

WELL HISTORY

Reichhold Energy Corporation
Well: Columbia County 33-3

Section 3-6N-5W W.B.&M.
Columbia County, Oregon

May, 1980

- 23, Paul Graham Drilling and Service Company moved in Rig No.1 and rigged up.
- 29, 425' Spudded in with 9-7/8" bit at 8:00 A.M.
Shale and Clay
Ran 10 joints of 7" 20# K casing equipped with a guide shoe and cemented around shoe at 406' with 150 sacks of cement treated with 2% CaCl₂. Had good cement returns at surface. Cement in place at 7:30 P.M.
- 30, 1009' Landed casing and installed screw on 6" 900 casing head. Installed and tested B.O.P. equipment.
Drilled out plug, cement below and shoe with 6-1/4" bit and drilled ahead.
Clay and Sand
- 31, 2226' Clay and Siltstone

June, 1980

- 1, 2777' Shale and Sand
Ran Schlumberger Dual Induction-SFL Log from 406'-2771'.
Ran Schlumberger Sonic Log from 406'-2761'.
Ran Schlumberger Dipmeter from 406'-2774'.
- 2, Ran 73 joints of 4-1/2" 10.5# K casing equipped with a guide shoe and an insert fill-up valve on top of shoe joint. First 15 joints equipped with centralizers. Cemented around shoe at 2749' with 150 sacks of cement. Used bottom plug and bumped top plug with 1000 psi. Cement in place at 4:25 P.M.
Landed casing and installed tubing spool.
- 3, Installed B.O.P. equipment and tested.
Ran 2-3/8" tubing to top of cementing plug at 2716'. Conditioned water in casing with 3% KCL.
Welex ran Neutron-Micro Seismogram Log from 1000' to 2705'.
Ran 2-3/8" tubing and landed as follows:

KB to flange	10.50'
76 joints	2405.55
	2416.05
- 4, Installed Xmas Tree.

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- 4, cont. Welex ran through tubing with 1-9/16" Sidewinder gun loaded with 0° phasing and shot 4 holes per foot in the intervals.
2467-2495
2504-2524
2529-2535
2540-2576
2581-2585
2591-2601
2621-2646

Removed water from casing with Nitrogen.
Flowed well to clean up.
Flowed well as follows:

Choke	Tubing Press.	Casing Press.	Rate Mcf/D
36/64	800	990	6000
SI	1000	1000	

Well shut in, waiting for pipeline connection.