REPORT OF WELL ABANDONMENT

Los Angeles 15, California, April 13, 1954

Mr. W. C. Johnson, Agent
Standard Oil Co. of California
Box 2437, Terminal Annex
Los Angeles 54, California

Dear Sir

Your report of abandonment of Well No. "San Gabriel" 11, 11 5 S 12 W SB, Seal Beach, B. & M., Los Angeles County, dated March 25, 1954, 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.

cc Mr. H. Musser
Mr. W. Gibb
Mr. K. B. McNama
Lang Beach
Conservation Committee

Yours truly

R. D. Bush
State Oil and Gas Supervisor

By
Deputy Supervisor
FIELD: Seal Beach
PROPERTY: San Gabriel
WELL NO: 11 Sec. 11, T. 5-S., R. 12-W., S.B. B.O.M.

Following is complete and correct record of all work done on the well since the previous record dated April 15, 1929.

PURPOSE OF WORK: Recover Casing and Abandon

DATE OF REPORT: March 25, 1954

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

COMMENCED OPERATIONS: October 8, 1953 COMPLETED OPERATIONS: October 18, 1953

DATE WELL LAST PRODUCED: September, 1937 DATE RETURNED TO PROD: Abandoned 10-18-53

SUMMARY

TOTAL DEPTH: 5071'

PLUGS: 0-25', 2082-2150', 4155-4655',
4872-5046', cement.

Casing: 26' cemented, 30' Not tested.
18' cemented 534' Not tested.
11-3/4' cemented 3593' Not tested.
2513' 9' cemented 4668' with 190 sacks. Deferred decision. Jet cut at 2150'.
416' 6-5/8' hung 5071' Cemented through perfs at 4927' with 34 sacks. Deferred decision. Perforated 4927-5071'. Jet cut at 4655'.

*Bottom 143' are 7''

PERFORATIONS: 7' perforated from 4927-5071' with 10 rows, 1-1/2''x30 mesh, 6'' centers, Kobe slats.

JUNK: 22' of 4-3/4'' liner sidetracked 4711-4733'.
7-1/2'' washerover shoe at 4725'.
San Gabriel #11
Seal Beach
Standard Oil Company of California

Discussion

San Gabriel #11 is an idle Upper Wascom zone well from which tubing, rods and pumping unit have been removed. A directional survey was run on August 14, 1953 and the well was found to be virtually straight to the shoe of the 11-3/4" casing. It is proposed to recover the 6-5/8" and 9" casings.

Proposal (Dated October 13, 1953)

1. Plug hole with cement 5071-4880'.

2. Recover 6-5/8" casing from as low as possible and cap stub with 20' of cement.

3. Recover 9" casing from 3700' or below and cap stub with 30' of cement.


Work Done

October 8, 1953, Lacroute Production Service, contractor, using portable equipment commenced work at 7:00 a.m. Ran 3-1/2" bailer to 5046'.

October 9, 1953, dumped 15 sacks of Colton cement in 7" casing at 5046' with a 3-1/2" bailer.

October 10, 1953, dumped 15 sacks of cement in stages from 4880' to 5046'. Displaced water in hole with clay water fluid. Located top of cement at 4872'.

Location and hardness of cement bridge at 4872' witnessed and approved by Inspector M. C. Bradford of the Division of Oil and Gas.

October 11, 1953, pumped 25 barrels of drilling fluid in 6-5/8" and 9" annulus and installed Class II B.O.P. Ran free point indicator and located free point in 6-5/8" casing at 4660'.

October 12, 1953, jet shot 6-5/8" casing at 4655'.

October 13, 1953, recovered 6-5/8" casing from 4655', leaving 273' of 6-5/8" casing and 143' of 7" casing in hole from 4655' to 5071'.

October 14, 1953, filled 9" casing with clay water fluid. Set a wooden plug on top of 6-5/8" casing stub at 4655' and dumped 9 sacks of cement on top.
October 15, 1953, located free point in 9" casing at 2250'.

Discussion

After recovering 6-5/8" casing to 4655', the free point of 9" casing was located at 2250'. As this depth is within both the 9" and 11-3/4" casings, it is planned to abandon the well.

Proposal (Dated October 15, 1953)

1. Cut and recover 9" casing from about 2000' and cap stub with cement.

2. Cut and recover 11-3/4" casing from about 500' and cap stub with cement.

3. Hang wooden plug 20' below cellar floor and fill to surface with concrete.

4. Weld steel plate on 18" and 26" casings, clear location and abandon.

Work Done

October 16, 1953, located top of cement at 4043' and bailed mud and cement to 4155'. Jet cut 9" casing at 2150'.

October 17, 1953, recovered 9" casing from 2150', leaving 2518' of 9" casing in hole from 2150' to 4663'. Set a wooden plug in 9" casing stub at 2150' and dumped 10 sacks of cement, in stages, on top. Located top of cement at 2082'.

Location and hardness of cement bridge at 2082' witnessed and approved by Inspector J. R. Thomas of the Division of Oil and Gas.

Unable to recover 11-3/4" casing - cimented to surface.

October 18, 1953, set a wooden plug in 11-3/4" casing at 25' and filled to surface with cement, mixed with 10% sand and rock.

Location and hardness of surface plug witnessed and approved by Inspector J. R. Thomas of the Division of Oil and Gas.

October 18, 1953, welded steel plate on top of 18" and 26" casings and abandoned well in this condition.

Crew released at 4:00 p.m., October 18, 1953.
San Gabriel #11
Seal Beach

Contractor: Macrate Production Service

Drillers: E. Seyler
          F. W. Montgomery
          D. Turrentine

N. THERELL

NT: mj
March 25, 1954
STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T.153-1269

Los Angeles 15, Calif. October 27, 1953

Mr. W.C. Johnson
Los Angeles, Calif.
Agent for STANDARD OIL CO. OF CALIFORNIA

DEAR SIR:

Operations at your well No. "San Gabriel" 11, Sec. 11, T. 5S, R. 12 W., B. & M., Seal Beach Field, in Los Angeles County, were witnessed by J.R. Thomas, Inspector, representative of the supervisor, on October 18, 1953. There was also present M.E. Ford, Drilling Foreman.

Casing Record 26" casing, 30' to 18" casing, 52 ½' to 11 7/8" casing, 3598.6 ft., 9" casing, 4660' def. dec., cut and pulled from 2150' to 6 5/8" and 7" 1d, 4660'-5071', perf. 4927'-5071', c.p. 4927'. T.D. (present hole) 5071', plugged with cement 5046'-4873', 4660'-4573', 2150'-2082', and 28'-3'.

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

The inspector arrived at the well at X:XXX and Mr. XXXXXXX reported:

INSPECTOR THOMAS VISITED THE WELL FROM 10:00 - 10:30 A.M., OCTOBER 18, 1953, AND MR. FORD REPORTED: 1. The 9" casing was cut and pulled from 2150'. 2. A wooden plug was driven to 2150'. 3. On October 17, 1953, 10 sacks of cement was dumped into the hole beginning at 2150'. THE INSPECTOR NOTED THAT the baller could not be spudded below 2082' and brought up a sample of set cement.

THE INSPECTOR ARRIVED AT THE WELL AT 3:30 P.M. AND MR. FORD REPORTED: 1. A wooden plug was hung 28' below the surface. 2. Ten sacks of cement was poured into the hole.

THE INSPECTOR NOTED THAT the top of the cement was 3' below the surface of the ground.

The inspection was completed at 3:50 p.m.

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

JRT:OH

cc K.B. McNamee
Long Beach

Mr. C.W. Gibbs,
Asst. Gen. Mgr. Producing Dept,
Standard Oil Co. of California
225 Bush Street
San Francisco 20, California

R. D. BUSH
State Oil and Gas Supervisor

By

R. A. Haller
Deputy
Mr. W. C. Johnson

Los Angeles 15 Calif. October 23, 1953

Los Angeles Calif.

Agent for STANDARD OIL CO OF CALIFORNIA

DEAR SIR:

Operations at your well No. "San Gabriel" 11 Sec. 11, T. 5 S, R. 12 W, S B B. & M., Field, in Los Angeles County, were witnessed by W. C. Bradford, Inspector, representative of the supervisor, on October 11, 1953. There was also present R. Middle, Foreman; C. Elk, Foreman.

Casing Record 18" cas. 534'; 11-3/4" cas. 3598'; N.T.: 9" cas. 4658'; def. dec.: 6-5/8" id. 5071', c.p. 4927'; perf. 4927'-5071', T.D. (present hole) 5071', plugged with cement 5046'-4872'.

Junk T.D. (1st hole) 4733'.

The operations were performed for the purpose of testing the location and hardness of a cement plug required to be placed from 5046' to 4872' in the process of plugging back.

The inspector arrived at the well at 9:30 a.m. and Mr. Middle reported:

1. The hole was cleaned out to 5046'.
2. On October 9 and 10, 1953, 27 sacks of cement was dumped into the hole beginning at 5046'.

THE INSPECTOR NOTED THAT the bailer could not be spudded below 4872' and brought up a sample of set cement.

The test was completed at 11:00 a.m.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 4872' ARE APPROVED.

WCB:CH

cc Long Beach

K B McNamara
C W Gibbs

R. D. BUSH
State Oil and Gas Supervisor
By: A.H. Hallowes Deputy
Mr. W. C. Johnson

Los Angeles, Calif.

Agent for STANDARD OIL CO OF CALIFORNIA

Dear Sir:

Your proposal to abandon Well No. "San Gabriel" 11,

Section 11, T. 5 S, R. 12 W, S.B. & M., Seal Beach Field, Los Angeles County,
dated Oct. 13, 1953, received Oct. 15, 1953, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

THE NOTICE STATES:
"The present condition of the well is as follows:
1. Total depth. 5071' Flugs: 5046'-4873' and 4660' - 4635' w/cement
   T.D. 1st hole 4733'
2. Complete casing record. 26'' cemented 30'
   18'' cemented 534'
   11-3/4'' cemented 3598' N.T.
   9'' cemented 4668' Def. dec.
   411' of 6-5/8'' and 7'' landed 5071' cp'd at 4927'. Perf'd 4927' - 5071'
   Bottom 143' - 7''
3. Last produced. September 1937 11 B/D oil 466 B/D water"

PROPOSAL:
"The proposed work is as follows:
1. Cut and recover 9'' casing from about 2000' and cap stub w/cement.
2. Cut and recover 11-3/4'' casing from about 500' and cap stub w/cement.
3. Hang wooden plug 20' below cellar floor and fill to surface w/concrete.
4. Weld steel plate on 18'' and 26'' casings, clear location and abandon."

DECISION:
THE PROPOSAL IS APPROVED PROVIDED THAT THIS DIVISION SHALL BE NOTIFIED TO WITNESS the location and hardness of cement plugs on the 11-3/4'' casing stub and at the surface.

cc C W Gibbs
   K B McNamee
   Long Beach

RDF:ES

Blanket bond.

R. D. BUSH
State Oil and Gas Supervisor

By A. H. Walling Deputy
DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

La Habra, Calif. October 15 1953

DIVISION OF OIL AND GAS

Los Angeles, Calif.

In compliance with Secs. 3228, 3229, 3230, 3231 and 3232, Ch. 93, Stat. 1939, notice is hereby given that it is our intention to abandon well No. San Gabriel #11

Sec. 11, T. 5-S, R. 12-W, S.E. B. & M. Seal Beach Field,
Los Angeles County, commencing work on the 15th day of October 1953.

The present condition of the well is as follows:

1. Total depth. 5071'
   Plugs: 4873' and 4660' - 4635' ± w/cement
   T.D. 1st hole 4733'

2. Complete casing record.
   26' cemented 30'
   10' cemented 534'
   11-3/4' cemented 3596' N.T.
   9' cemented 4668'

411' of 6-5/8' and 7' landed 5071' op'd at 4927'. Perf'd 4927' - 5071'
   Bottom 3143' - 7'

3. Last produced. September 1937 11 B/D oil 466 B/D water

The proposed work is as follows:

1. Cut and recover 9' casing from about 2000' and cap stub w/cement.
2. Cut and recover 11-3/4' casing from about 500' and cap stub w/cement.
3. Hang wooden plug 20' below cellar floor and fill to surface w/concrete.
4. Weld steel plate on 10' and 26' casings, clear location and abandon.
WELL COMPLETION REPORT

FIELD  Seal Beach  Standard Oil Company of California
PROPERTY San Gabriel  COMPANY
WELL NO. II  SEC. II  T.S.R.12-W S B & M

FOLLOWING IS COMPLETE AND CORRECT RECORD OF ALL WORK DONE ON THE WELL SINCE THE PREVIOUS RECORD DATED Dec. 31, 1927

TOTAL DEPTH  5071
REDRILLED FROM  4711
DEEFPENED FROM  4733
PLUGGED FROM  TO  5071

COMMENCED WORK  Feb. 6, 1929
COMPLETED WORK  Mar. 3, 1929

ROTARY TOOLS: FROM  4733  TO  5071 FEET
PURPOSE OF WORK  CABLE TOOLS: FROM

Deepen to Upper Wasem zone.

PRODUCTION

| 30 DAY AVERAGE PRIOR OR LAST AVAILABLE | 237 | BBL. OIL | 614 | BBL. WATER | GRAVITY 15.3 °A.P.I.
| 30 DAY AVERAGE AFTER | 1333 | BBL. OIL | 4 | BBL. WATER | GRAVITY 26.8 °A.P.I.

CASING RECORD AFTER REDRILLING, DEEFPENING OR ABANDONING

| SIZE OF CASING | LENGTH OF CASING | DEPTH LANDED | DEPTH CEMENTED | CEMENTED (DEPTH/FRIPRT) | WEIGHT PER FOOT | THREADS PER INCH | MAKE OF CASING | SEAMLESS OR LAPWELDED | MAKE OF SHOE |
| 26" | 30 | 30 |  |  |  |  |  |  |  |
| 18" | 534 | 534 |  |  |  |  |  |  |  |
| 11 2/4" | 3598 | 3598 |  |  |  |  |  |  |  |
| 9" | 4668 | 4668 |  |  |  |  |  |  |  |
| 6 7/8" | 5071 | 5071 |  |  |  |  |  |  |  |

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" | 4668 | 4668 | 190 | 150 | Gold. Gate | Perkins | 6 | Deferred decision. Flow test. |
| 6 7/8" | 5071 | 4227 | 34 |  | "" | "" | 7 | Deferred decision. Flow Test. |

PERFORATION RECORD

| SIZE OF CASING | FROM | TO | SIZE OF HOLES OR SLOTS | NUMBER OF ROWS | SPACING (INCHES) | HOW PERFORATED |
| 7" | 5071 | 4927 | 1 1/2" 130 M. | 10 | 6 | Kobe |

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

SINETRACKED PIPE AND LOST TOOL RECORD

22' 42" liner (16#) sidetracked 4711-4733'.
7 1/8" washover shoe at 4725'.

DRILLERS NAMES ON LAST SHEET

DATE  APRIL 15, 1929.

STANDARD OIL COMPANY OF CALIF.

BY  [Signature]
**WELL COMPLETION REPORT-LOG**

**WELL NO. 11**
**PROPERTY** San Gabriel Standard Oil Co. of California

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

<table>
<thead>
<tr>
<th>FROM</th>
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Feb. 4, 1929 received authority to deepen to Upper Wasem Zone.

**PROPOSAL**

1. Deepen to about 4940' and cement 6\(\frac{5}{8}\)" casing.

2. Complete at about 5080' with 4\(\frac{4}{8}\)" liner.

3. The exact depth for effecting a water shut-off will be determined by coring. State Mining Bureau to be notified to witness a mudding test prior to landing the 6\(\frac{5}{8}\)" casing and for a test of water shut-off on the same.

**WORK DONE**

Cleaned out to 4674'. Drilled out cement plug 4674 to 4711'. Drilled by 22" 4\(\frac{4}{8}\)" liner 4711 to 4725' and a 7\(\frac{8}{16}\)" washover shoe at 4725'.

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
</tr>
</thead>
<tbody>
<tr>
<td>4711</td>
<td>4738</td>
<td>27 Hard sand</td>
</tr>
<tr>
<td>4738</td>
<td>4785</td>
<td>47 Sandy shale</td>
</tr>
<tr>
<td>4785</td>
<td>4795</td>
<td>10 Sticky shale</td>
</tr>
<tr>
<td>4795</td>
<td>4817</td>
<td>22 Sandy shale</td>
</tr>
<tr>
<td>4817</td>
<td>4942</td>
<td>25 Hard sand</td>
</tr>
<tr>
<td>4842</td>
<td>4950</td>
<td>3 Sandy shale</td>
</tr>
</tbody>
</table>
| 4850 | 4883 | 33 Sandy shale streaks hard sand

**PROPOSAL**

1. Deepen to about 5080' and land 6\(\frac{5}{8}\)" combination oil string, cementing through perforations at about 4940'.

2. The exact depth for effecting a water shut-off to be determined by coring.

3. State Mining Bureau to be notified to witness a mudding test prior to landing the 6\(\frac{5}{8}\)" casing and for a flow test upon completion of the well.

**WORK DONE**

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
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</thead>
<tbody>
<tr>
<td>4883</td>
<td>4890</td>
<td>7 Sandy shale</td>
</tr>
<tr>
<td>4890</td>
<td>4892</td>
<td>2 Hard sandy shale (Core 4890-4902 rec. 5')</td>
</tr>
</tbody>
</table>
| 4892 | 4895 | 1 Poorly saturated OIL SAND
| 4895 | 4896 | 3 Hard sandy shale thin streaks OIL SAND
| 4896 | 4922 | 26 Hard dark sandy shale (Core 4902-12 rec. 4', 4912-22 rec. 5')
| 4922 | 4926 | 4 Hard dark sandy shale seams OIL SAND (Core 4922-37 rec. 5')
| 4926 | 4937 | 11 OIL SAND thin streaks sandy shale
| 4937 | 4955 | 18 Hard dark sandy brown shale streaks OIL SAND, 50% sand (Core 4937-47 rec. 3', 4947-55 rec. 5')
**WELL COMPLETION REPORT-LOG—PRO. 18-3**

**WELL NO.** 11  
**PROPERTY** San Gabriel Standard Oil Co. of California

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

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
<th>FORMATION DRILLED AND CORED</th>
</tr>
</thead>
<tbody>
<tr>
<td>4955</td>
<td>5032</td>
<td>77</td>
<td>OIL SAND (Core 4955-70 rec. 3', 4970-85 rec. 4')</td>
</tr>
<tr>
<td>5032</td>
<td>5033</td>
<td>1</td>
<td>Dark sandy shale (Core 5022-37 rec. 15')</td>
</tr>
<tr>
<td>5033</td>
<td>5035</td>
<td>2</td>
<td>OIL SAND</td>
</tr>
<tr>
<td>5035</td>
<td>5037</td>
<td>2</td>
<td>Dark sandy shale</td>
</tr>
<tr>
<td>5037</td>
<td>5040</td>
<td>3</td>
<td>OIL SAND (Core 5037-47 rec. 10')</td>
</tr>
<tr>
<td>5040</td>
<td>5045</td>
<td>5</td>
<td>Sandy brown shale streaks OIL SAND, 30% sand</td>
</tr>
<tr>
<td>5045</td>
<td>5054</td>
<td>9</td>
<td>OIL SAND (Core 5047-57 rec. 9')</td>
</tr>
<tr>
<td>5054</td>
<td>5055</td>
<td>1</td>
<td>Hard gray sandstone</td>
</tr>
<tr>
<td>5055</td>
<td>5057</td>
<td>2</td>
<td>OIL SAND</td>
</tr>
<tr>
<td>5057</td>
<td>5062</td>
<td>5</td>
<td>Hard dark shale seams OIL SAND (Core 5057-71 rec. 9')</td>
</tr>
<tr>
<td>5062</td>
<td>5071</td>
<td>9</td>
<td>Hard dark sandy shale</td>
</tr>
</tbody>
</table>

Reamed hole with 8 1/2" Smith underreamer 4668 to 5071'.

