follows:			
4934	4958	24	Hard sand showing OIL and GAS
4958	5025	67	Sandy shale showing OIL and GAS
5025	5032	7	OIL SAND
5032	5032	0	Shell, no hole made with core barrel.
Put in 4807 2 $\frac{1}{2}$ " U.E. tubing and swabbed well in 4:45 A.M. Feb. 23, 1929.			
<u>Production by 24 hour-periods:</u>			
Feb. 24, 1929:	Flwg.	1733	bbls oil, 53 bbls. wtr, grav. 26.8, cut 3.4
25,		1851	4 27.5 0.2
26,		1803	3 27.3 0.2
27,		1755	3 27.1 0.2
28,		1743	3 27.2 0.2
Mar. 1,		1809	3 27.5 0.2
2,		1850	4 28.1 0.2
<u>Drillers</u>			
W.E. Brewster			
L.P. Ericksen			
M.D. Spencer			
			W.A.E.

CALIFORNIA STATE MINING BUREAU  
DEPARTMENT OF PETROLEUM AND GAS

CALIFORNIA STATE MINING BUREAU  
RECEIVED  
MAY 24 1927  
Department of Petroleum and Gas  
LOS ANGELES, CALIFORNIA

Notice of Test of Water Shut-off

This notice must be given at least five days before the test, and a longer time is desirable

Whittier, Cal. May 16, 1927

Mr. E. Huguenin  
Deputy State Oil and Gas Supervisor

Los Angeles, Cal.

DEAR SIR:

In compliance with Section 19, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to test the shut-off of water in well number San Gabriel #4, Sec. 11, T. 5-S., R. 12-W., S.R. B. & M., Seal Beach Oil Field, Los Angeles County, on the 20th day of May, 1927. 9 inch 45 lb. casing was landed/cemented in hd sdy shala at 4459 (Formation) (Depth) on May 16, 1927 (Date)

40 sacks Golden Gate (Kind) of cement were used.

The tubing - cemented treated with calcium chloride method was used in placing the cement.

Fluid level will be bailed to a depth of 2000 feet and left undisturbed for at least 12 hours before your inspection.

The well is 4487 feet deep. There is/is not a plug or bridge from feet to feet.

*Copley phoned: will deepen cement 6 5/8" over level below sufficient cement to reach 2 1/4" above below (miss) level. Told him we wanted mud tests before 6 5/8" - cant get - had test of 6 5/8" E.A. 4/20/28.*

Respectfully yours,

STANDARD OIL COMPANY OF CALIF.  
(Name of Company or Operator)

By *Y.L. Andrews*

Reference to file of data

Maps	Model	Cross-section	Cards	Forms
	<i>e</i>			<input checked="" type="checkbox"/>

Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located

CALIFORNIA STATE MINING BUREAU  
DEPARTMENT OF PETROLEUM AND GAS

SMB  
JMA  
ALT  
GLA  
CALIFORNIA STATE MINING BUREAU  
RECEIVED  
FEB 19 1927  
Department of Petroleum and Gas  
LOS ANGELES, CALIFORNIA

Notice of Test of Water Shut-off

This notice must be given at least five days before the test, and a longer time is desirable

Whittier, Cal. Feb. 10, 1927

MR. E. Huguenin  
Deputy State Oil and Gas Supervisor

Los Angeles Cal.

DEAR SIR:

In compliance with Section 19, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to test the shut-off of water in well number San Gabriel #4, Sec. 11, T. 5-S., R. 12-W., S.B. B. & M., Seal Beach Oil Field, Los Angeles County, on the 14th day of February, 1927. 9 inch 45 lb. casing was landed/cemented in hard sandy shale at 4459 (Formation) (Depth) on Feb. 9, 1927 (Date)

46 sacks Santa Cruz (Kind) of cement were used.

The Tubing - Perkins Process, cement treated method was used in placing the cement.

Fluid level will be bailed to a depth of 2000 feet and left undisturbed for at least 12 hours before your inspection.

The well is 4487 feet deep. There is/is not a plug or bridge from feet to feet.

