

Instructions: Prepare and submit the "Initial Report" on the first Wednesday after a well is spudded or a discovery operation is started. Daily work prior to spudding should be summarized on the form giving inclusive dates only.

District WESTERN	County or Parish COLUMBIA COUNTY	State OREGON
Field MIST	Lease or Unit COLUMBIA COUNTY	Well no. 14-23
Auth. or W.O. no. R46206	API #: 36-009-00161	Title DRILL & EVALUATE

SHL: 1099.69' E & 102.97' S of SW Corner, Sec 23, T6N, R5W, NB&M, Columbia County, Oregon

Operator ARCO OIL AND GAS COMPANY	A.R.Co's W.I. 1.000000
Spudded or W.O. begun SPUD	Date 8-5-86
	Hour 2300 HOURS
	Prior status if a W.O.

Date and depth as of 8:00 a.m.	Complete record for each day reported
1/4 8-6-86	TD: 92' (72') - Orient dyna drill (13-3/8" @ 20') MIRU. Accept rig and spud well at 2330 hrs, 8-5-86. Drill 12-1/4" hole 20' - 37'. Pick up dyna drill. Drill 37' - 92'. Survey to orient dyna drill.
1-1/4 8-7-86	TD: 436' (344') - Prepare to cut off conductor (9-5/8" @ 433') Dyna drill and survey 92' - 436'. CBU. Wiper trip, 20' fill. CBU with gel sweep. POOH. Run 9 jts 9-5/8" 53.5# L-80 BTC casing and 1 jt 9-5/8" 36# K-55 STC casing with one BTC to STC crossover joint, shoe at 433', float collar at 401'. Circulate clean. Cement with 10 bbl water ahead of 203 sx Class G + 3% CaCl ₂ + .25% Flocele (15.9 ppg). Good circulation with 1 bbl cement returns. Did not bump plug. Floats did not hold. CIP at 0245 hrs, 8-7-86. WOC. RD cementing equipment.
2-1/4 8-8-86	TD: 436' (0') - Test BOPE (9-5/8" @ 433') MUD: 9.4 ppg VIS: 36 PV/YP: 6/5 GEL: 0/1 pH: 9.5 SOLIDS: 7 Cut 13-3/8" conductor. Cut off 9-5/8" casing. Weld on 9-5/8" x 11" 3M casing head. Test weld to 1500 psi. NU BOPE. Test all lines, valves, and rams to 250 psi and 2000 psi.
5-1/4 8-9,10,11	TD: 2180' (1744') - Wiper trip (9-5/8" @ 433') MUD: 10.5 ppg VIS: 38 PV/YP: 16/11 GEL: 2/12 pH: 9.0 WL: 5.8 SOLIDS: 18 BGG: 13 - 25 units MAX: 2300 units at 1391' TG: 1000 units at 1652' Test BOPE. Pipe rams leaking, no spare parts. Test casing to 1500 psi. RIH. Tag TOC at 385'. CBU. Wait on parts. Replace pipe ram rubbers. Test rams 250 psi and 2000 psi. Drill float equipment and cement to 410'. CBU. Test casing to 1500 psi. Drill cement and shoe. Drill 436' - 443'. Circulate and condition. Perform LOT (EMW = 15.2 ppg). Drill 8-1/2" hole and survey 443' - 1391'. Circulate and raise mud weight from 9.9 ppg to 10.2 ppg (2300 units gas). Drill 1391' - 1434'. Circulate and raise mud weight from 10.2 ppg to 10.4 ppg (1300 units gas). Drill and survey 1434' - 1652'. Wiper trip. Drill and survey 1652' - 2180'.
6-1/4 8-12-86	TD: 2180' (0') - POOH to run casing (9-5/8" @ 433') MUD: 10.8 ppg VIS: 37 PV/YP: 20/12 GEL: 2/13 pH: 9.0 WL: 6.2 SOLIDS: 20 Wiper trip. Circulate and condition. POOH. Run DIL/BHC/GR, FDC/CNL/GR, and Dipmeter from 2180' - 433'. RIH. Circulate and condition. POOH. Ran check shots. RIH. Circulate and condition to run 5-1/2" casing. POOH laying down drill pipe.

The above is correct		
Signature R. L. THOMAS <i>Randy Thomas</i>	Date 9/24/86	Title DISTRICT DRILLING ENGINEER

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

Kilpan

Number all daily well history forms consecutively as they are prepared for each well.	Page no. /
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