Circulated mud through drill pipe for 10 hours at the end of which time the loss was at the rate of 1 bbl. per hour. Witnessed by State Mining Bureau rep. Pierce.

Feb. 24, 1929 landed 5071' 6 1/2" combination oil string and cemented through perforations at 4927' under 600# pressure. Stood cemented 7 days.

Located top of cement at 4920'. Drilled out cement 4920 to 4927' and cleaned out 4927 to 5071'.

Put 4795' 2 1/2" U.E. tubing including 23' of perforated on bottom. Washed hole clean with water.


**Production by 24 hour periods:**

<table>
<thead>
<tr>
<th>Mar.5, 1929: Flwgs.</th>
<th>1554 bbls. net oil, gravity 27.4, cut .25 emul.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.</td>
<td>1465</td>
</tr>
<tr>
<td>7.</td>
<td>1499</td>
</tr>
<tr>
<td>8.</td>
<td>1583</td>
</tr>
<tr>
<td>9.</td>
<td>1374</td>
</tr>
<tr>
<td>10.</td>
<td>1423</td>
</tr>
</tbody>
</table>

| 26.7  | .20  |
| 26.9  | .20  |
| 26.8  | .20  |
| 26.9  | .20  |
| 26.8  | .33  |

**Drillers**

R. Loughboro  
Carl Waterman  
H.A. Wood

**Depth:** 5071'. **Plugs:** None.  
**Junk:** 22' 4 1/2" casing; sidetracked 4711-4733.  
7 1/2" washover shoe at 4725'.

W.A.E. 4/15/29
Report on Test of Water Shut-off (PRODUCTION)

Los Angeles Cal. March 12 1929

Mr. L. E. Little
Whittier Cal.
Agent for STANDARD OIL COMPANY OF CALIFORNIA

Dear Sir:

Your well No. "SAN GABRIEL" 11 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- Time and date, Time and date, designated by the supervisor, was present on Mar. 5 1929, as prescribed in Section 19, Chapter 718, Statutes 1915, as amended, and there were also present W. Eardley, Engineer

Location of the water tested between 4927-4968

Depth and manner of water shut-off 6-5/8" 28# A.P.I. csg. landed 5071', and cem. thru perforations Casing cemented, landed or hole plugged up

at 4927' on Feb. 24, 1929 with 34 sacks of Golden Gate cement in an 82" hole by the thru csg. method.

Casing record of well 18" cem. 531/2; 111/2" cem. 3598', N.T.; 9" cem. 4668', decision deferred; 6-5/8"
as above. 23" tubing hung at 4798'. Total depth: 5071'. Junk: 43/4" 4711-4733'; 73/4" wash

Perforation record 6-5/8" casing 4927-5071'

Reported total depth: drilled 5071 feet; depth at time of test 5071 feet; pump depth 5071

During this production test the well produced at the rate of 1520 barrels of fluid per day of which 0.0 % was water and 0.2 % emulsion.

Method and result of production test: *over shoe 4725'. Total Depth old hole: 4733', plugged with cem. 4713-4774'.

MR. EARDLEY REPORTED THE FOLLOWING:

1. No casing test was made.
2. 7' of set cement was drilled out of the 6-5/8" casing, equivalent to 1 sacks.
3. At 9:30 a.m. March 4, 1929, the well was swabbed in at an initial rate of 1080 bbl. for 17 hr. testing a gravity of 25.90 A.P.I. cutting 2.5% emulsion, 5.3% water and 0.5% mud, under a casing pressure of 1030# and a tubing pressure of 350# and flowing thru a 21/32" bean.
4. At the time of the test the well was flowing at the gauged rate of 1520 bbl. per 24 hr. thru a 21/32" bean.

THE INSPECTOR NOTED THE FOLLOWING:

1. A sample taken from the lead line tested a gravity of 26.10 A.P.I. and a cut of 0.2% emulsion only.
2. The casing pressure was 1020# and the tubing pressure 350#.

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

cc—J.M. Atwell C.L. Andrews
Long Beach

R. D. BUSH,
State Oil and Gas Supervisor

By: Augustini Deputy
Special Report on Operations Witnessed

No. T-1-16865

Los Angeles Cal. February 26 1929

Mr. L. B. Little
Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

Dear Sir:

Operations at your well No. "SAN GABRIEL" 11 Section 11, T. 5 S, R. 12 W, S.E. 1/2 B. & M., Seal Beach Oil Field, in Los Angeles County, were witnessed by G. Peirce, representative of the supervisor, on February 21, 1929. There were also present W. Eardley, Engineer, and E. L. Bowen, Driller.

Casing Record: 18" cem. 53 1/2; 11 3/4" cem. 3598' N.T.; 9 1/8" cem. 4668' deferred decision; sidetracked junk; 4 7/8" csg. 4711'-4733'; 7 3/4" wash over shoe at 4725', old hole plugged with cement 4713'-4674'.

The operations were performed for the purpose of demonstrating that the formations between 4668' and 4926' were mudded until the loss was not more than 1 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 4668' to 5071'.
2. Mud fluid was circulated for 10 hr. prior to the test.
3. The initial rate of loss was 3 bbl. per hr.
4. The drill pipe was hanging at 5060' during the test.
5. Coring was started at 4890'. Shale was cored 4890' - 4922', and oil sand from 4932' - 4985'.

THE INSPECTOR NOTED that during a circulation test from 2:30 p.m. to 3 p.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 land 6-5/8" casing at 5071' and cement thru perforations at 4926' is hereby confirmed.

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

R. D. BUSH
State Oil and Gas Supervisor

By [Signature] Deputy
Mr. L. B. Little

Whittier, Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

Dear Sir:

Your supplementary proposal to deepen Well No. "SAN GABRIEL" 11
Section 11, T. 5 S., R. 12 W., S.B. B. & M., Seal Beach Oil Field, Los Angeles County, dated Feb. 15, 1929, received Feb. 18 1929, 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 new conditions are as follows:
Depth: 4890'.
Casing record: 18" - 534' cemented, not tested. 1 1/4" - 2598'; " " " 9" - 4668'; " passed for production test.
Material in hole: 22' - 4 5/8" casing and 7 1/2" wash over shoe at 4725', sidetracked 4711' to 4733' "

PROPOSAL:
"We now propose (Confirming conversation Copley and Huguenin)
1. Deepen to about 5080' and land 6-5/8" casing, cementing thru perforations at about 4940'.
2. The exact depth for effecting a WSO will be determined by coring.
3. Your department will be notified to witness a mudding test prior to landing 6-5/8" casing and a flow test upon completion of the well."

DECISION:
THE PROPOSAL IS APPROVED.

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

SGD: ML

R. D. BUSH
State Oil and Gas Supervisor

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

DEAR SIR:

Please be advised that our notice to you dated Feb. 6, 1929, stating our intention to deepen well No. San Gabriel #11, (drill, deepen, redrill, abandon), Sec. 11, T. 3:S., R. 12:W., SB B. & M. Seal Beach Oil Field, Los Angeles County, must be amended on account of changed or recently discovered conditions.

The new conditions are as follows:

Depth: 4990'
Casing Record: 18" - 534' Cemented, Not Tested
11-3/4" - 3598' Cemented, Passed for Production Test.
9" - 4668' Cemented, Passed for Production Test.

Material in hole: 22' - 4-3/4" Casing and 7-1/2" Wash Over Shoe at 4725', sidetracked 4711' to 4733'.

We now propose (Confirming Conservation Copley and Huguenin)

1. Deepen to about 5080' and land 6-5/8" casing, cementing thru perforations at about 4940'.

2. The exact depth for effecting a WSO will be determined by coring.

3. Your department will be notified to witness a mudding test prior to landing 6-5/8" casing and a flow test upon completion of the well.

Respectfully yours,

Standard Oil Co. of California.

(Name of Company)

By

[Signature]

Reference: [Signature]

Division Supt.

Approved: [Signature]

Division Supt.
Report on Proposed Operations

No. P-1-19139

Los Angeles Cal. Feb. 11 1929

Mr. L. E. Little

Whittier Cal.

Agent for:
STANDARD OIL COMPANY OF CALIFORNIA

Dear Sir:

Your supplementary proposal to deepen Well No. "SAN GABRIEL" 11

Section 11 T. 5 S. R. 12 W. B. & M. Seal Beach Oil Field, Los Angeles County,
dated Feb. 6 1929, received Feb. 8 1929 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 new conditions are as follows:

Depth 4733'.

Casing records: 18' - 534' cemented not tested.
11\frac{1}{2}' - 3598' " " "
9' - 4668' " passed prod. test.

Material in hole - 22' - 42\frac{1}{2}' casing land at 4733 with 7\frac{1}{2}" wash over shoe at 4725'.

Hole plugged with cement 4713' to 4674'."

PROPOSAL:

"We now propose (Confirming conversation Copley & Dolman)

1. Deepen to about 4940' and cement 6-5/8" casing.
2. Complete at about 5080 with 4\frac{1}{2}" liner.
3. The exact depth for effecting a water shut off will be determined by coring. Your dept. will be notified to witness a mudding test prior to landing the 6-5/8" casing and a test of W.S.O. on the same."

DECISION:

THE PROPOSAL IS APPROVED.

cc--J. M. Atwell

G. L. Andrews

Long Beach

R. D. BUSH
State Oil and Gas Supervisor

By E. H. Pettit
Deputy
Supplementary Notice

Whittier            Cal.        February 6, 1929

Mr. E. Huguenin
Deputy State Oil and Gas Supervisor

Los Angeles, Cal.

Dear Sir:

Please be advised that our notice to you dated Jan. 1, 1929,

stating our intention to

Deepen well No. San Gabriel #11

( Drill, deepen, re-drill, abandon )

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

Los Angeles County, must be amended on account of changed or recently
discovered conditions.

The new conditions are as follows:

Depth 4733

Casing Records 18" - 534 cemented not tested

11 2/3" - 3598 " " "

9" - 4668  " passed prod. test.

Material in hole - 22' - 4 1/2" casing land at 4733 with 7 1/2" wash

over shoe at 4725'. Hole plugged with cement 4713' to 4674'.

We now propose Conferring conversation Copley & Dolman.

1. Deepen to about 4940 and cement 6-5/8" casing.
2. Complete at about 5080 with 4" liner.
3. The exact depth for affecting a water shut off will be
determined by coring. Your Dept. will be notified to

witness a mudding test prior to landing the 6-5/8" casing

and a test of W.S.O. on the same.

Respectfully yours

Standard Oil Co. of California.

(Name of Company)

By

[Signatures and stamps]
Report on Proposed Operations

No. P-1-13902

L. B. Little

Whittier

agent for

STANDARD OIL COMPANY OF CALIFORNIA

Los Angeles

Jan. 3, 1929

Dear Sir:

Your proposal to deepen Well No. "SAN GABRIEL" 11, Section T., R. B. & M., Seal Beach Oil Field, Los Angeles County, dated Jan. 1, 1929, received Jan. 5, 1929, 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:

Your production reports on file in this office show that this well produced for 30 days in October, 1928, at the average daily rate of 291 bbl. of oil and 420 bbl. of water.

The notice states:

"The present condition of the well is as follows:
Depth = 4733'.
Casing record = 18' 534' cemented. Not tested.
11' 358' " " " "
9' 368' " Passed for Prod. test.
Material in hole = 22' - 4 3/8' csg. landed at 4733' with 7 1/2' wash over shoe at 4725'.
Hole plugged with cement 4713' to 4674'."

Proposal:
"The proposed work is as follows: (Confirming conversation Copley-Dolman)
1. Deepen to about 4960', sidetracking the 22' of 4 3/8' shown above and cement 6-5/8' csg.
2. Drill ahead to about 5340' and land 4 3/8' combination oil string cementing thru perforations at about 5140'.
3. The exact cementing points will be determined by coring.
4. Your department will be notified to witness a test of W.S.O. on the 6-5/8' casing and a mudding test prior to landing same."

Decision:
The proposal is approved.

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

R. D. Bush
State Oil and Gas Supervisor
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. January 1 1929

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, etc., in well No. San Gabriel #11

(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 - 4733'.
Csg. Record - 18" - 534' Cemented Not tested.
11-3/4" - 3598' " " "
9" - 4668' " Passed for Prod. test.

Material in hole - 22' - 4-3/4" csg. landed at 4733' with 7-1/2" Wash over shoe at 4725'. Hole plugged with cement 4713 to 4674'.

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

1. Deepen to about 5399', sidetracking the 22' of 4-3/4" shown above, and cement 6-5/8" csg.

2. Drill ahead to about 5340' and land 4-3/4" combination oil string cementing thru perforations at about 5140'.

3. The exact cementing points will be determined by coring.

4. Your department will be notified to witness a test of W. S. O. on the 6-5/8" casing and a mudding test prior to landing same.

Respectfully yours

STANDARD OIL COMPANY OF CALIFORNIA

Name of Company or Operator

By

Address Notice to Deputy State Oil and Gas Supervisor in Charge of District Where Well is Located
COMPLETION REPORT—NEW WELL—PRO. 18-1

FIELD Seal Beach. STANDARD OIL COMPANY OF CALIFORNIA. COMPANY
PROPERTY San Gabriel. WELL NO. 11 SEC. 11 T.5-5 R. 12-W B & M
LOCATION 1098.9 South of North Section line and 551.7 ELEV. 10.34 East of West Sec. line.

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

COMMENCED: RIGGING UP Jan. 13, 1927
COMPLETED: RIGGING UP Jan. 19, 1927
COMMENCED DRILLING Jan. 19, 1927
COMPLETED DRILLING Nov. 5, 1927
DATE OF INITIAL PRODUCTION
FLOWING 313 BBL OIL
DATE TO END OF FLOWING BBL WATER 8.9 "A.P.I.

GAS PRODUCTION (DAILY AVERAGE 1ST 30 DAYS)

TUBING PRESS. CASINGHEAD PRESS.

FLOW NIPPLE

CASING RECORD

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>LENGTH OF CASING</th>
<th>DEPTH LANDED</th>
<th>CEMENTED (DEPT/H.THRU/PERF)</th>
<th>WEIGHT PER FOOT</th>
<th>THREADS PER INCH</th>
<th>MAKE OF NIPPLE</th>
<th>SEAMLESS OR LAPWELDED</th>
<th>MAKE OF SHCE</th>
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<tbody>
<tr>
<td>26&quot;</td>
<td>30</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td>Stovepipe</td>
<td>Hercules SP</td>
<td>Seamless</td>
</tr>
<tr>
<td>18&quot;</td>
<td>534</td>
<td>534</td>
<td>Yes</td>
<td></td>
<td></td>
<td>Perkins</td>
<td>(1412) Matte</td>
<td>Plain</td>
</tr>
<tr>
<td>11-3/4&quot;</td>
<td>3598</td>
<td>3598</td>
<td>&quot;</td>
<td></td>
<td></td>
<td>Gold.Gate</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>9&quot;</td>
<td>4668</td>
<td>4668</td>
<td>&quot;</td>
<td></td>
<td></td>
<td>National</td>
<td>&quot;</td>
<td>&quot;</td>
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CEMENTING OR OTHER SHUT OFF RECORD

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>DEPTH LANDED</th>
<th>DEPTH CEMENTED</th>
<th>NO. SACKS USED</th>
<th>NO. SACKS TREATED</th>
<th>KIND OF CEMENT</th>
<th>METHOD</th>
<th>TIME SET DAYS</th>
<th>RESULT OF TEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot;</td>
<td>534</td>
<td>534</td>
<td>200</td>
<td>100</td>
<td>SantaCruz</td>
<td>Perkins</td>
<td>2</td>
<td>Not tested.</td>
</tr>
<tr>
<td>11-3/4&quot;</td>
<td>3598</td>
<td>3598</td>
<td>400</td>
<td>100</td>
<td>Gold.Gate</td>
<td>&quot;</td>
<td>110</td>
<td>&quot;</td>
</tr>
<tr>
<td>9&quot;</td>
<td>4668</td>
<td>4668</td>
<td>190</td>
<td>150</td>
<td>&quot;</td>
<td>&quot;</td>
<td>6</td>
<td>&quot; Flow test- passed for production</td>
</tr>
</tbody>
</table>

PERFORATION RECORD

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>FROM</th>
<th>TO</th>
<th>SIZE OF HOLES OR SLOTS</th>
<th>NUMBER OF ROWS</th>
<th>SPACING (INCHES)</th>
<th>HOW PERFORATED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>None</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

PLUG: 4674 KIND Cement.
ADAPTER: KIND SIZE
ROTARY TOOLS: FROM 0 TO 4733 FEET CABLE TOOLS: FROM TO FEET

SIDETRACKED PIPE AND LOST TOOL RECORD

23' of 4-3/4"liner(16#) at 4733' and 7-1/2' washover shoe at 4725'.

DRILLERS NAMES ON LAST SHEET

DATE December 31, 1927.

