

History

COMPLETION REPORT -- NEW WELL PRO-318-D

STANDARD OIL COMPANY OF CALIFORNIA

FIELD: Astoria, Oregon

PROPERTY: Section 11

WELL NO: Hoagland Unit #1

Sec 11 T. 7N R. 10W W. B. & M.

LOCATION: 311 North and 499' East of South 1/4 Corner of Section 11.

ELEVATION: 81' Derrick Floor. D. F. is 9 ' above sea level

DATE: August 23, 1955

By W. A. EARDLEY
Mgr. Prod. Dept.

DRILLED BY: Pike Drilling Company

DATE COMMENCED DRILLING: April 27, 1955

DATE COMPLETED DRILLING: June 17, 1955

DATE OF INITIAL PRODUCTION: Abandoned

PRODUCTION:	Daily average, 1st _____ days	Gravity _____ ° API	Pumping _____
	Oil _____ Bbls.	T. P. _____ PSI	Flowing _____
	Water _____ Bbls.	C. P. _____ PSI	Gas Lift _____
	Gas _____ Mcf.	Beam _____ /64"	

SUMMARY

TOTAL DEPTH: 7101'

PLUGS: Surface to 20'
537' to 630'.

CASING: 18-1/2" cemented at 18'.
13-3/8" cemented at 618'.

JUNK: 9-7/8" Hughes bit, 159' of 6-3/4" drill collars, 9-3/4" Driltrol stabilizer, and broken off 4-1/2" Shaffer Bumper Sub and Safety Joint from 6929' to 7101'.

- LOGS RUN:
1. Lith-O-Log Electric Log recorded to 618'.
 2. " " " " " 1100'.
 3. " " " " " 1725'.
 4. " " " " " 2418'.
 5. Schlumberger " " " " 3143'.
 6. Schlumberger Microlog recorded to-- 3143'.
 7. Schlumberger Dipmeter " " -- 3143'.
 8. Lith-O-Log Electric Log recorded to 3854'.
 9. " " " " " 4600'.
 10. Lith-O-Log Gamma Ray Log recorded to 5388'.

Hoagland
WELL NO.: Unit #1

PROPERTY: Section 11. STANDARD OIL COMPANY OF CALIFORNIA

LOG RUNS CONTINUED:

11. Schlumberger Electric Log recorded to 5538'.
12. Schlumberger Microlog recorded to 5538'.
13. Schlumberger Gamma Ray Log recorded to 5538'.
14. Lith-O-Log Electric Log recorded to 6000'.
15. Schlumberger Electric Log recorded to 6929'.
16. Schlumberger Microlog recorded to 6929'.
17. Schlumberger Dipmeter recorded to 6929'.

Hoagland
 WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
0	9	9	Derrick
9	18	9	Conductor

 18' of 18-1/2" conductor pipe cemented at 18'.

Moved in equipment and rigged up.

Spudded in 4:30 A.M. April 27, 1955.

Drilled 17-1/2" hole, 4-1/2" drill pipe, 77 to 80# mud.

18	618	600	Drilled
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Reamed hole with Grant 3 point reamer.

Ran Lith-O-Log Electric Log and recorded to 618'.

Halliburton cemented 623' of 13-3/8" casing at 618' with 450 sacks of construction cement mixed with 294' cu. ft. water in 18 minutes and displaced with 535 cu. ft. mud in 15 minutes with good cement returns. One top and one bottom plug. Cement in place at 12:45 A.M., April 29, 1955.

CASING DETAIL:

ALL	17 Jts.	623	13-3/8" O.D., 45#, J-55, Range 3, 8 round short threads and collars, including Baker Guide Shoe at 618'.
Total	17 Jts.	623	
Above derrick		5	
Cemented at		618	

Casing Summary: Landed 13-3/8" casing 13' below derrick floor, thus leaving 605' of casing cemented at 618'.

Stood cemented 40 hours.

April 30, 1955.

Installed blow out preventive equipment and tested to 1000# for 15 minutes. O.K.

Cleaned out cement through shoe from 610' to 618'.

