

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

REPORT OF WELL ABANDONMENT

Los Angeles 15, California, January 18, 19 51

Mr. R. B. Watkins
 3516 Atlantic Avenue
 Long Beach 7, California

Dear Sir:

Your report of abandonment of Well No. "Braille" 1, Sec. 2, T. 3 N., R. 16 W., S. B. B. & M., Newhall oil field, Los Angeles County, dated December 15, 1950, has been examined in conjunction with records filed in this office.

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

MAP	MAP BOOK	CARDS	INDEX	NOTES
18a	NWS		for work	Report

Yours truly,

cc - Mr. R. D. Bush
 Mr. R. B. Watkins
 Mr. C. J. Thrapp
 Capt. E. H. Richardson

R. D. BUSH
 State Oil and Gas Supervisor

By E. H. Messer
 Deputy Supervisor

SUBMIT IN DUPLICATE
STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

DIVISION OF OIL & GAS
RECEIVED
JAN 14 1951
LOS ANGELES

History of Oil or Gas Well

OPERATOR R. B. Watkins FIELD Newhall

Well No. (Braille) #1, Sec. 2, T. 3 N, R. 16 W, S. B. & M.

Signed R. B. Watkins

Date 12-15-50 Title Owner

(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

- | Date | Description |
|-------|--|
| 1950 | |
| 10-18 | Dumped 6 sacks of cement at 3647' |
| 10-21 | Put 90 bbl. of mud in hole . Dumped 4 sax cement |
| 10-24 | O. K. on bottom plug 3562' (Foster for D. of O. & G.)
Shot pipe at 1982' - 1764'. Came from 1764' |
| 10-25 | Dumped 6 sax cement @ 1745'. Pulled pipe. |
| 10-26 | Ran wooden plug to 350'. Bridged with rock to 346'. |
| 10-27 | Dumped 18 sax cement at 346'. |
| 10-28 | D. of O. & G. O. K. on cement plug at 297'. Put 10' cement plug in top of surface pipe. Abandoned. |

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-52041

Los Angeles 15, Calif. November 17, 19 50

Mr. R. B. Watkins
Long Beach 7, Calif.
Agent for R. B. WATKINS

DEAR SIR:

Operations at your well No. "Braille" 1 Sec. 2, T. 3 N., R. 16 W., S.B. B. & M.,
Newhall Field, in Los Angeles County, were witnessed by
N. W. Sampson, Inspector, representative of the supervisor,
on October 31, 19 50. There was also present V. A. McBride Driller.

Casing Record 10-3/4" cen. 327' 5 1/2" (including 35' of 7" on top) cen. 3735'; perf. 3680'-3625'; four 1/2" holes 3620', W.S.O.; shot 1982' and 1764', pulled from 1764'; Junk (inside 5 1/2" bailer 3687'-3647'; T.D. 4712', plugged with cement 3735'-3687', 3620'-3562', 1745'-1725', 350'-297', and 17'-5'.	Junk none sidetracked.
---	------------------------

The operations were performed for the purpose of testing the location and hardness of a cement
plug placed from 17' to 5' in the process of abandonment.

The inspector arrived at the well at 3:10 p.m. and Mr. V. A. McBride reported:

1. A wooden plug was driven to 12' below the cellar floor, or 17' below the surface of the ground.
2. The hole was bridged with crushed rock from 17'-15'.
3. On October 28, 1950, four sacks of cement was dumped into the hole on the plug at 15' filling the hole with cement to the cellar floor.

THE INSPECTOR NOTED THAT the hole was filled with set cement to the cellar floor.

The test was completed at 3:30 p.m.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 5' ARE APPROVED.

NNS:OH

cc- R. B. Watkins

R. D. BUSH

State Oil and Gas Supervisor

By

 Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Violated

Mr. J. B. ...
Oil
Agent for ...

Operations at your well No. ...
Title in ...
There was also produced ...

Closing ...
The operators were performed for the purpose of ...
The instrument ...

The operators were performed for the purpose of ...
The instrument ...

The operators were performed for the purpose of ...
The instrument ...

The operators were performed for the purpose of ...
The instrument ...

The operators were performed for the purpose of ...
The instrument ...

The operators were performed for the purpose of ...
The instrument ...

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-52040

Los Angeles 15, Calif. November 17, 19 50

Mr. R. B. Watkins
Long Beach 7, Calif.
Agent for R. B. WATKINS

DEAR SIR:

Operations at your well No. "Braille" 1 Sec 2, T3 N., R16 W., S. B. B. & M.,
Newhall Field, in Los Angeles County, were witnessed by
Paul Betts, Inspector, representative of the supervisor,
on October 28, 19 50. There was also present V. A. McBride, Driller;
J. C. Gordon, Helper.

Casing Record 10-3/4" cem. 327'; 5 1/2" (including 35' of Junk none sidetracked.
7" on top) cem. 3735'; perf. 3680'-3625'; four 1/2" test
holes 3620', W.S.O.; shot 1982' and 1764', pulled from 1764'.
Junk (inside 5 1/2") bailer 3687'-3647'. T.D. 4712', plugged
with cement 3735'-3687', 3620'-3562', 1745'-1725', and
350'-297'.

The operations were performed for the purpose of testing the location and hardness of a cement
plug placed from 350' to 297' in the process of abandonment.

~~The inspector arrived at the well at XXXXXXXXXXXXXXXXXXXX and Mr. XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX reported XXX~~

INSPECTOR SAMPSON VISITED THE WELL FROM 7:30 - 8:10 A.M., OCTOBER 27, 1950, AND
MR. McBRIDE REPORTED THAT a wooden plug was driven to 350'.
THE INSPECTOR NOTED THAT plugging operations were started by dumping cement in the
hole at 350'.

INSPECTOR BETTS ARRIVED AT THE WELL AT 10:00 A.M. AND MR. McBRIDE REPORTED THAT on
October 27, 1950, 18 sacks of cement was dumped in the hole beginning at 350'.

THE INSPECTOR NOTED THAT the bailer could not be spudded below 297' and brought up a
sample of set cement.

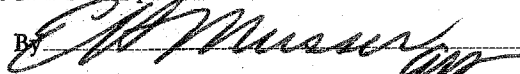
The test was completed at 10:45 a.m.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 297' ARE APPROVED.

PWB:OH

cc- R. B. Watkins

R. D. BUSH
State Oil and Gas Supervisor

By  Deputy

F/B

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

Special Reports on Operations Witnessed

W. T. [Illegible]

[Illegible]

[Illegible]

Agent for

Dear Sir:

Operations in your well No. [Illegible] field in [Illegible] County, were witnessed by [Illegible] representative of the supervisor.

on [Illegible] 19 [Illegible]. They were also present

Time	Casing Record
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]
[Illegible]	[Illegible]

The operations were performed for the purpose of [Illegible]

Witnessed at the well on [Illegible] at [Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

[Illegible]

R. D. RUSH
State Oil and Gas Supervisor

[Handwritten signature]

[Illegible]

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

Special Report on Operations Witnessed

No. T 1-52039

Los Angeles 15, Calif. November 17, 1950

Mr. R. B. Watkins
Long Beach 7, Calif.
Agent for R. B. WATKINS

121

DEAR SIR:

Operations at your well No. "Braille" 1 Sec. 2, T. 3 N., R. 16 W., S. B. B. & M.,
Newhall Field, in Los Angeles County, were witnessed by
J. F. Foster, Inspector, representative of the supervisor,
on October 25, 19 50. There was also present Glen Owens, Contractor;
V. A. McBride, Driller.

Casing Record <u>10-3/4" cem. 327'; 5 1/2" (including 35' of</u>	Junk none sidetracked.
<u>7" on top) cem. 3735'; perf. 3680'-3625'; four 1/2" holes</u>	
<u>3620', W.S.O., shot 1982' and 1764', pulled up 10';</u>	
<u>junk (inside 5 1/2") bailer 3687'-3647'; T.D. 4712', plugged</u>	
<u>with cement 3735'-3687', 3620'-3562', and 1745'-1725'±.</u>	

The operations were performed for the purpose of testing the location and hardness of a cement
plug placed from 1745' to 1725'± in the process of abandonment.

The inspector arrived at the well at 7:45 a.m. and Mr. Owens reported:
that the 5-1/2" casing was shot at 1982' and 1764' and pulled up to 1754'.

THE INSPECTOR NOTED THAT 6 sacks of cement was dumped into the hole beginning at 1745'
calculated to fill to 1725'±.

The operations were completed at 9:30 a.m.

THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

JFF:OH

F
B

cc- R. B. Watkins

R. D. BUSH

State Oil and Gas Supervisor

By

[Signature]

Deputy

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

Special Report on Operations Withhold

No. 1-1-10

Oil and Gas Lease No. _____

Oil

Agent for _____

Page 2

Operations at your well No. _____ in _____ field in _____ County, were withheld by _____ representative of the operator.

There was also present _____

The operations were withheld for the purpose of _____ and the _____

R. D. BUSH

State Oil and Gas Supervisor

[Handwritten signature]

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Special Report on Operations Witnessed

No. T 1-52038

Los Angeles 15, Calif. November 17, 19 50

Mr. R. B. Watkins
Long Beach 7, Calif.
Agent for R. B. WATKINS

DEAR SIR:

Operations at your well No. "Braille" 1 Sec. 2, T. 3 N., R. 16 W., S. B. B. & M.,
Newhall Field, in Los Angeles County, were witnessed by
J. F. Foster, Inspector, representative of the supervisor,
on October 24, 19 50. There was also present V. A. McBride, Driller;
J. G. Gordon, Helper.

Casing Record 10-3/4" cem. 327'; 5 1/2" (including 35' of Junk none sidetracked.
7" on top) cem. 3735'; perf. 3680'-3625'; four 1/2" holes
3620', W.S.O. Junk (inside 5 1/2") bailer 3687'-3647'; T.D. 4712',
plugged with cement 3735'-3687', and 3620'-3562'.

The operations were performed for the purpose of testing the location and hardness of a cement
plug placed from 3620' to 3562' in the process of abandonment.

The inspector arrived at the well at 9:40 a.m. and Mr. McBride reported:

1. The well was flowing brackish water.
2. A bailer was stuck from 3687'-3647' while cleaning out and was not recovered.
3. On October 18, 1950, 6 sacks of cement was dumped beginning at 3647'.
4. The water was not shut-off.
5. On October 20, 1950, 90 barrels of mud was pumped into the hole through 2-1/2" tubing hanging at 1200'.
6. On October 20, 1950, 4 sacks of cement was dumped into the hole beginning at 3620'.

THE INSPECTOR NOTED THAT the bailer could not be spudded below 3562' and brought up a sample of set cement.

The test was completed at 10:45 p.m.

THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 3562' ARE APPROVED.

JFF:OR

cc- R. B. Watson

R. D. BUSH

State Oil and Gas Supervisor

By *E. H. Mueser* Deputy

STATE OF CALIFORNIA
DEPARTMENT OF AGRICULTURE
DIVISION OF OIL AND GAS

Special Report on Operations Worksheet

No. T-1000

Operator at point well No. _____
County _____
Field in _____
Agent for _____

Date: _____

Operations at point well No. _____
County _____
Field in _____
There was also present _____

Causing Record _____

The operations were performed for the purpose of _____

The inspection was at the well at _____

R. B. BURR

State Oil and Gas Inspector

County _____

[Handwritten signature]

State of California

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P. 1-48955

Los Angeles 15, Calif. October 16, 1950

Mr. R. B. Watkins

Long Beach 7, Calif.

Agent for R. B. WATKINS

DEAR SIR:

Your proposal to abandon Well No. "Braille" 1, Section 2, T. 3 N., R. 16 W., S. B. B. & M., Newhall Field, Los Angeles County, dated Oct. 4, 1950, received Oct. 11, 1950, has been examined in conjunction with records filed in this office.

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

RECORDS IN ADDITION TO, OR AT VARIANCE WITH, THOSE SHOWN IN THE NOTICE:

5-1/2" cem. 3735'; four 1/2" test holes 3620', W.S.O.; perf. 3680'-3625'; bridged with cement 3735'-3687'. T. D. 4712'.

THE NOTICE STATES:

"The present condition of the well is as follows:

1. Complete casing record.
10-3/4" - 45# and 31# cemented @ 327' with 300 sacks.
5-1/2" - 17# cemented @ 3735' with 35' of 7" 26# on top, using 600 sacks.

2. Last produced.	June 8, 1950	2-1/2 bbls.	24.9	82%
	Date	per day Net oil	Gravity	Cut"

PROPOSAL:

"The proposed work is as follows:
We propose to pull all casing possible."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT

1. A cement plug be placed from 3687'-3605'.
2. A cement plug be placed from 2050'-1950' if the 5-1/2" casing is pulled from below 2050'.
3. A 20' cement plug placed on the stub of the 5-1/2" casing if it is pulled from above 2050'.
4. A cement plug be placed from 347'-307'.
5. A 10' cement plug be placed in the 11-3/4" casing at the surface.

6. THIS DIVISION SHALL BE NOTIFIED AS FOLLOWS:

- (a) To witness the placing of and the location and hardness of each cement plug.
- (b) To inspect the completed surface plug.

NNS:OH

cc- Mr. R. B. Watkins

R. D. BUSH

State Oil and Gas Supervisor

By *E. H. Musgrave* Deputy

No bond required.

DIVISION OF OIL AND GAS

Report on Proposed Operations

STATE OF MISSISSIPPI

DEPARTMENT OF REVENUE

No. 7

DATE

Oil

Dear Sir:

Your proposal to ...

George G. T. ...

dated ...

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

... the ...