STANDARD OIL COMPANY OF CALIFORNIA

BY L. Andrews
## WELL COMPLETION REPORT-LOG—PRO. 18-3

**WELL NO.** 11 **PROPERTY** SAN GABRIEL **COMPANY**

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

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
<th>FORMATION DRILLED AND CORED</th>
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<tbody>
<tr>
<td>0</td>
<td>30</td>
<td>30</td>
<td>Surface sand and gravel</td>
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<td>60</td>
<td>Sand and gravel</td>
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<td>90</td>
<td>120</td>
<td>30</td>
<td>Sandy shale</td>
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<tr>
<td>120</td>
<td>465</td>
<td>345</td>
<td>Sand and gravel strks sandy shale</td>
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<tr>
<td>465</td>
<td>485</td>
<td>20</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>485</td>
<td>538</td>
<td>53</td>
<td>Sticky shale</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Jan. 23, 1927:</strong> Cemented 18&quot; Hercules Stovepipe at 534’</td>
</tr>
<tr>
<td>538</td>
<td>924</td>
<td>386</td>
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<tr>
<td>924</td>
<td>1287</td>
<td>363</td>
<td>Sticky shale strks hard sand</td>
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<tr>
<td>1287</td>
<td>1353</td>
<td>66</td>
<td>Hard sandy shale</td>
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<tr>
<td>1353</td>
<td>1553</td>
<td>200</td>
<td>Sticky shale strks hard sand</td>
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<td>1553</td>
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<td>1763</td>
<td>1808</td>
<td>45</td>
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<td>1808</td>
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<td>2228</td>
<td>2362</td>
<td>134</td>
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<td>2362</td>
<td>2396</td>
<td>34</td>
<td>Hard sandy shale</td>
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<tr>
<td>2396</td>
<td>2457</td>
<td>61</td>
<td>Hard sand and strks of sandy shale</td>
</tr>
<tr>
<td>2457</td>
<td>2584</td>
<td>127</td>
<td>Sandy shale strks hard sand</td>
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<td>2584</td>
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<td>74</td>
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<td>2658</td>
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<td>2827</td>
<td>2942</td>
<td>115</td>
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<td>2942</td>
<td>3079</td>
<td>137</td>
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<td>24</td>
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<td>3421</td>
<td>3482</td>
<td>61</td>
<td>Hard sandy shale strks sticky shale</td>
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<tr>
<td>3482</td>
<td>3586</td>
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<tr>
<td>3586</td>
<td>3600</td>
<td>14</td>
<td>Sticky shale</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Reamed hole with 17&quot; paddle bit from 534 to 3600’</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Feb. 19, 1927:</strong> Cemented 11-3/4&quot; casing at 3588’. Not tested.</td>
</tr>
<tr>
<td>3600</td>
<td>3635</td>
<td>35</td>
<td>Sticky shale strks hard sandy shale</td>
</tr>
</tbody>
</table>

---

**PROPOSAL**

1. To drill ahead and land and cement about 4685’ of 9” casing, exact depth to be determined by coring.
2. Cement in excess of enough to reach above 4185’ will be used and the job will be concluded under pressure.
3. To drill ahead about 75’ and land about 125’ of 6-5/8” casing as liner, including about 60’ of perforated.
4. Your dept. will be notified to witness a mudding test prior to landing the 9” casing and to witness a test of W.S.O. on same.
WELL COMPLETION REPORT-LOG—PRO. 18-3

WELL NO. 11. PROPERTY SAN GABRIEL. S.O.C.O.OF CALIFORNIA COMPANY

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

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
<th>FORMATION DRILLED AND CORED</th>
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<tbody>
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<td>3635</td>
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<td>15</td>
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<tr>
<td>3770</td>
<td>3855</td>
<td>85</td>
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<tr>
<td>3855</td>
<td>3865</td>
<td>10</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>3865</td>
<td>3900</td>
<td>35</td>
<td>Brown shale strks hard sand</td>
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<tr>
<td>3900</td>
<td>3940</td>
<td>40</td>
<td>Sticky shale</td>
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<td>3940</td>
<td>4030</td>
<td>90</td>
<td>Sticky shale strks sandy shale</td>
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<tr>
<td>4030</td>
<td>4034</td>
<td>4</td>
<td>Hard sand</td>
</tr>
<tr>
<td>4034</td>
<td>4095</td>
<td>61</td>
<td>Hard sandy shale strks hard sand</td>
</tr>
<tr>
<td>4095</td>
<td>4105</td>
<td>10</td>
<td>Sticky shale</td>
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<tr>
<td>4105</td>
<td>4135</td>
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<tr>
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<td>4153</td>
<td>18</td>
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<td>4153</td>
<td>4163</td>
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<td>4235</td>
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<td>4280</td>
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<td>40</td>
<td>Hard sandy shale</td>
</tr>
<tr>
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</tr>
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<td>4634</td>
<td>4668</td>
<td>34</td>
<td>Hard sandy brown shale (core: 4634-40-rec 6';</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>4640-45-rec 5'; 4645-48-rec 3'; 4659-64-rec 5';</td>
</tr>
<tr>
<td></td>
<td></td>
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<td>4664-68-rec 4')</td>
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<tr>
<td>4668</td>
<td>4669</td>
<td>1</td>
<td>Shale strks OIL SAND</td>
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<tr>
<td>4669</td>
<td>4674</td>
<td>5</td>
<td>HARD OIL SAND (core: 4668-70-rec 2'; 4670-72-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>recov 2').</td>
</tr>
</tbody>
</table>

Reamed hole with 11-3/4" Smith Reamer from 3700 to 4674'.
Circulated mud thru drill pipe hanging at 4664' for 8-1/2 hours
at the end of which time the loss was at the rate of 1.9 bbls. per

July 4, 1927: Cemented 9" casing at 4668' with 190 sks Golden Gate
Cement. Stood cemented 6 days. Bailed to 2000' for casing test.
Stood 4 hrs - no rise in fluid. Drilled out cement 4530 to 4668' and
cleaned out 4668 to 4674' and drilled ahead as follows:

| 4674   | 4683   | 9    | HARD OIL SAND                                  |
WELL COMPLETION REPORT—18-4
LOG AND HISTORY

WELL NO. 11.  PROPERTY SAN GABRIEL. S.O.CO.OFF CALIFORNIA COMPANY

Put in 4671' of 2 1/2" U.E. tubing, washed hole clean, pulled tubing back to 4490' and put on connections. Swabbed 9 hrs. Well started flowing 1:15 M. July 12, 1927, flowing muddy water and oil to sump. Well died 4 P.M. 7/12/27. Swabbed 3 hrs — started flowing 7:15 P.M. 7/12/27. Flowing mud, water and oil to sump at 900 bbl. rate.

July 13, 1927: Flwg 935 bbls oil, grav 27.0, cut .6 emul. 680#CP, 280#TP, 20/32" flow nipple.

Flow test witnessed by S.M.B.Rep. Vincent and shut-off passed for production. Production record by 24-hr periods:

7-14-27: Flwd 845 bbls oil, grav 26.7, cut .6 em. 710#CP, 320#TP, 20/32" nip.
15: 843 26.7 .40 700 360 19/32"
16: 901 26.7 .53 680 300 20/32"
17: 951 26.7 .50 660 300 21/32"
18: 995 25.9 .50 640 250 23/32"
19: 996 26.3 .20 620 220 24/32"

Daily average for July 1927 - flowing 925 bbls. oil and 4 bbls. of water - 16 days production.

July 29th: Killed well to deepen.

From  To  Feet  Formation drilled and cored.
4683  4688  5  HARD OIL SAND
4688  4733  45  HARD COARSE OIL SAND (core: 4688-91-rec 3'; 4701-03-blank; 4713-17-rec 2'; 4750-33-blank).

Put in 4510' of 2 1/2" U.E. tubing and washed hole. Swabbed 7-1/2 hrs. Started flowing 3:30 P.M. 8-4-27.

Production records by 24-hr periods:

8/5/27: Flwd 1035 bbls oil, grav 25.5, cut 7.0, 750# CP, 180#TP, 23/32" nip
6:  1438  25.5 .91030 180#
7:  1506  25.3 .3950 190# 24/32" 
8:  1564  25.0 .5940 175# 25/32" 
9:  1633  26.0 .65925 200#

Daily average for August 1927: Flowing 1222 bbls oil & 59 bbls water - 22 days.

Well died August 23, 1927. Swabbed 68 hours — unable to make well flow. Ran bailer and found hole sanded up to 4671'. C.O. with 4" drill pipe from 4671 to 4733'.

PROPOSAL

To land about 120' of 4-3/4" 16# casing as liner at 4733' including about 70' of perforated on bottom.
WELL COMPLETION REPORT—18-4
LOG AND HISTORY

WELL NO. 11. PROPERTY SAN GABRIEL. S.O.C.O. OF CALIFORNIA. COMPANY

August 31, 1927: Laid 122' of 4-3/4" 16# 10 thd. casing as a liner at 4733' consisting of 46' of 4-3/4" blank; 16# Pittsburgh seamless and 71' of 4-3/4" 16# Youngstown seamless Kobe perforated 8 rows - 4 rows 100-M and 4 rows 120-M 1-1/2" slots 4" centers. Washed hole clean and put in 4446' of 2½" UE tubing and pump barrel. Swabbed 48 hours - showed considerable oil and some water.

Put well on pump 10 P.M. 9-4-27. Pmpg to sump oil and water.

9-5-27: Pmpg 380 bbls oil, grav 22.1, cut 20%.
   6:
   7:
   8:
   9:
   10:

Daily average for Sept. Pmpg 357 bbls oil & 367 bbls water-24-days.

Sept. 29, 1927. Took well off pump. Bailed out sand for 6 days trying to condition hole to run water with. Unable to condition hole on account of heaving sand. Put in 4446' of 2½" UE tubing and put well on pump Oct. 5, 1927 - pumping 149 bbls oil and 264 bbls water.

Oct. 7, 1927: Pulled tubing to fish out liner and shut-off water.

Fished 19 days and recovered all but 23' of 4-3/4" liner landed at 4733' and a 7-1/2" washer shoe at 4725'.

October 28, 1927 pumped in 50 sks. Santa Cruz cement - all treated with Cal. Chloride thru 4710' of 2-1/2" tubing, est. 11 sks pumped away under 950# pressure. Stood cemented 4 days. Bailed to 2000' for casing test. Stood 4 hours - no fluid entered hole. D.O.C. 4592-4668' and cleaned out 4668-4673'. Bailed to 2000' to test. Water shut-off; stood 4 hours - water with scum of oil rose 30'. Bailed fluid back to 2000' to check the test, stood 6-3/4 hours - showed a rise of 20' of oil and 45' of water. Hole open to 4674'. Bailed fluid to 2500' - stood 4 hrs - located top of oil at 2530', top of water at 2750'. Unable to bail back to 2500'. Let stand 3 hours - top of oil found at 2080' and top of water at 3000'. Hole open to 4674'.

Put in 3467' of 2½" UE tubing and pump barrel. Put well on pump 11-5-27. Pumped 82 bbls. oil and 120 bbls. water, grav 19.2, cut 49% in 12 hrs.

Production by 24-hr periods:

11-6-27: Pumped 174 bbls oil & 70 bbls water.
11-7-27:  194 bbls oil, grav 25.1, cut 6.1
   8:
   9:
  10:
  11:
  12:

D R I L L E R S:
E. I. Bowen,
B. C. Burdick,
S. Hebert,
J. A. Porter.
CALIFORNIA STATE MINING BUREAU
DEPARTMENT OF PETROLEUM AND GAS

Report on Proposed Operations

No. P. -1-16066

Los Angeles Cal. Sept. 8 1927

Mr. L. H. Little

Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

Dear Sir:

Your supplementary proposal to drill Well No. "SAN GABRIEL" 11

Section 11, T. 5 S., R. 12 W., S.B. & M., Seal Beach Oil Field, Los Angeles County,
dated Sept. 2, 1927, received Sept. 7, 1927, 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 new conditions are as follows:
Depth: 4733'
11½" - 3598' Cemented. Not tested.
9" - 4668' Cemented. Passed for production.
Completed 7-12-27 at a depth of 4683. Average production for 15 days - 925 bbl., Gr. 26.6 cut .4%. Killed 7-29-27 to deepen. Recompleted 8-4-27 at a depth of 4733, flowing 1438 bbl., Gr. 26.4 cut .9%. Died 8-25-27."

PROPOSAL:
"We now propose (Confirming conversation Copley & Roberts) To land about 120' of 4½" 16# casing, as liner at 4733 including about 70' of perforated on bottom."

RECOMMENDATION:
The proposal is approved.

cc—J. M. Atwell
          C. M. Andrews
          Long Beach

SS: ML

R. D. BUSH,
State Oil and Gas Supervisor

By... Deputy
CALIFORNIA STATE MINING BUREAU
DEPARTMENT OF PETROLEUM AND GAS

SUPPLEMENTARY NOTICE


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

Dear Sir:

Please be advised that our notice to you dated January 14, 1927, stating our intention to drill well number San Gabriel #11,
(Drill, deepen, redrill, abandon)
Sec. 11, T. 5 S, R. 12 W, S. B. B. & M. Seal Beach Oil Field,
Los Angeles County, must be amended on account of changed or recently discovered conditions.

The new conditions are as follows:
Depth: 4733'

Casing:
18" S.P. - 534' Cemented. Not tested.
9" - 4668' Cemented. Passed for production.

Completed 7-12-27 at a depth of 4683. Average production for 16 days -- 925 bbls., Gr. 26.6 Cut .4%. Killed 7-29-27 to deepen. Recompleted 8-4-27 at a depth of 4733, flowing 1438 bbls., Gr. 26.4 Cut .9%. Died 8-25-27.

We now propose (Confirming conversation Copley & Roberts)
To land about 120' of 4-3/4" 16# casing as liner at 4733 including about 70' of perforated on bottom.

Respectfully yours,

STANDARD OIL CO. OF CALIFORNIA.

(Name of Company)

Division Superintendent.

Reference to file of data

Approved:

By

[Signature]
CALIFORNIA STATE MINING BUREAU
DEPARTMENT OF PETROLEUM AND GAS
Report on Test of Water Shut-off
(PRODUCTION)

No. T.-1-12750

Los Angeles, Cal. July 22, 1927

Mr. W. C. Black,
Whittier, Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

DEAR SIR:

Your well No. "SAN GABRIEL" 11 Section 11, T. 5 S., R. 12 W., S. E. B. & M., Seal Beach, Oil Field, in Los Angeles County, was subjected to production test for water shut-off, between 1926 and 1927. Mr. E. T. Vincent, designated by the supervisor, was present on July 13, 1927, as prescribed in Section 19, Chapter 718, Statutes 1915, as amended, and there were also present W. R. Bardley, Engineer.

Location of the water tested above 1668'.

Depth and manner of water shut-off 1668' of 9 1/2 lb. casing cement 7-lb. 27 in shale at 1668' with Casing cemented, landed or hole plugged up 190 sacks Golden Gate cement by Perkins method in 11 1/2 rotary hole.

Casing record of well 18 1/8 S.P. cement 53 1/2, 11 1/2 cement 3598', 9 3/4 cement 1668' as above, 2 3/4 tubing hung at 1490'.

Perforation record

Reported total depth: drilled 1683 feet; depth at time of test 1668 feet; pump depth 1668 feet. During this production test the well produced at the rate of 900 barrels of fluid per day of which 0.0% was water and 0.0% emulsion. 0.4% sediment.

Method and result of production test:

MR. BARDLEY REPORTED THE FOLLOWING:
1. The following cores were taken: 1659', 1664' - sticky brown shale and streaks of hard sand, 1664', 1668' - hard brown shale and streaks of oil sand, 1668', 1672' - oil sand.

2. No fluid entered the well when bailed to 2000 ft. and allowed to stand 4 hr. for casing test.

3. 138 ft. of set cement was drilled out of the 9" casing, equivalent to 1/4 sacks.

4. The last 150 sacks of cement was treated with quick setting chemical.

5. The fluid was swabbed to 1700' thru 2 3/4" tubing, as above, and started to flow into the sump at 7:15 p.m. July 12, 1927.

6. The fluid was turned into the tanks at 12:00 midnight and flowed at the gauged rate of 900 bbl. per 24 hr. thru a 20/32" bean.

THE INSPECTOR NOTED THE FOLLOWING:
1. At 3:30 p.m. the casing pressure was 690 lb., and the tubing pressure was 250 lb.

2. A sample taken from the flow line tested 27.1° A.F.I. gravity and cut 0.1% sediment. The test indicates that the 9 in. shut off is probably effective, but is not conclusive because of the high gas pressure held on the well. A decision is therefore deferred pending receipt of satisfactory data concerning this shut off after completion of the well.

cc-J. W. Atwell
C. L. Andrews
Long Beach

R. D. BUSH,
State Oil and Gas Supervisor

By: [Signature] Deputy
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. July 5, 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 #11...Sec. 11,...T. 5-S., R. 13-W., S.R.B. & M., Seal Beach Oil Field,...Los Angeles County, on the 11th day of July, 1927...

9...inch...45....lb. casing was landed/cemented in...hard sandy sh...at...4668...

on July 4. 1927.

190...sacks...Golden Gate...of cement were used.

The...Parkins...last 150 sks 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...4674...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...[Signature]

Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located
Special Report on Operations Witnessed

No. T. 1-12648

Los Angeles, July 2, 1927

Mr. W. G. Black, Whittier, Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

Dear Sir:

Operations at your well No. "SAN GABRIEL" 11, Section 11, T. 5 S., R. 12 W., S.B. B. & M., Seal Beach Oil Field, in Los Angeles County, were witnessed by E. T. Vincent on June 27, 1927. There were also present: R. D. Copley, Engineer; W. M. Quinn, Driller.

Casing Record: 15" S.P. Com. 53'-11" Com. 359'-not tested.

The operations were performed for the purpose of testing the effectiveness of the mudding of the formations between 359'-4668'.

and the data and conclusions are as follows:

MR. COPLEYS REPORTED THE FOLLOWING:

1. A 10 5/8' rotary hole was drilled from 359'-4674'.
2. Mud fluid was circulated for 6'/hr. prior to the test.
3. No record was kept of the loss of mud fluid prior to the test.
4. The drill pipe was hanging at 4664' during the test.
5. The following cores were taken:
   463'-464' - hard sandy brown shale,
   4659'-468' - hard sandy brown shale,
   4668'-4669' - carbonaceous shale and streaks of oil shale,
   4669'-4672' - hard oil sand.

THE INSPECTOR NOTED THAT during a circulation test from 10:40 a.m. to 11:10 a.m. mud fluid was lost from the pit at the rate of 1.9 bbl. per hr.

THE MUDDING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

Oral approval given to cement 9" casing at 4668' is hereby confirmed.