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
Drilled 10-5/8" hole, 4-1/2" drill pipe, 70# mud.			
618	719	101	Drilled
Cored 8-1/2" hole, 4-1/2" drill pipe, 70# mud.			
719	734	15	Recovered 15'.
719	734	15	Silty claystone to clayey siltstone, medium gray to olive gray, firm, brittle, compact. No shows--good dips 11°.
Opened 8-1/2" to 10-5/8" from 719' to 734'.			
Drilled 10-5/8" hole, 4-1/2" drill pipe, 69 to 70# mud.			
734	988	254	Drilled.
Cored 8-1/2" hole, 4-1/2" drill pipe, 70# mud.			
988	1000	12	Recovered 13', 1' over recovery.
988	1001	13	Siltstone and claystone, medium gray, firm, compact very lenticular with common thin streaks of dirty very fine grained light gray sandstone. No shows. Fair dips of 14° to 18°.
Opened 8-1/2" hole to 10-5/8" from 938' to 1000'.			
Drilled 10-5/8" hole, 4-1/2" drill pipe, 70 to 72# mud.			
1000	1083	83	Drilled
Cored 8-1/2" hole, 4-1/2" drill pipe, 72 to 73# mud.			
1083	1100	17	Recovered 19', 2' over recovery.
1083	1102	19	Silty sandstone and siltstone, mottled medium gray with streaks of brown and greenish gray, firm, compact, commonly very thin bedded, but very cross bedded and lenticular. No shows. Poor to fair dips of 5° to 15°.
Ran electric log, recorded to 1100'.			
Opened 8-1/2" hole to 10-5/8" from 1083' to 1100'.			

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
Drilled 10-5/8" hole, 4-1/2" drill pipe, 72 to 73# mud.			
1100	1297	197	Drilled
May 2, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 72-1/2# mud.			
1297	1307	10	Recovered 11', 1' over recovery.
1297	1308	11	Interbedded silty sandstone, siltstone and mudstone, mottled light gray to brownish gray, very firm, rather brittle, dense and compact, slightly fossiliferous. No flash. No shows except common perforations on mud sheath. Fair dips of 0° to 10°.
Opened 8-1/2" hole to 10-5/8" from 1297' to 1307'.			
Drilled 10-5/8" hole, 4-1/2" drill pipe, 72-1/2# to 73# mud.			
1307	1512	205	Drilled
Cored 8-1/2" hole, 4-1/2" drill pipe, 72-1/2# mud.			
1512	1522	10	Recovered 10'
1512	1522	10	Interbedded silty sandstone, siltstone and mudstone, all details similar to Core #4. No flash. No shows. Low angle dips of 0° to 5°.
Opened 8-1/2" hole to 10-5/8" from 1512' to 1522'.			
Drilled 10-5/8" hole, 4-1/2" drill pipe, 72-1/2 to 80# mud.			
Ran Lith-O-Log Electric Log, recorded to 1725'.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 80# mud.			
1727	1737	10	Recovered 10'.
1727	1737	10	Claystone, dirty medium gray, very firm, tough, slightly calcareous, with two thin streaks (2" to 3" very dirty, tight, coarse sandstone interbeds. No shows. No flash. Good dips of 5° to 8°.

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
Opened 8-1/2" hole to 10-5/8" from 1725' to 1735'.			
May 4, 1955.			
Drilled 10-5/8" hole 4-1/2" drill pipe, 79 to 81# mud.			
1735	1971	236	Drilled
Cored 8-1/2" hole, 4-1/2" drill pipe, 80# mud.			
1971	1981	10	Recovered 10'.
1971	1981	10	Claystone, brownish gray, hard, dense and compact-interbedded thinly (1" to 3") with sandy siltstone, medium gray, hard, dense and compact, tight. Rare minor (2" displacement) calcite filled faults. No shows. No flash. Fair to good dips of 0° to 12°, mostly 5°.
Opened 8-1/2" hole to 10-5/8" from 1971' to 1981'.			
Drilled 10-5/8" hole, 4-1/2" drill pipe, 77 to 80# mud.			
1981	2188	207	Drilled
Cored 8-1/2" hole, 4-1/2" drill pipe, 80# mud.			
2188	2198	10	Recovered 10'.
2188	2198	10	Claystone with sandy siltstone streaks and interbeds. All details similar to Core #7, except the claystone is more silty and fossiliferous. Similar faulting to Core #7 also. No shows. No flash. Fair dips of 5°.
Opened 8-1/2" hole to 10-5/8" from 2188' to 2198'.			
Drilled 10-5/8" hole, 4-1/2" drill pipe, 77 to 80# mud.			
2198	2408	210	Drilled
May 6, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 80# mud.			
2408	2418	10	Recovered 10'.
2408	2418	10	All details as in Core #7 and #8. No shows. No flash. Fair dips of 5°.

