

## WELL HISTORY

Reichhold Energy Corporation  
Well: Columbia County 43-11Section 11-6N-5W W.B.&M.  
Columbia County, Oregon

June, 1980

7, Paul Graham Drilling and Service Company moved in Rig No.1 and rigged up.

8, 420' Spudded in at 9:30 A.M. with 9-7/8" bit and drilled ahead.  
Shale and Clay  
Survey at 420' 0° 15'  
Ran 10 joints of 7" 20# K casing equipped with a guide shoe and cemented around shoe at 405' with 150 sacks of cement. Had cement returns at surface. Cement in place at 11:35 P.M.

9, Landed casing and installed 6" 900 screw on casing head. Installed and tested BOP equipment.  
Ran 6-1/4" bit and drilled out plug, cement below and shoe and drilled ahead.  
922' Clay and Sand

10, 2002' Clay and Sand  
Survey at 990' 0° 30'  
1690' 3° 0'  
2002' 5° 0'

11, 2618' Sand and Clay  
Survey at 2197' 7° 45'  
2294' NG

12, 3291' Sand, Clay and Volcanics

13, 3326' Volcanics  
Ran Schlumberger Dual Induction-SFL Log from 405' - 3308'.  
Ran Schlumberger Borehole Compensated Sonic Log from 405' - 3298'.  
Ran Schlumberger Dipmeter.  
Plug No.1 Hung drill pipe at 2661' and pumped in and equalized 40 sacks of cement. Calculated to fill to 2445'. Cement in place at 4:00 P.M.  
Plug No.2 Hung drill pipe at 526' and pumped in and equalized 67 sacks of cement treated with 3% CaCl<sub>2</sub>. Cement in place at 5:05 P.M.  
Located top of plug No.2 at 381'.

14, Cleaned out cement to 395'.  
Wait on cement.

15, Drilled out cement to 410'.  
Ran in with DynaDril and 6-1/4" bit and drilled ahead.

16, 516' Sand and Clay  
Survey at 458' 6° 0' N60W  
516' 9° 0' N65W  
Laid down DynaDril and drilled ahead.  
828' Sand and Clay  
Survey at 543' 8° 0' N75W

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16, cont. Survey at 574' 7° 30' N70W  
635' 6° 30' N50W  
665' 7° 30' N44W  
696' 8° 30' N35W  
758' 8° 30' N19W  
788' 8° 0' N13W  
818' 8° 0' N10W  
Pulled and re-ran DynaDril with bent housing. Drilled ahead.

958' Sand and Clay  
Survey at 849' 7° 0' N15E  
881' 11° 30' N16E  
912' 17° 0' N11E  
943' 21° 0' N17E

17, 1008' Sand and Clay  
Survey at 1008' 24° - N20E  
Laid down DynaDril and drilled ahead with drilling assembly.  
1346' Sand and Clay  
Survey at 1069' 26° - N20E  
1223' 27° 30' N20E  
1346' 27° 30' N22E  
Pulled drilling assembly.  
Repaired rig.

18, Completed rig repairs.  
Ran in with DynaDril and drilled ahead.  
1445' Clay and Sand  
Survey at 1396' 22° 45' N45E

19, Pulled DynaDril and ran drilling assembly. Drilled ahead.  
2109' Clay and Sand  
Survey at 1511' 22° 0' N50E  
1635' 23° 0' N52E  
1780' 26° 0' N50E  
1967' 29° 0' N52E

20, 2933' Clay and Sand  
Survey at 2152' 29° 0' N52E  
2347' 30° 0' N54E  
2532' 30° 0' N56E  
2747' 31° 0' N61E  
2933' 35° 0' N61E

21, 3415' Sand and Clay  
Survey at 3120' 38° 0' N61E  
3297' 42° 0' N60E  
3415' 44° 0' N60E

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21, cont. Ran Schlumberger Dual Induction-SFL Log from 410' - 3405'.  
Ran Schlumberger Sonic Log from 1400' - 3396'.

22, Ran Schlumberger Dipmeter.  
Ran 6-1/4" bit and drilled ahead.  
3626' Sand and Volcanics  
Survey at 3626' 49° 0' N60E  
Ran Schlumberger Dual Induction-SFL Log from 3200' - 3615'.

23, Plug No.1 Hung drill pipe at 2845' and pumped in 40 sacks of cement. Calculated to fill to 2629'. Cement in place at 3:40 A.M.  
Plug No.2 Hung drill pipe at 462' and pumped in 55 sacks treated with 3% CaCl<sub>2</sub>. Cement in place at 5:10 A.M.  
Located top of plug No.2 at 305'.  
Plug No.3 Hung drill pipe at 30' and filled 7" surface casing to surface with cement.  
Cut off casing 4' below ground and welded on steel plate.  
Hole abandoned in this condition.

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