

WELL HISTORY

Reichhold Energy Corporation  
Well Columbia County No.5

Section 10-6N-5W, WB& M.  
Columbia County, Oregon

June, 1979

- 21 Taylor Drilling Co, completed moving and rigging up Rig No. 4. Spudded in at 7:45 P.M. with 9 7/8" bit and drilled ahead  
140' Clay
- 22 423' Clay  
Ran 10 joints of 7" 20# casing equipped with a guide shoe and cemented around shoe at 399' with 150 sacks of Class 2 cement. No cement returns at surface. Cement in place at 12:15 P.M. Ran 1" pipe in annulus to top of cement. Cement failed to stay up in annulus. Cement in place at 9:15 P.M.
- 23 Ran 1" pipe in annulus to top of cement at 180'. Pumped in 50 sacks of cement which filled annulus to surface. Cement in place at 2:15 A.M.  
Installed casing head.  
Installed and tested BOP equipment. Test witnessed and approved by Mr. Vernon Newton of DOGMI.
- 24 Drilled out plug, cement below and shoe with 6 1/4" bit and drilled ahead  
1,360' Clay
- 25 2,235' Clay and Sand.
- 26 2,299' Clay and Sand.
- 27 Commenced coring with Reese Convention Core Barrel with 6 1/4" Draghead.  
Core No. 1 2299 - 2311 Rec. 9'.  
6' Ground up core and mud cake.  
3' Claystone, dark brownish gray. Micro Micaceous. Thin bedding gives an apparent low dip. Angle of dip uncertain because core reduced in size and jammed together at odd angles. Drilled ahead with 6 1/4" bit.  
2,789' Sand and siltstone.
- 28 3,116' Sand and siltstone.  
Ran Welex Induction electric log.  
Ran Welex Compensated Acoustic Velocity Log.  
Ran Welex Dipmeter.

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Section 10-6N-5W, W.B. & M.  
Columbia County, Oregon

June, 1979

- 29 Plug No. 1 Hung drillpipe at 2586' and pumped in 75 sacks of cement. Calculated to fill to 2181'. Cement in place at 9:15 A.M.  
Plug No. 2 Hung drill pipe at 915' and pumped in 25 sacks of cement. Calculated to fill to 780'. Cement in place at 10:20 A.M.  
Plug No. 3 Hung drillpipe at 615' and pumped in 70 sacks of cement. Cement in place at 12 noon.  
Located top of plug No. 3 at 411'  
Plug No. 3A Hung drill pipe at 411' and pumped in 30 sacks of cement. Cement in place at 9:30 P.M.
- 30 Located top of plug at 259'. Drilled out cement to 420'.  
Waiting on cement.

July, 1979

- 1 Cleaned out cement plug to 500'.  
Ran in hole with Dyna Drill and 6 1/4" bit and drilled ahead.  
852' Clay.
2. 1,047' Clay  
Laid down Dyna Drill and ran drilling assembly.  
1,543' Clay
- 3 1,770' Clay  
Ran Dyna Drill with 6 1/4" bit and drilled ahead.  
1,943' Clay
- 4 Laid down Dyna Drill and ran drilling assembly with 6 1/4" bit and drilled ahead.  
2,307' Siltstone.
- 5 2,416' Siltstone.
6. 2,523' Siltstone and sand.  
DST No.1 Ran Halliburton tester with no cushion and set packers at 2,504' and 2,510' with tail to 2,523'. Opened for 13 minute pre-flow. Light blow on bubble hose. Closed tool for 30 minute initial shut in pressure. Opened for flow on 5/8" bottom hole bean and 1/4" surface choke. Light blow. Gas to surface after 21 minutes of second flow period. Rate too low to measure. Closed for 30 min. Final shut in Pressure. Recovered a rise of of 1100' of slightly muddy, slightly gassy salt water grading to clear salt water. Salinity at top of rise 9200 ppm, middle of rise 16,000 ppm, bottom of rise 14,500 ppm.

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July, 1979

6 (Con't)

Pressures:(Field Readings)

	Top 2488'	Bottom 2500'
IHP	1160'	1175'
IF1	NR	189'
FF1	NR	252'
ISIP	930'*	944'*
IF2	219	326
FF2	449'*	505'*
FSIP	919'*	934'*
FHP	1,160'	1,207'

\* Pressures not stabilized.

- 2,557' Drilled ahead with 6 1/4" bit.  
Sand and siltstone.

- 7 3,128' Sand and Siltstone.  
Ran Welex Induction electric log.  
Ran WElex Dipmeter.

- 8 Plug No. 1 Hung drillpipe at 2,548' and pumped in 50 sacks of Class 2 cement. Calculated to fill to 2,278'. Cement in place at 4:45 A.M.  
Plug No. 2 Hung drill pipe at 986' and pumped in 25 sacks of Class 2 cement. Calculated to fill to 851'. Cement in place at 6:20 A.M.  
Plug No. 3 Hung drill pipe at 460' and pumped in 50 sacks of Class 2 cement.  
Cement in place at 7:00 A.M.  
Located top of plug No. 3 at 326'.  
Capped 7" surface casing at surface.  
Hole suspended in this condition.

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