

District	WESTERN	County	COLUMBIA	State	OREGON
Field	MIST	Lease or Unit	COLUMBIA COUNTY	Well no.	31-34-65
Author or W.C. No.	R46541	Title	DRILL AND EVALUATE		

1780' TEL AND 886' FNL OF NE CORNER, SEC. 34, T6N, R5WNB&M

Operator	ARCO OIL AND GAS COMPANY			ARCO W	1,000,000
Start date or W.O. begun	spud	Date	9-29-87	Hour	1800 hrs
Date and depth as of 9:00 a.m.		Prior status of a W.C.			

Date and depth as of 9:00 a.m.	Complete record for each day required
2	September 29, 1987 MIRU Taylor Rig #4. Expect to spud mid-afternoon today.
1/2	September 30, 1987 TD: 432' (392') - Short trip MUD: 9.0 ppg VIS: 48 Finish rig up. Accepted rig 1300 hrs 9/29/87. Mixed mud. <u>Spud at 1800 hrs 9/29/87.</u> Drilled 12-1/4" hole 40' - 380' (problems with flow line plugging). Hole packed off at 380'. Work free. Drilled 12-1/4" hole 380' - 432', hole taking mud. Total loss approximate 110 bbls. CBU. Wiper trip to surface (tight).
1-1/2	October 1, 1987 TD: 473' (40') - NU BOPE (5-1/2" @ 2312') MUD: 8.9 ppg VIS: 40 Short trip. Drilled 12-1/4" hole 432'-473' (no mud lost). CBU. Short trip. CBU. POOH. <u>Ran 11 joints 9-5/8" 36# K-55 BTC casing (shoe at 472', float collar at 425')</u> . Cemented with 250 sx Class "G" cement with 2% CaCl ₂ , 1/4 #/sx Flocele (mixed at 15.8 ppg). Good circulation with 12 bbls cement returns. Bumped plug with 500 psi. Floats held. CIP 1710 hrs 9-30-87. WOC. Cut casing. Weld on bradenhead. Tested weld to 1500 psi.
2-1/2	October 2, 1987 TD: 827' (354') - Drilling (5-1/2" @ 2312') MUD: 8.7 ppg VIS: 37 NU BOPE. Tested same. RIH 8-1/2" bit. Tagged float collar at 425'. GO float equipment and cement. Tested casing to 1000 psi. Drilled 8-1/2" hole 473'-522'. POOH. RIH dyna drill. Drilled and surveyed 522'-827'.
5-1/2	October 3, 1987 TD: 2344' (1517') - POOH for logs (5-1/2" @ 2312') MUD: 10.5 ppg VIS: 37 Drilled and surveyed 827'-1199'. POOH. LD dyna-drill. RIH. Reamed 522'-1199'. Drilled and surveyed 1199'-2344'. Wiper trip (tight). CBU. Wiper trip. CBU. Chain out of hole.

The above is correct		
Signature	Date	Title
<i>Sandy [Signature]</i>	12/11/87	DISTRICT DRILLING ENGINEER

For form preparation and distribution, see Procedures Manual, Section 10, Drilling, Pages 86 and 87.

RBS
12/10/87