Respectfully yours,

STANDARD OIL CO. OF CALIF.  
(Name of Company or Operator)

By G. L. Andrews

Reference to file of data

No.	Model	Description	Cause	Forms	
				11	12
	FLC		Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

CALIFORNIA STATE MINING BUREAU  
DEPARTMENT OF PETROLEUM AND GAS

SMB  
JMA  
ALT  
GLA  
CALIFORNIA STATE MINING BUREAU  
RECEIVED  
FEB -4 1927  
Department of Petroleum and Gas  
LOS ANGELES, CALIFORNIA

Notice of Test of Water Shut-off

This notice must be given at least five days before the test, and a longer time is desirable

Whittier, Cal. Jan. 31, 1927

MR. E. Huguenin  
Deputy State Oil and Gas Supervisor

Los Angeles, Calif. Cal.

DEAR SIR:

In compliance with Section 19, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to test the shut-off of water in well number San Gabriel #4, Sec. 11, T. 5-S., R. 12-W., S.B. B. & M., Seal Beach Oil Field, Los Angeles County, on the 7th day of February, 1927. 9 inch 45 lb. casing was landed/cemented in hard sdy shale at 4459 (Formation) (Depth) on January 30, 1927 (Date)

200 sacks Victor (Kind) of cement were used.

The Perkins Process - cement treated with cal. chloride method was used in placing the cement.

Fluid level will be bailed to a depth of 2000 feet and left undisturbed for at least 12 hours before your inspection.

The well is 4487 feet deep. There is/is not a plug or bridge from feet to feet.

Respectfully yours,

STANDARD OIL COMPANY OF CALIF.  
(Name of Company or Operator)

By G. L. Andrews

Reference to file of data

Reference to file of data				Forms	
No.	Name	Section	City	10	11
	PJH			✓	✓

Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located

CALIFORNIA STATE MINING BUREAU  
DEPARTMENT OF PETROLEUM AND GAS

Report on Proposed Operations

No. P-1-14380

Los Angeles, Cal. Dec. 16, 1926

Mr. W. G. Black,

Whittier, Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

DEAR SIR:

Your proposal to drill Well No. SAN GABRIEL # 4

Section 11, T. 5-S., R. 12-W., S.B. B. & M., Seal Beach Oil Field, Los Angeles County,

dated Dec. 8, 1926, received Dec. 13, 1926, 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 703.3' S of N. Sec. Line, and 245.8 feet E of W. Sec. Line.  
The elevation of the derrick floor above sea level is 11.34 feet, U.S.G.S.  
We estimate that the first productive oil or gas sand should be encountered  
at a depth of about \_\_\_ feet, more or less."

PROPOSAL:

"We propose to use the following strings of casing, either cementing or landing them as here indicated:

Size of Casing	Weight	New or Second Hand	Depth	Landed or Cemented
16	84	New	500	Cemented
11 3/4	60	" "	3500	"
9	45	" "	4300-4600	"

Your department will be notified to witness test on 9" shut-off and will also be notified before landing or cementing additional casing.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing."

RECOMMENDATION:

THE PROPOSAL IS APPROVED WITH THE RECOMMENDATION that this department be consulted in regard to the cementing depth of the 9" casing before this casing is run into the hole.

cc-J.M. Atwell  
G.L. Andrews

RGR:BB

*Rhinhart photo:*

*Top o.l. at 4462'*

*Scale 4425' - 4462'*

*o.l. to cement about 4460'*

*St 1/21/27*

R. D. BUSH,  
State Oil and Gas Supervisor

By *E. Augener* Deputy

037-08493

CALIFORNIA STATE MINING BUREAU  
RECEIVED J.M.A.  
G.L.A.  
S.M.B.  
F.A.G.  
LOS ANGELES, CALIF. FILE.

CALIFORNIA STATE MINING BUREAU

DEPARTMENT OF PETROLEUM AND GAS

DEC 13 1926

NOTICE OF INTENTION TO DRILL NEW WELL

This notice must be given before drilling begins

CHEVRON U.S.A. INC.