... the ...

... the ...

... the ...

... the ...

Very truly yours,

...

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R. D. BUSH

State Oil and Gas Supervisor

By

...

9 7/8" 5 1/2" - 17

3.154

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL & GAS

DIVISION OF OIL AND GAS RECEIVED

OCT 11 1950

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin

Long Beach

Calif.

October 4, 1950

19

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. Braille #1

Sec. 2, T. 3N, R. 16W, S.B. B. & M. Newhall Field,

County, commencing work on the _____ day

of _____ 19____.

The present condition of the well is as follows:

1. Complete casing record.

10-3/4" - 45# and 31# cemented @ 327' with 300 sacks.

5-1/2" - 17# cemented @ 3735' with 35' of 7" 26# on top, using
600 sacks.

2. Last produced. June 8, 1950 2-1/2 bbls. 24.9 82%
Date per day Net oil Gravity Cut

The proposed work is as follows:

We propose to pull all casing possible.

Adrian de...

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
		EB		EB	EB

R. B. Watkins

(Name of Operator)

By R. B. Watkins

(Over) Drilling Products Co.

DIVISION OF OIL AND GAS
DRILLING REPORT

Revised Institute
Department of Oil and Gas
San Francisco, Calif.
Copyright © 1946

Well No. 1
Los Angeles
California

August 4, 1946 MAR 14 1947
(CHECK BOXES)

LOS ANGELES, CALIFORNIA

DAY	DEPTH		REMARKS
	FROM	TO	
1/4/46			
8/4	0	72	

Location: 330' easterly at 90° to west boundary
and 12' northerly at 40° to south boundary of
Pacific Institute of America property.
Elevations: Derrick floor - 1340'
Ground level - 1339'
Difference - 1'
Note: All measurements from derrick floor.
Spudded in at 8:00 p.m.
Drilled 10-5/8" hole.

DRILLER
A. N. [Name]

Clyton-Covino and Associates, Contractors

CONDITION AT POINT OF LOSS

MATERIAL		WEIGHT LOSS		REMARKS	
SIZE	PERCENT	WEIGHT	PERCENT	REMARKS	REMARKS

DRILL PIPE
1-1/2"

[Handwritten signature]

RECEIVED

MAR 14 1947

REPORT NO. 1000

Los Angeles

March 11, 1946

LOS ANGELES, CALIFORNIA

Per. 3, 7, 23, 24, 25

DATE	DEPTH		FORMATION	REMARKS
	FROM	TO		
1946 8/5	72	331	Sand and gravel	Drilled 10-5/8" hole. Mud 80%.
				Reamed 2/331' with 10-5/8" x 19-3/4" hole open.
	331	329		Completed 10-3/4" casing at 329'.
				cement: 300 sacks of 40-struction cement, treated.
				Circulation: Good returns.
				Final pressure: 150#
				Casing details from bottom up:
				139.51', 31# Slipjoint (on bottom)
				173.44', 15#, T. & C.
				Flanged up. Installed Shafter and Wagon joints.
				Tested connection: 300# C.K.
7	331	623	Sand, shale streaks	Located top of cement at 325'.
				Drilled 9-7/8" hole. Mud 71%.
8	833	1336	Sand, streaks of clay & silty shale	Drilled 9-7/8" hole. Mud 75/70%.
				Trusted off at top of drill collar.
				Recovered fish on first run with Shafter sockets.
9	1324	1685	Hard sand with streaks of clay and silty shale	Drilled 9-7/8" hole. Mud 74/70%, treated.
10	1585	1919	Hard sand and silty shale since streaks of clay	Drilled 9-7/8" hole. Mud 77/80%, treated.
				Measured out O.K.
				Bobbles on ditch 1716 to 1820' (impossible to locate, probably air).
11	1919	2027	Hard sand and silty shale streaks of clay	Drilled and cored 9-7/8" hole. Mud 78/80%, treated.
	2027	2047	Core #1	
	2047	2214	Hard sand, clay and silt	

WILLIAMS
D.E. Gatchings
A.A. Anderson
H. Götter

CONNECTION BY DEPTH IN FEET

HOLE	DEPTH	
	FROM	TO
10-5/8"	0	72
DRILL PIPE		
SIZES 1 1/2" / 2"		

Clayton Sevorns and Associates, Contractors

[Handwritten signature]

DIVISION OF OIL AND GAS
RECEIVED

MAR 14 1947

LOS ANGELES, CALIFORNIA

Newhall
Wally ...

Institute

Los Angeles

August 14, 1946

Oil Field Service

DATE	FORMATION		DESCRIPTION
	FROM	TO	
4/12	2214	2247	Sand and conglomerate
	2247	2257	Core #2
	2257	2532	Sand, silt & Conglomerate
13	2532	2532	Core #3
	2532	2603	Silt with streaks of sand and shale
	2603	2623	Core #4
	2623	2648	Silt with streaks of sand and shale
14	2648	2995	Silt, sand & conglomerate
	2995	3015	Core #5
	3015	3113	Silt with streaks of sand and shale
15	3113	3151	Core #6
	3151	3297	Silt, sand & conglomerate
	3297	3317	Core #7
16	3317	3410	Silt with streaks of sand and shale
	3410	3417	Core #8
17	3417	3512	Silt with streaks of sand and shale
	3512	3518	Core #9
18	3518	3653	Cores #9 to #19

Drilled and cored 9-7/8" hole. Net 76/828, tr.

Drilled and cored 9-7/8" hole. Net 78/828, tr.

Drilled and cored 9-7/8" hole. Net 79/858, tr.

Drilled and cored 9-7/8" hole. Net 78/828, tr.

Drilled and cored 9-7/8" hole. Net 80/828, tr. Drag Head core barrel wouldn't penetrate sandstone shell at 3417', pulled out after working 7'.

Drilled and cored 9-7/8" hole. See elastic log at 3512'. Net 71/828, treated.

Cored 9-7/8" hole to 3512'. Cored 7-5/8" hole 3562/3653'. Net 71/828, treated.

WILLIAMS
E. A. Anderson
D. A. Gatchings
Earl Carter

EXHIBITION AT FRONT OF WELLS

SIZE	CORING SIZE		DEPTH FEET
	FROM	TO	
15-1/2"	0	331	10-3/8" 321
9-7/8"	331	2214	

Wayton Severns & Associates, Contractors

Wally ...

DIVISION OF OIL AND GAS

RECEIVED

MAR 14 1947

W. Marshall
 (Halliburton Co.)

DEPARTMENT OF OIL AND GAS

Int'l

Los Angeles

LOS ANGELES, CALIFORNIA

DATE	DEPTH (FT)		FORMATION	REMARKS
	START	END		
8/19	3677	3683	Core #20	Cored 7-5/8" hole. Mud 76/574, treated. Ran electric log at 3713'. Measured in O.K. Roused 3683/3689' with 7-5/8" x 9-7/8" secondary hole opener.
	3683	3693	Core #21	
	3693	3689	Core #22	
	3689	3693	Core #23	
	3693	3703	Core #24	
	3703	3713	Core #25	
20	3713			Cleaned out retchole, 3622/3713' with 7-5/8" duplex core barrel. P.S.T. 3622/3712' (Houston formation factor) meters at 3622', 2 1/2-foot perforated tail pipe, 1/2" beam, no cushion. Valve open; 12:05 to 12:40 pm. (35 minutes) Blow: strong 5 minutes, fair, steady 15 minutes, faint for balance of hour. Recovery: 350' (5' vols.) of new fluid. 90' of mud 90' of gas-out mud 170' of oily, gas out mud. Samples: 23 g.c.g. salinity.
21	3715	3723	Core #26	Cored 7-5/8" hole 3713/3719. Mud 76/790, treated. Roused 3703/3779' with 7-5/8" x 9-7/8" secondary hole opener. Milled 9-7/8" hole.
	3723	3733	Core #27	
	3733	3743	Core #28	
	3743	3753	Core #29	
	3753	3763	Core #30	
	3763	3769	Core #31	
	3769	3779	Core #32	
	3779	3817	Hard siltstone with streaks of sand and clay	
22	3817	3910	Hard sand, siltstone and conglomerate	Milled 9-7/8" hole. Mud 76/600, treated. Installed new casing pipe, traveling block and brake bands.

LOG SECTION AT POINT OF INTEREST

HOLE	CASING SIZE		DEPTH (FEET)
	INCH	OD	
			10-3/4"
5-1/2"	0	331	
9-7/8"	3 1/2	3552	
7-5/8"	3 5/8	3653	
HOLE TYPE 4-1/2"			

W. Marshall

Newhall
 (Hall's Camp Area)
 (USGS)
 Los Angeles
 (COUNTY)

DIVISION OF OIL AND GAS
 RECEIVED
 MAR 14 1947
 BRILLING 5-20-47
 LOS ANGELES, CALIFORNIA
 August 24, 1946
 (COURTESY USGS)

1
 Hall's Institute
 (CORPORATED IN CALIF.)
 (San Francisco, Member)
 (INCORPORATED IN CALIF.)

DAY	DEPTH		FORMATION	REMARKS
	FROM	TO		
1946 8/23	3910 3930	3920 3960	Core #33 Hard sandstone and conglomerate	Cored and drilled 9-7/8" hole. Mud 79/81#, etc. Installed gas detector - readings, 0-36 L.R.L.
24	3960	4057	Hard sandstone shell and conglomerate	Drilled and cored 9-7/8" hole. Mud 78/81#, etc. Gas detector, 0-36 L.R.L.
25	4070 4077	4077 4225	Core #34 Hard sandstone shell, siltstone & conglomerate	Cored and drilled 9-7/8" hole. Mud 76/81#, etc. Gas detector, 0-36 L.R.L.

DRILLERS
 A.A. Anderson
 D.R. Castings
 Earl Collier

Clayton Seavens and Associates, Contractors

CONDITION AT END OF WELL				
MUD			GRAB SAMPLE	DEPTH SET
NO.	FROM	TO		
			10-3/4"	327"
5-1/2"	0	331		
9-7/8"	331	3562		
7-5/8"	3562	3653		

DRILL PIPE 4-1/2"
 SIZE

[Handwritten signature]

Wentworth
 (Salt Corner Area)

DIVISION OF OIL AND GAS
 RECEIVED
 September 1, 1946

DIVISION OF OIL AND GAS
 RECEIVED

MAR 14 1947

1
Wentworth

Los Angeles 28

LOS ANGELES, CALIFORNIA

DATE	DEPTH		FORMATION	REMARKS
	START	END		
8/26	4325	4345	Core #35	Cored and drilled 9-7/8" hole. Mud 78/80%, Measured out O.K. Gas detector 0-3% L.E.L.
	4345	4325	Hard sand and silt	
8/27	4325	4360	Hard sand and silt	Drilled and cored 9-7/8" hole. Mud 78/80%, Gas detector, 0/2-1/2% L.E.L.
	4360	4380	Core #36	
	4380	4420	Hard sand and silt	
8/28	4423	4527	Hard sand and shaley silt	Drilled and cored 9-7/8" hole. Mud 78/80%, Gas detector 0-4% L.E.L.
	4527	4537	Core #37	
	4537	4567	Hard sand and shaley silt	
8/29	4567	4572	Hard sand and shaley silt	Drilled and cored 9-7/8" hole. Mud 79/83%, Gas detector 4567/4632, 0-3% L.E.L.; 4632/4650 out of order; 4650/4660, 4-7% L.E.L.; 4660/4692, 0-1% L.E.L.
	4572	4592	Core #38	

CONDITION AT END OF WIRE

WIRE			CABLE USE	DEPTH SET
DATE	FROM	TO		
15-1/2"	0	331	10-3/4"	327
9-7/8"	331	4225		
WIRE FROM 4-1/2"				

John Arthur

111

DIVISION OF OIL AND GAS
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Northall
 (Salt Canyon Area)

DRIILLING REPORT

September 1, 1946

LOS ANGELES, CALIFORNIA

Los Angeles
 (PROJECT)

San Francisco Ranch
 (PROPERTY OF MARCH)

DAY 1946	DEPTH		FORMATION	REMARKS
	FROM	TO		
8/30	4592	4702	Core 739	Cored 9-7/8" hole. Max GL, treated. Conditioned mud. Bar electric log and diameter. Gas detector, 0-4% I.L.L.
8/31	4712			Took shale wall samples at 4650, 4674, 4690, 3475, 3250, 3230, 2900, 2870, 2420, 2390, 2220 and 2190 with Hunt sampler. Conditioned mud. Unloaded 5-1/2" casing, casing tools and B.O.F. Rigged to run casing. Mud 79#, treated.
9/1	4712			Grouted 5-1/2" casing at 3735'. Cement: 600 sacks of Colton cement, 100# slurry. Mixed in 25 minutes, displaced in 16 minutes. Worked pipe while cementing. 10' running bridge 3735/3745'. Final pressure: 900# Casing details from bottom up: 3700' 5-1/2" 17# T & C, bottom 100' has wearstones at 5' intervals. 35' 7" 26# T & C (on top). 5-1/2" to 7" adapter at 55'. Flanged up. Tested Beach Ross flange with 1700# for 10 minutes - held O.K. Unloaded 2" upset tubing and 3/4" rods. Installed Shaffer & Regan gates.

