

WELL HISTORY

Reichhold Energy Corporation  
Well No.: NNG-CZ No. 2

Sec. 8, T. 4N., R. 3W., W. B. & M.  
Columbia County, Oregon

October, 1975

- 17 Hunnicutt and Camp Drilling Co. moved in Rig No. 4 and rigged up.  
58' Sand and clay.
- 18 573' Sand, clay and boulders.  
Survey at 100' 0°-45'  
283' 0°-0'
- Ran 14 joints, or 569', of 9-5/8" 36# K LT&C casing equipped with B & W guide shoe and cemented around shoe at 565' with 100 sacks of Class G cement premixed with 8% gel, followed by 175 sacks of Class G cement. Displaced top rubber plug with water. No cement returns at surface. Cement in place at 10:00 p.m.
- 19 Located top of cement in annulus at 40' at 3:00 a.m.  
Hung 1" pipe at 40' in annulus and pumped in 50 sacks of Class G. Had good cement returns at surface.  
Landed casing and installed screw on 10" series 900 casing head.  
Installed and tested BOP equipment with 1000 psi.  
Drilled out plug at 515', cement below and shoe with 8-3/4" bit and drilled ahead.  
1,052' Shale.
- 20 2,206' Sand and shale.  
Survey at 1,638' 0°-15'
- 21 2,865' Sand and shale.
- 22 2,977' Basalt.
- 23 3,398' Basalt, sand and shale.  
Survey at 3,055' 2°-15'
- 24 3,875' Shale, sand and clay.
- 25 Lost and regained circulation.  
4,230' Sand, shale and siltstone.

WELL HISTORY

Reichhold Energy Corporation  
Well No.: NNG-CZ No. 2

Sec. 8, T. 4N., R. 3W., W. B. & M.  
Columbia County, Oregon

October, 1975

26	4,646'	Shale and sand.
27	4,976'	Shale and sand.
28	5,427'	Shale and sand.
29	5,698'	Shale and sand.
30	5,805'	Shale and sand.

Ran Welex Induction electric Log from 565' to 5801'.

Ran Welex Compensated Acoustic Velocity Log from 565' to 5801'.

Ran Welex Dipmeter.

31 Plug No. 1 Hung drill pipe at 627' and pumped in and equalized 100 sacks of cement. Cement in place at 5:00 p.m.

Cementing operations witnessed and approved by Mr. Vernon C. Newton of the State Department of Geology and Mineral Industries.

Located top of Plug No. 1 at 382' at 10:00 p.m.

Plug No. 2 Hung drill pipe at 60' and pumped in 30 sacks of cement, filling surface casing to surface. Cement in place at 11:00 p.m.

November, 1975

1 Cut off surface casing 4' below ground level and welded on steel plate.

Hole abandoned in this condition.