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

ETV:SCS

R. D. BUSH,
State Oil and Gas Supervisor

By: Deputy
CALIFORNIA STATE MINING BUREAU
DEPARTMENT OF PETROLEUM AND GAS

Report on Proposed Operations

No. P.—1-15522

Los Angeles Cal. June 15 1927

Mr. W. G. Black
Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

DEAR SIR:

Your supplementary proposal to drill Well No. "SAN GABRIEL" 11
Section 11, T. 5 S., R. 12W, S.B. B. & M., Seal Beach Oil Field, Los Angeles County,
dated June 10, 1927, received June 14, 1927, 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 new conditions are as follows:

Depth - 3635'
Casing 18" S.P. - 534' Cmtd. Not tested.
11-7/8" - 3598' " "

PROPOSAL:
"We now propose (Confirming conversation Roberts & Copley)
1. To drill ahead and land and cement about 4625' 9" casing, exact depth to be determined by coring.
2. Cement in excess of enough to reach above 4185' will be used and the job will be concluded under pressure.
3. To drill ahead about 75' and land about 126' 6-5/8" casing as liner, including about 60' perf.
4. Your Dept. will be notified to witness a mudding test prior to landing the 9" casing and to witness a test of W.S.C. on same."

RECOMMENDATION:
The proposal is approved.

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

R. D. BUSH,
State Oil and Gas Supervisor

By: 
Deputy

Mr. E. Huguenin, ..........................................................

Deputy State Oil and Gas Supervisor

Los Angeles, ............................................................. Cal.

Dear Sir:

Please be advised that our notice to you dated January 14th, 1927, stating our intention to drill well number San Gabriel #11, (Drill, deepen, redrill, abandon), Sec. 11, T. 5-S, R. 12-W, S. B. B. & M. Seal Beach, Los Angeles, County, must be amended on account of changed or recently discovered conditions.

The new conditions are as follows:

Depth 3635

Casing 18" S.P. - 534' Cmtd. Not tested.


We now propose (Confirming conversation Roberts & Copley)

1. To drill ahead and land and cement about 4685' 9" casing, exact depth to be determined by coring.

2. Cement in excess of enough to reach above 4185 will be used and the job will be concluded under pressure.

3. To drill ahead about 75' and land about 125' 6-5/8" casing as liner, including about 60' perf.

4. Your Dept. will be notified to witness a mudding test prior to landing the 9" casing and to witness a test of W.S.O. on same.

Respectfully yours,

STANDARD OIL COMPANY OF CALIF., (Name of Company)

Division Superintendent.
CALIFORNIA STATE MINING BUREAU
DEPARTMENT OF PETROLEUM AND GAS

Report on Proposed Operations

No. P-1-14584

Los Angeles Cal. Jan. 20 1927

Mr. W. G. Black

Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA Company

Dear Sir:

Your proposal to drill Well No. "SAN GABRIEL" 11

11 5 S 12 W S.B. R & M., Seal Beach Oil Field, Los Angeles County, dated Jan. 14, 1927, received Jan. 18, 1927, 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 1098.9' S. of N. Sec. Line and 551.7' E. from W. Sec. Line.
The elevation of the derrick floor above sea level is 10.34', 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:

<table>
<thead>
<tr>
<th>Size of Casing</th>
<th>Weight</th>
<th>New or Second Hand</th>
<th>Depth Landed or Cemented</th>
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<tbody>
<tr>
<td>18&quot; S.P.</td>
<td>70</td>
<td>New</td>
<td>550</td>
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<tr>
<td>11½&quot;</td>
<td>60</td>
<td>&quot;</td>
<td>3550</td>
</tr>
<tr>
<td>9&quot;</td>
<td>45</td>
<td>&quot;</td>
<td>4400-4500</td>
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Your Dept. will be notified before running 9" casing in hole and to witness test on 9" shut off. Your Dept. 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 mud fluid of not less than 70 lb. per cubic foot shall be used in the drilling of the well, and the column of mud fluid shall be maintained at all times to the surface, particularly while pulling the drill pipe.

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

R. D. BUSH,
State Oil and Gas Supervisor

By: Deputy
CALIFORNIA STATE MINING BUREAU
DEPARTMENT OF PETROLEUM AND GAS

NOTICE OF INTENTION TO DRILL NEW WELL

This notice must be given before drilling begins

CHEVRON U.S.A. INC.

Whittier, Cal. Jan. 14, 1927

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

DEAR SIR:

"SAN GABRIEL" II

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

The well is 1098.9 feet S. and 561.7 feet E. from W. Sec. Line.

The elevation of the derrick floor above sea level is 10.34 feet. U.S.G.S.

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

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<th>Size of Casing, Inches</th>
<th>Weight, Lb. Per Foot</th>
<th>New or Second Hand</th>
<th>Depth</th>
<th>Landed or Cemented</th>
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<td>9</td>
<td>45</td>
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<td>4400-4500</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

Your Dept. will be notified before running 9" casing in hole and to witness test on 9" shut off. Your Dept. 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]
Div. Supt.

Telephone number __________

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

By: [Signature]

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

<table>
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<th>Well #</th>
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<td>Seal Beach[688]</td>
<td>Alamitos[03]</td>
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### Sum By

- County: **Los Angeles [037]**
- Field: **Seal Beach [688]**
- Operator: **Chevron U.S.A. Inc. [C5640]**
- Lease: **San Gabriel**

### Well Records

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### Production Data

Show **25** entries
# REPORT OF PROPERTY AND WELL TRANSFER

**Field or County:**

**District:**
- District 1 (Cypress, California)

**Former owner:**
- ChevronTexaco Exploration & Production Co.

**API Number:**
- C5680

**Date:**
- 9/23/2005

---

### 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

---

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

**Date of transfer:**
- 7/11/2005

**New owner:**
- Chevron U.S.A. Inc.
- C5640

**Address:**
- 9525 Camino Media
- Bakersfield, CA 93311

**Type of organization:**
- Corp.

**Telephone:**
- 661/654-7065

**Reported by:**
- OG30A received in Sacramento 9/2005

**Confirmed by:**
- Same as above

**New operator new status:**
- PA

**Designation of Agent:**
- Greg Leyendecker, Agent

**Old operator new status:**
- AB

**Remarks:**
- For further information see Operator file (C5640) Chevron U.S.A. Inc.

---

**OPERATOR STATUS ABBREVIATIONS**
- PA – Producing Active
- NPA – No potential, Active
- PI – Potential Inactive
- NPI – No potential, Inactive
- AB – Abandoned or No More Wells

**cc:**
- Update; Envir Desk (2); File Conservation Committee
- Harold W. Bertholf, Inc.
- L.A. & Orange County Assessors
- WellStats – Cypress Dist. 1
- WellStats – Sacramento HQS

### FORM AND RECORD CHECK LIST

<table>
<thead>
<tr>
<th>Form or Record</th>
<th>Initials</th>
<th>Date</th>
<th>Map or Book</th>
<th>Notice cancellations</th>
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<tr>
<td>Form OGD121</td>
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<td>Production Reports</td>
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**Deputy Supervisor:**
- R. K. Baker

**Signature:**
- Richard K. Baker, District Deputy

**Date:**
- 9-23-05

**Bond Status:**
- B3

**EDP:**
- H65

**Data Base:**
- DA (M) 9-24-05
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).
STENOGRAPHER

Form Filed  Subsequent with report of abandonment.
Date Rec'd. 3-1-46.
Electric Log 3-1-46
Location
Elevation

ENGINEER

Form Needed
Map Correction Yes—show abnd.
Form 150b (Date of Release)

At Request of Operator Blanket
Because Abandoned 3-1-46.
Because Request by Oper.

Remarks OK receipt for abnd. report indy.
OK final bills 3/4/46

3/4/46
Forms Filed: Completion report - alter casing

Date Rec'd: 4-26-45

Electric Log
Location
Elevation

ENGINEER
Form Needed
Map Correction

Form 150b (Date of Release)
At Request of Operator: Blanket
Because Abandoned
Because Request by Oper.

Remarks: First of casing alteration

Irma
620 South Hill Street
Los Angeles 14, California
March 6, 1946

Mr. W. C. Johnson
Box 2437 Terminal Annex
Los Angeles 54, California

Agent for Standard Oil Company of California

Dear Sir:

Your report of abandonment of well No. "San Gabriel" 17, Sec. 11, T. 5 S., R. 12 W., S. B. R. & M., Seal Beach oil field, Los Angeles County, dated February 20, 1946, has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this division, which are based on all information filed with it, have been fulfilled.

Yours truly,

R. D. Bush
State Oil and Gas Supervisor

By [Signature]
Deputy Supervisor.

cc - Mr. R. D. Bush
Mr. J. E. Toussaint
Mr. G. A. Collins
Long Beach

MAP | MAP BOOK | CARDS | BOND | FORMS
---|---|---|---|---
32 | 3-8-46 | Blanket

[Handwritten notes]}
San Gabriel #17
Seal Beach

Well was last produced in April 1937, when it averaged 48 B/D oil and 328 B/D water, 26.5° gravity, for 6 days. (Pro 20 figures) Curtailled.

Proposal (dated 3-8-43)

1. Recover 6-5/8” casing from 3950’, or above.
2. Recover 9” casing from 3950’, or above.

Work Done

March 2-5, 1943, Harbor Production Service, contractor, moved in equipment, rigged up, and took strain on 6-5/8” casing.

March 6-9, 1943, ran Beach-Ross inside cutter on 2½” tubing and cut 6-5/8” casing at 3950’. Pulled and recovered 6-5/8” casing from where cut off at 3950’, thus leaving in hole 995’ of 6-5/8” casing from 3950-4950’.

March 10-15, 1943, ran Beach-Ross inside cutter on 2½” tubing and cut 9” casing at 3920’. Pulled and recovered 9” casing from where cut off at 3920’, thus leaving in hole 893’ of 9” casing from 3920-4818’.

Well remains shut in.

SUMMARY

Total Depth: 5137’.

Casing: 20” stovepipe cemented 99’. Not tested.
16” ” ” 590’.
11½” casing ” 1423’ W. S. 0.
895’ – 9” casing ” 1431’ W. S. 0.
995’ – 6-5/8” Casing ” 1465’ Deferred decision.

Junk material in hole: 4½” McGregor-Strang (Perkins) perforation washer complete, 16’ overall, inside 4½” casing from 5040-5060’.

Drillers: J. M. Newby.
T. F. Jones
W. J. Hathaway

Contractors: Harbor Production Service.

B. MAFF

5-16-45
WELL COMPLETION REPORT
PRO 182

REDDRILLING:  DEEPENING:  ABANDONING:

FIELD  SEAL BEACH  STANDARD OIL COMPANY OF CALIFORNIA
PROPERTY  SAN GABRIEL  LOS ANGELES, CALIFORNIA

WELL NO. 17  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

COMMENCED WORK  October 22, 1945
COMPLETED WORK  October 31, 1945
TOTAL DEPTH  5137'
REDDRILLED FROM  TO
DEEPENED FROM  TO
PLUGGED FROM  TO
CABLE TOOLS: FROM  TO
FEET

PURPOSE OF WORK

Abandon

PRODUCTION

6 (Pro 20) April 1945
80 DAY AVERAGE PRIOR OR LAST AVAILABLE
30 DAY AVERAGE AFTER

Abandoned 10-31-45

CASING RECORD AFTER REDDRLING, DEEPENING OR ABANDONING

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<th>LENGTH OF CASING</th>
<th>DEPTH LANDED</th>
<th>DEPTH LANCED</th>
<th>CEMENTED (DEPTH IF THRU PERF.)</th>
<th>WEIGHT PER FOOT</th>
<th>THREADS PER INCH</th>
<th>MAKE OF CASING</th>
<th>SEAMLESS OR LAPWELDED</th>
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<td>Yes</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>50/&quot;</td>
<td>8</td>
<td>American</td>
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Cementing or Other Shut Off Record

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<th>NO. BACKS TREATED</th>
<th>KIND OF CEMENT</th>
<th>METHOD</th>
<th>TIME SET</th>
<th>RESULT OF TEST</th>
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<td>505</td>
<td>505</td>
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<td>4605</td>
<td>500</td>
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<td>9&quot;</td>
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6-5/8" 4945 4945 20 Gold Gate Perkins 11 Deferred decision

Perforation Record

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<th>TO</th>
<th>SIZE OF HOLES OR SLOTS</th>
<th>NUMBER OF ROWS</th>
<th>SPACING (INCHES)</th>
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<td>5036</td>
<td>6/8&quot; x 2&quot;</td>
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<td>Baasch-Rose long knife</td>
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| PLUG: | Yes |
| ADAPTER: | Cement |

Length  See history
Top at 505'

Sidelocked Pipe and Lost Tool Record

4-3/4" McGregor-Strang (Perkins) perforation washer complete, 16' overall, inside 4-3/4" casing from 5044-5060'.
748' of 21/2" tubing inside 6-5/8" casing from 3994-4732' including a 6-5/8" Guiberson tubing catcher at 4034' and 21/2" x 9' tubing type pump at 4710'.

Discussion

This well was completed with the top 31' of the Upper Sesem Zone exposed in December, 1928, averaging 763 B/D oil and 40 B/D water during the first thirty days. Production gradually declined to 9 B/D oil and 325 B/D water in March, 1934.

In June, 1935, plugged from 5040' to 4974' and returned well to production, averaging 39 B/D oil and 184 B/D water for 10 days. Well was then shut in for curtailment, except for a 6-day pumping test in April, 1937, during which well averaged 8 B/D oil and 348 B/D water with pump at 4910'.

In February, 1940, well gang started to salvage the 23/4" tubing but found same stuck. After a week's fishing job, cut and recovered 23/4" tubing to 3984', thus leaving 748' of 23/8" tubing inside 6-5/8" from 3984-4722' including a 6-5/8" Quiberoa tubing catcher at 4054'.

In March, 1945, the 6-5/8" casing was cut and recovered from 3980' and the 9" casing was recovered from 3980', and the steel derrick removed. Well is thus partially abandoned in its present condition and considering its edge location and mechanical condition, further expense to produce this well does not appear warranted. Furthermore, there are no other horizons that would justify expense of attempting to recover tubing and gun perforate for production. Well last produced in April, 1937, averaging 8 B/D oil and 348 B/D water for 6 days.

Proposal (dated 9-23-45)

1. Wash down to 3984'. (Top of junk tubing.)

2. Pump in cement at 3984' and allow cement to siphon down hole. Continue cement plug up to 3580' (or 40' above stub of 9" casing at 3980'). Division of Oil and Gas to witness location and hardness of plug at 3980'.

3. Fill hole with fluid. Recover 11-3/4" casing from 475', or above, if necessary, and cap stub with 20' of cement. Division of Oil and Gas to witness plug at about 455'.

4. Fill hole with fluid to surface.

5. Weld steel plate, or screw bell plug in top of 13" casing at cellar floor, and abandon hole in that condition.

6. Clear location.
Mark Done

October 22-23, 1945, H. L. Bazons, contractor, moved in equipment and rigged up. Ran 3½" x 50' bailer, which stopped at 446'. Found wood in hole at that depth.

October 24-25, 1945, recovered pieces of wood and concrete at 446' with a 5-prong grab and center spear. Lost 1 prong off of grab in hole at 446'.

October 25, 1945, dumped 17 sacks construction cement at 446'.

Location and hardness of cement plug at 415' witnessed and approved by Inspector A. Feil of the Division of Oil and Gas.

October 26, 1945, shot 11-5/4" casing at S94'.

October 27, 1945, cleaned out cement in annulus between 11-5/4" and 12" pipe and broke up cement with a 1½ shot. Pulled 11-5/4" casing from where shot off at 914', thus leaving in hole 3594' of 11-5/4" casing from 894-4433'.

October 29, 1945, drove wood plug in stub of 11-5/4" at 994' and dumped 33 sacks cement on top of plug at 994'.

Location and hardness of cement plug at 995' witnessed and approved by Inspector Chas. Corwin of the Division of Oil and Gas.

October 31, 1945, welded steel plate on stub of 12" casing in cellar and abandoned hole in that condition.
SUMMARY

Total Depth: 5137'

Plugs: 505-504'; 419-446'; 4974-5040', cement.

Casing: 20' cemented 39'. Not tested.
16' 508'.
4254' 11-5/8' 4658'. N.S.O.
593' 8' 4919'. N.S.O.
595' 6-5/8' 4945'. Deferred decision.
200' 4-3/4' loaded 5066'. Perforated 4949-5038'; reperf. 4973-5035'; plugged with cement 4974-5040'.

Junk: 4-5/8' McGregor-Strang (Perkins) perforation washer complete.
16' overall, inside 4-5/4' casing from 5044-5060'.
740' of 2 1/2' tubing inside 6-5/8' casing from 5954-4738'.
including a 6-5/8' Guiberson tubing catcher at 4054'.
and 2 1/2' x 9' tubing type pump at 4710'.
1 prong off of grab in hole at 446'.

Perforation Detail:
4-5/4' from 4949-5038', 1 1/2' x 120 mesh, 9 rows, 6' centers, Kobe.
4-3/4' from 4975-5026', 5/8' x 2', 2 rows, 20' centers,
Beach-Ross long knife.

Contractor and Driller: H. L. Evans.

Status: Abandoned October 31, 1945.

E. RAPP

Date: 3f
February 20, 1946.
Mr. W. C. Johnson  
Los Angeles 54  
Calif.  

Agent for STANDARD OIL COMPANY  

Dear Mr. Johnson:  

Operations at your well No. "San Gabriel" 17 Sec. 11, T. 5 S., R. 12 E., S. B. B. & M., Seal Beach Field, in Los Angeles County, were witnessed by Chas. Corwin, Inspector, representative of the supervisor, on October 30, 1945. There was also present H. L. Agmon, Driller, and H. J. Agmon, Helper.

Casing Record: 28" cem., 20'; 18" cem., 505'; 11-3/4" cem., Junk; None sidetracked.  
W.S.O.; 6-5/8" cem., 3950'-1271', def. dec.; 4-3/4" Id.  
4585'-5088'; perf. 4949'-5088'; Junk (in hole) 2-1/2" tubing 3934'-1732' including 6-5/8" Gilberson tubing; catcher at 4034' and 2-1/2" x 9' tubing pump at 4710'.

The operations were performed for the purpose of testing the location and hardness of a cement plug placed from 385' to 365', in the process of abandonment.

The inspector arrived at the well at 1:00 P.M. on October 29, 1945. Mr. E. M. E. Monson reported that the 11-3/4" casing was shot and pulled from 388' and a wooden plug was driven in the stub to 385'.

The inspector noted that plugging operations were started by dumping cement in the hole at 385'.

The inspector arrived at the well at 9:30 A.M. on October 30, 1945. Mr. E. M. E. Monson reported that on October 29, 1945, 33 sacks of cement was dumped in the hole beginning at 385'.

The inspector noted that the bailer could not be spudded below 365' and brought up a sample of set cement.

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

The location and hardness of the cement plug at 365' are approved.

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

CC: ES  

R. D. Bush  
State Oil and Gas Supervisor  
By  

State Printing Office  
43305 1-45 1946
DEAR SIR:

Operations at your well No. "San Gabriel" 17 Sec. 11, T. 5 S., R. 12 W., S.B. B. & M., Seal Beach Field, in Los Angeles County, were witnessed by A. Pfeil, Inspector, representative of the supervisor, on October 29, 1945. There was also present H. E. Eramons, Contractor, and D. H. Callon, Helper.