WITNESSES

Anderson, A.R.
 Catchings, D.K.
 Cotter, Earl

Clayton Sevens & Associates, Contractors

CONDITION AT FIRST OFF WASH

HOLES			CASING SIZE	DEPTH SET
NO.	CODE	IN	10-3/4"	327
15-1/2"	0	331		
	331	4225		
GRILL PINS 4-1/2"				

J. L. Carter

McNeill
 (McNeill Canyon Area)
 Los Angeles

DIVISION OF OIL AND GAS
RECEIVED
 MAR 14 1947
 (San Francisco Office)
 RECEIVED

LOS ANGELES, CALIFORNIA

DATE	DEPTH	DESCRIPTION
1946		
5-2	4712	
3	4712 n. 3667	
7		
4/8	4712 n. 3667	

Standing account. Making up 2" tubing.
 Use Johnston combination tester and perforator
 located top of cement at 3667'.
 Shot four 1/2" holes at 3620'.
 L.S.W. Tank on hole at 3620'.
 Packers: at 3584', fullpiece to 3602',
 3/8" beam.
 Valve open: 2:45-3:30 A.M. (45 min.)
 Slow: light, steady 3 minutes, faint with
 slight heads 2' minutes, and dead 15
 minutes.
 Recovery: 210' of new fluid
 120' of rotary mud
 90' of slightly gas-cut mud
 Sample: All 10 g.c.g. reliability
 Decision: test O.K. but not witnessed by
 Division of Oil and Gas representative.
 Use McNeill gun-perforator
 Shot four 1/2" holes per ft. 3625-3630'
 using 2" tubing with pump shoe at 3619' (1 1/2"
 flange)
 Displaced mud with oil.
 Connected up pumping head.
 Pump detail:
 1 1/2" of 3/4" rods.
 2" x 1-1/4" x 6' fluid packed pump.
 Tearing out equipment.

DETAILS
 Catchings, D.R.
 Anderson, A.A.
 Cobber, Earl
 Clayton Severin & Associates, Constructors

COLUMNS WILL AD PART OF WORK			
DATE	DEPTH	GAUGE DEPTH	DEPTH SET
15-2/20	0	361	10-3/4" cemented 327'
9-7/20	311	4712	5-1/2" cemented 3735'

DRILL PIPE 2" tubing

J. A. [Signature]

Newhall

WASA (Bryon Aton)

Los Angeles

DIVISION OIL AND GAS
RECEIVED
DRILLING REPORT MAR 14 1947

September 15, 1946

LOS ANGELES, CALIFORNIA

Rancho San Francisco

DAY	DEPTH		FORMATION			
	FROM	TO				
9-9/11	4712					
12	4712					
	Status	Hrs. Prod.	Gross Fluid	Clean Oil	Gas	
12	P	8-1/2	73	-	-	
13	P	24	76	30	60.0	
14	P	24	19	10	80.0	
15	P	13	40	21	48.0	

Tearing out drilling equipment and installing pumping equipment

Put well on production at 9:30 p.m.

Salinity
P.P.T.

Gravity
(D₁₅)

444 27.4°

668 26.9°

725

Well was down 2 hours repairing pumping unit. Pump failed to operate balance of day.

CONDITION AT FIRST OF WEEK

HOLE			GRABBER SIZE	DEPTH SET
DATE	FROM	TO		
15-1/2	0	331	10-3/4"	cemented 327'
9-7/8	331	4712	5-1/2"	cemented 3735'
				perfs: 3625-3680'
				plug: 3687'

DRILL PIPE
SIZES

John L. ...

Newhall
 (Wells - Canyon Area)
 Los Angeles

DIVISION OF OIL AND GAS
 RECEIVED
 MAR 14 1947

Los Angeles
 (1947)

September 22, 1946

LOS ANGELES, CALIFORNIA

DAY	DAYS		VENTILATION			Sol. Cont. A.C.F.	T.P. P.S.I.	S.P.
	FROM	TO	Gas Prod.	Crude Fluid	Steam Oil			
16	P	14	50	20	60.0	-	-	-
17	P	24	31	16	46.0	-	-	-
18	P	24	46	18	60.0	959	-	35
19	P	24	30	12	59.0	780	-	30
20	P	24	32	-	-	-	-	-
21	P	24	29	-	-	-	-	30
22	SD	-	-	-	-	-	-	250

Sol. Cont. A.C.F.	T.P. P.S.I.	S.P.
-	-	-
-	-	-
959	-	35
780	-	30
-	-	-
-	-	30
-	-	250

Well shut down at 6:00 a.m. for static pressure
 flow line out, all others are tank cuts.
 Gravity: 24.9°
 Gas: negligible.
 On 9/18/46 ran densitograph and found operating
 fluid level at 3570'.

COMPLETION AT FOOT OF WELL

DRAIN		DRAINING OUT		DRAINING IN	
DATE	FROM	TO	DEPTH	DESCRIPTION	REMARKS
5-1/2"	0	33'	10-3/4"	Completed 327'	
9-7/8"	31'	4712'	9-1/2"	Completed 3735'	
				perfs: 3625/3640'	
				plug: 3637'	

J. C. ...

DIVISION OF OIL AND GAS

RECEIVED

MAR 14 1947

Wells Control Dept

UNRECORDED REPORT

September 29, 1946 LOS ANGELES, CALIFORNIA

Los Angeles

DAY	WELL NO.		FORMATION			Gross Fluid	Clean Oil	Gas %	Well Status	Cavity
	PROD	NO	Hrs. Prod							
1946										
9/23	P	6	15	7.5	50					
24/25 26	P	26*	111	67	60.0					
27										

Production not segregated by days.

Moved out pumping equipment and suspended well.

Final Report

CONDITION BY PERIOD OF WEEK

WELL NO.			CAPPING DATE	DRAIN DEPT
WELL	PROD	NO		
15-1/2"	0	331	10-2/4"	Completed 327'
9-7/8"	331	4712	5-1/2"	Completed 3735'
				Perfs: 3625/3690'
				Plug: 3687'

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121

[Handwritten Signature]

WELL NO. 1
 SHELL OIL COMPANY
 LOS ANGELES, CALIFORNIA

DATE SAMPLED: 11/19/47
 SAMPLED BY: H. J. Leachman

RECEIVED
 MAR 1 4 1947
 SHELL OIL COMPANY
 LOS ANGELES, CALIFORNIA

WELL NO. 1
 SHELL OIL COMPANY
 LOS ANGELES, CALIFORNIA

DEPTH FROM	TO	DEPTH OF CORE	DESCRIPTION OF CORE	PERCENT SAND	PERCENT CLAY	PERCENT SHALE	PERCENT SILT	PERCENT GRAVEL	PERCENT COBBLES	PERCENT PEBBLES	PERCENT FRAGMENTS
0	534		Not sampled, but reported as sand and gravel.								
534	404		Sand - buff colored, coarse grained, poorly sorted with pebbles up to 1/2", subangular grains.								
404	444		Not sampled.								
444	500		Sand - as above, but pebbles not exceeding 1/4".								
500	530		Sand - buff colored, coarse to medium, fair sorting, sub-angular.								
530	620		Sand - light grey, medium grained, fair sorting, sub-angular.								
620	1090		Sand - grey, coarse grained, poor sorting.								
1090	1120		Not sampled.								
1120	1130		70% Sand - grey, coarse to medium, numerous shell fragments.								
1130	1170		20% Clay - soft, sticky, blue.								
1170	1280		90% Sand - grey, coarse, poorly sorted, sub-angular, numerous shell fragments.								
1280	1420		60% Sand - as above.								
1420	1460		40% Shale - as above.								
1460	1480		90% Sand - as above.								
1480	1510		10% Shale - as above.								

1. CLAY OR SHALE WITH SAND STREAKS (SAND 0-45%), 2. CLAY OR SHALE AND SAND (SAND 25-50%), 3. SAND WITH SHALE STREAKS (SAND OVER 50%).

WELL NUMBER: A-1520, L. 1945
 DATED: _____
 COMMENCED: _____
 SAMPLES TAKEN BY: H.J. Woodward

TYPON SAMPLES
 SHELL OIL COMPANY
 RECEIVED
 MAR 14 1947
 LOS ANGELES, CALIFORNIA

FIELD: Newhall
 LEASE: _____
 WELL NO. 1

FROM	TO	DEPTH - FEET	DIAMETER OF CORE	FORMATIONAL, STRUCTURAL AND PROBABLE	DESCRIPTION OF CORE	DEPTH	DIAMETER	REMARKS
1510	1540				70% Sand - gray, coarse, poorly sorted, sub-angular. 30% Shale - Gray, firm, silty.			
1540	1580				70% Sand - as above but with pebbles up to 1/2" 30% Shale - as above			
1580	1640				Not sampled.			
1640	1650				60% Sand - gray, coarse, poorly sorted. 40% Shale - as above.			
1650	1660				20% Sand - gray, coarse, poorly sorted with pebbles up to 1/4". 80% Clay - grayish brown.			
1660	1720				60% Sand - as above. 40% Shale - gray, firm, silty.			
1720	1750				50% Sand - as above but with fragments of fine grained buff colored sandstone. 50% Clay - soft, blue			
1750	1820				70% Sand - gray, coarse, poorly sorted. 30% Shale - gray, firm, silty.			
1820	1840				60% Sand - as above but containing fragments of fine grained buff colored sandstone. 40% Shale - gray, firm silty.			
1840	1920				70% Sand - as above. 30% Shale - as above.			
1920	1940				30% Sand - gray, coarse to medium, poorly sorted. 70% Silt - gray, firm.			
1940	1980				Clay - blue, gray, soft.			
1980	2000				20% Silt - gray and brown 80% Clay - gray, sticky.			

1. CLAY ON SHALE (INTERVIOUS). 2. CLAY ON SHALE WITH SAND (SAND 0-25%). 3. CLAY ON SHALE AND SAND (SAND 25-50%). 4. SAND WITH SHALE STRIATIONS (SAND OVER 50%). 5. S.

DITCH SAMPLES

SHELL OIL COMPANY
INDONESIA

DIVISION OF OIL AND GAS, INC.
RECEIVED

MAR 1 4 1947

LOS ANGELES, CALIFORNIA

FIELD: Bembali
LEASE: P-111a
CORR OR SPEC: *[Signature]*

YEAR ENDING: March 31, 1947
STARTED AT: 0 TO: 214
SAMPLER FROM: 0 TO: 214
ROTTEN EXAMINED BY: Rail, Loozbars

NO	FROM	TO	DEPTH - FEET	NAME OF CORE	DESCRIPTION, STRUCTURAL AND PROBABLE PRODUCTION CHARACTERISTICS OF CORE	ANALYZED BY	INDICATIONS OIL - GAS CORR OR SPEC
	2000	2027			60% Sand - Gray, coarse, poorly sorted, with fragments of fine grained buff colored sandstone. 40% Silt - firm, gray fragments. Core #1		
	2027	2047			20% Sand - gray, coarse, poorly sorted. 80% Silt and silty shale - gray and brown.		
	2047	2060			20% Sand - gray, coarse, poorly sorted. 80% Silt and silty shale - gray and brown.		
	2060	2070			40% Sand - as above. 60% Silt - gray.		
	2070	2090			50% Sand - as above but with pebbles up to 1/4". 50% Clay - gray.		
	2090	2120			90% Sand - as above. 10% Clay - gray.		
	2120	2210			90% Sand - as above. 10% Silt and silty shale - gray.		
	2210	2214			50% Sand - as above 50% Silt and silty shale - gray and brown.		

SPINDLES: 0-CLAY OR SHALE (SPIN 100%); 1-CLAY OR SHALE WITH SAND STREAKS (SAND 0-49%); 2-CLAY OR SHALE AND SAND (SAND 50-49%); 3-SAND WITH SHALE STREAKS (SAND OVER 50%); 4-SAND

[Handwritten signature]

WORKER SIGNATURE: August 23, 1946
 SAMPLED FROM 2211 TO 2653
 SAMPLED BY: H. J. Woodward

DUPON SAFER'S DIVISION OF OIL AND GAS FIELD
 SHELL OIL COMPANY RECEIVED
 INSURANCE
 MAR 14 1947
 WELLS NO. 1

NO.	DEPTH	TO	TESTY FRESH CORE SAMPLE	FRAME & SIZE BY CORE SAMPLE	FORMATION, STRUCTURAL AND PROBABLE PRODUCTIVE DESCRIPTION OF CORE	SYMBOL	OPENED BY	INDICATIONS OIL - GAS CORE OR DRY
2211	2211	2247			50% Sand - gray, coarse, poorly sorted, subangular grains. 50% Silt and silty shale - predominantly gray, some brown.			
2247	2247	2267			Core #2			
2267	2267	2400			10% Sand - gray, coarse, poorly sorted, with pebbles up to 1/4". 90% Silt - as above.			
2400	2450	2450			80% Sand - gray, coarse, poorly sorted. 20% Silt and silty shale - gray.			
2450	2510	2510			50% Sand - gray, coarse to medium. 50% Silt and silty shale - as above.			
2510	2532	2532			No samples.			
2532	2532	2552			Core #3			
2552	2665	2665			10% Sand - gray, coarse to fine. 90% Silt and silty shale - predominantly gray, some brown.			
2665	2603	2603			20% Sand - as above 80% Silt and silty shale - as above.			
2803	2823	2823			Core #4			
2823	2890	2890			5% Sand - as above. 95% Silt and silty shale - as above.			
2890	2930	2930			40% Sand - as above. 60% Silt - as above.			
2930	2910	2910			90% Sand - coarse to medium, gray, many decomposed feldspar fragments 10% Silt and clay - gray.			
2910	2920	2920			10% Sand - gray, coarse, poorly sorted with pebbles up to 1/4". Small fragments of tar sand. 90% Silt and shale - gray.			

1. CLAY OR SHALE (IMPERVIOUS). 2. CLAY OR SHALE WITH SAND STREAKS (SAND OVER 20%). 3. CLAY OR SHALE AND SAND (SAND OVER 20-50%). 4. SAND WITH SHALE STREAKS (SAND OVER 50%). 5. SAND WITH SHALE STREAKS (SAND OVER 50%).