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
Ran Lith-O-Log Electric Log and recorded to 2418'.			
Opened 8-1/2" hole to 10-5/8" from 2403' to 2418'.			
Drilled 10-5/8" hole, 4-1/2" drill pipe, 80 to 81# mud.			
2418	2653	235	Drilled
May 7, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 79 to 80-1/2# mud.			
2653	2663	10	Recovered 10'.
2653	2663	10	Claystone and siltstone. All details as in Cores 7, 8, and 9. No shows. No flash. Fair to good dips of 0° to 5°.
Opened 8-1/2" hole to 10-5/8" from 2653' to 2663'.			
Drilled 10-5/8" hole, 4-1/2" drill pipe, 79 to 80-1/2# mud.			
2663	2904	241	Drilled
May 8, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 80 to 80-1/2# mud.			
2904	2914	10	Recovered 10'.
2904	2914	10	Claystone and interbedded siltstone, all details as in Cores 7, 8, 9, and 10. No shows, no flash. Fair dips of 7° to 11°.
Opened 8-1/2" hole to 10-5/8" from 2904' to 2914'.			
Drilled 10-5/8" hole, 4-1/2" drill pipe, 80 to 81# mud.			
2914	3143	229	Drilled.
May 9, 1955.			
Ran Schlumberger Electric Log and recorded to 3143'.			

MARKERS

Top Keasey ? Fm 1085'
Top Cowlitz ? Fm 1725'

Ran Schlumberger Microlog and Dipmeter Survey.

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
Cored 8-1/2" hole, 4-1/2" drill pipe, 80# mud.			
3143	3153	10	Recovered 10'.
3143	3153	10	Sandy siltstone with some claystone, all details as in Cores 7, 8, 9, 10 and 11. No shows, no flash. Fair dips of 13°.
May 10, 1955.			
Opened 8-1/2" hole to 10-5/8" from 3143' to 3153'.			
Drilled 10-5/8" hole, 4-1/2" drill pipe, 80 to 81-1/2# mud.			
3153	3260	107	Drilled
Drilled 9-7/8" hole, 4-1/2" drill pipe, 81 to 82# mud.			
3260	3393	133	Drilled
May 11, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 81 to 81-1/2# mud.			
3393	3400	7	Recovered 7'.
3393	3400	7	Extremely shattered sandy siltstone and some very silty claystone of similar lithology to the previous cores. No shows, no dips.
Lost circulation while coring at 3399'. Pulled core barrel. Ran 9-7/8" Globe 2 cone bit with jets cut out. Mixed Gel and shredded rubber. Regained circulation.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 75 to 76-1/2# mud.			
3400	3455	55	Drilled
May 12, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 80# mud.			
3455	3465	10	Recovered 10'.
3455	3465	10	Sandy siltstone; medium gray, slight micaceous and carbonaceous. Cross bedded locally, interbedded silty claystone, dark gray. Good dips of 15°. No shows.

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
Opened 8-1/2" hole to 9-7/8" from 3455' to 3455'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 75 to 80# mud.			
3465	3652	187	Drilled
Cored 8-1/2" hole, 4-1/2" drill pipe, 76 to 76-1/2# mud.			
3652	3662	10	Recovered 4'.
3652	3656	4	Claystone; medium to dark gray, with streaks and patches of siltstone. Slightly carbonaceous. Good 14 to 15° dips. Few near vertical fractures. No odor, stain or oil. No shows, no flash. Lost.
3656	3662	6	Lost.
May 14, 1955.			
Opened 8-1/2" hole to 9-7/8" from 3652' to 3662'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 77# mud.			
3662	3844	182	Drilled
May 15, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 77-1/2" to 78# mud.			
3844	3854	10	Recovered 8'.
3844	3849	5	Cored Claystone, dark gray with thin brownish cast. Badly fractured in coring. Sandy siltstone, light gray with slight greenish cast. Scattered carbonaceous material. Very tight appearing. No odor stain, cut or fluorescence. Negative flame test.
3849	3852	3	
Ran Lith-O-Log Electric Log to 3854'. Did not register.			
Opened 8-1/2" hole to 9-7/8" from 3844' to 3854'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 77# mud.			
3854	4087	233	Drilled.

