

WELL HISTORY

Reichhold Energy Corporation
Well No.: NNG - CZ No. 1

Sec. 22, T. 2S., R. 10W., W. B. & M.
Tillamook County, Oregon

August, 1975

- 3 Hunnicutt and Camp Drilling Company completed rigging up Rig No. 4.
Spudded in at 5:30 p.m. with 13-3/4" bit and drilled ahead.
70' Sand and clay.
Lost and regained circulation.
- 108' Sand and clay.
- 4 505' Sand and clay.
Survey at 162' 0°-30'
360' NG
427' 0°-30'
- Lost circulation while drilling at 505'.
Conditioned mud with loss circulation material.
- 5 Regained circulation and drilled ahead.
515' Clay.
Ran 14 joints, or 512', of 9-5/8" 36# casing equipped with a B&W guide shoe and one centralizer. Cemented around shoe at 508' with 140 sacks of Class G cement premixed with 8% gel, followed by 100 sacks of neat Class G cement. Displaced one top rubber plug with 217 cu.ft. of water. Had good cement returns at surface. Cement in place at 10:20 a.m.
Laid down landing joint.
Installed 10" Series 900 screw on head.
Installed BOP equipment.
- 6 Tested BOP equipment with 1600 psi for 15 minutes. Department of Geology declined to witness test.
Drilled out shoe with 8-3/4" bit and drilled ahead.
1,377' Clay and shale.
Survey at 986' 0°-45'
1,182' 1°-30'
1,377' 1°-45'

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- 7 1,983' Shale, sand and shells.
- 8 2,460' Shale and sand.
Survey at 2,112' 2°-45'
- 9 2,787' Sand and shale.
Survey at 2,578' 3°-15'
- 10 3,175' Sand, shale and clay.
Survey at 2,868' 2°-45'
- 11 3,728' Sand and shale.
Survey at 3,179' 2°-45'
- 12 4,057' Sand and shale.
Survey at 3,806' 3°-0'
- 13 4,492' Sand and shale.
- 14 4,768' Sand and shale.
Survey at 4,610' 3°-0'
- 15 4,998' Shale and sand.
- 16 5,283' Shale and sand.
- 17 5,554' Shale and sand.
Survey at 5,441' NG
- Dropped pipe while pulling to change bits.
Screwed into fish and pulled. Laid down bent drill pipe.
Left three cones in hole.
- 18 Ran junk basket and drilled on junk. Pulled basket - no recovery.
Ran Servco mill and junk sub. Drilled on junk. Recovered few small pieces in junk sub.
- 19 Reran junk basket and drilled on junk.
5,557' Shale.
Recovered one cone and pieces of mill in basket.
Waited for electric logging equipment.

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- 20 Ran Welex Induction-electrical Log from 5,541' to 508'.
Ran Welex Compensated Acoustic Velocity Log from 5000' to 508'.
Ran Dipmeter.
- 21 Plug No. 1 Hung drill pipe at 560' and pumped in and equalized 80 sacks of Class G cement treated with 3% CaCl₂. Cement in place at 12:15 a.m.
Located top of Plug No. 1 at 407'. Location and hardness of top of plug witnessed and approved by Mr. Vern Newton of State Department of Geology and Mineral Industries.
Plug No. 2 Hung drill pipe at 60' and filled surface casing with cement from 60' to 18'.
Cut off surface casing 4' below ground level and welded on steel plate.
Hole abandoned in this condition.

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