27

WEEK ENDING March 18, 1946
 SAMPLED FROM ... TO ... 3652
 SAMPLES
 ANALYSIS EXAMINED BY ...

DITCH SUPPLIES DIVISION OF OIL AND GASFIELD (LEGAL SECTION 182)
 SHELL OIL COMPANY RECEIVED
 MARCH 14 1947
 LEASE BEHALLA
 WELL NO. 1

LOS ANGELES, CALIFORNIA
 REGIONAL, STRUCTURAL AND PROBABLY PRESENT DISPOSITION OF CORES

DEPTH	NO.	REMARKS - MARK SIZE OR CORE NUMBER	INDICATION OF CORE OR INTERVAL
2920	29950	5% Sand - gray, coarse. 95% Silt and silty shale - predominantly gray, some brown.	
2950	29710	50% Sand - as above. 50% Silt - as above.	
2970	29995	60% Sand - gray, coarse to medium, poorly sorted. Fragments of fat sand.	
2995	2015	40% Silt and shale - predominantly gray, some brown. Core #5	
3015	3120	40% Sand - gray, coarse, poorly sorted with pebbles to 1/4". Fragments of fat sand. 60% Silt and shale - gray.	
3120	3141	Not sampled.	
3141	3161	Core #6	
3161	3170	Silt and clay - gray.	
3170	3190	50% Sand - gray, coarse to medium, poorly sorted. 50% Silt and clay - gray.	
3190	3210	70% Sand - gray, coarse, with particles of fine grained brown sandstone. 30% Silt and shale - gray.	
3210	3240	20% Sand - gray, coarse, poorly sorted. 80% Silt and clay - predominantly gray, some brown.	
3240	3260	70% Sand - gray, coarse, poorly sorted with pebbles up to 1/8". 30% Silt - as above.	
3260	3297	80% Sand - gray, medium to coarse. 20% Silt - as above.	
3297	3317	Core #7	

SECTION OF CLAY OR SHALE ... (vertical text on left edge)

208

WELL NO. 10, 1947
 SAMPLED
 2211 TO 2653
 SAMPLES EXAMINED BY T.M. WOODWARD

DIVISION OF OIL AND GAS
 RECEIVED
 MAR 1 4 1947

LOS ANGELES, CALIFORNIA
 WELLS NO. 1

WELL NO.	FROM	TO	REMARKS	DEPTH OF CORE (FEET)	DETAILED DESCRIPTION OF CORE	SYMBOL	OTHERS	INDICATIONS
3317	3330				5% Sand - gray, medium grained, fragments of tar sand. 95% Silt and clay - predominantly gray, some brown.			
3330	3350				60% Sand - gray, coarse, poorly sorted, angular, pebbles up to 1/4". Tar sand fragments. 40% Silt and clay - as above.			
3360	3370				50% Sand - brown, coarse, poorly sorted. 50% Silt - as above.			
3370	3400				60% Sand - gray, coarse to medium, poorly sorted. 40% Silt - as above.			
3400	3410				50% Sand - gray, medium grained. 50% Silt - as above.			
3410	3417				Core #8			
3417	3430				10% Sand - gray, coarse. Tar sand fragments. 90% Silt and clay - predominantly gray, some brown.			
3430	3470				50% Sand - gray, coarse, pebbles up to 1/8". Tar sand fragments. 50% Silt - as above.			
3470	3490				90% Sand - gray, medium grained. 10% Silt and shale - gray.			
3490	3520				5% Sand - gray, coarse to medium. Tar sand fragments. 95% Silt and shale - predominantly gray, some brown.			
3520	3542				1% Sand - gray, coarse, fragments of buff colored sandstone. 8% Silt and clay - as above.			
3542	3553				Cores 9 to 19.			

1. CLAY OR SHALE FROM SAND STRIPS (SAND ONLY). 2. CLAY OR SHALE AND SAND (SAND ONLY). 3. SAND WITH SHALE STRIPS (SAND ONLY). 4. SAND ONLY.

[Handwritten signature]

201

WELL NO. 1
 SAMPLED 3453
 RECOVERED FROM 3453
 SAMPLES 79, 4225
 PREPARED BY B.J. Woodward

DITCH SAMPLER
 SHELL OIL COMPANY
 INCORPORATED
 LOS ANGELES, CALIFORNIA
 DIVISION OF CORE
 MAR 1 4 1947
 WILL NO. 1
 BRALLIE

NO	FROM	NO	RECOVERED	MARKS & SIZE	FORMATIONAL, STRUCTURAL AND PROBABLE PROBABLY	SYMBOL	OBSERVED	INDICATORS
3453		3779			FORMATIONAL, STRUCTURAL AND PROBABLE PROBABLY LOS ANGELES, CALIFORNIA <td></td> <td></td> <td>INDICATORS</td>			INDICATORS
					CLAY - gray and brown with green siltstone fragments.			OIL - GAS
3779		3840			CLAY - gray and brown with green siltstone fragments.			CORE OR DITCH
3840		3850			10% Sand - gray, medium to coarse, subangular. Numerous fragments of lignite.			
3850		3860			90% CLAY - gray and brown with numerous green siltstone fragments.			
3860		3870			1 1/2% Sand - gray, coarse with pebbles to 1/4".			
3870		3900			85% CLAY - as above.			
3900		3910			25% Sand - as above.			
3910		3930			75% CLAY - as above.			
3930		3950			75% Sand - gray, medium to coarse angular grains.			
3950		3970			25% CLAY - gray with numerous green siltstone fragments.			
3970		4020			Not sampled.			
4020		4057			Core #33			
4057		4077			80% Sand - gray, medium to coarse, angular grains.			
4077		4130			20% CLAY - gray, some brown.			
					70% Sand - gray, medium to coarse, with pebbles to 1/2". Numerous green siltstone fragments. Tan sand fragments.			
					30% CLAY - gray, some brown.			
					90% Sand - gray, coarse, angular pebbles to 1/4".			
					10% CLAY and silt - gray and brown.			
					80% Sand - as above but pebbles to 1/2"			
					20% CLAY and silt - as above			
					Core #34			
					90% Sand - gray, coarse, poorly sorted, angular			
					10% Silt and clay - gray. Some brown.			

SYMBOLS: 1 - CLAY OR SHALE WITH SAND STREAKS (SAND 0-25%), 2 - CLAY OR SHALE AND SAND (SAND 25-50%), 3 - SAND WITH SHALE STREAKS (SAND OVER 50%)

WORK SHEET AUGUST 25, 1946
 HARRIS
 WELL NO. 1
 SAMPLES EXAMINED 11

MINI OIL COMPANY
DIVISION OF OIL AND GAS
LOS ANGELES, CALIFORNIA

MAR 14 1947

RECEIVED

WELL NO. 1

RECEIVED
 AUG 25 1946
 HARRIS

NO	FROM	TO	DEPTH, FEET	DATE & SIZE OF SAMPLE	FORMATION, STRUCTURE AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	DEPTH OF	INDICATOR OIL - GAS CORE OR DIPOLE
4130		4160			80% Sand - as above but pebbles to 1/4". 20% Silt and clay - gray, brown and green.			
4130		4160			80% Sand - as above but pebbles to 1/4". 20% Silt and clay - gray, brown and green.			
4140		4170			60% Sand - gray, coarse, poorly sorted. 40% Silt and clay - gray, brown and green.			
4170		4200			Not sampled			
4200		4210			50% Sand - as above. 50% Silt and clay - as above.			
4210		4225			Not sampled.			

1-C.LAY OR SHALE (UNDESIGNED). 2-C.LAY OR SHALE WITH SAND STREAKS (SAND 0-25%). 3-C.LAY OR SHALE AND SAND (SAND 25-50%). 4-SAND WITH SHALE STREAKS (SAND OVER 50%).

WELL NO. 1
 SECTION OF
 SAMPLE NO. 432
 SAMPLED
 GENERAL EXAMINED BY J.J. Woodward

DIVISION OF OIL AND GAS
 RECEIVED
 MAR 1 4 1947
 FIELD OFFICE
 BEALLIE

LOS ANGELES, CALIFORNIA

WELL NO.	SECTION	SAMPLE NO.	GENERAL EXAMINATION	STRUCTURAL, STRATIGRAPHIC AND MINERALOGICAL DESCRIPTION	WELL NO.	SECTION	SAMPLE NO.	GENERAL EXAMINATION
4225	4215		Core #35					
4215	4270		50% Sand - gray, coarse, poorly sorted with pebbles to 1/2"					
			50% Silt - gray fragments					
4270	4330		40% Sand - gray, coarse, angular					
			60% Silt and Shale - gray silt fragments, black shale fragments					
4330	4365		50% Sand - gray, some brown sandstone fragments, pebbles to 1/4"					
			50% Silt, Clay and Shale - gray and black					
4365	4385		Core #36					
4385	4410		40% Sand - gray, medium to coarse					
			60% Silt - gray and green fragments					
4410	4430		30% Sand - as above					
			70% Silt - gray fragments with black specks					
4430	4440		10% Sand - as above					
			90% Silt - as above					
4440	4490		30% Sand - as above but pebbles to 1/4"					
			70% Silt - as above					
4490	4527		10% Sand - gray, medium to coarse grained					
			90% Silt - gray fragments with black specks					
4527	4547		30% Sand - as above					
			70% Silt - as above					
4547	4560		Core #37					
			Not Sampled					

1-CLAY OR SHALE (IMMEDIATE); 1-CLAY OR SHALE WITH SAND STRIATIONS (SAND 0-25%); 2-SAND WITH SHALE STRIATIONS (SAND OVER 50%); 3-SAND WITH SHALE STRIATIONS (SAND OVER 50%)

WELL NO. 1
 1925 M 4212

WELL NO. 1
 1925 M 4212

RECEIVED
 MAR 14 1947

WELL NO. 1
 1925 M 4212

LOS ANGELES, CALIFORNIA

WELL NO. 1
 1925 M 4212

FORMATIONAL, STRUCTURAL AND STRATIGRAPHIC CORRELATION OF CORE

WELL NO. 1
 1925 M 4212

WELL NO. 1
 1925 M 4212

DEPTH	NO.	REMARKS	PERCENTAGE OF SAND	PERCENTAGE OF SILT	PERCENTAGE OF CLAY	REMARKS
4560	4630		30% Sand - as above with occasional pebbles to 1/16"	70% Silt - as above		
4630	4660		5% Sand - as above	95% Silt - as above		
4660	4672		Not Sampled			
4672	4712		Core: #34 and 37			

1. CLAY OR SHALE (IMPURE); 2. CLAY OR SHALE WITH SAND STREAKS (SAND 2-25%); 3. CLAY OR SHALE AND SAND (SAND 25-50%); 4. SAND WITH SHALE STREAKS (SAND OVER 50%); 5. SAND

WELL NUMBER: 2130
 DATE: September 1, 1946
 SAMPLED BY: [unclear]
 ANALYSIS: [unclear]
 CORES REMAINED BY: [unclear]

DIVISION OF OIL AND GAS
 HUNT OIL AND GAS COMPANY
 RECEIVED
 MAR 14 1947
 LOS ANGELES, CALIFORNIA

WELL NO. 1
 FIELD: [unclear]
 LEASE: [unclear]

NO	FROM	TO	DEPTH FEET	DIAMETER OF CORE SAMPLE	FORMATIONAL, STRUCTURAL AND PROBABLE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	CHIPPED BY	INDICATIONS OIL - GAS CORE OR DITS
10	2390		3'	1-1/2" x 6"	Comglomeritic Sand - Gray, crumbly, poorly sorted, pebbles to 1/4", fine matrix, heavy decomposed granitic fragments No cut or odor			No cut or odor
11	2320		3'	1-1/2" x 6"	Same as above			No cut or odor
12	2130		6'	1-1/2" x 6"	Silt - Gray, friable, impervious No cut or odor			No cut or odor

1. CLAY OR SHALE WITH SAND STREAKS (SAND OVER 50%). 2. CLAY OR SHALE AND SAND (SAND LESS THAN 50%). 3. SAND WITH SHALE STREAKS (SAND OVER 50%). 4. SAND OR SHALE (SAND OVER 50%). 5. CLAY OR SHALE WITH SAND STREAKS (SAND OVER 50%). 6. CLAY OR SHALE AND SAND (SAND LESS THAN 50%). 7. SAND WITH SHALE STREAKS (SAND OVER 50%). 8. SAND OR SHALE (SAND OVER 50%). 9. CLAY OR SHALE WITH SAND STREAKS (SAND OVER 50%). 10. CLAY OR SHALE AND SAND (SAND LESS THAN 50%). 11. SAND WITH SHALE STREAKS (SAND OVER 50%). 12. SAND OR SHALE (SAND OVER 50%).