Casing Record:
- 28" casing: 59 ft. 18" casing: 506 ft. 11-3/4" casing: Junk None sidetracked.
- 3950 ft. 100 ft. def. dev.: 11-3/4" id. 1983 ft. 5000 ft. perf.
- 1720 ft. Junk (in hole) 2-1/2" tubing from 3984 ft.
- 1732 ft. including 6-5/8" Guiberson tubing catcher at 1903 ft. and 2-1/2" tubing pump at 1970 ft. 11-3/4"

The operations were performed for the purpose of testing the location and hardness of a cement plug placed from 444 ft. to 418 ft. in the process of abandonment.

The inspector arrived at the well at 10:15 A.M. and Mr. Eramons reported:
1. The hole was cleaned out to 444 ft.
2. The hole could not be cleaned out below 444 ft. due to a concrete and wood bridge found at that depth.
3. On October 25, 1945, 17 sacks of cement was dumped into the hole beginning at 444 ft.

THE INSPECTOR NOTED: The bailer could not be spudded below 418 ft. and brought up a sample of set cement.

The test was completed at 11:00 a.m.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 418 FT. ARE APPROVED.

AP: OH

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

R. D. BUSH
State Oil and Gas Supervisor

By C. H. Musick
Deputy
STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P 1-1219

Los Angeles, Calif. October 1, 1913

Mr. W. C. Johnson

Los Angeles, Calif.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

Dear Sir:

Your proposal to abandon Well No. "San Gabriel" 17, Section 14, T. 12 S., R. 12 W. S.B., B. & M., Seal Beach Field, Los Angeles County, dated Sept. 25, 1913, received Sept. 27, 1913, has been examined in conjunction with records filed in this office. Present conditions as shown by the records and the proposal are as follows:

RECORDS: The condition of the well is as stated in the notice.

THE NOTICE STATES:

"The present condition of the well is as follows:

1. Complete casing record.

Total depth 5137

Casing: 28" Cemented 591

18" # 505

11-3/4" # 4538 W.S.O. (All 60# seamless)

11-7/8" of 9" # 4518 W.S.O.

9 3/8" of 6-5/8" # 4945 Deferred decision

200' of 4-1/2" Id. 508 Perf. 4975-50351

Plugged with cement 4974-5040:

Junk: 748' of 2 3/8" tubing inside 6-5/8" casing from 3984 to 4732', including 6-5/8" Gilberson tubing catcher at 4034' and 2 3/8" x 9' tubing type pump at 4710'

16' of 4-1/2" perforation washer inside 4-3/8" casing from 5041 to 5060'

Condition of Casing: Top of junk tubing inside 6-5/8" water string at 3984', unable to recover.

Last Production - April 1937 - Averaged 8 B/D oil and 348 B/D water for 6 days.

Steel derrick has been removed.

PROPOSAL:

"The proposed work is as follows: (confirming conversation Collins—Murray—Avery)

Move in contract hydraulic jack and gin pole.

1. Wash down to 3984'. (Top of junk tubing)

2. Pump in cement at 3984 and allow cement to spool down hole. Continue cement plug up to 3830' (or 40' above stub of 9" casing at 3920') Your department to witness location and hardness of plug at 3880'.

3. Fill hole with fluid. Recover 11-3/4" casing from 475' or above if necessary and cap with 20' of cement. Your department to witness plug at about 455'.

4. Fill hole with fluid to surface.

5. Weld steel plate on screw bull plug in top of 18" casing at cellar floor and abandon hole in that condition.

6. Clear location."

R. D. BUSH
State Oil and Gas Supervisor

By (CONTINUED ON PAGE 2) Deputy
STANDARD OIL COMPANY OF CALIFORNIA

Well No. "San Gabriel" 17, Section 11, T. 5 S., R. 12 W., S.B. B. & M.,

DECISION:
THE PROPOSAL IS APPROVED.

NOTE: This division shall be consulted if the proposed work is not to be performed under your direct supervision.

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

R. D. BUSH
State Oil and Gas Supervisor

By
Deputy
Steel derrick has been removed.

The proposed work is as follows: (confirming conversation Collins--Murray--Aarvon)

Move in contract hydraulic jack and gin pole.

1. Wash down to 3984'. (Top of junk tubing)

2. Pump in cement at 3984 and allow cement to siphon down hole. Continue cement plug up to 3880' (or 40' above stub of 9'' csg @ 3920'). Your department to witness location and hardness of plug at 3880'.

3. Fill hole with fluid. Recover 11-3/4'' casing from 475' or above if necessary and cap stub with 20' of cement. Your department to witness plug at about 455'.

4. Fill hole with fluid to surface.

5. Weld steel plate or screw bull plug in top of 18'' casing at cellar floor and abandon hole in that condition.

6. Clear location.

STANDARD OIL COMPANY OF CALIF.

SOUTHERN DIST.
STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well
This notice must be given at least five days before work is to begin

Los Angeles       Calif.         September 25       1945

DIVISION OF OIL AND GAS

Los Angeles       Calif.

In compliance with Sec. 3228, 3229, 3230, 3231 and 3232, Ch. 93, Stat. 1939, notice is hereby given that it is our intention to abandon well No. San Gabriel #17

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

Los Angeles County, commencing work on the 6th day

of November 1945

The present condition of the well is as follows:

1. Complete casing record.
   Total depth 5137' Plugs: 4974' - 5040'
   Casing: 28' Cemented 59'
             18' 505'
             11-3/4' 4638' W.S.O. (All 60#/ seamless)
             898' of 9' 4818 W.S.O.
             995' of 6-5/8' 4945 Deferred decision
             200' of 4-3/4' 1d. 5088 Perf. 4949-5088' Reperf. 4975-5035'
             Plugged with cement 4974-5040:

   2. Junk:
      748' of 2½' tubing inside 6-5/8' casing from 3984-4732', including 6-5/8'
      Cuniberson tubing catcher at 4034' and 2½' x 9' tubing type pump at
      4710'.
      16' of 4-3/4' perforation washer inside 4-3/4' casing from 5044'-5060'

   3. Condition of Casing:
      Top of junk tubing inside 6-5/8' water string at 3984', unable to recover.

   4. Last Production - April 1937 - Averaged 8 B/D oil and 348 B/D water for 6
      days.

   5. CC: D.O.G.
      L.A. FILE
      MURPHY FILE
      J.E.T.

   6. Standard Oil Company of California

(Note of Operator)

By

Address Notice to Division of Oil and Gas in District Where Well Is Located

So. Dist.
No. P 1-38256

Los Angeles, Calif. March 16, 1943

Mr. W. C. Johnson,

Los Angeles, Calif.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

Dear Sir:

Your proposal to alter casing Well No. "SAN GABRIEL" 17,
Section 11, T.5 S., R.12 W., S.B.B. & M., Seal Beach Field, Los Angeles County, dated March 8, 1943, received March 15, 1943, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

RECORDS: The condition of the well is as stated in the notice.

THE NOTICE STATES:

The present condition of the well is as follows:

1. Complete casing record.
   Total Depth: 5137'.
   Casing: 28' cemented 18', not tested
   11-3/4' 4638', W.S.O. (60# seamless)
   9' 4818', W.S.O. (50# seamless)
   6-5/8' 4945', deferred decision (28# seamless) 15.62
   200' - 4-3/4' landed 5038', perf'd. 4949'-5038', reperf'd. (2975-5035 and plugged with cement 4974'-5040' (16# seamless)
   Junk: 4-3/4' perforation washer, 16' overall, inside 4-3/4' casing from 5041'-5060' to 5058'-5088', 71/2' 2-1/2' tubing from 3952'-4732' including 6-5/8' Guiberson tubing catcher at 4031' to 2-1/2' tubing type pump at 4710'.

Condition of Casing: No record of bad pipe.

Recent Production: When last produced in April, 1937, averaged 8 oil & 348 water daily for 6 days.

PROPOSAL:

The proposed work is as follows:

1. Recover 6-5/8' casing from 3950' or above.
2. " 9' " 3950' "

DECISION:

THE PROPOSAL IS APPROVED.

cc- Company
J. E. Toussaint
Long Beach
WJS: OH

R. D. BUSH
State Oil and Gas Supervisor
By E. H. Mussen Deputy

Blanket bond No. 101,906
Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well
This notice must be given fifteen days before work begins when possible

Los Angeles, Calif. March 8 1943

DIVISION OF OIL AND GAS

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of deepening, redrilling, plugging or altering casing at well No. San Gabriel #17

(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:

1. Complete casing record.

<table>
<thead>
<tr>
<th>Total Depth: 5137'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing: 28' cemented</td>
</tr>
<tr>
<td>18'</td>
</tr>
<tr>
<td>11-3/4'</td>
</tr>
<tr>
<td>9'</td>
</tr>
<tr>
<td>6-5/8'</td>
</tr>
<tr>
<td>200'</td>
</tr>
<tr>
<td>4-3/4' landed</td>
</tr>
<tr>
<td>59', not tested</td>
</tr>
</tbody>
</table>

Plugs: 4974-5040

Junk: 4-3/4' perforation washer, 16' overall, inside 4-3/4' casing from 5044-5060'.
748-23' tbe. from 3984-4732' including 6-5/8' Guiberson tubing catcher at 4034', 5/8' x 9' tubing type pump at 4710'.

The proposed work is as follows:

Condition of Casing: No record of bad pipe.
Recent Production: When last produced in April, 1937, averaged 8 oil & 348 water daily for 6 days.

1. Recover 6-5/8' casing from 3950' or above.
2. " 9' "  " 3950' "  "

Stanard Oil Company of California


Address Notice to Division of Oil and Gas in District Where Well is Located
Mr. L. B. Little,  
Los Angeles, Cal.  

Dear Sir:

Operations at your well No. "SAN GABRIEL" 17 Section 11, T. 5 S., R. 12 W., S.E. 1/4 B. & M., Seal Beach Oil Field, in Los Angeles County, were witnessed by G. Fiege, representive of the supervisor, on June 19, 1935. There was also present H. Cariker, Driller, and S. Countess, Helper.

Casing Record 18" cas. 505', 11½" cas. 463½', W.S.O.; 9" cas. 491½', W.S.O.; 6-5/8" cas. 494½', def. dec.; 4½" liner 488½'-5088', perf. 4949½'-5088'; Junk; 4½" perforation washer 5044½'-5060'; T.D. 5137', plugged with cement 5042½'-4974½'.

The operations were performed for the purpose of testing the location and hardness of a cement plug proposed to be placed from 5044½' to 4975' in the process of plugging and the data and conclusions are as follows:

ENGINEER FIEGE ARRIVED AT THE WELL AT 1:15 P. M. AND MR. G. COLLINS, ENGINEER, REPORTED THE FOLLOWING:
1. The hole was cleaned out to 5042½'.
2. The 4½" casing was reperforated 4974½'-5035½'.
3. On June 9 - 11, 1935, 24 sacks of Santa Cruz cement was dumped in the hole in stages beginning at 5042½'.
4. Water was run into the hole during the cementing operations.

ENGINEER FIEGE NOTED THAT the bailer could not be spudded below 4974½' and brought up a sample of set cement.

The test was completed at 2:00 p. m.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 4974½' ARE APPROVED.

cc-F. C. McConnell  
R. C. Stoner  
Long Beach  
GP:OH

R. D. BUSH  
State Oil and Gas Supervisor
By [Signature] Deputy
Mr. L. E. Little,

Los Angeles, Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

Dear Sir:

Your proposal to plug Well No. "SAN GABRIEL" 17, Section 11, T. 58., R. 127., S. E. B. & M. Seal Beach Oil Field, Los Angeles County, dated May 14, 1935, received May 16, 1935, has been examined in conjunction with records filed in this office. Present conditions as shown by the records and the proposal are as follows:

RECORDS: The condition of the well is as stated in the notice.

THE NOTICE STATES:
"The present condition of the well is as follows: Depth: 5137'. Plugs: None. Casing: 18" Cemented 505' not tested. 11-3/4" 4638' water shut off. 9" 4818'. 6-5/8" 4945' Deferred Decision. (All 26# Seamless Casing). 200'. 4-3/4" Liner landed 5088'. Perforated 4949-5068 (all 16# Seamless casing). Junk: A 4-3/4" McGregor-Strang perforation washer complete (16' over all) inside 4-3/4" casing from 5044-5060'. Remarks: On Sept. 27, 1934, the well pumped 20 Bbls. oil and 491 Bbls. water. On Sept. 29, 1934, ran Oilfields Service Co. (Elliott) water with. Water reported entering at 4985 and below. Hole open to 5020' at time of run. Well has been standing idle since Sept. 29, 1934."

PROPOSAL:
"The proposed work is as follows: (Confirming conversation Collins-Walling)
1. Clean out to 5044' (top of perforation washer) if possible.
2. Reperforate 4-3/4" oil string from about 5035 to 4975'.
3. Swab perforations from 5035 to 4975; bail hole clean and dump cement plug 5044 to 4975' running water in hole while dumping cement to apply pressure. Your Dept. to witness location & hardness of this plug. It is understood that plug at 4975' will constitute permanent abandonment of lower portion of hole.
4. Make production test. If production is unsatisfactory, a supplementary proposal covering further work will be forwarded."

DECISION:
THE PROPOSAL IS APPROVED.

cc: P. C. McConnell
R. C. Stoner
Long Beach
WJC: G

R. D. BUSH
State Oil and Gas Supervisor

By
Deputy
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, Cal. May 14, 1935

Mr. E. Huguenin,
Deputy State Oil and Gas Supervisor

Los Angeles, Cal.

DEAR SIR:

In compliance with Section 17, Chapter 718, Statutes of 1914, as amended, notice is hereby given that it is our intention to commence the work of deepening, plugging or altering casing at well No. San Gabriel #17

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: 5137' Plugs: None

Casing: 18" Cemented 505' not tested
11½" 4638' water shut off
9¼" 4818'
6-5/8" 4945' Deferred Decision. (All 28# Seamless Casing)
200' 4½" Liner landed 5088'. Perforated 4949-5088 - (all 16# Seamless casing.)

Junk: A 4½" McGregor-Strang perforation washer complete (16' over all) inside 4½" casing from 5044-5060'.

Remarks: On Sept. 27, 1934, the well pumped 20 Bbls. oil and 491 Bbls. water. On Sept. 29, 1934, ran Oilfields Service Co. (Elliott) water witch. Water reported entering at 4985 and below. Hole open to 5020' at time of run. Well has been standing idle since Sept. 29, 1934. (Confirming conversation Collins-Walling)

The proposed work is as follows:

1) Clean out to 5044' (top of perforation washer) if possible.
2) Reperforate 4½" oil string from about 5035 to 4975'.
3) Swab perforations from 5035 to 4975; bail hole clean and dump cement plug 5044 to 4975' running water in hole while dumping cement to apply pressure. Your Dept. to witness location & hardness of this plug. It is understood that plug at 4975' will constitute permanent abandonment of lower portion of hole.
4) Make production test. If production is unsatisfactory, a supplementary proposal covering further work will be forwarded.

Respectfully yours

STANDARD OIL CO. OF CALIFORNIA
Name of Company or Operator

By L. B. LITTLE, GENERAL SUPERINTENDENT

Address Notice to Deputy State Oil and Gas Supervisor in Charge of District Where Well is Located
WELL COMPLETION REPORT

FIELD
SEAL BEACH

PROPERTY
SAN GABRIEL

WELL NO.
17

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
Jan. 31, 1929

COMMENCED WORK
August 11, 1934

COMPLETED WORK
June 26, 1935

TOTAL DEPTH
5137' 

REDRILLED FROM

TO

DEEPENED FROM

TO

PLUGGED FROM

TO

CABLE TOOLS: FROM

FISH OUT TUBING, LOCATE AND EXCLUDE WATER.

PRODUCTION

25

DAY AVERAGE PRIOR OR LAST AVAILABLE
Mar. 1934

9

BBZ. OIL

325

BBZ. WATER

GRAVITY

24.6

°A, P. I.

10

DAY AVERAGE AFTER
July 14, 1935

29

BBZ. OIL

184

BBZ. WATER

GRAVITY

24.7

°A, P. I.

CASING RECORD AFTER REDRILLING, DEEPENING OR ABANDONING

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>LENGTH OF CASING</th>
<th>DEPTH LANDED</th>
<th>CEMENTED (Depth of thru perf)</th>
<th>WEIGHT PER FOOT</th>
<th>THREADS PER INCH</th>
<th>MAKE OF CASING</th>
<th>SEAMLESS OR LAP WELDED</th>
<th>MAKE OF SHOE</th>
</tr>
</thead>
<tbody>
<tr>
<td>28&quot;</td>
<td>59</td>
<td>Yes</td>
<td></td>
<td>-</td>
<td>-</td>
<td>American</td>
<td>Stovepipe</td>
<td>Plain</td>
</tr>
<tr>
<td>18&quot;</td>
<td>505</td>
<td></td>
<td></td>
<td>-</td>
<td>8</td>
<td>Hercules</td>
<td>National</td>
<td>Seamless</td>
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<tr>
<td>11-3/4&quot;</td>
<td>4628</td>
<td></td>
<td></td>
<td>60#</td>
<td>8</td>
<td>National</td>
<td>Seamless</td>
<td>&quot;</td>
</tr>
<tr>
<td>9&quot;</td>
<td>4818</td>
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<td>45#</td>
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<td>National</td>
<td>Seamless</td>
<td>&quot;</td>
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<tr>
<td>6-5/8&quot;</td>
<td>4948</td>
<td></td>
<td></td>
<td>28#</td>
<td>10</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
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<tr>
<td>4-3/4&quot;</td>
<td>200</td>
<td>No</td>
<td></td>
<td>16#</td>
<td>10</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

CEMENTING OR OTHER SHUT OFF RECORD

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>DEPTH LANDED</th>
<th>DEPTH CEMENTED</th>
<th>NO. SACKS USED</th>
<th>NO. SACKS TREATED</th>
<th>KIND OF CEMENT</th>
<th>METHOD</th>
<th>TIME SET DAYS</th>
<th>RESULT OF TEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot;</td>
<td>505</td>
<td>505</td>
<td>200</td>
<td>100</td>
<td>Santa Cruz Perkins</td>
<td>2</td>
<td>Not tested</td>
<td></td>
</tr>
<tr>
<td>11-3/4&quot;</td>
<td>4638</td>
<td>4638</td>
<td>500</td>
<td>100</td>
<td>Golden Gate</td>
<td>6</td>
<td>Water not shut off</td>
<td></td>
</tr>
<tr>
<td>9&quot;</td>
<td>4818</td>
<td>4818</td>
<td>50</td>
<td>50</td>
<td>Perkins(tbg)5</td>
<td>5</td>
<td>Water shut-off</td>
<td></td>
</tr>
<tr>
<td>6-5/8&quot;</td>
<td>4945</td>
<td>4945</td>
<td>20</td>
<td>20</td>
<td>Golden Gate Perkins 11</td>
<td>8</td>
<td>Water not shut off</td>
<td></td>
</tr>
</tbody>
</table>

PERFORATION RECORD

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>FROM</th>
<th>TO</th>
<th>SIZE OF HOLES OR SLOTS</th>
<th>NUMBER OF ROWS</th>
<th>SPACING (INCHES)</th>
<th>HOW PERFORATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-3/4&quot;</td>
<td>4949</td>
<td>5088</td>
<td>1 1/4 x 130 Mesh 8</td>
<td>6</td>
<td>6</td>
<td>Kobe</td>
</tr>
<tr>
<td>4-3/4&quot;</td>
<td>4975</td>
<td>5035</td>
<td>5/8 x 2&quot;</td>
<td>2</td>
<td>20</td>
<td>Baash-Ross long knife</td>
</tr>
</tbody>
</table>

PLUG: Yes
KIND: Cement
LENGTH: 66'
TOP AT: 4974'
SET AT: 4974'

SIDETRACKED PIPE AND LOST TOOL RECORD

4-3/4" McGregor-Strang (Perking) perforation washer complete, 16' overall, inside 4-3/4" casing from 5044-5060'.