Huntington Beach, Cal. Dec. 8, 1926.

Mr. E. Huguenin,

Deputy State Oil and Gas Supervisor

Los Angeles, Cal.

DEAR SIR:

"SAN GABRIEL" #4

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 number San/Gabriel #4 Section 11 T. 5-S. R. 12-W, S. B. B. & M.

Seal Beach Oil Field, Los Angeles County.

The well is 703.3' feet N. of S., and 245.8 feet E. ~~XXXXXX~~  
S of N. Sec. Line of W. Sec. Line.  
(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is 11.34' feet. U.S.G.S.

We propose to use the following strings of casing, either cementing or landing them as here indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	New or Second Hand	Depth	Landed or Cemented
16	84	New	500	Cemented.
11-3/4	60	"	3500	"
9	45	"	4300-4600	"

Your dept. will be notified to wit. test on 9" shut-off and will also be notified before landing or cementing additional casing.

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

We estimate that the first productive oil or gas sand should be encountered at a depth of about.....feet, more or less.

Respectfully yours,

Approved: *[Signature]*

STANDARD OIL CO. OF CALIFORNIA  
(Name of Company or Operator)

Div. Supt.

Telephone number.....

By: *[Signature]*

Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located

Reference to file of data

Lease consists of:.....

Map	Well	Cross-section	Cards	Forms	
				114	121
53 41C	41C			✓	✓

Books  
L.P.C.



# Department of Conservation


[Oil, Gas & Geothermal](#)
[Well Search Help](#)
[Online Data](#)

## Division of Oil, Gas, and Geothermal Resources - Well Search

### Well Information

<b>API #</b>	<b>Lease</b>	<b>Well #</b>	<b>County</b>	<b>District</b>		
03708500	San Gabriel	11	Los Angeles[037]	1		
<b>Operator</b>	<b>Field</b>		<b>Area</b>			
Chevron U.S.A. Inc.[C5640]	Seal Beach[688]		Alamitos[03]			
<b>Section</b>	<b>Township</b>	<b>Range</b>	<b>Base</b>	<b>Well Status</b>	<b>Latitude</b>	<b>Longitude</b>
11	05S	12W	Meridian SB	Plugged & Abandoned	33.756635	118.11063

### Sum By

 County: **Los Angeles [037]**

 Field: **Seal Beach [688]**

 Operator: **Chevron U.S.A. Inc. [C5640]**

 Lease: **San Gabriel**

## Well Records

File Name	Type	Size	Modified on
03708500_1953-8-14_DIR.PDF	PDF	1.00 MB	2/16/2016
03708500_2016-02-16_DATA.PDF	PDF	7.00 MB	2/16/2016

## Production Data

 Show  entries

&lt;&lt; First &lt; Previous Next &gt; Last &gt;&gt;

Showing 0 to 0 of 0 entries

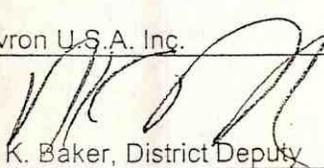
RESOURCES AGENCY OF CALIFORNIA  
DEPARTMENT OF CONSERVATION  
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

## REPORT OF PROPERTY AND WELL TRANSFER

Field or County Imperial Co., Wilmington, L.A. Co., W. Coyote, Montebello, Beverly Hills, Seal Beach, El Segundo, Inglewood, Rosecrans, Venice Beach, Las Cienegas, S. Salt Lake, Dominguez, Hyperion, Lawndale, Leffingwell, Long Beach, Los Angeles Downtown, Potrero, Salt Lake, Santa Fe Springs, Cheviot Hills, Sherman, Torrance, Whittier, Howard Townsite, Huntington Beach, Yorba Linda, Orange Co., Richfield, Kraemer, W. Newport, Sunset Beach, Belmont Offshore	District District 1 (Cypress, California)
Former owner ChevronTexaco Exploration & Production Co.	Date 9/23/2005
C5680	