SAMPLE NO. 1966
 SAMPLE NO. 2130
 SAMPLES EXAMINED BY P. J. Woodward

HOME STORE AND SAMPLE
 SHELL OIL COMPANY
 DIVISION OF OIL AND GAS
 RECEIVED
 MAR 14 1947
 LOS ANGELES, CALIFORNIA

FIELD NO. 1
 INDICATIONS
 OIL - GAS
 CORE OR EVIDENCE

SNOW	NO.	REGION	NAME OF SITE OR CORE NUMBER	FORMATION, STRUCTURAL AND MINERAL PROPERTIES	STREAK	ODOR	INDICATIONS
4656	20	1-1/SW60		Silty Sand - gray, crumbly to friable, medium to fine grained, poor sorting, abundance of decomposed feldspar fragments, micaceous. No cut or odor		No cut or odor	
4654	40	1-1/SW60		Same as above		No cut or odor	
4290	20	1-1/SW60		Silty Sand - gray, friable, fine grained with silty matrix. No cut or odor		No cut or odor	
3475	2-1/2	1-1/2 SW 60		Conglomeratic Sand - gray, friable, poorly sorted with angular pebbles to 1/8", fine matrix, many decomposed granitic fragments. No cut or odor		No cut or odor	
3250	20	1-1/SW60		Conglomeratic Sand - gray, friable to firm, poorly sorted with angular granitic fragments to 1/2", fine matrix. No cut or odor		No cut or odor	
3230	10	1-1/2 x 6"		Conglomeratic Sand - same as above but having thin streaks of gray clay. No cut or odor		No cut or odor	
2900	20	1-1/SW60		Conglomeratic Sand - gray, friable to firm, poorly sorted with granitic pebbles and fragments to 1/2". No cut or odor		No cut or odor	
2870	40	1-1/SW60		Sand - gray, friable, medium to fine grained, streaks of silt and clay. No cut or odor		No cut or odor	
2420	60	1-1/2 x 6"		Silt - gray, firm, friable on edges, impervious. No cut or odor		No cut or odor	

1. CLAY OR SHALE (IMPURITIES); 2. CLAY OR SHALE WITH SAND STREAKS (SAND 0-25%); 3. SAND WITH SHALE STREAKS (SAND OVER 25%); 4. SAND WITH SHALE STREAKS (SAND OVER 50%)

WELL NO. 1000
 CORE FROM 247 TO 247
 CORE EXAMINED BY R. J. Thompson

SHRILL OIL COMPANY
 DIVISION OF OIL AND GAS
 RECEIVED
 LOS ANGELES, CALIFORNIA
 MAR 1 4 1947

FROM TO FROM TO
 247 247 18 9-1/2

DEPTH OF CORE FEET
 18 9-1/2
 21 6

DESCRIPTION OF CORE
 18-21/21
 Sandstone shell
 Silty - gray, firm friable on edges, massive but having streaks of fine to silty sand, suggested gross-bedding, impervious. Good bedding plane dip at 21, approximately 8 feet from top. Interspersed with carbonized plant remains, occasional microfossils.

STATION DEPTH OF CORE

REMARKS

1. CLAY OR SHALE WITH SAND (BASE 0.25%); 2. CLAY OR SHALE AND SAND (BASE 0.25%); 3. SAND WITH SHALE REMAINS (BASE 0.25%); 4. SAND WITH SHALE REMAINS (BASE 0.25%)

WELL NO. 2652

DATE RECEIVED 12-1946

RECEIVED BY H.L. Hayward

STANDARD OIL COMPANY
DIVISION OF OIL AND GAS
CORE RECORD

MAR 14 1947

LOS ANGELES, CALIFORNIA

RECEIVED WELLS NO. 1

DEPTH	LOG	PERCENT SAND	PLANE OF STRATIFICATION	DESCRIPTION AND PROBABLE PRODUCTIVE DEPTH OF CORE	DIP	REMARKS	INDICATED OIL OR GAS CONTENT OF CORE
2532	2532	20%	9-7/8"	20' Silt - gray, firm, friable on edges, massive but having thin streaks of fine sand and brown silt. Impervious. Good bedding plane dip of 22° approximately 7' from bottom of core. Thin bed of clay shale nodules 8' from bottom. 10" flash at top of barrel. Burned with 2" to 4" flame for approximately 10 seconds while extracting. No odor, no color either carbon tetrachloride or acetone. Megafossils abundant, forams common. Some carbonaceous matter.	22°	Flash - no odor or color	
2532	2532	20%	9-7/8"	1' Clay - green and gray, sticky, cross-bedded with streaks of fine sand.		Flash - no odor, or color	
2532	2532	20%	9-7/8"	7' Silt - gray, crumbly to firm, extreme crossbedding, streaks of gray and green clay, fine sand and rounded granitic pebbles. Fair dips of from 10 to 22°. Occasional megafossils.	10/22°		
2532	2532	20%	9-7/8"	1' Carbonaceous Sand - gray, scarcely consolidated, crumbly, massive poorly sorted with rounded pebbles up to 1/2". One 2" rounded decomposed granitic pebble at top of sand.			
2532	2532	20%	9-7/8"	7' Silt - gray, firm to hard, friable on edges, massive, impervious. Occasional megafossils and poorly preserved forams. 16" flash at bottom of barrel. Burned for approximately 1/2 seconds while extracting. No odor, no color.			
2532	2532	20%	9-7/8"	21' Silt - gray, firm, friable on edges, massive but having occasional streaks of fine sand, brown silt and hard shale, impervious. Good bedding plane dips of 21°. Poorly preserved forams common.	21°	Flash - no odor or color	

STANDARD OIL COMPANY, LOS ANGELES, CALIFORNIA

LOG NO. 2247
 NO. 3451
 SHELL OIL COMPANY

CORE RECORD

DIVISION OF OIL AND GAS
 RECEIVED
 MAR 1 4 1947
 LOS ANGELES, CALIFORNIA

RECORDED
 INDEXED

DEPTH	NO.	SECTION	DIAMETER	DESCRIPTION	SYMBOL	DEPTH	REMARKS
3297	3317	10'	9-7/8"	hard		18/21"	Flash - no odor, no cuts
3512	3532	2'	9-7/8"	hard			Flash, amber cut, oil odor
3512	3572	1 1/4'	7-5/8"	Dunlap large lino			No flash, or odor
3512	3592	9'	7-5/8"	Amalap lino line		170	Flash, good odor, amber

1. SANDSTONE WITH SAND STRIATIONS (SAND 5-8%), 2. CLAY OR SHALE AND SAND (SAND 25-30%), 3. SAND WITH SHALE STRIATIONS (SAND 5-10%)

ORDER NO. 2541 TO 1653
 ORDER NUMBER BY Ref. Forward

DIVISION OF OIL AND GAS
 RECEIVED
 CORP. RECORD MAR 1 4 1947
 LOS ANGELES, CALIFORNIA

WELL NO. 1
 CORE NO. 1
 SHELL OIL COMPANY
 RECEIVED
 MAR 1 4 1947
 LOS ANGELES, CALIFORNIA

DEPTH	LOG	DEPTH	REMARKS	REMARKS	REMARKS	REMARKS
16	3636	3645	5'	1' Shale - as above. 4' Oil Sand - brown, friable, massive, fine to coarse grained with		Flash, oil amber cuts
17	3626	3636	8'	1' Shale - gray, firm to hard, impervious. Slight odor, no cut. 6 1/2' Oil Sand - brown, friable, massive, fine to coarse grained with silty matrix. Larger grains angular. Good oil odor, amber cuts, 12" flash at bottom of barrel, burned vigorously while extracting approximately 70 seconds. 1' Shale - gray, hard, siliceous, impervious. Slaking on vertical shear plane - movement horizontal. No cuts, slight odor. 1' Shale - as above. 1' Oil Sand - brown, friable, massive, fine to coarse grained with		Flash, oil amber cuts.
18	3616	3626	5'	1' Shale - as above but some oil on cleavage planes. 1' Silty sand - brown, firm to friable, fairly well bedded with streaks of fine sand. Amber to dark amber cuts, good oil odor, 12" flash from top of barrel, 24" flash from bottom, burned vigorously for approximately 60 seconds with 12/18" flame while extracting. 1' Shale - gray, hard, siliceous, impervious. No odor, no cuts. 1' Shale - as above.		Flash, oil amber to dark amber cuts.
19	3602	3611	0'	7-5/8" Dualay fine line No Recovery.		Flash, oil dark amber
20	3592	3602	0'	7-5/8" Dualay fine line No Recovery.		Flash, oil cuts, oil odor

1 - CLAY OR SHALE WITH SAND STREAKS (SAND 0-50%). 2 - CLAY OR SHALE AND SAND (SAND 50-99%). 3 - SAND WITH SHALE STREAKS (SAND OVER 50%). 4 - SAND

WEEK ENDING August 18, 1946

CORE NO. 2652 TO 2653

LOGS EXAMINED BY H. L. LOGGARD

SHELL OIL COMPANY DIVISION OF OIL AND GAS
RECEIVED
CORRE RECORD MAR 1 4 1947
LOS ANGELES, CALIFORNIA

SPRM	TO	DEPTH- FEET	NAME OF CORE SAMPLE	FORMATIONAL, STRUCTURAL AND PROBABLE PROBABLY IDENTIFYING INFORMATION	SPRM	DEPTH- FEET	REMARKS	REMARKS
3643	3653	8'	7-5/8" Dunlap wire line	7' Oil Sand -- brown, friable, massive, fine to coarse grained with occasional pebbles up to 3/8". 1' Sandstone shell -- gray, hard. Good oil odor, amber cuts, flash similar to Core #18. Some free oil.				Flash, oil amber cuts

SYMBOLS: C-CLAY OR SHALE (UNSATURATED); I-CLAY OR SHALE WITH SAND STREAKS (SAND 0-15%); E-CLAY OR SHALE AND SAND (SAND 15-30%); B-SAND WITH SHALE STREAKS (SAND OVER 30%); S

WELL LOG NUMBER: W-2-1914
 CORRECTION FROM: 4652 TO: 4295

WELLS DRILLED BY: W.A. ROSS

WELL RECORD LOS ANGELES, CALIFORNIA NO. 1

DIVISION OF OIL AND GAS
 RECEIVED
 SHELL OIL COMPANY
 MAR 1 4 1947
 HEADQUARTERS

FROM	TO	DEPTH FEET	MATERIAL CORRECTION	FORMATION, STRUCTURAL AND PRODUCTIVE PRODUCTIVITY DESCRIPTION OF CORE	SYMBOL	DESIGNED TOP	INTERPRETATION OF LOG
3453	3463	9'	7-5/8" Drill Pipe Wire Line	2' Sandstone shell 7' Oil sand - brown, crumbly, massive, coarse grained with occasional angular pebbles up to 1/2", fine to silty matrix. Good oil odor, amber cuts, 18" flash from top of barrel - burned approximately 20 seconds while extracting.			Flash, oil odor, amber cuts.
3463	3473	10'	"	6' Oil sand - brown, crumbly, massive, coarse, to fine grained, streaks of sandy clay containing thin, veins of sandy material with pyrite inclusions. Good oil odor, amber cuts, some free oil, 24" flash at top of core barrel - burned approximately 15 seconds while extracting. 1' Sand - gray, hard, impervious. No odor, no cuts.			Flash, oil odor, amber cuts.
3473	3583	21'	"	2' Oil sand - brown, crumbly, massive but having streaks of hard gray silty sand, coarse grained with fine matrix. Good oil odor, straw to light amber cuts, 18" flash at bottom of barrel - burned approximately 10 seconds while extracting. 1' Sandstone shell - good dip of 33° 6 1/2' Oil sand - light brown color, crumbly, massive, medium to fine grained. Slidensiding along shear planes, sections indicate last movement vertical. Good oil odor, straw to light amber cuts, 12" flash from top and bottom of barrel - burned approximately 10 seconds while extracting. 1' Sand - gray, crumbly, medium to fine grained, slickensiding along shear planes. Slight oil odor, no cuts.			Flash, oil odor, straw to light amber cuts.
3583	3693	31'	"	7' Oil sand - light brown color, crumbly, massive, poorly sorted ranging from silt to 1/4" angular fragments. Good oil odor, straw to light amber cuts, 12" flash from top and bottom of barrel. 8' Oil sand - light brown, crumbly, massive, poorly sorted, coarse grained with 1/4" angular pebbles, minor streaks of gray sand with clay matrix. Sand or silty matrix. Good oil odor, light straw to amber cuts, 4" flashes at top and bottom of barrel - burned intermittently while extracting, a total of approximately 5 seconds.			Flash, oil odor, straw to light amber cuts.

STANDARD FORM NO. 704 - REVISION 1-1946

SHALE OIL COMPANY
 DIVISION OF OIL AND GAS
 RECEIVED
 MAR 1 4 1947
 LOS ANGELES, CALIFORNIA

NO.	NO.	DEPTH - FEET	DEPTH - FEET	DESCRIPTION OF CORE	REMARKS	REMARKS
27	3723	3733	10'	"	"	"
28	3733	3733	9'	7-1/2" / 8" Dull No odor	3' Siltstone - green, hard, siliceous, minor streaks of coarse angular sand, poorly sorted, impervious. No cut, faint oil odor. 6' Oil sand - light brown, crumbly, massive, poorly sorted with grains ranging from fine to coarse, powdery matrix. Strong to light amber cuts, good oil odor, 12" flash at top of barrel - burned approximately 40 seconds while extracting.	Flash, oil odor, strong to light amber cuts.
29	3723	3733	10'	"	2' Oil sand - lithology, cuts, flash and odor as above. 8' Siltstone - green, firm to hard, massive, poorly sorted, clay like in part, sandy in part, impervious. Slidkensiding on vertical shear planes, striations indicate last movement horizontal. No cut, no odor.	Flash, oil odor, strong to light amber cuts.
30	3753	3763	6'	"	3' Siltstone - lithology as above. 2' Oil sand - light brown, crumbly, massive, medium to fine grained with powdery matrix, minor streaks of grey sand, strong to light amber cuts, good oil odor, 12" flash at top of barrel - burned approximately 20 seconds while extracting.	Flash, oil odor, strong to light amber cuts.
31	3763	3773	6'	"	3' Siltstone - brown, firm, poorly sorted, sandy in part, impervious. No cut, faint oil odor. 2' Oil sand - lithology as in Core #28, amber cuts, good oil odor, 6" flash at top of barrel, burned approximately 10 seconds while extracting.	Flash, oil odor, strong to light amber cuts.
32	3763	3773	6'	"	3' Sand - gray, crumbly, massive, medium to fine grained, powdery matrix, minor streaks of brown sand. No cut, faint oil odor. 4' Sand - grey, firm to hard, siliceous, massive, poorly sorted, grains ranging from fine to coarse. No cut, faint oil odor, flash observed by driller.	Flash, no oil odor, faint oil odor.
33	3763	3773	6'	"	5' Siltstone - green, hard, massive, poorly sorted, sandy in part, impervious. Considerable slickensiding along shear planes. Some carbonaceous matter. No cuts, no odor. 6' Siltstone - lithology same as above. No flash, cuts or odor.	No flash, no odor.
34	3763	3773	10'	"	10' Siltstone - lithology same as above. No flash, cuts or odor.	No flash, no odor.

