

COMPLETION REPORT -- NEW WELL

STANDARD OIL COMPANY OF CALIFORNIA

Western Operations, Inc.

Gilliam County, Oregon

FIELD: Condon Area

PROPERTY: Kirkpatrick

WELL NO: 1

Sec. 6 T. 4S R. 21E Willamette B. & M.

LOCATION: 4319' West and 2909' South from the Northeast corner of section 6.

ELEVATION: 2747' Derrick Floor.

D. F. is \_\_\_\_\_' above mat.

DATE: July 16, 1957

By F. A. HILTEBERT  
Manager, Producing Department

DRILLED BY: Miracle and Wooster

DATE COMMENCED DRILLING: January 31, 1957 DATE COMPLETED DRILLING: June 22, 1957

DATE OF INITIAL PRODUCTION: Not produced--abandoned

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

SUMMARY

Total Depth: 8726'

Plugs: 1655'-1943'

Casing: 18-1/2" cemented at 22'.  
13-3/8" cemented 205'.

Junk: None.

- Logs Run:
1. Lith-O-Log Electric Log recorded to 1912'.
  2. Lith-O-Log Electric Log recorded to 3433'.
  3. Lith-O-Log Electric Log recorded to 4422'.
  4. Schlumberger Electric Log, Micro Log and Dipmeter, recorded to 7636'.
  5. Schlumberger Electric Log, Micro Log and Dipmeter, recorded to 8726'.

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From	To	Feet	Formation Drilled or Cored
0	22	22	Drilled

18-1/2" conductor pipe cemented at 22'.

Contractor moved in equipment and rigged up.

Spudded in at 5:00 P.M., January 31, 1957.

Drilled 9-7/8" hole, 4-1/2" drill pipe, 65 to 70# mud.

22	872	850	Drilled
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February 28, 1957.

Opened 9-7/8" hole to 13-1/4" from 22' to 205'.

March 1 to 5, 1957.

Opened 13-1/4" hole to 17-1/2" from 22' to 205'.

March 5, 1957.

Halliburton Cementers cemented 13-3/8" casing at 205' with 185 sacks Permanente construction cement. Mixed cement with 117 cu. ft. water in 11 minutes to average 115 to 118# per cu. ft. slurry. Displaced in 9 minutes with 162 cu. ft. mud. Used one top rubber plug. Full circulation throughout job. Good cement returns to surface. Cement in place at 4:50 P.M.

#### CASING DETAIL:

All	5 Jts.	211'	13-3/8" O.D. 54.5#, J-55, Range 3, new Republic seamless casing with 8 round short threads and collar. Includes Larkin guide shoe.
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Total	5 Jts.	211'
Above derrick floor		6'
Cemented at		205'

CASING SUMMARY: Landed 13-3/8" casing 13' below derrick floor, thus leaving 192' of casing cemented at 205'.

March 6, 1957.

Installed blow out preventive equipment and tested to 1000 psi. for 15 minutes.

March 7, 1957.

Drilled out cement and shoe from 170' to 205'.

March 8, 1957.

Drilled 9-7/8" hole, 4-1/2" drill pipe, 65 to 68# mud.

872	1922	1050	Drilled
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From	To	Feet	Formation Drilled or Cored
March 22, 1957.			
Ran Lith-O-Log portable electric log, logged from 1912' to 205'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 67 to 69# mud.			
1922	2737	815	Drilled
April 3, 1957.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 67 to 68# mud.			
2737	2756	19	Cored
Recovered 19'. Tuff, very firm, very clayey, gray green, abundant sand size fragments, no shows. 11° dip.			
Opened 8-1/2" hole to 9-7/8" from 2737' to 2756'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 67 to 72# mud.			
2756	3433	677	Drilled
April 8, 1957.			
Ran Lith-O-Log electric log, recorded to 3433'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 71 to 72-1/2# mud.			
3433	4405	972	Drilled
April 22, 1957.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 71 to 72# mud.			
4405	4422	17	Cored
4405'-4422'	Recovered 17'		Tuff, light gray to green, soft but with several hard calcareous streaks, abundant altered glass and pumice fragments in a very clayey matrix. Rare tiny calcite filled fractures. Extremely questionable dips of 0°-18°. No shows.
Ran Lith-O-Log electric log, recorded to 4422'.			
Opened 8-1/2" hole to 9-7/8" from 4405' to 4422'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 71 to 73# mud.			
4422	5409	987	Drilled
May 4, 1957.			