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
May 17, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 77-1/2# mud.			
4087	4097	10	Recovered 10'.
4087	4097	10	Claystone with dark gray, brownish cast with thin streaks of siltstone. No fluorescence, no show. Good dips 9° to 12°. No flash.
Opened 8-1/2" hole to 9-7/8" from 4087' to 4097'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 77 to 77-1/2# mud.			
4097	4330	233	Drilled
May 18, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 78 to 78-1/2# mud.			
4330	4340	10	No Recovery.
4340	4350	10	Claystone with occasional very thin siltstone streaks, as in Core #17. No shows. No flash. Good dips of 8° to 10°.
Opened 8-1/2" hole to 9-7/8" from 4330' to 4350'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 77 to 78# mud.			
4350	4583	233	Drilled.
May 20, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 78 to 79# mud.			
4583	4587	4	No Recovery.
Opened 8-1/2" hole to 9-7/8" from 4583' to 4587'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 78 to 79# mud.			
4587	4790	203	Drilled.
May 21, 1955.			

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
Cored 8-1/2" hole, 4-1/2" drill pipe, 78 to 80# mud.			
4790	4795	5	Recovered 5'.
4790	4795	5	Claystone with thin interbeds of very micaceous graywacke and tuffs similar to the siltstone in Cores 17 and 19, but more coarse grained.
Opened 8-1/2" hole to 9-7/8" from 4790' to 4795'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 80 to 81-1/2# mud.			
4795	5048	253	Drilled
May 24, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 81 to 81-1/2# mud.			
5048	5058	10	Recovered 10'.
5048	5041	7	Claystone, similar to Core #21. Very slightly harder and very poorly bedded. Some calcite filled fractures and very minor faulting. No shows. No flash. Very questionable dips of 5° to 20°.
5051	5058	7	Anesitic flows and some tuff, very finely crystalline, hard, brittle, medium greenish gray, amygdaloidal abundant calcite stringers. No shows. No flash. No dips.
Ran Lith-O-Log Electric Log to 4600'.			
Opened 8-1/2" hole to 9-7/8" from 5048' to 5053'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 80 to 82# mud.			
5058	5149	91	Drilled
May 25, 1955.			
Circulated for electric log.			
Ran electric log.			

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
Drilled 9-7/8" hole, 4-1/2" drill pipe, 80-1/2 to 81-1/2# mud.			
5268	5357	89	Drilled
Cored 8-1/2" hole, 4-1/2" drill pipe, 81# mud.			
5357	5364	7	Recovered 4'.
5357	5361	4	Dark green to dark gray hard dense amygdaloidal basalt. Abundant fractures, no shows. Lost.
5361	5364	3	Lost.
May 28, 1955.			
Opened 8-1/2" hole to 9-7/8" from 5357' to 5364'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 80 to 70-1/2# mud.			
5364	5388	24	Drilled
Circulated and conditioned mud for electric log.			
Ran Lith-O-Log Gamma Ray Log to 5388'. Failed to register.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 79# mud.			
5388	5398	10	Recovered 10'.
5388	5398	10	Interbedded sandstone and shale. Sandstone, light salt and pepper gray, hard, tough, very dense, rather fine grained with no apparent permeability or porosity thin bedded with shale; dark gray, hard, dense, poorly fissile, micro-micaceous apparent minor faulting and fracturing. No shows. No flash. Good dips of 12° to 14°.
May 29, 1955.			
Opened 8-1/2" hole to 9-7/8" from 5388' to 5398'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 80 to 81# mud.			
5398	5464	66	Drilled

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
Cored 8-1/2" hole, 4-1/2" drill pipe, 79-1/2 to 80# mud.			
5464	5471	7	Recovered 6'.
5464	5470	6	Interbedded sandstone and claystone similar to Core #21. Locally badly fractured with extremely faint fluorescent shows in only 2 of the fracture surfaces. Pale rather milky lemon yellow fluorescence cut in carbon tetrachloride but no visible cut from the fracture surface. No flash. Dips of 10°.
5470	5471	1	Lost.
May 30, 1955.			
Drilled 8-1/2" hole, 4-1/2" drill pipe, 79 to 80-1/2# mud.			
5471	5538	67	Drilled
Ran Schlumberger Electric Log and recorded to 5538'.			

MARKERS

Top McIntosh Fm. 3650'
Top Tillamook Basalts 4920'

Ran Schlumberger Microlog and Gamma Ray Log.

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
May 31, 1955.			
Opened 8-1/2" hole to 9-7/8" from 5464' to 5538'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 79 to 80-1/2# mud.			
5538	5772	234	Drilled
June 2, 1955.			