SHALE OIL COMPANY
 DIVISION OF OIL AND GAS
 RECEIVED
 MAR 1 4 1947
 LOS ANGELES, CALIFORNIA

WEEK ENDING AUGUST 25, 1946

CORED FROM 1032 - 10 - 4225

CORES EXAMINED BY H. J. Woodward

SHELL OIL COMPANY
RECORDED

CORE RECORD

MAR 14 1947

LOS ANGELES, CALIFORNIA

DIVISION OF OIL AND GAS

RECEIVED

WELL NO. 1

DATE 8/25/46

FROM	TO	DEPTH FEET	MARKER IN FEET CORRECTION	FORMATION, STRUCTURAL AND PRODUCTIVE DESCRIPTION OR SPECS	REMARKS	DESIGNED DIP	REMARKS OIL - GAS CORRECTION
3910	3920	14	9-7/8" Silver	8' <u>Conglomeratic sand</u> - Gray, hard, silicious with minor calcareous streaks, top 3' has numerous thin streaks of coaly material with pyrite incrustations, bottom 5' massive, crossbedding common, poorly sorted with pebbles up to 1/2", impervious. Good dips of 40/42°.		40/42°	No flash, or odor
4057	4077	121	9-7/8" Silver	A' Sandstone shell 8' <u>Conglomeratic sand</u> - Grey, friable to hard, poorly sorted, top 4' has coarse matrix with sub-angular pebbles up to 1/2", bottom 4' streaks of lignite with pyrite incrustations, extreme crossbedding, top 4' probably salt water bearing, bottom 4' impervious. Suggested dips 30/35°.		30/35°	No flash, or odor

RECORDED ON STRIP WITH SAND STRAINS (WELL NO. 1), 2 CLAY ON STRIP AND CORE (WELL NO. 1), 3 SAND ON STRIP WITH SAND STRAINS (WELL NO. 1), 4 SAND ON STRIP WITH SAND STRAINS (WELL NO. 1)

REPORT NUMBER: September 1, 1946

WELL NAME: 4323 70 4712

CORRECTION MADE BY: H. J. Woodward

SHELL OIL COMPANY DIVISION OF OIL AND GAS
 LOS ANGELES, CALIFORNIA

CORE RECORD

MAR 14 1947

LEASE: Dredge

WELL NO. 1

FORMATIONAL, STRUCTURAL AND PROBABLY PRODUCTION DESCRIPTION OF CORE

NO.	FROM	TO	DEPTH - FEET	THICKNESS OF SECTION	DESCRIPTION OF CORE	DIP	REMARKS
4323	4245	20'	9-7/8"	Bed	20' Sandy silt - gray, hard, fairly well bedded, in part thinly laminated, streaks of silty sand and carbonaceous matter, some crossbedding, impervious, good dips of 31°. Carbonaceous matter abundant, poorly preserved megafossils rare, 6" flash at top of barrel, three 4" flashes while extracting. No cuts or odor.	31°	No flash, no odor
4368	4386	14'	9-7/8"	Calves	14' Silt - dark gray, very hard, calcareous in part, fairly well bedded, streaks and spots of fine sand, some crossbedding, impervious fair dips of 40°. Coaly material common, abundance of small particles of carbonaceous matter gives core speckled appearance, megafossils common. No flash, cuts or odor.	40°	No flash, cuts or odor
4323	4547	16'	9-7/8"	Bed	16' Silt - dark gray, very hard, fairly well bedded, thin streaks and spots of sand, several thin streaks of conglomeration with pebbles to 1", thin streaks of coaly material with pyrite inclusions, numerous calcite veins, crossbedding common, impervious, minor silicification along fracture planes. Poor abundance of small particles of carbonaceous matter gives core speckled appearance, megafossils abundant, microfossils common. No flash, cuts or odor.	35/40°	No flash, cuts or odor
4572	4692	0	9-7/8"	Reed	No recovery		
4692	4712	20'	9-7/8"	Reed	20' Shaly silt - dark gray, very hard, massive but having thin streaks and spots of sand, several calcite veins, impervious, minor silicification along fracture planes. Suggested dips of 30/35°. Abundance of small particles of carbonaceous matter gives core speckled appearance, occasional megafossils, borings rare. No flash, cuts or odor.	30/35°	No flash, cuts or odor

DIRECTIONS: 1-CLAY OR SHALE (IMPROVED); 1-CLAY OR SHALE WITH SAND STREAKS (SAND 2-3%); 2-CLAY OR SHALE AND SAND (SAND 2-5%); 3-SAND WITH SMALL STREAKS (SAND OVER 50%); 4-SAND



SHELL OIL COMPANY
INCORPORATED

DIVISION OF OIL AND GAS
RECEIVED
SEP 4 1946

LOS ANGELES, CALIFORNIA

P.O. Box 691
Ventura, California
September 3, 1946

Division of Oil and Gas
629 South Hill Street
Los Angeles, California

Attention: Mr. Barton

Dear Sir:

On September 2, 1946, we tested the water shut off on our Braille Institute No. 1 well in the Newhall Area with Mr. R. Woodward, engineer, C. Hansen, drilling foreman and D.R. Catchings, driller present. Details are as follows:

1. 10-3/4" casing cemented at 327' on 8-5-46 with 300 sacks of cement.
2. 5-1/2", 17# casing was cemented at 3735' in 9-7/8" hole with 600 sacks of cement on 9-1-46.
3. The top of cement was located at 3687' and the casing tested at 1500# for 15 minutes without loss. No cement was cleaned out.
4. Four 1/2" holes were gun perforated at 3620' by M.O. Johnston Oilfield Service Corporation.
5. A Johnston casing tester packer was set at 3584' with a 18'+ tailpiece below, 3/8" bean, no water cushion. After opening valve at 2:48 A.M., on 9-3-46 there was a light steady blow for three minutes, a faint blow for 27 minutes and no blow for the balance of a 45 minute test. Recovered 210' of fluid, equivalent to slightly less than a barrel in 2" tubing, the top 120' being rotary mud and the remaining 90' being gas cut rotary mud. The pressure bomb chart showed a bottom hole pressure of 25# throughout the test, indicating that the valve was open. The annulus between the casing and tubing remained full of mud throughout the test.

Yours very truly,

SHELL OIL COMPANY,
Incorporated

F.R. Schmieder, Manager
Coastal Division, Production



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629 South Hill Street
Los Angeles 14, California
August 12, 1946.

Shell Oil Company, Incorporated,
P. O. Box 691,
Ventura, Calif.

Attention Mr. J. L. Arthur

Gentlemen:

I am in receipt of your notice dated August 7, of intention to drill well No. "Braille Institute" 1, in Sec. 11, T. 3 N., R. 16 W., S. B. B. & N., Los Angeles County. This notice and our records have been corrected to show the well in Sec. 2, Newhall oil field. Please correct your copy of the notice accordingly.

Yours truly,

E. H. Musser
EHB

Deputy Supervisor.

CLB:ams

CC - Mr. R. D. Bush (2)

Corrections Made as Follows:	By Whom
Form 114	✓ <i>E. H. Musser</i>
" 115	✓ <i>E. H. Musser</i>
" 121	✓ <i>E. H. Musser</i>
" 143	
Cards	
Production Reports	
Well Records (Sockets	
(Reports	
Field Maps	✓
Map Book	✓

Map OK JLW.

Place Los Angeles, Calif.

Date March 3, 1950

REPORT OF PROPERTY AND WELL TRANSFER

Former Owner H. T. Wyatt, Mrs. H. T. Wyatt, Edward A. Pellegrin, Carl Ann Pellegrin

Description and list of wells: "Dwelling" 1

Sec. 2, T. 3 N., R. 16 W., S. 4 B. & M., North field,

New Owner H. B. Watkins, Date December 1, 1949

Address 3916 Atlantic Avenue, Long Beach 7, Calif.

Request for designation of agent for Los Angeles County should be sent to H. B. Watkins, address: see above

Reported by: H. T. Wyatt, et al (Letters December 20, 1949 and January 26, 1950)

Confirmed by: H. B. Watkins (Letter January 23, 1950)

Type of Organization Individual
(individual, partnership, corporation, etc.)

Our records are being changed accordingly.

cc- Mr. H. B. Bush (2)
H. Cooley

[Signature]
Deputy Supervisor

Corrections Made as Follows:	By Whom
Form 114	
" 115	✓ F.B.
" 121	✓ G.B.
" 148	✓ S.B.
Cards	✓
Production Reports	✓
Well Records (Folders)	✓ G.B.
Well Records (Reports)	✓
Field Maps	18A JLU
Man D. S.	JLU

PACIFIC DRILLING COMPANY

OIL WELL DRILLING CONTRACTOR

3516 ATLANTIC AVENUE

PHONE 403-475

LONG BEACH 7, CALIFORNIA

February 23, 1950

RECEIVED
FEB 24 1950

LOS ANGELES

State of California
Department of Natural Resources
Division of Oil & Gas
1015 Olympic Blvd., Los Angeles, 15, Calif. ATTN:MR. C. L. BARTON

Gentlemen:

In reply to your letters of December 29, and February 20, at the receipt of the first letter, the legal details had not been completed on the purchase of the Braille #1 Well. However they have since been completed and are in the hands of the Attorney or in the process of being recorded.

The effective date of the sale was December 1, 1949. For the time being the well will remain in its present condition.

Yours very truly,


R. B. Watkins R.B.

FOLLOW-UP

3/6

1015 W. Olympic Blvd.
Los Angeles 15, California
February 20, 1950

Mr. R. B. Watkins
3516 Atlantic Avenue
Long Beach 7, California

Dear Sir:

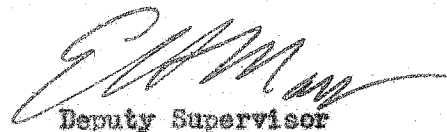
On December 29, 1949 I wrote you the following letter:

"Mr. H. T. Wyatt has informed me that as of December 1, 1949, the well carried in my records as H. T. Wyatt, Mrs. H. T. Wyatt, Edward A. Pellegrin, Opal Mae Pelligrin well No. "Braille" 1, Sec. 2, T. 3 N., R. 16 W., S. B. B. & M., Newhall field, was sold to you.

"Will you please write a letter to this office as soon as possible informing me if this is correct and, if so, verifying the effective date of the transfer. Please also inform me what your plans are for this well. The enclosed questionnaire should be completed and returned with your reply."

Will you please let me hear from you without further delay.

Yours truly,



Deputy Supervisor

Note: Address reply to attention
of Mr. C. L. Barton

jc

H. T. WYATT
422 WEST SIXTH STREET
LOS ANGELES

RECEIVED
JAN 27 1950
LOS ANGELES, CALIFORNIA

January 26, 1950

State of California
Department of Natural Resources
Division of Oil and Gas
1015 West Olympic Boulevard
Los Angeles 15, California

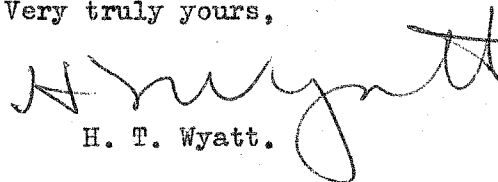
Gentlemen:

Please be advised that effective December 1, 1949, the well known as Braille #1 at Newhall was sold by Wyatt, Pellegrin, et al to Mr. R. B. Watkins, and final settlement has now been completed.

In the future, all correspondence concerning this well should be mailed to Mr. Watkins at the following address:

c/o Pacific Drilling Company,
3516 Atlantic Avenue,
Long Beach, California.

Very truly yours,



H. T. Wyatt.

H. T. WYATT
422 WEST SIXTH STREET
LOS ANGELES

December 20, 1949

DEPARTMENT OF OIL & GAS
RECEIVED
DEC 22 1949
LOS ANGELES, CALIFORNIA

State of California
Department of Natural Resources
Division of Oil and Gas
1015 West Olympic Boulevard
Los Angeles 15, California

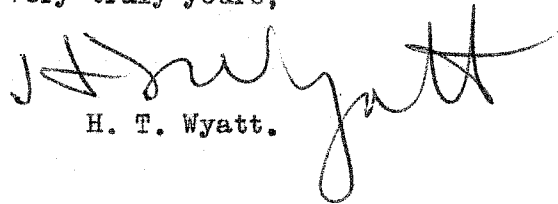
Att: Mr. C. L. Barton

Gentlemen:

I regret that I have not been able to reply satisfactorily to your request of November 21 for designation of agent.

The well which we operated has been sold to Mr. R. B. Watkins as of December 1, and I have delayed advising you until the close of escrow. It now appears that the matter will be disposed of in the next few days, and no doubt you will be hearing from Mr. Watkins in this regard.

