WELL HISTORY

Reichhold Well: C-Z		Corporation Section 36-5N-4W, W.B.& M Columbia County, Orego
November,	1979	
4,		Brinkerhoff-Signal moved in Rig No. 61 and rigged up.
5,		Rigging up.
6,		Rigged up.
7,		Spudded in at 5:30 A.M. with 12-1/4" bit and drilled ahead.
· · · ·	46'	Sand and Clay
		Washed out around conductor.
	·	Hung drill pipe at 46' and pumped in 90 sacks of Class II Cement treated with 3% CaCl ₂ . Stopped for 10 minutes and pumped in 20 sacks of Class II treated with 3% CaCl ₂ . Cement in place at 12:30 P.M.
		Washed cement out of mousehole.
		Drilled out firm cement from 31' to 46' and lost return around conductor and to mouse hole.
		Hung drillpipe at 46' and pumped in and equalized 60 sacks of Class II Cement treated with 3% CaCl ₂ . Cement in place at 7:15 P.M.
8,		Drilled out cement 30' - 32' and drilled ahead.
	401'	Sand and Clay
		Lost 85 bbls of mud at 342'. Regained circulation.
		Survey at 100' 0° 0'
		Survey at 300' 0° 0'
9,	623'	Sand and Clay
		Survey at 500' 0° 0'
		Survey at 623' 0° 30'

-1-

x 1.

Reichhold Energy Corporation Well: C-Z No. 4

672.71'

November, 1979

9, Measured out.

673'

Sand and Clay

Ran 18 joints of 8-5/8" 24# casing equipped with B&W guide shoe and insert fill-up valve on top of shoe joint.

Cemented around shoe at 673' with 350 sacks of Class II Cement treated with 2% CaCl₂. Used top rubber plug but did not bump plug. Had approximately 85 Cu.Ft. of returns at surface. Bled off and check held. Cement in place at 9:50 P.M.

Casing Details:

Guide Shoe	1.06'
1 Joint 8-5/8" 24# K	39.40'
Insert Fill-up Valve	-0- '
16 Joints 8-5/8" 24# K	620.25'
l Landing Joint	19.00'
	679.71'
Up	7.00'

Shoe @

10,

Backed out landing joint.

Installed 8" Series 900 Screw on Head.

Installed BOP equipment.

11, Tested blind rams with 1,150 psi.

12, Tested BOP equipment with 1,100 psi. Witnessed and approved by DOGAMI.

Drilled out plug, insert, cement below and shoe with 7-7/8" bit and drilled ahead.

1,126'

Shale and Siltstone

Survey at 928' 0° 15'

WELL HISTORY

Reichhold Well: C-		Corporation			S	ection 36 Columbi	-5N-4W, a Count	
November,	1979							
13,	1,682'	Sand	and Siltstone					I
			Survey at 1,211'	0°	15'			
			Survey at 1,526'	1°	0'			
14,	2,304'	Sand	and Siltstone					
			Survey at 1,838'	. 0°	45'			
15,	2,523'	Sand	and Basalt	·				
	-		Survey at 2,367'	0°	30'			
16,	3,076'	Basa	lt, Sand, Siltstone	· .				
			Survey at 2,850'	1°	0			
17,	3,637'	Sand	and Siltstone					
			Survey at 3,554'	0°	45'			
18,	4,022'	Silt	stone and Shale					
			Survey at 4,022'	1°	30'			
19,	4,460'	Silt	stone and Shale					
			Survey at 4,460'	1°	45'			
20,	4,863'	Sand	and Siltstone					
			Survey at 4,863'	2°	15'			
21,	5,108'	Sand	and Siltstone					
			Survey at 5,079'	2°	15'			,
22,	5,377'	Sand	and Siltstone					
			Survey at 5,377'	NG				
23,	5,609'	Sand	and Siltstone					
1								

WELL HISTORY

	ichhold 11: C-2		Corporation	Section 36-5N-4W, W.B.& M. Columbia County, Oregon
No	vember,	1979		
	24,	5,752'	Sand and Siltstone	
			Survey at 5,609'	3° 15'
	25,	5,950'	Sand and Siltstone	
			Survey 5,782'	3° 45'
	26,	6,063'	Sand and Siltstone	
			Ran Welex Dual Induction Guard	Log from 673' - 6,062'
			Ran Welex Dipmeter.	
	27,		Ran Welex Compensated Acoustic 6,058'.	Velocity Log from 673' -
			Welex attempted 15 Sidewall Sa Descriptions attached.	mples and recovered 5.
	28,		Laid down excess drill pipe.	
			<u>Plug No. 1</u> : Hung drill pipe a equalized 90 sacks of Class II CaCl2. Cement in place at 12:	Cement treated with 3%
			Located top of plug No. 1 at 5	31'.
			Witnessed and approved by DOGA	MI.
			Plug No. 2: Hung drill pipe a casing to surface with cement. 5:30 P.M.	t 61' and filled 8-5/8" Cement in place at
			Removed casing head.	· · ·
			Cut off surface casing 4' belo on steel plate.	w ground level and welded
			Hole abandoned in this conditi	on.