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
Cored 8-1/2" hole, 4-1/2" drill pipe, 80 to 81-1/2# mud.			
5772	5780	8	Top 3" claystone fragments. Cavings? Basalt, dark greenish gray, hard, tough, dense, finely crystalline, very abundant vitreous sodium sand size spheres and pods, a amygdaloidal, occasional pyrite and mica. Locally abundant light? fractures. No shows. Lost.
5780	5781	1	Lost.
Opened 8-1/2" hole to 9-7/8" hole from 5772' to 5781'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 79 to 82-1/2# mud.			
5781	6269	488	Drilled
Lost circulation while drilling at 6213'. Lost approximately 100 barrels of mud. Mixed gel and rubber to regain circulation.			
June 6, 1955.			
Ran Lith-O-Log Electric Log to 6000'.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 77-1/2 to 78# mud.			
6269	6281	12	Recovered 4'.
6269	6273	4	Basalt, medium gray, hard, dense, amygdaloidal and spherulitic. Core recovery is badly broken. No shows. No flash. No dips.
6273	6281	8	Lost.
Opened 8-1/2" hole to 9-7/8" hole from 6269' to 6281'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 76-1/2# to 78-1/2# mud.			
6281	6410	129	Drilled
June 7, 1955.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 76 to 77# mud.			
6410	6420	10	Recovered 10'.
6410	6420	10	Gray to gray-green hard, dense, spherulitic and amygdaloidal basalt. No show, no flash, no dip. No fractures.

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored
Opened 8-1/2" hole to 9-7/8" from 6410' to 6420'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 76 to 78# mud.			
6420	7101	681	Drilled

June 14, 1955.

Shaffer bumper sub and safety joint broke off while drilling at 7101'.
Top of fish at 6929'.

Left in hole: 9-7/8" Hughes bit, 159' of 6-3/4" drill collars, 9-3/4" Driltrol stabilizer and broken off 4-1/2" Shaffer combination bumper sub and safety joint.

Ran 6" x 7-5/8" Bowen grapple socket and Shaffer bumper sub, failed to go down over fish.

Ran 9-1/8" x 6" Shaffer socket and bumper sub with Bowen jar safety joint. Jarred fish loose with tools at 6929'. Pulled fish up 110' then fish dropped back to 6929'. Reran tools but could not get over top of fish.

June 15, 1955.

Circulated and conditioned mud for electric log at 6929'.

Ran Schlumberger Electric Log, Microlog and Dipmeter Survey from 6929' to 5538'.
Took Schlumberger Sidewall Samples: No markers.

Depth	Recovery	Description
5047		No Recovery.
5720		No Recovery.
5758	1/2"	Volcanic flow rock, dark green altered.
6238		No Recovery.
6250	1/2"	Same as 5758'.
6377		No Recovery.
6530	1/2"	Volcanic flow rock. Similar to Core #27.
6725	1"	Same as 5758'.

Page 15

Hoagland
WELL NO.: Unit #1 PROPERTY: Section 11 STANDARD OIL COMPANY OF CALIFORNIA

From	To	Feet	Formation Drilled or Cored												
<table border="1"> <thead> <tr> <th>Depth</th> <th>Recovery</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>6810</td> <td>1/2"</td> <td>Same as 5758'.</td> </tr> <tr> <td>6815</td> <td></td> <td>No Recovery.</td> </tr> <tr> <td>6820</td> <td>1/2"</td> <td>Same as 5758'.</td> </tr> </tbody> </table>				Depth	Recovery	Description	6810	1/2"	Same as 5758'.	6815		No Recovery.	6820	1/2"	Same as 5758'.
Depth	Recovery	Description													
6810	1/2"	Same as 5758'.													
6815		No Recovery.													
6820	1/2"	Same as 5758'.													

June 16, 1955.

Mixed and pumped 125 sacks of Oregon Portland construction cement through 4-1/2" drill pipe hung at 630'. Displaced with 36 cu. ft. mud. Cement in place at 12:15 P.M.

Located top of cement plug at 537'.

June 17, 1955.

Removed blow out preventive equipment.

Plugged top of 13-3/8" casing with 15 sacks of cement.

Plugged rat hole with 10 sacks of cement.

Cut Shaffer 13-3/8" landing head off casing and welded plate on casing.

Dismantled equipment and moved out.

Rig released at 6:00 P.M., June 17, 1955.

Well abandoned June 17, 1955.

J. N. VAN METER

Taft, California
August 23, 1955
JNV/gmr