DATE
Sept. 11, 1935

DRILLERS NAMES ON LAST SHEET

BY
L. E. KITTLE, Gen'l. Supt.
HISTORY

Subsequent to completion in the Upper Wassem Zone in December, 1928, well averaged on gas lift 763 bbls. oil and 40 bbls. water, 24.7° gr. during first thirty days. The well continued to produce with a gradual decline of oil and a gradual increase of water until in March, 1934 averaged 9 bbls. of oil and 325 bbls. of water for 23 days.

On May 5, 1934 received authority to make production test and run water-witch.

May 7 to 15, 1934 inclusive, well gang bailed out sand, mud and shale from 5002-5081', with 2-3/8" O.D. bailers.

May 17, 1934, ran 4-3/4" MacGregor-Strang perforation washer on 21/2" tubing to 5077' where same stopped. Washed perforations in 4-3/4" liner from 5070-5055'; washer stuck at 5055' and 21/2" tubing parted at 420'.

May 18 to June 3, 1934, well gang fished out and recovered 21/2" tubing to 4969', leaving in hole 86' of 21/2" tubing, including 16' of 4-3/4" MacGregor-Strang (Perkins)perforation washer inside 4-3/4" perforated casing from 4969' to 5054'.

PROPOSAL

(No notice sent to Division of Oil and Gas)

(1) Fish out balance of tubing and perforation washer.

(2) Wash perforations, condition hole and run water-witch.

(3) A supplementary proposal for remedial work or abandonment to be submitted after running water-witch.

WORK DONE

August 11, 1934, moved in rotary crew, rigged up and ran 2-3/8" bailer which stopped at 4969' (top of 21/2" tubing).

Starting August 13, 1934, ran Bowen releasing spear with Bowen jars above on 2-7/8" left-hand drill pipe, jarred tubing up to 4940' and recovered 66' of 21/2" tubing and 1' of 21/2" x 2" swedge nipple, thus recovering all 21/2" tubing and leaving 16-foot MacGregor-Strang (Perkins) perforation washer in hole.
August 21st, ran 6' of 3" washpipe on bottom of 2-7/8" left-hand drill pipe and washed down with oil from 5005-5031', without circulation. Unable to wash down below 5031'. Hole took lots of oil.

Ran slip socket on 2-7/8" left-hand drill pipe and shoved fish down hole 5031-5044', leaving in hole a 4-3/4" McGregor-Strang (Perkins) perforation washer complete, 16' overall, inside 4-3/4" casing from 5044-5060'.

Ran Layne & Wells electro-magnet which stopped and would not go below 4960'.

Ran 2-3/8" x 60' Cavins bailer to 5027' and bailed out sand 5027-5033'. Bailer stuck some at 5033'.

August 23 and 24, 1934, washed perforations in 4-3/4" liner 5041-4943' with McGregor-Strang perforation washer.

August 26, 1934, tubed to 4854' with 2½" x 9' liner pump at 4645' and 209' of 2" open anchor below.

Note: Used 730 bbls. of recoverable circulating oil while washing perforations and fishing for perforation washer.

The well pumped intermittently for 23 days and recovered a total of 605 bbls. of circulating oil. September 27, 1934 made 20 bbls. of oil and 491 bbls. water, gravity 25.1°, cut 0.6%.

September 28 and 29, 1934, conditioned well and ran Oilfields Service Company (Elliott) water-witch. Water reported entering 4965' and below. Hole open to 5020' at time of run.

Well stood idle September 30, 1934 until following work was done:

**PROPOSAL – DATED MAY 14, 1935**

1. Clean out to 5044' (top of perforation washer), if possible.
2. Reperforate 4-3/4" oil string from about 5035-4975'.
(3) Swab perforations from 5035-4975'; bail hole clean and dump cement plug 5044-4975', running water in hole while dumping cement to apply pressure. Division of Oil and Gas to witness this plug, which will constitute permanent abandonment of lower portion of hole.

(4) Make production test. If production is unsatisfactory, a supplementary proposal covering further work will be forwarded.

**WORK DONE**


May 30 to June 3, 1935, ran 2-3/8" x 36' chisel and dart bailers and 2" x 56' Cavins bailer, and bailed out sand 5010-5042'.

June 4th and 5th, ran Baasch-Ross long knife perforator and reperforated 4-3/4" liner 5035-4975' with 2 rows 5/8" x 2" holes, 20" centers. Bailed out sand 5000-5042' with 2-3/8' Cavins bailer. After perforating, got out lots of sand.

June 6th to 9th inclusive, swabbed oil and water to surface with Tyler upswab from 2000' and bailed out sand and mud 5000-5040' with 2-3/8' Cavins bailer, getting out lots of sand. Bailed hole clean to 5040'.

June 9th to 11th, 1935, dumped in total of 24 sacks Santa Cruz Oilwell cement, all treated with calcium chloride, in 14 stages starting at 5040', filled to 4974'. Ran water in hole while dumping cement to apply pressure.

Location and hardness of cement plug at 4974' witnessed and approved by Inspector G. Peirce of Division of Oil and Gas.

June 19th and 20th, ran Tyler upswab and swabbed water to surface from 1550-2400' when hole started showing some oil. Continued swabbing water and oil to surface from 2400-3000'. About 8' to 12' of sand entered each run of swab. Bailed hole clean to 4974' (top of cement plug).

Well gang ran 2½" tubing to 4467', with 2½" x 9' liner pump at 4444' and 23' of 2½" open anchor below. Put well on beam June 26, 1935.
**WE~ COMPLETION REPORT**

**LOG AND HISTORY**

**WELL NO. 17**

**PROPERTY** SAN GABRIEL

**STANDARD OIL COMPANY OF CALIFORNIA**

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

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
<th>FORMATION DRILLED AND CORED</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Well produced as follows:

June 26, 1935 - 5 hrs. pmpg. 5 bbls. oil and 78 bbls. water, gr. 20.4°, cut 4.4% - 5-hr. gauge

" 27, " - 24 hrs. pmpg. 42 bbls. oil and 248 bbls. water, gr. 26.3°, cut 1.4% - 20-hr. gauge

" 28, " - 5 hrs. pmpg. 3 bbls. oil and 23 bbls. water, 5-hr. gauge

Off 19 hrs., well sanded up.

July 1st to 6th inclusive, well gang bailed out sand 4884-4972' with 2-3/8" x 60' Cavins bailer. Top of oil at 1505', top of water not reported.

July 7, 1935, well gang put well back on beam with 2 7/8" tubing at 4453', 2 7/8" x 18' Fluid Packed pump at 4430' and 23' of 2 7/8" open anchor below.

**PRODUCTION RECORD**

<table>
<thead>
<tr>
<th>1935 Date</th>
<th>Bbls. Oil</th>
<th>Bbls. Water</th>
<th>°API</th>
<th>% Hrs. on</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 9</td>
<td>14</td>
<td>231</td>
<td>20.8</td>
<td>28.0</td>
</tr>
<tr>
<td>&quot; 10</td>
<td>29</td>
<td>219</td>
<td>26.4</td>
<td>3.0</td>
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<td>&quot; 12</td>
<td>24</td>
<td>140</td>
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<td>4.0</td>
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<td>&quot; 17</td>
<td>28</td>
<td>180</td>
<td>26.1</td>
<td>1.2</td>
</tr>
<tr>
<td>&quot; 19</td>
<td>25</td>
<td>154</td>
<td>26.2</td>
<td>1.6</td>
</tr>
<tr>
<td>&quot; 24</td>
<td>25</td>
<td>185</td>
<td>24.4</td>
<td>9.6</td>
</tr>
</tbody>
</table>

Well standing curtailed since July 26, 1935.

Production by Months (Pro. 20 figure)

July, 1935, av. 29 bbls. oil and 184 bbls. water for 10 days, pump at 4430'.
### WELL NO. 17

**PROPERTY**: SAN GABRIEL  
**STANDARD OIL COMPANY OF CALIFORNIA**  

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

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
<th>FORMATION DRILLED AND CORED</th>
</tr>
</thead>
<tbody>
<tr>
<td>5137'</td>
<td>5040'</td>
<td>97'</td>
<td><strong>SUMMARY</strong></td>
</tr>
</tbody>
</table>

#### Total Depth: 5137'

#### Plugs: 4974-5040', cement.

#### Casing Record:
- 28" stovepipe cemented 59' - not tested
- 18" 505' - empty
- 11-3/4" 4638' - water shut-off
- 9" 4818' - empty
- 6-5/8" 4945' - deferred decision
- 200' - 4-3/4" landed 5088', perforated 4949-5088', reperforated 4975-5035', plugged with cement 4974-5040'.

#### Junk Material in Hole: 4-3/4" McGregor-Strang (Perkins) perforation washer complete, 16' overall, inside 4-3/4" casing from 5044-5060'.

#### Drillers:
- H. Cariker
- W. Edkins
- E. R. Lepper
- E. Smith
- J. K. Lehman
- J. C. Dailey
- C. C. Smith
- H. B. Countess
- F. Switzer
- J. H. Shore
- W. E. Brandt
- J. F. McAleese
- L. J. Bauer
- J. O. Gallagher

#### September 11, 1935.

#### JHR: CN

---

R. D. Copley.
WELL COMPLETION REPORT

FIELD
SEAL BEACH

PROPERTY
SAN GABRIEL

WELL NO.
17

SEC.
11

T.
5 S

R.
12 W

B & M

COMPLETED WORK
March 2, 1945

March 16, 1945

TOTAL DEPTH
5137'

Sept. 11, 1935

REDRILLED FROM
TO

DEEPENED FROM
TO

PLUGGED FROM
TO

CABLE TOOLS: FROM
TO

FEET

FEET

PRODUCTION

PREVIOUS RECORD DATED
May 20, 1937

50 DAY AVERAGE PRIOR TO LAST AVAILABLE

50 DAY AVERAGE AFTER

SHUT IN.

CASING RECORD AFTER REDRILLING, DEEPENING, OR ABANDONING

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>LENGTH OF CASING</th>
<th>DEPTH LANDED</th>
<th>CEMENTED</th>
<th>WEIGHT PER FOOT</th>
<th>THREADS PER INCH</th>
<th>MAKE OF CASING</th>
<th>SEAMLESS OR LAPPED WELDED</th>
<th>MAKE OF SHOE</th>
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<tr>
<td>26&quot;</td>
<td>59</td>
<td>59</td>
<td>Yes</td>
<td></td>
<td></td>
<td>American</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18&quot;</td>
<td>200</td>
<td>200</td>
<td>No</td>
<td></td>
<td></td>
<td>Stovepipe</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 1/2&quot;</td>
<td>1,456</td>
<td>1,456</td>
<td>Yes</td>
<td></td>
<td></td>
<td>Hercules</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9&quot;</td>
<td>898</td>
<td>898</td>
<td>Yes</td>
<td></td>
<td></td>
<td>National</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6-5/8&quot;</td>
<td>1,295</td>
<td>1,295</td>
<td>No</td>
<td></td>
<td></td>
<td>Seamless</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-3/4&quot;</td>
<td>200</td>
<td>200</td>
<td>No</td>
<td></td>
<td></td>
<td>Plain</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Cementing or Other Shut Off Record

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>DEPTH LANDED</th>
<th>DEPTH CEMENTED</th>
<th>NO. SACKS USED</th>
<th>NO. SACKS TREATED</th>
<th>KIND OF CEMENT</th>
<th>METHOD</th>
<th>TIME SET DAYS</th>
<th>RESULT OF TEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td>505</td>
<td>505</td>
<td>200</td>
<td>100</td>
<td>Sta Cus</td>
<td>Perkins</td>
<td>2</td>
<td>Not tested</td>
</tr>
<tr>
<td>11 1/2&quot;</td>
<td>1,456</td>
<td>1,456</td>
<td>500</td>
<td>100</td>
<td>Gold Cate</td>
<td>W. H. S. P</td>
<td>6</td>
<td>W. H. S. P</td>
</tr>
<tr>
<td>9&quot;</td>
<td>898</td>
<td>898</td>
<td>50</td>
<td>50</td>
<td></td>
<td>Perkins</td>
<td>8</td>
<td>W. H. S. P</td>
</tr>
</tbody>
</table>

Perforation Record

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>FROM</th>
<th>TO</th>
<th>SIZE OF HOLE OR SLOTS</th>
<th>NUMBER OF ROWS</th>
<th>SPACING (INCHES)</th>
<th>HOW PERFORATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-3/4&quot;</td>
<td>1,295</td>
<td>1,295</td>
<td>1/2&quot; x 3/4&quot;</td>
<td>8</td>
<td>6</td>
<td>Knife</td>
</tr>
<tr>
<td>4-3/4&quot;</td>
<td>1,295</td>
<td>1,295</td>
<td>5/8&quot; x 22&quot;</td>
<td>2</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

Plug:
Yes
Kind:
Cement
Length:
60'
Top At:
1,297'
Set At:

Sidetracked Pipe and Lost Tool Record

1/2" McGregor-Strong (Perkins) perforation washer complete, 16" overall, inside 1/2" casing from 5,240 to 5,240.

Drillers Names on Last Sheet

Date
April 16, 1945

By
J. S. O'Keefe

Standard Oil Company of California

PRO-18-2

Page 1 of 2
Report on Test of Water Shut-off  
(PRODUCTION)  

No. T. -1-16391  

Los Angeles  
Cal. Jan. 9  

192 9  

Mr. L. E. Little  

Whittier  
Cal.  

Agent for STANDARD OIL COMPANY OF CALIFORNIA  

Dear Sir:  

Your well No. "SAN GABRIEL" 17 Section 11  
T. 5 S, R. 12 W, S.E. B. & M.,  
Seal Beach  
Oil Field, in Los Angeles County,  
was subjected to production test for water shut-off, between  
Time and date  
192 9, and  
192  
Mr. W. A. Clark  

Jan. 3  
192 9, as prescribed in Section 19, Chapter 718, Statutes 1915, as amended, and there were  
also present E. Bardley, Engineer  

Location of the water tested between 4818'-4945'  

Depth and manner of water shut-off on Nov. 30, 1928, the 6-5/8" A.P.I. 26# casing was cemented at  
4945 in shale with 20 sacks of Golden Gate cement by thru casing method.  

Casing record of well 18" S.P. cem. 504' 11 1/4" cem. 4634', W.S.O; 19" cem. 4818', W.S.O; 6-5/8"  
as above. 200' of 2 1/4" liner hung at 5083'; 2 1/4" tubing hung at 4846'.  

Perforation record 2 1/4" liner perf. 4957-5083'.  

Reported total depth: drilled 5137 feet; depth at time of test 5137 feet; pump depth  

During this production test the well produced at the rate of 836  

2.6 % was water and 5.4 % emulsion.  

Method and result of production test:  

MR. BARDLEY REPORTED THE FOLLOWING:  
1. No fluid entered the well when bailed to 3000' and allowed to stand 4 hr. for casing test.  
2. 34' of set cement was drilled out of the 6-5/8" casing, equivalent to 5 sacks.  
3. On Dec. 14, 1928, the well was swabbed in at 1:05 a.m. flowing at a gauged rate of 1022  
bbl. per day, testing 27.20 A.P.I. gravity and cutting 0.4% emulsion. T.D. 4972'; 27' of  
open hole.  
4. On Dec. 15, 1928, the well sanded up.  
5. The well was deepened and a 2 1/4" liner hung as above.  
6. On Dec. 28, 1928, at 2 a.m. the well was swabbed in on the gas lift and flowed at the  
gauged rate of 255 bbl. of fluid per day testing 18.90 A.P.I. gravity and cutting 30.5%  
emulsion and 4.7% water. Tubing pressure - 15#-160# and casing 900#. (per day.  
7. At the time of this test the well was flowing thru a 18/32" bean at the rate of 836 bbl. /  

THE INSPECTOR NOTED THE FOLLOWING:  
1. The tubing pressure was 370# and the casing pressure 840#. (and 5.4% emulsion.  
2. A sample taken from the lead line showed a gravity of 24.40 A.P.I. and tested 2.5% water.  
The test indicates that the 6-5/8" shut-off is probably effective but is not conclusive because  
of the high pressure held on the well. A decision is therefore deferred pending the receipt  
of further production data.  

By R. D. BUSH  
State Oil and Gas Supervisor.  

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

Deputy
Special Report on Operations Witnessed

No. T-1-16252

Los Angeles, Cal. December 28, 1928.

Mr. L. E. Little, Whittier, Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

Dear Sir:

Operations at your well No. "SAN GABRIEL" 17 Section 11, T. 5 S., R. 12 W., S.B.B. & M.

Seal Beach Oil Field, in Los Angeles County, were witnessed by Eugene L. Davis, Pet. Engr., The Texas Company, representative of the supervisor, on November 29, 1928. There were also present W. W. Thompson, Supt. and W. A. Bardley, Engineer.

Casing Record 18 1/2" S.P. com. 505'; 11 1/2" com. 463'; W.S.O., 9" com. 4818', W.S.O.

The operations were performed for the purpose of demonstrating that the formations between 4818' and 4972' were mudded until the loss was not more than 1.0 bbl. per hr.

and the data and conclusions are as follows:

MR. THOMPSON REPORTED THE FOLLOWING:
1. An 81/2" rotary hole was drilled from 4818' to 4972'.
2. Mud fluid was circulated for 4 hr. prior to the test.
3. The initial rate of loss was 0 bbl. per hr.
4. The final rate of loss was 1 bbl. per hr.
5. The drill pipe was hanging at 4962' during the test.