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From	To	Feet	Formation Drilled or Cored
Cored 8-1/2" hole, 4-1/2" drill pipe, 71 to 72# mud.			
5409	5429	20	Cored
5409'-5429'		Recovered 20'	Tuff to Tuffaceous claystone, light gray, slightly siliceous, thinly bedded, bentonitic claystone with some carbonaceous partings in the upper 6'. The lower interval consists of dark brown to dark blue gray and green very crumbly tuffaceous claystones. No shows. Good dips of 0°-5°.
May 5, 1957.			
Opened 8-1/2" hole to 9-7/8" from 5409' to 5429'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 71 to 73# mud.			
5429	6542	1113	Drilled
May 13, 1957.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 71 to 72# mud.			
6542	6545	3	Cored
6542'-6545'		Recovered 3'	Tuff, light creamy pale greenish gray, very firm to hard and apparently rather siliceous, compact, rather homogenous. The recovery is somewhat broken with common minute calcite filled fractures but highly contorted bedding is visible. No shows.
Opened 8-1/2" hole to 9-7/8" from 6542' to 6545'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 71 to 74# mud.			
6545	6846	301	Drilled
May 18, 1957.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 71 to 72# mud.			
6846	6856	10	Cored
Core #5 6846'-6856'		Recovered 5'	Subgraywacke Sandstone, medium to dark gray, very hard, dense, fine to coarse sand size grains in a very dirty silty matrix. Interbedded

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From	To	Feet	Formation Drilled or Cored
			with Shaley Siltstone, dark gray, hard, carbonaceous. Fracturing is common but apparently all openings are completely calcite filled. No shows. Fair dips of 40°-45°.
Opened 8-1/2" hole to 9-7/8" from 6846' to 6856'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 72 to 74-1/2# mud.			
6856	7177	321	Drilled
May 21, 1957.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 72-1/2 to 73-1/2# mud.			
7177	7184	7	Cored
Core #6	7177'-7184'	Recovered 7'	Shaley Siltstone as in Core #5 locally grading to a very shaley texture but with no fissility. Abundant fracturing and minor displacements as in Core #5. No shows. Good dips of 10°-12°.
Opened 8-1/2" hole to 9-7/8" from 7177' to 7184'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 71 to 74# mud.			
7184	7647	463	Drilled
May 26, 1957.			
Ran Schlumberger Electric Log, Micro Log and Dipmeter, recorded to 7636'.			
May 27, 1957.			
Cored 8-1/2" hole, 4-1/2" drill pipe, 73 to 74# mud.			
7647	7653	6	Cored
7647'-7653'		Recovered 3-1/2'	Argillitic Shale with intra-bedded dirty <u>Silty Sandstone</u> . Very similar in all details to cores 5 and 6. Common fracturing as Cores 5 and 6. No shows. Good dips of 35° and 40°.
Opened 8-1/2" hole to 9-7/8" from 7647' to 7653'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 73 to 80# mud.			
7653	8220	567	Drilled
June 9, 1957.			

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From	To	Feet	Formation Drilled or Cored
Cored 8-1/2" hole, 4-1/2" drill pipe, 79 to 80# mud.			
8220	8221	1	Cored
No recovery			
Opened 8-1/2" hole to 9-7/8" from 8220' to 8221'.			
June 10, 1957.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 78 to 79-1/2# mud.			
8221	8268	47	Drilled
June 11, 1957.			
Cored 7-5/8" hole, 4-1/2" drill pipe, 80# mud.			
8268	8278	10	Cored
Core #9	8268'-8278'	Recovered 5'	Siliceous Tuff (similar to Core #4) chalk white to cream, hard, micro-textured, locally slightly calcareous, homogenous with no apparent bedding. Several recent fracture planes have rare tiny dark brown spots of staining which yield a yellow fluorescent cut in carbon tetrachloride.
Opened 7-5/8" hole to 9-7/8" from 8268' to 8278'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 79 to 80# mud.			
8278	8385	107	Drilled
June 14, 1957.			
Cored 7-5/8" hole, 4-1/2" drill pipe, 79-1/2# mud.			
8385	8393	8	Cored
Core #10	8385'-8393'	Recovered 4'	Argillitic Shale with thin, slightly calcareous, dirty, fine Sandstone intrabeds, very similar in all details to Core #7, except only slightly fractured. No shows. Good dips of 10°-15°.
Opened 7-5/8" hole to 9-7/8" from 8385' to 8393'.			
Drilled 9-7/8" hole, 4-1/2" drill pipe, 79 to 80-1/2# mud.			
8393	8726	333	Drilled

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From	To	Feet	Formation Drilled or Cored
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June 21, 1957

Ran Schlumberger Electric Log, Micro Log and Dipmeter, recorded to 8726'.

Halliburton Cementers pumped 150 sacks Permanente construction cement through open end drill pipe hung at 1943' for plug to  $\pm$  1633'. Mixed cement with 105 cu. ft. water in 10 minutes to average 114 to 116# per cu. ft. slurry. Displaced in 5 minutes with 115 cu. ft. mud and 5 cu. ft. water. Pumped 40 cu. ft. water ahead of cement. Cement in place at 3:45 P.M.

June 22, 1957.

Located top of cement plug at 1655'.

Displaced mud in hole with water to 1640' and suspended well in that condition for conversion to water well by landowner.

Rig released at 6:00 A.M., June 22, 1957.

Contractor dismantled equipment and moved out.

J. N. VAN METER

Taft, California  
July 16, 1957