Very truly yours,


H. T. Wyatt.

Renwick

Place Los Angeles

Date September 27, 1949

REPORT OF PROPERTY AND WELL TRANSFER

Former Owner Aurora Corporation

Description and list of wells: "Braille" 1

Sec. 2, T. 3 N., R. 16 W., S. D. B. & M., Newhall field,

New Owner H. T. Wyatt, Mrs. H. T. Wyatt, Date September 6, 1949

Address Edward A. Pellegrin, Opal Mae Pellegrin
422 West Sixth Street, Los Angeles 14, c/o Mr. H. T. Wyatt

Request for designation of agent for Los Angeles County should be sent
to _____, address: _____

Reported by: H. T. Wyatt, for both operators (Letter dated 9-8-49)

Confirmed by: _____

Type of Organization partnership
(individual, partnership, corporation, etc.)

Our records are being changed accordingly.

my
cc - M. Cooley

Corrections Made as Follows	By Whom
Form 114	
" 115	
" 121	
" 148	
Cards	
Production Reports	
Well Records (Folders	
(Reports	
Field Maps	
Map Book	

R. H. Mues
Deputy Supervisor

189 JKW
JKW

AURORA CORPORATION
ROOM 501
555 SO. FLOWER STREET
LOS ANGELES 13, CALIFORNIA
VAndike 4659

DIVISION OF OIL & GAS
RECEIVED
SEP 9 - 1949

LOS ANGELES, CALIFORNIA


September 8, 1949

State of California
Department of Natural Resources
Division of Oil and Gas
1015 West Olympic Boulevard
Los Angeles, 15, California

Gentlemen:

Aurora Corporation was dissolved as of September 6, 1949, and the well known as Braille #1 has been vested in the following persons:

H. T. Wyatt
Mrs. H. T. Wyatt
Edward A. Pellegrin
Opal Mae Pellegrin

In the future any correspondence regarding this well should be directed to Mr. H. T. Wyatt, 422 West Sixth Street, Los Angeles 14, California. 

Very truly yours,

AURORA CORPORATION

H. T. Wyatt
H. T. Wyatt

Tr. 9211

State of California
 Department of Natural Resources
 DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Los Angeles 15, Calif., September 10, 19 47.

Mr. H. T. Wyatt,
 422 West Sixth Street,
 Los Angeles 14, California.

Agent for Aurora Corporation.

Dear Sir:

Your request dated September 8, 19 47, relative to change in designation of well ~~(s)~~ in the Neutali field, District No. 1, has been received; and in accordance with Section 3203, Chapter 93, Statutes of 1939, reading in part as follows:

"... The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by section 3203, shall not be changed without first obtaining a written consent of the Supervisor."

the proposed change in designation is hereby authorized as follows:

Sec. 2, T. 1 N., R. 16 W., S. 8, N. 4 E.

Well No. "Braille Institute" 1 will hereafter be known as well No.

"Braille" 1.

CORRECTIONS MADE AS FOLLOWS:	BY WHOM
FORM 114	
" 115	
" 121	<i>[Signature]</i>
" 123	
CARDS	
PRODUCTION RECORDS	<i>[Signature]</i>
WELL RECORDS (FIELD)	<i>[Signature]</i>
FIELD MAPS (REPORTS)	
MAP BOOK	<i>P.W.B.</i>

Yours truly,

R. D. BUSH
 State Oil and Gas Supervisor

By E. H. Messer
 Deputy Supervisor *[Signature]*

cc - Mr. R. D. Bush (2)
 - Mrs. M. Cooley
 - Company

REPORT OF PROGRESS UNDER CONTRACT NO. 1-67-010-0001

Contract No. 1-67-010-0001
Date: 10/1/67

Your report dated 9/11/67 relative to change in basic
number of cells in the _____
has been received, and in accordance with Section 5002, Chapter 35, Statutes of
1952, reading in part as follows:

"The number of determinations by which any cell
has been identified has been known, and the number
of determinations identified for any cell as a series
of cells in a series for section 5002, shall not be
counted without first changing a certain number
of the determinations."

The proposed change in basic number of cells is as follows:

1-67-010-0001
Date: 10/1/67

1-67-010-0001
Date: 10/1/67

AURORA CORPORATION
ROOM 501
555 SO. FLOWER STREET
LOS ANGELES 13, CALIFORNIA
VAndike 4659

DIVISION OF OIL AND GAS
RECEIVED
SEP 8 - 1947

LOS ANGELES, CALIFORNIA

September 8, 1947

Division of Oil and Gas
State of California
Department of Natural Resources
1015 West Olympic Boulevard
Los Angeles 15, Calif.

Attention - Mr. J. L. White

Gentlemen:

Referring to your letter of September 5th, and
return herewith American Surety Company of New York Bond No.
18-471-399 to which the corporate seal has been affixed.

We request that the designation of Braille Institute
1 be changed to Braille 1.

Yours very truly,

AURORA CORPORATION,

By. 

Place Los Angeles

Date June 5, 1947

REPORT OF PROPERTY AND WELL TRANSFER

Former Owner Drilling & Production Co.

Description and list of wells: "Braille Institute" 1

Sec. 2, T. 3 N., R. 16 W., S.E. B. & M., Newhall field,

New Owner Aurora Corporation, Date April 30, 1947

Address 555 South Flower Street, Room 501, Los Angeles 13

Request for designation of agent for _____ County should be sent
to _____, address: _____

(designation of agent form attached)

Reported by: Aurora Corporation (5-26-47)

Confirmed by: Drilling & Production Co. (5-28-47)

Type of Organization corporation
(individual, partnership, corporation, etc.)

Our records are being changed accordingly.

my
cc - M. Cooley

Corrections Made as Follows:	By Whom
Form 114	
" 115	✓
" 121	✓
" 143	✓
Cards	✓
Production Reports	✓
Well Records (Folders)	✓
(Reports	✓
Field Maps	18 a JW
Map Book	JLW

E. H. Messer
Deputy Supervisor EHB

MICHIGAN 8558

E. B. HALL AND CO.

523 WEST SIXTH STREET

LOS ANGELES

-14-

May 28, 1947

DIVISION OF OIL AND GAS
RECEIVED
MAY 29 1947
LOS ANGELES, CALIFORNIA

State Mining Bureau
Division of Oil and Gas
1015 West Olympic Boulevard
Los Angeles 15, California

Gentlemen:

Notice is hereby given that, effective April 30, 1947, Aurora Corporation assumed all the interest of the undersigned company in and to Well Braille No. 1 located in the Waltz Canyon Area of Newhall, Los Angeles County.

Yours very truly,

DRILLING & PRODUCTION CO.

By

E. B. Hall

EBH:mmc

AURORA CORPORATION
ROOM 501
555 SO. FLOWER STREET
LOS ANGELES 13, CALIFORNIA
Vandike 4659

DIVISION OF OIL AND GAS
RECEIVED
MAY 27 1947

LOS ANGELES, CALIFORNIA

May 26, 1947

Division of Oil and Gas
State Mining Bureau
1015 West Olympic Blvd
Los Angeles 15, Calif.

Gentlemen:

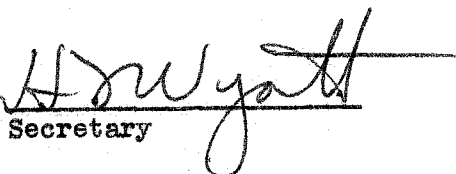
For your information, E. B. Hall & Company have assigned their interest in the lease known as the Braille Lease, located in the Waltz Canyon Area, Newhall, County of Los Angeles, to Aurora Corporation, effective April 30, 1947.

Aurora Corporation, a California corporation, will operate the lease, and hereby appoints Mr. H. T. Wyatt, whose address is 422 West Sixth Street, Los Angeles 14, California, as its Agent. Form 134-A, properly executed by the Aurora Corporation is attached.

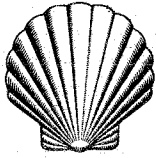
There is presently one well on this lease and it is known as Braille No. 1.

Yours very truly,

AURORA CORPORATION


Secretary

Enclosure



SHELL OIL COMPANY
INCORPORATED

DIVISION OF OIL AND GAS
RECEIVED

MAR 14 1947

LOS ANGELES, CALIFORNIA

P.O. Box 691
Ventura, California
March 11, 1947

Division of Oil and Gas
629 South Hill Street
Los Angeles 14, California

Gentlemen:

We are enclosing two copies of the log,
history and core record and a copy of the electric
log of Braille Institute No. 1 as requested in your
letter of February 14, 1947.

Yours very truly,

SHELL OIL COMPANY
Incorporated

F.R. Schmieder, Manager
Coastal Division Production

Encl.

Place Los Angeles

Date February 13, 1947

REPORT OF PROPERTY AND WELL TRANSFER

Former Owner Shell Oil Company Incorporated

Description and list of wells: "Braille Institute" 1

Sec. 2, T. 3 N., R. 16 W., S. B. B. & M., Newhall field,

New Owner Drilling & Production Co., Date December 19, 1946

Address 523 West Sixth Street, Los Angeles 14

Request for designation of agent for Yes County should be sent

to M. B. Hall and Co., address: 523 West Sixth St., Los Angeles 14

Reported by: M. B. Hall (1-31-47)

Confirmed by: Shell Oil Co., Inc. (2-12-47)

Type of Organization a subsidiary of M. B. Hall and Co. (corporation)
(individual, partnership, corporation, etc.)

Our records are being changed accordingly.

my
cc - M. Cooley

Corrections Made as Follows:	By Whom
Form 114	
" 115	<i>[Signature]</i>
" 121	<i>[Signature]</i>
" 143	<i>[Signature]</i>
Cards	<i>[Signature]</i>
Production Reports	<i>[Signature]</i>
Well Records (Folders)	<i>[Signature]</i>
(Reports	<i>[Signature]</i>
Field Maps	<i>[Signature]</i>
Map Book	<i>[Signature]</i>

E. H. Musser
Deputy Supervisor *[Signature]*

The first part of the document discusses the general principles of the system. It is divided into several sections, each dealing with a different aspect of the overall framework. The text is dense and covers a wide range of topics, from the basic concepts to the more complex details of the implementation.

The second part of the document provides a detailed description of the system's architecture. It outlines the various components and their interactions, as well as the data flow and the underlying algorithms. This section is crucial for understanding how the system is built and how it operates.

The third part of the document focuses on the practical aspects of the system, including the user interface, the data management, and the performance optimization. It discusses the challenges faced during the development and the solutions that were implemented to overcome them.

The fourth part of the document presents the results of the system's evaluation. It includes a comparison with other similar systems, a discussion of the system's strengths and weaknesses, and a conclusion about its overall performance and potential for future work.

(The following text is a continuation of the document and is not included in this summary.)



SHELL OIL COMPANY
INCORPORATED

SHELL BUILDING
1008 WEST SIXTH STREET
LOS ANGELES 14, CALIFORNIA

DIVISION OF OIL AND GAS
RECEIVED
FEB 13 1947

LOS ANGELES, CALIFORNIA

TELEPHONE MADISON 7341

February 12, 1947

State of California
Department of Natural Resources
Division of Oil and Gas
629 South Hill Street
Los Angeles 14, California

Attention: Mr. C. L. Barton

Gentlemen:

In reply to your letter of February 6, 1947, regarding the Braille Institute lease in Section 2, T. 3 N., R. 16 W., S.B.B.& M. upon which the Braille Institute No. 1 well is located, we wish to confirm the assignment of this lease to Aurora Corporation and E. B. Hall and Company, as of December 19, 1946.

With regard to the operation of the Braille Institute well by Drilling and Production Company, an affiliate of E. B. Hall and Company, we are unable to give you any information thereto and we refer you to the Assignees, Aurora Corporation, 555 South Flower Street, Los Angeles 13, and E. B. Hall and Company, 523 West Sixth Street, Los Angeles 14.

The lease in question covers the real property located in the County of Los Angeles, State of California, and is more particularly described as follows:

PARCEL 1. Part of Lots 34, 36 and 39 of St. John Subdivision, Rancho San Francisco, in the County of Los Angeles, State of California, as per map recorded in Book 196, Page 306, et seq., Miscellaneous Records of said County, and part of Newhall Avenue as shown on said map now vacated, described as follows:

Beginning at the northeast corner of said Lot 39; thence along the northerly line thereof, being the southerly line of Tract No. 1274, recorded in Book 18, Pages 110 and 111 of Maps, in the office of the County Recorder of said County, North 63°7'26" West 1648.78 feet, more or less, to a point bearing North 27° East from the northeast corner of Block 52 of Newhall, recorded in Book 53, Pages 21 and 22, Miscellaneous Records of said County; thence South 27° West to and along the southeasterly line of said

DIVISION OF THE LANDS
RECEIVED
FEB 13 1947

LOS ANGELES, CALIFORNIA

Block 52 and prolongation thereof, 2165.75 feet, more or less, to the northerly line of San Fernando Road (now 60 feet in width); thence along said Road, South 63° East 650.2 feet, more or less, to an angle point in said Road; thence continuing along said Road, South 53° 43' East 1013.4 feet, more or less, to a point that would be intersected by the southerly prolongation of the easterly line of Lot 39, herein recited; thence along said prolonged line, and along said easterly line on a course of about North 26° 57' 43" East 2334.02 feet, more or less to beginning.