Well Name	API Number	Section Township Range
See Attached List	See Attached List	See Attached List
For Complete List of Wells See Operator Folder (C5640) Chevron U.S.A. Inc. Dist. 1, Cypress, CA	For Complete List of Wells See Operator Folder (C5640) Chevron U.S.A. Inc. Dist. 1, Cypress, CA	For Complete List of Wells See Operator Folder (C5640) Chevron U.S.A. Inc. Dist. 1, Cypress, CA

Description of the land upon which the well (s) is (are) located.			
Various			
Date of transfer 7/11/2005	New owner Chevron U.S.A. Inc. <b>C5640</b>	Type of organization Corp.	
	Address: 9525 Camino Media Bakersfield, CA 93311	Telephone	661/654-7065
Reported by	OG30A received in Sacramento 9/2005		
Confirmed by	Same as above		
New operator new status <b>PA</b>	Designation of Agent Greg Leyendecker, Agent		
Old operator new status <b>AB</b>	Remarks For further information see Operator file (C5640) Chevron U.S.A. Inc.		

<b>OPERATOR STATUS ABBREVIATIONS</b>	Deputy Supervisor  R. K. Baker	Signature  Richard K. Baker, District Deputy				
<i>PA - Producing Active</i>						
<i>NPA- No potential, Active</i>						
<i>PI- Potential Inactive</i>						
<i>NPI-No potential, Inactive</i>						
<i>AB-Abandoned or No More Wells</i>						
<b>FORM AND RECORD CHECK LIST</b>						
	Form or Record	Initials	Date	Form or Record	Initials	Date
cc: Update; Envir Desk (2); File Conservation Committee Harold W. Bertholf, Inc. L.A. & Orange County Assessors WellStats - Cypress Dist. 1 WellStats - Sacrament HQS	Form OGD121	_____	_____	Map and Book		
	Operator Card	(RB)	9-23-05	Notice cancellations		
	Well Records	(RB)	9/26/05	Bond Status	BB	(RB) 9-23-05
	Log Records	(RB)	9/26/05	EDP	HQS	J.C. 7-11-05
	Production Reports			Data Base	file DJ	(RB) 9-26-05

# WELL TRANSFER NOTICE

Effective August 22, 2002

**Chevron USA Inc.  
Texaco California Inc.  
And  
Texaco Exploration and Production, Inc.**

Transferred ALL THEIR WELLS  
To

**ChevronTexaco Exploration & Production Company**

*See OGD156 dated October 18, 2002 in Operator File for ChevronTexaco  
Exploration & Production Company (C5680) for details*

See Ownership file, CHEVRON U.S.A. INC., for Form 156 dated 1-12-77

listing all wells (Imperial, Los Angeles, and Orange Counties) transferred effective 1-1-77 from Standard Oil Co. of Calif. (change of operating name).

STEMOGRAPHER

21

Date Received 4-2-54 Form 100 101 103 : Well Summary

Elec. Log \_\_\_\_\_ Radio Log \_\_\_\_\_ : Drillers Log \_\_\_\_\_

Direct. Surv. \_\_\_\_\_ Other Data Idea of one : Core Record \_\_\_\_\_

Location \_\_\_\_\_ : History

Elevation \_\_\_\_\_ Steno. fact : Elec. Log \_\_\_\_\_

ENGINEER

EP BOND Blanket Release \_\_\_\_\_ Date Elig. \_\_\_\_\_ 150b \_\_\_\_\_ : Direct. Surv. \_\_\_\_\_

End Prem. Yr. \_\_\_\_\_ Release Requested \_\_\_\_\_ Superseded \_\_\_\_\_ Aban. \_\_\_\_\_ : Redrill \_\_\_\_\_

HOLD BOND \_\_\_\_\_ Reason \_\_\_\_\_ : Deepen \_\_\_\_\_

\_\_\_\_\_ : Plug \_\_\_\_\_

Data Needed None : Alter Csg. \_\_\_\_\_

\_\_\_\_\_ Final Letter  Eng. kg Abandon