MR. DAVIS NOTED THE FOLLOWING:
During a circulation test from 9:50 a.m. to 10:20 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.

* This work was not witnessed by a member of this department for the reason that no inspector was available, but was witnessed as noted above and the above information was furnished by Mr. Thompson of Standard Oil Company of California.

Note: This report has been delayed pending receipt of the data filed Dec. 21, 1928.

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

CLE-MC

R. D. BUSH
State Oil and Gas Supervisor

By August 1928 Deputy
COMPLETION REPORT—NEW WELL—PRO. 18-1

FIELD
Seabrook       Standard Oil Company of California

PROPERTY
San Gabriel

WELL NO.       SEC.       T.        R.        B & M
17              11.5-3.12-W S

LOCATION
1494.4’ south and 857.6’ east of northwest corner
Section 11, T. 5-3., R. 12-W.

ELEV. 10.23 U.S.G.S

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

COMMENCED: RIGGING UP
July 5, 1928

COMMENCED DRILLING
July 10, 1928

COMPLETED: RIGGING UP
July 10, 1928

COMPLETED DRILLING
Dec. 29, 1928

DEPTH
5137 feet

GAS PRODUCTION (DAILY AVERAGE 1ST 30 DAYS)
PLUGGED TO
Gas lift

GAS PRODUCTION (DAILY AVERAGE 1ST 30 DAYS)
FLÖTING
Flowing

DATE OF INITIAL PRODUCTION
Dec. 29, 1928

M. CU. FEET
780'

FLOW NIPPLE
20/32"

GAL. GASOLINE PER M. CUBIC FEET
40

Casinghead Press.
330 to 1500'

Casing Record

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>LENGTH OF CASING</th>
<th>DEPTH LANDED</th>
<th>CEMENTED (DEPTH/UNIT/PER)</th>
<th>WEIGHT PER FOOT</th>
<th>THREADS PER INCH</th>
<th>MAKE OF Casing</th>
<th>SEAMLESS OR LAPWELDED</th>
<th>MAKE OF SHOE</th>
</tr>
</thead>
<tbody>
<tr>
<td>25&quot;</td>
<td>59</td>
<td>59</td>
<td>Yes</td>
<td></td>
<td>60</td>
<td>American</td>
<td>&quot;</td>
<td>Stovepipe Plain</td>
</tr>
<tr>
<td>18&quot;</td>
<td>505</td>
<td>505</td>
<td>&quot;</td>
<td></td>
<td>45</td>
<td>Hercules</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>11¼”</td>
<td>4638</td>
<td>4638</td>
<td>&quot;</td>
<td></td>
<td>25</td>
<td>N.T. Co.</td>
<td>Seamless</td>
<td>&quot;</td>
</tr>
<tr>
<td>9”</td>
<td>4818</td>
<td>4818</td>
<td>&quot;</td>
<td></td>
<td>16</td>
<td>N.T. Co.</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>6¼”</td>
<td>4945</td>
<td>4945</td>
<td>No</td>
<td></td>
<td>16</td>
<td>N.T. Co.</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>4¼”</td>
<td>200</td>
<td>5068</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>

CEMENTING OR OTHER SHUT OFF RECORD

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>DEPTH LANDED</th>
<th>DEPTH CEMENTED</th>
<th>NO. SACKS USED</th>
<th>NO. SACKS TREATED</th>
<th>KIND OF CEMENT</th>
<th>METHOD</th>
<th>TIME SET DAYS</th>
<th>RESULT OF TEST</th>
</tr>
</thead>
<tbody>
<tr>
<td>18”</td>
<td>505</td>
<td>505</td>
<td>200</td>
<td>100</td>
<td>S.C.O.W.</td>
<td>Perkins</td>
<td>2</td>
<td>Not tested</td>
</tr>
<tr>
<td>11¼”</td>
<td>4638</td>
<td>4638</td>
<td>500</td>
<td>100</td>
<td>Gold Gate</td>
<td>&quot;</td>
<td>6</td>
<td>Water not shut-off</td>
</tr>
<tr>
<td>9”</td>
<td>4818</td>
<td>4818</td>
<td>125</td>
<td>125</td>
<td>Tubing</td>
<td>&quot;</td>
<td>5</td>
<td>Water shut-off</td>
</tr>
<tr>
<td>6¼”</td>
<td>4945</td>
<td>4945</td>
<td>45</td>
<td>45</td>
<td>Tubing</td>
<td>&quot;</td>
<td>5</td>
<td>Water not shut-off</td>
</tr>
</tbody>
</table>

PERFORATION RECORD

<table>
<thead>
<tr>
<th>SIZE OF CASING</th>
<th>FROM</th>
<th>TO</th>
<th>SIZE OF HOLES OR SLOTS</th>
<th>NUMBER OF ROWS</th>
<th>INCHES</th>
<th>HOW PERFORATED</th>
<th>HOW PERFORATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>4¼”</td>
<td>4949</td>
<td>5068</td>
<td>1¼&quot;. 130 mesh</td>
<td>8</td>
<td>6</td>
<td>Kobe</td>
<td></td>
</tr>
</tbody>
</table>

PLUG: KIND -

ADAPTER: KIND -

ROTARY TOOLS: FROM 0 TO 5137 FEET

CABLE TOOLS: FROM TO 5137 FEET

SIDETRACKED PIPE AND LOST TOOL RECORD

None

DRILLERS NAMES ON LAST SHEET

DATE January 31, 1929.

STANDARD OIL COMPANY OF CALIF.
**WELL COMPLETION REPORT-LOG—PRO. 16-3**

**WELL NO. 17**  
**PROPERTY** San Gabriel Standard Oil Co.  
**COMPANY** Calif.

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

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
<th>FORMATION DRILLED AND CORED</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>60</td>
<td>60</td>
<td>Surface sand</td>
</tr>
<tr>
<td>60</td>
<td>140</td>
<td>80</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>140</td>
<td>170</td>
<td>30</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>170</td>
<td>200</td>
<td>30</td>
<td>Sticky shale</td>
</tr>
<tr>
<td>200</td>
<td>280</td>
<td>80</td>
<td>Hard sand</td>
</tr>
<tr>
<td>280</td>
<td>475</td>
<td>195</td>
<td>Gravel streaks shale</td>
</tr>
<tr>
<td>475</td>
<td>512</td>
<td>37</td>
<td>Sandy shale streaks sand</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td><strong>Landed and cemented 28&quot; American Stovepipe at 59' with 110 sacks of Santa Cruz cement.</strong></td>
</tr>
<tr>
<td>512</td>
<td>1100</td>
<td>588</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>1100</td>
<td>1335</td>
<td>235</td>
<td>Sandy shale streaks sand</td>
</tr>
<tr>
<td>1335</td>
<td>1590</td>
<td>255</td>
<td>Sandy shale streaks hard sand</td>
</tr>
<tr>
<td>1590</td>
<td>1660</td>
<td>70</td>
<td>Hard sand streaks sandy shale</td>
</tr>
<tr>
<td>1660</td>
<td>1825</td>
<td>165</td>
<td>Sandy shale streaks hard sand</td>
</tr>
<tr>
<td>1825</td>
<td>1945</td>
<td>120</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>1945</td>
<td>1975</td>
<td>30</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>1975</td>
<td>2110</td>
<td>135</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>2110</td>
<td>2500</td>
<td>190</td>
<td>Sandy shale streaks sand</td>
</tr>
<tr>
<td>2300</td>
<td>2550</td>
<td>250</td>
<td>Sticky shale streaks hard sand</td>
</tr>
<tr>
<td>2550</td>
<td>2585</td>
<td>35</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>2585</td>
<td>2659</td>
<td>74</td>
<td>Sandy shale streaks hard sand</td>
</tr>
<tr>
<td>2659</td>
<td>2700</td>
<td>41</td>
<td>Sticky shale streaks shales</td>
</tr>
<tr>
<td>2700</td>
<td>2780</td>
<td>80</td>
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</tr>
<tr>
<td>2780</td>
<td>3080</td>
<td>300</td>
<td>Hard sandy shale streaks sand</td>
</tr>
<tr>
<td>3080</td>
<td>3160</td>
<td>80</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>3160</td>
<td>3240</td>
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<td>Sticky shale</td>
</tr>
<tr>
<td>3240</td>
<td>3500</td>
<td>60</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>3300</td>
<td>3420</td>
<td>120</td>
<td>Sticky shale</td>
</tr>
<tr>
<td>3420</td>
<td>3555</td>
<td>135</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>3555</td>
<td>3570</td>
<td>15</td>
<td>Hard sand</td>
</tr>
<tr>
<td>3570</td>
<td>3660</td>
<td>90</td>
<td>Sticky shale</td>
</tr>
<tr>
<td>3660</td>
<td>3695</td>
<td>35</td>
<td>Hard sand</td>
</tr>
<tr>
<td>3695</td>
<td>3735</td>
<td>40</td>
<td>Sandy shale streaks hard sand</td>
</tr>
<tr>
<td>3735</td>
<td>3765</td>
<td>30</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>3765</td>
<td>3793</td>
<td>28</td>
<td>Sticky shale</td>
</tr>
<tr>
<td>3793</td>
<td>3828</td>
<td>45</td>
<td>Sandy shale streaks hard sand</td>
</tr>
<tr>
<td>3828</td>
<td>3843</td>
<td>5</td>
<td>Hard sand</td>
</tr>
<tr>
<td>3843</td>
<td>3890</td>
<td>47</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>3890</td>
<td>3985</td>
<td>95</td>
<td>Sticky shale</td>
</tr>
<tr>
<td>3985</td>
<td>4055</td>
<td>70</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>4055</td>
<td>4075</td>
<td>20</td>
<td>Hard sandy shale streaks hard sand</td>
</tr>
<tr>
<td>4075</td>
<td>4123</td>
<td>48</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>4123</td>
<td>4193</td>
<td>70</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>4193</td>
<td>4274</td>
<td>81</td>
<td>Sticky shale</td>
</tr>
<tr>
<td>4274</td>
<td>4281</td>
<td>7</td>
<td>Hard sandy shale showing OIL and GAS</td>
</tr>
</tbody>
</table>
## WELL COMPLETION REPORT-LOG—PRO. 18-3

### WELL NO. 17

**PROPERTY** San Gabriel Standard Oil Co. of California

**COMPANY**

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

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
<th>FORMATION DRILLED AND CORED</th>
</tr>
</thead>
<tbody>
<tr>
<td>4261</td>
<td>4325</td>
<td>44</td>
<td>Hard sandy shale streaks hard sand</td>
</tr>
<tr>
<td>4325</td>
<td>4398</td>
<td>73</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>4398</td>
<td>4443</td>
<td>55</td>
<td>Sandy shale streaks hard sand</td>
</tr>
<tr>
<td>4443</td>
<td>4452</td>
<td>10</td>
<td>Sticky shale</td>
</tr>
<tr>
<td>4452</td>
<td>4462</td>
<td>10</td>
<td>Hard sand</td>
</tr>
<tr>
<td>4462</td>
<td>4500</td>
<td>37</td>
<td>Hard sand showing OIL and GAS from 4463 to 4475'</td>
</tr>
<tr>
<td>4500</td>
<td>4587</td>
<td>87</td>
<td>Hard sand</td>
</tr>
<tr>
<td>4587</td>
<td>4590</td>
<td>3</td>
<td>Brown shale streaks hard sand</td>
</tr>
<tr>
<td>4590</td>
<td>4600</td>
<td>10</td>
<td>Hard gray sand (Core 4590-4594 Rec. 2')</td>
</tr>
<tr>
<td>4600</td>
<td>4615</td>
<td>15</td>
<td>Hard sand streaks sticky shale</td>
</tr>
<tr>
<td>4615</td>
<td>4625</td>
<td>10</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>4625</td>
<td>4638</td>
<td>13</td>
<td>Hard sandy shale (Core 4625-4639 rec. 14')</td>
</tr>
<tr>
<td>4638</td>
<td>4654</td>
<td>16</td>
<td>Sandy shale thin streaks OIL SAND (Core 4639-54 rec.1)</td>
</tr>
</tbody>
</table>

Resumed hole 16 3/4" Wiggins reamer 505 to 4654'.

---

Aug. 16, 1928 landed and cemented 11 1/2" casing at 4638' under 600# pressure. Stood cemented 6 days. Bailed to 1800' for casing test. Stood 4 hours, no rise in fluid. Located top of cement at 4576'.

Drilled out cement 4576 to 4638' and cleaned out 4638 to 4654'. Put in 2 5/8" tubing to 4470'. Unable to swab fluid below 500'. Water salty.

---

Aug. 24, 1928 recemented 11 1/2" casing through tubing hung at 4550' with 125 sacks cement, all treated. Estimated 24 sacks pumped away under 1100# pressure. Perkins pumps. Stood cemented 5 days. Bailed fluid to 1800', stood 4 hours, no rise in fluid. Located top of hard cement at 4496'.

Drilled out cement 4496 to 4638'. Cleaned out 4638 to 4654'. Bailed fluid to 1800', stood 12 hours, inspected by State Mining Bureau Rep. Richards who found a rise of 15'. Sample from bottom showed no evidence of salt water. Water shut-off approved.

---

Drilled out cement 4647 to 4654'. Bailed to 2010' to test formations. Stood 6 hours, showed a rise of 5'.

---

4654 | 4660 | 6   | Hard dark sandy shale (Core 4654-4660' rec. 6') |

---

Sept. 3, 1928 landed oil string at 4660' consisting of 4613' 9" blank with 47' of 6 5/8" liner packed off to 9". Well pumped dry, no evidence of salt water. Pulled out and recovered 9" and 6 5/8" liner.

---

4660 | 4662 | 2   | Hard sand |
4662 | 4676 | 14  | Hard dark sandy shale (Core 4662-4680 rec. 15') |
4676 | 4680 | 4   | Coarse OIL SAND |

---

Sept. 12, 1928 landed oil string at 4680' consisting of 4613' 9" blank and 67' of 6 5/8" liner packed off to 9" casing.

---

Put well on pump Sept. 14, 1928. Pumped salty water to sump with some of oil. Swabbed fluid to 3200', stood 1 hour, fluid rose 600', salty water showing oil and gas.
**PROPOSAL**

1. Recover 6½" liner.

2. Deepen to Lower Selover zone and cement 9" 45½' casing at about 4800'.

3. Complete well at about 4840' and land 6½" oil string.

4. State Mining Bureau to be notified to witness mud circulation test prior to landing the 9" casing and to witness a test of water shut off on the same. The point for effecting a shut-off and completion depth to be determined by coring.

**WORK DONE**

Pulled out and recovered 9" and 6½" liner. Cored ahead as follows:

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
<th>FORMATION DRILLED AND CORED</th>
</tr>
</thead>
<tbody>
<tr>
<td>4680</td>
<td>4700</td>
<td>20</td>
<td>OIL SAND (Core 4690-4702 rec. 9')</td>
</tr>
<tr>
<td>4700</td>
<td>4702</td>
<td>2</td>
<td>Sandy brown shale thin streaks OIL SAND</td>
</tr>
<tr>
<td>4702</td>
<td>4706</td>
<td>4</td>
<td>OIL SAND (Core 4702-4720 rec. 12')</td>
</tr>
<tr>
<td>4706</td>
<td>4708</td>
<td>2</td>
<td>Sandy brown shale</td>
</tr>
<tr>
<td>4708</td>
<td>4736</td>
<td>28</td>
<td>OIL SAND (Core 4720-4736 rec. 4')</td>
</tr>
<tr>
<td>4736</td>
<td>4739</td>
<td>3</td>
<td>Gray sand (Core 4736-4751 rec. 3')</td>
</tr>
<tr>
<td>4739</td>
<td>4751</td>
<td>12</td>
<td>Poor coarse OIL SAND</td>
</tr>
<tr>
<td>4751</td>
<td>4793</td>
<td>42</td>
<td>OIL SAND (Core 4751-52 blank, 4752-65 rec. 13, 4765-75 rec. 9', 4775-89 rec. 14', 4789-4806 rec. 14')</td>
</tr>
<tr>
<td>4793</td>
<td>4800</td>
<td>7</td>
<td>Hard sandy brown shale</td>
</tr>
<tr>
<td>4800</td>
<td>4806</td>
<td>5</td>
<td>Sandy brown shale thin streaks OIL SAND</td>
</tr>
<tr>
<td>4806</td>
<td>4816</td>
<td>11</td>
<td>Hard sandy brown shale with inclusions OIL SAND (Core 4806-16 rec. 10')</td>
</tr>
<tr>
<td>4816</td>
<td>4818</td>
<td>2</td>
<td>Sandy brown shale inclusions OIL SAND (Core 4816-26 rec. 10')</td>
</tr>
<tr>
<td>4818</td>
<td>4839</td>
<td>21</td>
<td>OIL SAND (Core 4826-39 rec. 12')</td>
</tr>
</tbody>
</table>

Reamed hole with 11¼" Smith underreamer from 4638 to 4839'. Circulated mud through drill pipe hanging at 4837' for 13 hours at the end of which time there was no loss. Witnessed by State Mining Bureau Rep. Richards.

Oct. 14, 1928 landed and cemented 4818' of 9" 45½' casing under 300# pressure. Stood cemented 8 days. Ran acid bottle survey with bottles at the following depths, 4772, 4684, 4598, 4464 and 4283'. The bottles showed the hole to be straight at these depths. Bailed fluid to 2500' to test casing, stood 4 hours, no rise in fluid. Located top of set cement at 4783'. Drilled out cement 4785 to 4818'. Cleaned out 4818 to 4839'. Swabbed fluid to 2400', salt water coming in hole.
WELL COMPLETION REPORT—18-4
LOG AND HISTORY

WELL NO. 17
PROPERTY San Gabriel Standard Oil Co. of Calif.

Oct. 25, 1928 recemented 9" casing through tubing hung at 4800', with 45 sacks cement all treated. Estimated 24 sacks forced into formations under 1350# pressure. Stood cemented 5 days. Bailed fluid to 2000' for casing test, stood 4 hours, no rise in fluid. Located top of set cement at 4797'. Drilled out cement 4797 to 4818'. Cleaned out 4818 to 4839'. Swabbed fluid to 2200', stood 1/2 hours, fluid rose 200'. Water salty.

Nov. 2, 1928 recemented 9" casing through tubing hung at 4800' with 55 sacks cement all treated. Estimated 40 sacks forced into formations under 1400# pressure. Stood cemented 6 days. Bailed to 2000' to test casing, stood 4 hours, no rise in fluid. Located set cement at 4808'. Drilled out cement 4805 to 4818'. Cleaned out 4818 to 4839'. Bailed to test shut-off, unable to bail below 2070', stood one hour, fluid rose 80'. Water salty.