EXCEPTING therefrom that portion described as follows:

Beginning at a point in the southwesterly line of the hereinbefore described land, distant southeasterly thereon 751.70 feet from the most westerly corner thereof; thence North 27° East, parallel with the northwesterly line of said land, 400 feet; thence South 63° East, at right angles, 300 feet; thence southwesterly, parallel with said northwesterly line and the southwesterly prolongation thereof, to the southwesterly line of said land; thence northwesterly, along said southwesterly line, to the point of beginning.

ALSO EXCEPTING therefrom that portion described as follows:

Beginning at the intersection of the northerly line of San Fernando Road and the said prolongation of the southeasterly line of Block 52 in the Town of Newhall; thence northeasterly along said southeasterly line of Block 52 and prolongation thereof, a distance of 405.6 feet; thence southeasterly parallel to San Fernando Road a distance of 100 feet; thence southwesterly, parallel to the southeasterly line of Block 52, a distance of 405.6 feet; thence northwesterly along the northerly line of San Fernando Road 100 feet to the point of beginning.

ALSO EXCEPTING therefrom any portion within the lines of San Fernando Road as widened.

PARCEL 2. Those portions of Lots 3 and 4 of Tract No. 2703, in the County of Los Angeles, State of California, as per map recorded in Book 28, Page 20, et seq. of Maps, in the office of the County Recorder of said County, described as a whole as follows:

Beginning at the point to the northeasterly line of said Lot 4, distant North 53° 43' West thereon 750 feet from the most easterly corner of said Lot 4; thence

South 27° 08' 53" West parallel with the southeasterly line of said Lot 4, 588.26 feet; thence South 53° 43' East parallel with said northeasterly line 750 feet to said southeasterly line; thence South 27° 08' 53" West along said southeasterly line of Lot 4, 591.03 feet to the most southerly corner of said Lot 4; thence North 39° 09' 40" West along the southwesterly line of said Lot 4, 810.43 feet to the most southerly corner of said Lot 3; thence North 62° 50' West along the southwesterly line of said Lot 3, 1207.78 feet, more or less, to a point distant South 62° 50' East thereon 103.69 feet from the northwesterly corner of Lot 2 of Tract No. 3205, in said County, as per map recorded in Book 35, Page 59 of Maps, in the office of the County Recorder of said County; thence North 27° East 108.07 feet; thence North 48° 53' 13" West 45.06 feet, more or less, to the southeasterly corner of Lot 1 of said Tract No. 3205; thence North 8° East along the easterly line of said Lot 1, 518 feet to the northeasterly corner of said Lot 1; thence South 82° East 152.48 feet; thence North 26° 37' 50" East 417.22 feet to the northeasterly line of said Lot 3 of Tract No. 2703; thence South 63° East along said northeasterly line of Lot 3, 645.40 feet to an angle point in said northeasterly line of said Lot 3; thence South 53 degrees 43' East along the Northeasterly lines of said Lots 3 and 4, 644.06 feet to the point of beginning.

And containing 121.9 acres more or less.

Very truly yours,

SHELL OIL COMPANY
Incorporated



MICHIGAN 8558

E. B. HALL AND CO.

523 WEST SIXTH STREET

LOS ANGELES

-14-

DIVISION OF OIL AND GAS

RECEIVED
FEB 13 1947

LOS ANGELES, CALIFORNIA

February 10, 1947

State of California
Department of Natural Resources
Division of Oil and Gas
629 South Hill Street
Los Angeles 14, California

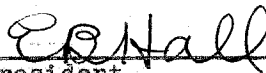
Attention of Mr. C. L. Barton

SUBJECT: Assignment of Braille Lease
Section 2, 3/16
Your Letter of February 6, 1947

Gentlemen:

The subject assignment from Shell Oil Company, Incorporated, to Aurora Corporation and E. B. Hall and Co. was dated December 19, 1946.

Yours very truly,



President,
E. B. Hall and Co.

EBH:mmc

FOLLOW-UP
<i>Apr</i>

629 South Hill Street,
Los Angeles 14, California,
February 6, 1947.

E. B. Hall and Co.,
523 West Sixth Street,
Los Angeles 14, California.

Gentlemen:

This will acknowledge receipt of and thank you for your letter of January 31 informing me that Shell Oil Company, Incorporated, has assigned its lease in Sec. 2, T. 3 N., R. 16 W., S. B. B. & M., Newhall field, upon which is located well No. "Braille Institute" 1, to Aurora Corporation and E. B. Hall and Co. I note that the well will be operated by Drilling & Production Co.

Will you please inform me of the exact date of this assignment.

Yours truly,

E. H. Musser
ELB

Deputy Supervisor.

Note: Address reply to attention
of Mr. C. L. Barton.

my

FOLLOW-UP
2/20

629 South Hill Street,
Los Angeles 14, California,
February 6, 1947.

Shell Oil Company, Incorporated,
1008 West Sixth Street,
Los Angeles 14, California.

Attention: Mr. E. W. Masters.

Gentlemen:

I have been informed that your lease in Sec. 2, T. 3 N., R. 16 W., S. E. B. & M., Newhall field, upon which is located well No. "Braille Institute" 1, has been assigned to Aurora Corporation and E. B. Hall and Co. I have also been informed that this well will be operated by Drilling & Production Co., an affiliate of E. B. Hall and Co.

Will you please write a letter to this office as soon as possible confirming this information and stating the effective date of the assignment. I should also appreciate receiving a legal description of the property involved.

Yours truly,

E. H. Musser
ELB

Deputy Supervisor.

Note: Address reply to attention
of Mr. C. L. Barton.

my

MICHIGAN 8558

E. B. HALL AND CO.

523 WEST SIXTH STREET

LOS ANGELES

-14-

January 31, 1947

DIVISION OF OIL AND GAS
RECEIVED
FEB 5 1947
LOS ANGELES, CALIFORNIA

Division of Oil and Gas,
State Mining Bureau,
629 South Hill Street,
Los Angeles 14, California.

Gentlemen:

For your information, the lease known as the Braille Lease, located in the Waltz Canyon Area, Newhall, County of Los Angeles, has been assigned by Shell Oil Company to the Aurora Corporation and E. B. Hall and Co.

Drilling & Production Co., which is the same ownership and management as E. B. Hall and Co., will operate the lease, and hereby appoints Mr. J. D. Hendricks, whose address is 1028 Pacific Mutual Building, Los Angeles 14, California, as its Agent.

The only well on this lease, Braille No. 1, was returned to production at noon January 27, 1947.

Yours very truly,

EB Hall

President,
Drilling & Production Co.

EBH:mmc

DIVISION OF OIL AND GAS

Report on Test of Water Shut-off
(FORMATION TESTER)

No. T 1-45767

Los Angeles 14, Calif. September 10, 1946

Mr. A. M. Johnson
Long Beach 4, Calif.
Agent for SHELL OIL COMPANY, INCORPORATED

DEAR SIR:

Your well No. "Braille Institute" 1, Sec. 2, T. 3 N., R. 16 W., S. 3. B. & M. Newhall Field, in Los Angeles County, was tested for water shut-off on September 3, 1946. Mr. R. Woodward, Engineer, designated by the supervisor, was present as prescribed in Sec. 3222 and 3223, Ch. 93, Stat. 1939; there were also present C. Hansen, Drilling Foreman and D. R. Catchings, Driller.

Shut-off data: 5-1/2 in. 17 lb. casing was cemented at 3735 ft. on September 1, 1946 in 9-7/8" hole with 600 sacks of cement of which 5 sacks was left in casing. Casing record of well: 10-3/4" cem. 327'; 5-1/2" cem. 3735', perf. 3620', W.S.O.

Reported total depth 4712 ft. Bridged with cement from 3735 ft. to 3687 ft. Cleaned out to 3687 ft. for this test. A pressure of 1500 lb. was applied to the inside of casing for 15 min. without loss after cleaning out to 3687 ft. A Johnston tester was run into the hole on 2 in. tubing with 300 ft. of water cushion, and packer set at 3584 ft. with tailpiece to 3562 ft. Tester valve, with 3/8" bean, was opened at 2:48 a.m. and remained open for 3 hr. and 45 min. During this interval there was a light, steady blow for 3 minutes, a faint blow for 27 minutes, and no blow for the balance of the test.

MR. F. R. SCHMIEDER OF THE SHELL OIL COMPANY, REPORTED BY LETTER DATED SEPTEMBER 3, 1946, THE FOLLOWING:

1. On August 5, 1946, 10-3/4" casing was cemented at 327' with 300 sax of cement.
2. A 9-7/8" rotary hole was drilled from 327' to 3735'.
3. On September 1, 1946, 5-1/2" casing was run in the hole and cemented as noted above.
4. The 5-1/2" casing was shot-perforated with 4, 1/2" holes at 3620' for this test.
5. A Johnston tester was run as noted above.
6. When the tubing was removed 210' of rotary fluid (bottom 90' gas-cut) was found in the tubing above the tester, equivalent to 1.0 bbl.
7. The recording pressure bomb chart showed that the tester valve was open for the duration of the test.

THE WATER SHUT-OFF ABOVE THE PERFORATIONS AT 3620' AS WITNESSED AND REPORTED IS APPROVED.

NOTE: This work was not witnessed by a member of this division for the reason that no inspector was available, but was witnessed as noted above and the above information was furnished by Mr. F. R. Schmieder of the Shell Oil Company, Inc.

PWB:OH

cc- E. W. Masters

R/h

R. D. BUSH, State Oil and Gas Supervisor

By EA Musgrave, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P. 1-42363

Los Angeles 14, Calif. August 13, 1946

Mr. A. M. Johnson

Long Beach 4, Calif.

Agent for SHELL OIL COMPANY, INCORPORATED.

DEAR SIR:

Your proposal to drill Well No. 1 "Braille Institute"

Section 2, T. 3 N., R. 16 W., S.E. B. & M., Newhall Field, Los Angeles County,

dated Aug. 7, 1946, received Aug. 8, 1946, has been examined in conjunction with records filed in this office.

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

THE NOTICE STATES:

"The well is *6710 feet N. and 5050 feet E. from southwest corner of Section 11 or Location: 926.23 feet northwesterly along southerly line of Lot 3 (Tract #2703) from southeast corner thence 390.0 feet northeasterly at 90°.

The elevation of the derrick floor above sea level is 1334.3 feet.

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

*Approximate."

PROPOSAL:

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

Size of Casing	Weight	Grade and Type	Depth	Landed or Cemented
10-3/4	31.20 and 45	H-40 and J-55	327'	Cemented

Other casing will depend upon the fluid content and depth of the formations encountered.

Well is to be drilled with rotary tools.

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

DECISION:

This division does not have sufficient data available upon which to base an estimate of the depth at which oil- or gas-bearing formations should be encountered in this vicinity, nor the depth at which a water shut-off should be effected.

THE PROPOSED DRILLING PROGRAM IS APPROVED, HOWEVER, PROVIDED THAT:

1. Mud fluid consistent with good drilling practice shall be used and the column of mud fluid maintained at all times to the surface, particularly while pulling the drill pipe.
2. Blowout prevention equipment, sufficient to provide a complete close-in of the well under pressure at any time, shall be installed.
3. Any hole to be sidetracked in any oil or gas zone shall be filled with cement, if possible.
4. THIS DIVISION MUST BE NOTIFIED AS FOLLOWS:
 - (a) When oil- or gas-bearing formations are encountered.
 - (b) To examine cores and/or electrical log before running any casing. Other requirements may be specified at that time.
 - (c) To witness a test of each possible water shut-off.
 - (d) To inspect the blowout prevention equipment and installation before drilling below 1000'.

CLB:OH

R. D. BUSH

State Oil and Gas Supervisor

cc- E. W. Masters

By E. H. Musser Deputy

STATE OF MISSISSIPPI
DEPARTMENT OF REVENUE
DIVISION OF OIL AND GAS

Report on Proposed Operations

No. 1-11111

Proposed by: _____

Oil

Area for _____

Date: _____

Proposed by: _____
Well No. _____
Section _____
This report has been examined in connection with records filed in this office.

Present conditions as shown by the records and the proposed operations are as follows:

R. D. BUSH

State Oil and Gas Commission

H. M. ...

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

9
DIVISION OF OIL AND GAS
RECEIVED
AUG 20 1946
LOS ANGELES, CALIFORNIA

037-12844

Notice of Intention to Drill New Well

This notice must be given and surety bond filed before drilling begins

Ventura Calif. August 7 1946

DIVISION OF OIL AND GAS

Los Angeles Calif.

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of drilling well No. Braille Institute No. 1, Sec. M, T. 3N R. 16W, S.B. B. & M., - Newhall Field, Los Angeles County. PW.B
Lease consists of approximately 40 acres

The well is *6710 feet N. ~~3000~~ and 5050 feet E. ~~3000~~ from southwest corner of Section 11
(Give location in distance from section corners or other corners of legal subdivision)
Location: 926.23 feet northwesterly along southerly line of Lot 3 (Tract #2703) from
The elevation of the ~~ground~~ ^{derrick floor} above sea level is 1334.3 feet. southeast corner thence 330.0 feet
northeasterly at 90°.

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

***Approximate**

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

Size of Casing, Inches	Weight, Lb. Per Foot	Grade and Type	Depth	Landed or Cemented
10-3/4	31.20 and 45	H-40 and J-55	327'	Cemented
Other casing will depend upon the fluid content and depth of the formations encountered.				

Well is to be drilled with ~~rod~~ ^{rotary} tools.

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

Address P.O. Box 691, Ventura

Shell Oil Company, Incorporated
(Name of Operator)

Telephone number 2204-Vta

By J.F. Arthur
Agent

ADDRESS NOTICE TO DIVISION OF OIL AND GAS IN DISTRICT WHERE WELL IS LOCATED

MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
18A	8-8-46		132 4408		

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000

1000