

## WELL HISTORY

Reichhold Energy Corporation  
Well Hammerberg No. 1Section 14-6N-5W, W.B. & M.  
Columbia County, Oregon

September 1979

- 6, Paul Graham Drilling and Service Company moved in Rig No. 1 and commenced rigging up.
- 7, Completed rigging up  
Spudded in at 4:00 P.M. with 9-7/8" bit and drilled ahead.  
320' Clay
- 8, 415' Clay  
Ran 10 joints of 7" 20# K casing equipped with a B&W guide shoe and cemented around shoe at 398' with 150 sacks of Class II cement. Had good cement returns at surface.  
Cement in place at 7:30 A.M.  
Landed casing and installed 10" series 900 screw on casing head.  
Installed BOP equipment.
- 9, Tested BOP equipment with 1000 psi.  
Drilled out cement and shoe with 6-1/4" bit and drilled ahead.  
1,187' Siltstone
- 10, 1,322' Siltstone and Sand.  
DST No. 1 Ran Halliburton tester with no cushion and set packers at 1,303' and 1,308' with tail to 1,322'. Packers failed when tester opened.  
Drilled ahead with 6-1/4" bit.  
1,820' Siltstone and Sand.
- 11, 2,087' Siltstone and Sand.  
DST No. 2 Ran Halliburton tester with no cushion and set packers at 2,070' and 2,075' with tail to 2,087'. Packers failed when tester opened.

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- 12, Drilled ahead with 6-1/4" bit.  
2,851' Clay and Sand
- 13, OH Ran Welex Induction - electric log from 400' to 2,847'.  
Ran Welex Compensated Acoustic Velocity Log from 400' to 2,845'.  
Ran Welex Dipmeter  
Plug No. 1: Hung drill pipe at 2,271' and pumped in and equalized 60 sacks of cement. Calculated to fill to 1,947'. Cement in place at 1:20 P.M.  
Plug No. 2: Hung drill pipe at 1,413' and pumped in and equalized 75 sacks of cement. Calculated to fill to 1,008'. Cement in place at 2:00 P.M.  
Plug No. 3: Hung drill pipe at 617' and pumped in and equalized 65 sacks of cement. Cement in place at 3:00 P.M.  
Located top of plug at 324'. Approved by Department of Geology and Mineral Industries.
- 14, Waiting on orders.  
Ran in hole with 6-1/4" bit and cleaned out cement to 425'.  
Wait on cement.
- 15, REDRILL NO. 1  
Cleaned soft cement from 425' - 430'.  
Waiting on cement.
- 16, Cleaned out cement to 460' (KOP)  
Ran Dyna Drill with 6-1/4" bit and drilled ahead.  
785' Clay

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- 17, 999' Clay  
Pulled Dyna Drill and drilled ahead with drilling assembly.  
1,601' Clay and Sand.
- 18, 2,339' Clay and Sand.
- 19, 3,232' Sand and Clay.
- 20, 3,318' Sand and Clay.  
Ran Welex Induction - electric log from 460' to 3,313'.  
Ran Welex Compensated Acoustic Velocity Log from 460' to 3,315'.  
Ran Welex Dipmeter.  
Plug No. 1: Hung drill pipe at 2,450' and pumped in and equalized 40 sacks of cement. Calculated to fill to 2,234'. Cement in place at 8:00 P.M.  
Plug No. 2: Hung drill pipe at 611' and pumped in and equalized 65 sacks of cement. Cement in place at 8:45 P.M.  
Wait on cement.
- 21, Located top of Plug No. 2, at 360' at 12 noon. Witnessed and approved by the Department of Geology and Mineral Industries.  
Capped 7" surface casing at surface.  
Hole suspended in this condition.