Nov. 11, 1928 recemented 9" casing through tubing hung at 4638', with 30 sacks cement all treated. Estimated 9 sacks forced into formations under 1350# pressure. Stood cemented 6 days. Located top of hard cement at 4740'. Drilled out cement 4740 to 4818' and cleaned out 4818 to 4820'. Bailed fluid to 2000' for shut-off test. Stood bailed for 12 hours, inspected by State Mining Bureau Rep. Richards who found no rise in fluid. Water shut-off approved.

Cleaned out 4820 to 4823'. Bailed fluid to 2410' to test formations stood 2 hours, fluid rose 150'. Bailed back to 2480' and let stand 4½ hours. Fluid rose 222'. Water salty.

PROPOSAL

1. Deepen to 5150' and cement 6½" casing at 5150' in Lower Wasem Zone.
2. Deepen to 5350' and land 4½" perforated liner.
3. State Mining Bureau will be notified to witness mud circulation test prior to landing the 6½" casing and for a test of water shut-off on the same. The exact depth for affecting a water shut-off and for completion will be determined by coring.

WORK DONE

Drilled ahead as follows:

4639 4641 2 OIL SAND (Core 4639-4655 rec. 6')
4641 4642 1 Shale
4642 4655 16 OIL SAND (Core 4655-4666 rec. 11')
4655 4659 1 Shale shell
4659 4666 7 OIL SAND

Nov. 23, 1928 put in 4757' 2½" tubing. Unable to swab fluid below 2250'. Water salty, with a slight showing of oil. Water tested 1465 grains salt per gallon.
WELL NO. 17  PROPERTY San Gabriel Standard Oil Co. of Calif.

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

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
<th>FORMATION DRILLED AND CORED</th>
</tr>
</thead>
<tbody>
<tr>
<td>4865</td>
<td>4888</td>
<td>22</td>
<td>OIL SAND few thin streaks shale 3% shale (Core 4865-61 rec. 15', 4881-96 rec. 15')</td>
</tr>
<tr>
<td>4885</td>
<td>4893</td>
<td>5</td>
<td>Hard dark sandy shale thin streaks OIL SAND 5% oil sand</td>
</tr>
<tr>
<td>4892</td>
<td>4896</td>
<td>3</td>
<td>OIL SAND</td>
</tr>
<tr>
<td>4896</td>
<td>4911</td>
<td>15</td>
<td>Hard dark sandy shale partings of gray sand (Core 4896-4911 rec. 15')</td>
</tr>
<tr>
<td>4911</td>
<td>4927</td>
<td>26</td>
<td>Hard sandy brown shale (Core 4911-25 rec. 6', 4926-41 rec. 15')</td>
</tr>
<tr>
<td>4937</td>
<td>4943</td>
<td>6</td>
<td>Dark very sandy shale (Core 4941-52 rec. 11')</td>
</tr>
<tr>
<td>4943</td>
<td>4946</td>
<td>3</td>
<td>Hard sandy brown shale (Core 4952-62 rec. 9')</td>
</tr>
<tr>
<td>4946</td>
<td>4971</td>
<td>25</td>
<td>OIL SAND (Core 4962-72 rec. 3')</td>
</tr>
<tr>
<td>4971</td>
<td>4972</td>
<td>1</td>
<td>Hard sandy brown shale</td>
</tr>
</tbody>
</table>

Reamed hole 8 1/2" Smith underreamer 4890 to 4952'. Circulated mud thru drill pipe hanging at 4962' for 4 hours at the end of which time the loss was at rate of 1 bbl. per hour. Witnessed by E.L. Davis, Petroleum Engr. of Texas Company.

Nov. 30, 1928 landed and cemented 6 1/2" 28# casing at 4945' under 450# pressure. Stood cemented 11 days. Bailed fluid to 3000' for casing test, stood 4 hours, no rise in fluid. Located top of cement at 4918'. Drilled out cement 4911 to 4945' and cleaned out 4945' to 4972'. Put in 2 1/4" tubing to 4910' and swabbed in at 1 A.M. Dec. 14, 1928. Made 1022 bbls. net oil, 4 bbls. water, gravity 27.3, total cut .40.


**PROPOSAL**

1. To core ahead and complete in the Lower Wasem measures at a depth comparable to Harland - Bixby No. 15 providing no unfavorable formations are encountered.

State Mining Bureau to be informed of the progress of the well at frequent intervals before landing further casing and to witness a production test upon completion of the well.

**WORK DONE**

Core ahead as follows:

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
<th>FORMATION DRILLED AND CORED</th>
</tr>
</thead>
<tbody>
<tr>
<td>4972</td>
<td>4984</td>
<td>12</td>
<td>OIL SAND streaks hard brown shale (Core 4972-84 rec. 6')</td>
</tr>
<tr>
<td>4984</td>
<td>5047</td>
<td>63</td>
<td>OIL SAND (Core 4984-96 rec. 12', 4996-5008 rec. 2', 5008-20 rec. 12', 5020-32 rec. 9', 5032-44, rec. 12', 5044-56 rec. 10')</td>
</tr>
<tr>
<td>5047</td>
<td>5055</td>
<td>8</td>
<td>Poorly saturated OIL SAND</td>
</tr>
<tr>
<td>5055</td>
<td>5066</td>
<td>11</td>
<td>Shale partings of OIL SAND (Core 5055-66 rec. 5')</td>
</tr>
<tr>
<td>5066</td>
<td>5072</td>
<td>6</td>
<td>Dark brown shale (Core 5066-76 rec. 9')</td>
</tr>
</tbody>
</table>
**WELL NO. 17  SAN GABRIEL STANDARD OIL CO., OF CALIF.**

**PROPERTY:**

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

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>FEET</th>
<th>FORMATION DRILLED AND CORED</th>
</tr>
</thead>
<tbody>
<tr>
<td>5072</td>
<td>5074</td>
<td>2</td>
<td>OIL SAND</td>
</tr>
<tr>
<td>5074</td>
<td>5075</td>
<td>3</td>
<td>Hard dark shale</td>
</tr>
<tr>
<td>5075</td>
<td>5078</td>
<td>3</td>
<td>OIL SAND (Core 5076-88 rec. 12')</td>
</tr>
<tr>
<td>5078</td>
<td>5082</td>
<td>4</td>
<td>OIL SAND and thin seams gray sand</td>
</tr>
<tr>
<td>5082</td>
<td>5085</td>
<td>3</td>
<td>Dark sandy brown shale seams OIL SAND and gray sand</td>
</tr>
<tr>
<td>5085</td>
<td>5109</td>
<td>24</td>
<td>Dark sandy brown shale (Core 5088-98 rec. 3', 5098-5109 rec. 6')</td>
</tr>
<tr>
<td>5109</td>
<td>5111</td>
<td>2</td>
<td>OIL SAND streaks shale (Core 5109-11 rec. 2')</td>
</tr>
<tr>
<td>5111</td>
<td>5112</td>
<td>1</td>
<td>OIL SAND (Core 5111-23 rec. 12')</td>
</tr>
<tr>
<td>5112</td>
<td>5123</td>
<td>11</td>
<td>Hard dark sandy brown shale thin seams gray sand</td>
</tr>
<tr>
<td>5123</td>
<td>5131</td>
<td>8</td>
<td>Hard dark shale (Core 5123-32 rec. 9')</td>
</tr>
<tr>
<td>5131</td>
<td>5132</td>
<td>1</td>
<td>OIL SAND</td>
</tr>
<tr>
<td>5132</td>
<td>5137</td>
<td>5</td>
<td>Hard dark sandy thin seams OIL SAND (Core 5132-37 rec. 2')</td>
</tr>
</tbody>
</table>

Reamed hole 5½" Smith Underreamer 4945 to 5134'.

Dec. 27, 1928 hung 200' of 4½" liner at 5088' including 139' of perforated on bottom.

Ran 2½" U.F. tubing to 4946' and washed hole clean. Put on connections and injected high pressure gas to casing head. Well started to flow by compressor at 11:00 P.M. Dec. 28, 1928.

**Production by 24-hour periods:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Made bbls net oil</th>
<th>39 bbls. water</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 29, 1928:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>392</td>
<td>220</td>
</tr>
<tr>
<td>31</td>
<td>692</td>
<td>103</td>
</tr>
<tr>
<td>January 1, 1929:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>693</td>
<td>63</td>
</tr>
<tr>
<td>3</td>
<td>770</td>
<td>66</td>
</tr>
<tr>
<td>4</td>
<td>755</td>
<td>44</td>
</tr>
<tr>
<td>Flow test witnessed by State Mining Bureau. Deferred decision on shut-off.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>788</td>
<td>46</td>
</tr>
<tr>
<td>6</td>
<td>740</td>
<td>46</td>
</tr>
<tr>
<td>7</td>
<td>760</td>
<td>32</td>
</tr>
<tr>
<td>8</td>
<td>765</td>
<td>15</td>
</tr>
<tr>
<td>9</td>
<td>633</td>
<td>11</td>
</tr>
</tbody>
</table>

**Drillers**

W.E. Breslauer  
R.L. Hilliard  
M.D. Spencer
Mr. L. E. Little, Whittier.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

Dear Sir:

Your supplementary proposal to drill Well No. "San Gabriel" 17

Section 11, T. 5 S., R. 12 W., S.B. B. & M., Seal Beach Oil Field, Los Angeles County, dated Dec. 20, 1922, received Dec. 24, 1922, 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 new conditions are as follows:

- Depth = 4972 ft
- Ceg. Record = 59' 28" S. P. Cemented Not tested.
- 505' 18" S. P. " " "
- 563' 12" S. P. and recemented W.S.O.
- 381' 9" Cemented and recemented 3 times. W.S.O.

with cement drilled out 2' below shoe. Wet when cement was drilled out 5' below shoe.

4972' 6-5/8" Cemented (Flowed clean oil on test).

The well was swabbed in for a flow test 1:05 A.M. 12-14-28. Sanded up from 10:30 A.M. to 1:30 P.M. then flowed by heads until noon 12-15-28. For the next 4 days every effort made to wash out and bail out the sand in order to make a flow test were defeated by heaving sand. The following gravity and centrifuged tests were made on oil samples taken while the well was flowing:

12-14-28
3:00 A.M. 20.8 Grav. 26.0 cut 18 Em. 8 water.
4:00 A.M. 24.7 " 18.0 " 18 " 0 "
(25/32 FN 8500# CP 125#/T)

12-15-28
4:00 A.M. 27.4 Gr. .4 ct.
6:00 A.M. 27.6 " .4 cut
8:00 A.M. 27.4 " .6 "
10:00 A.M. 27.7 " .2 "
12:00 noon 27.9 " .2 "
24/32 FN 9750# C.P. 200#/TP "

PROPOSAL:

"WE NOW PROPOSE (Confirming conversation Huguenin & Coplay)

To core ahead and complete in the Lower Mesem measures - at a depth comparable to Marland Bixby #15 providing no unfavorable formations are encountered.

Your department will be informed of the progress of the well at frequent intervals, before landing further casing and to witness a production test upon completion of the well."

DECISION:

THE PROPOSAL IS APPROVED.

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

R. D. BUSH,
State Oil and Gas Supervisor

By: Huguenin

ABH-MC
Dear Sir:

In compliance with your recommendation in report No. P. 1-18688 mudding operations at our well No. San Gabriel 17, Sec. 11, T. 5 S., R. 12 W., S.B. & M., Seal Beach oil field, Los Angeles County, were conducted as follows on Nov 29, 1928.

1. The casing record is as follows: 505-16" C. 4638-11746 W. S. 4818-9" C W. S.

2. An 8 3/4 rotary hole was drilled from 4818 to 4972.

3. Mud fluid was circulated for 4 hr. prior to final test.

4. The initial rate of mud loss was No loss bbl. per hr.

5. The drill pipe was hanging at 4962 during the test.

CIRCULATION TEST

During the circulation test from 9:50 a.m. to 10:20 a.m. mud fluid was lost from the pit at the rate of 1 bbl. per hr.

PRESSURE TEST

The space between the inch and inch casings was packed off with .

During a pressure test of minutes, the pressure dropped from lb. to lb. Or, bbl. of mud was pumped between casings under lb. pressure until loss was reduced to bbl. per hr.

The mudding was concluded as satisfactory at .

There were also present:

M. D. Spencer, Driller
W. A. Eardley, Pet. Engineer

Yours truly,

Standard Oil Co. of Cal. (Operator)

by W. S. Thompson (Name and title)


(Signature and title of outside witness) (Operator)

hereby certify that the pressure drop during final test was as noted above.

INSTRUCTIONS: Approval to conduct test must be obtained from Deputy Supervisor. This approval must be verified by outside witness before making test.
Mr. E. Huguenin
Deputy State Oil and Gas Supervisor

Los Angeles, Cal.

Dear Sir:

Please be advised that our notice to you dated November 22, 1928,
stating our intention to Deepen well No. San Gabriel 17,
(Drill, deepen, redrill, abandon)
Sec. 11, T. 5S, R. 11W, S. B. B. & M. Seal Beach Oil Field,
Los Angeles County, must be amended on account of changed or recently
discovered conditions.

The new conditions are as follows:

Depth - 4972'.
Csg. Record - 59', 28" S. P. Cemented Not tested.
505', 18" S. P. " " "
4638', 11-3/4" " and recemented W.S.O.
4818', 9" Cemented and recemented 3 times. W.S.O.
with cement drilled out 2' below shoe. Wet when cement was drilled
out 5' below shoe.
4945', 6-5/8" Cemented (Flowed clean oil on test).

The well was swabbed in for a flow test 1:05 A.M. 12-14-28. Sanded
up from 10:30 A.M. to 1:30 P.M., then flowed by heads until noon 12-15-28.
For the next 4 days every effort made to wash out and bail out the sand
in order to make a flow test were defeated by heaving sand. The following
gravity and centrifuged tests were made on oil samples taken while the
well was flowing:

<table>
<thead>
<tr>
<th>Time</th>
<th>Grav.</th>
<th>26.0 cut 18 Em.</th>
<th>8 water.</th>
<th>4.00 A.M. 27.4 Cr.</th>
<th>.4 ct</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.0</td>
<td>18.0</td>
<td>0</td>
<td>6.00 A.M. 27.6</td>
<td>.4 cut</td>
<td></td>
</tr>
<tr>
<td>4.00 A.M. 24.7</td>
<td>(25/32 FN 850# CP 125#TP)</td>
<td>8.00 A.M. 27.4</td>
<td>.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.00 A.M. 27.7</td>
<td>.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.00 noon 27.9</td>
<td>.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24/32 FN 975# C.P. 200#TP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WE NOW PROPOSE (Confirming conversation Huguenin & Copley)

To core ahead and complete in the Lower Wasem measures - at a
depth comparable to Marland Bixby #15 providing no unfavorable
formations are encountered.

Your department will be informed of the progress of the well at
frequent intervals before landing further casing and to
witness a production test upon completion of the well.

Respectfully yours,

STANDARD OIL COMPANY OF CALIFORNIA

By

(Stamp)

APPROVED

Division Superintendent
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. December 1, 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 No. San Gabriel #17, Sec. 11, T. 5-S., R. 11-W., S.E. B. & M. Seal Beach Oil Field, Los Angeles County, on the 6th day of December, 1928.

6½ inch 28 lb. casing was landed/cemented in hard sandy shale at 4945 (Formation) (Depth)
on Nov. 30, 1928 (Date)

20 sacks Golden Gate (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 4972 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: [Signature]

Reference to File of Date

ADDRESS NOTICE TO DEPUTY STATE OIL AND GAS SUPERVISOR IN CHARGE OF DISTRICT WHERE WELL IS LOCATED
Report on Test of Water Shut-off
OR
Special Report on Operations Witnessed

STANDARD OIL COMPANY OF CALIFORNIA

Well No. "SAN GABRIEL" 17, Sec. 11, T. 5 S., R. 12 W., S.E. B. & M.,

THE INSPECTOR NOTED THE FOLLOWING:
1. No fluid entered the well while standing 12 hr. for test.
2. Samples of the fluid taken from the depths of 2515' consisted of light mud fluid and from 4320' of medium mud fluid which tasted fresh.

THE SHUT-OFF IS APPROVED.

R. D. BUSH
State Oil and Gas Supervisor

By
Report on Test of Water Shut-off
(BAILING)

No. T -1-15987

Los Angeles Cal. Nov. 28 1928

Mr. L.B. Little
Whittier Cal.

Agent for STANDARD OIL COMPANY OF CALIFORNIA

DEAR SIR:

Your well No. "SAN GABRIEL" 17, Sec. 11, T. 5 S, R. 12 W, S.B. B. & M., Seal Beach Oil Field, in Los Angeles County, was tested for shut-off of water on Nov. 19, 1928, Mr. L.W. Richards, designated by the supervisor, was present as prescribed in Section 19, Chapter 718, Statutes 1915, as amended, and there were also present R. Copley, Engineer and M. D. Spencer, Driller.

Location of water tested between 4818 and 4828 ft, and normal fluid level not reported.

Depth and manner of water shut-off:
- Re-cased with cemented casing was 11/12/28 in shale formation.
- At 4818 ft. with 30 sacks Golden Gate cement by Perkins method.
- Water string was landed in 11 1/2" rotary hole.
- Casing record of well 18" cem. 505', 11 1/2" cem. 4836', W.S.D.; 9" as above.

Reported total depth of hole 4839 ft. Hole bridged from ft. to ft. Hole cleaned out to 4820 ft. for this test.

At time of test depth of hole measured 4820 ft. and bailer brought up sample of sand.

At 12 midnight Nov. 18, 1928 oil bailed to no oil ft., drilling fluid bailed to 2515 ft.

At 12 noon Nov. 19, 1928 top of oil found at no oil ft., top of fluid found at 2515 ft.

Result of test:

MR. COLEY REPORTED THE FOLLOWING:
1. On Oct. 14, 1928, the 9" casing was cemented with 50 sacks of Golden Gate cement, treated, by the Perkins method in an 11 1/2" rotary hole. The cement was cleaned out to 4837' and the well tested wet when bailed for a test.
2. On Oct. 25, 1928, the well was re-cemented with 45 sacks. The well tested wet when bailed to 2200' for a test.
3. On Nov. 2, 1928, the 9" casing was re-cemented with 35 sacks. The well tested wet when bailed to 2070' for a test.
4. The 9" casing was re-cemented as above.
5. No fluid entered the well when bailed to 2000' and allowed to stand 4 hr. for casing test.
6. No cement was drilled out of the 9" casing.
7. All the cement was treated with quick setting chemical.

(continued on page two)

R. D. BUSH
State Oil and Gas Supervisor

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

LWR: ML

By Deputy