

Instructions: Prepare and submit the "Initial Report" on the first Wednesday after a well is spudded or workover operations are 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 GAS FIELD	Lease or Unit CAVENHAM FOREST INDUSTRIES	Well no. 33-9
Auth. or W.O. no. R46249 API #: 36-009-00189	Title DRILL & EVALUATE	

SHL: 1695' N & 2525' N OF SE CORNER, SEC 9, T5N, R4W, WB&1, COLUMBIA COUNTY, OREGON

Operator ARCO OIL AND GAS COMPANY	A.R.Co's W.I. 1.000000
Spudded or W.O. begun SPUD	Date 8-27-86
	Hour 1400 HOURS
	Prior status if a W.O.

Date and depth as of 8:00 a.m.	Complete record for each day reported
3/4 8-28-86	TD: 279' (239') - Spot LCM pill #3 (13-3/8" @ 40') MUD: 8.7 ppg VIS: 35 Spud mud Spud well at 1400 hrs, 8-27-86. Drill 12-1/4" hole 40' - 259'. Lost circulation. Spot LCM pill #1. POOH. Wait on LCM 3 hrs. RIH. Clean out to TD. Drill 259' - 279' with no returns. Hole getting tight. Spot LCM pill #2. POOH. Wait on LCM. Attempt to fill hole with water. Mix LCM pill #3. RIH.
1-3/4 8-29-86	TD: 460' (181') - POOH to run 9-5/8" casing (13-3/8" @ 40') MUD: 8.5 ppg VIS: 32 PV/YP: 6/4 GELS: 2/5 pH: 10 Pump LCM pill #3, regain circulation. POOH. Drill 12-1/4" hole 279' - 363', lost circulation. Spot LCM pill #4. POOH. Wait on LCM (fluid level at 40'). RIH OEDP. Spot LCM pill #5, regain circulation. POOH. Drill 12-1/4" hole 363' - 460', lost circulation. POOH. RIH OEDP. Spot LCM pill #6 at 360'. POOH. Attempt to fill hole, still losing mud. RIH. Spot LCM pill #7 at 344'. POOH. Wait on pill. Fill hole. RIH. Circulate and condition mud. Wiper trip. Circulate and condition mud.
5-3/4 8-30,31, 9-1,2	TD: 1665' (1205') - POOH, check for washout (9-5/8" @ 449') MUD: 9.1 ppg VIS: 35 PV/YP: 6/4 GELS: 1/3 pH: 9.0 WL: 6.0 SOLID: 7 POOH. Run 11 jts of 9-5/8" casing with shoe at 449', float collar at 368'. CBU. Cement with 58 sx Class G + 3% CaCl ₂ mixed at 15.8 ppg, tail with 220 sx Class G + 3% CaCl ₂ + .25% Flocele mixed at 15.8 ppg. Displace with 28 bbl mud. Did not bump plug. Lost circulation after 10 bbl displacement. No cement to surface. CIP at 1138 hrs, 8-31-86. WOC. Run 1" to 40' in 13-3/8" x 9-5/8" annulus. Pump top job of 92 sx Class G + 3% CaCl ₂ mixed at 15.8 ppg. No cement to surface. Pump top job of 46 sx Class G + 3% CaCl ₂ + 40# LCM mixed at 15.8 ppg with cement to surface. WOC. Cut casing. Install casing head. Test weld to 1500 psi. NU BOPE. Test same. Test casing to 1500 psi. RIH. Tag TOC at 319'. Clean out to 460'. Drill 460' - 470'. LOT (13.6 ppg EMW). Drill 8-1/2" hole 470' - 648'. POOH. RIH Dynadrill. Drill 648' - 727'. Lost circulation. POOH. Lay down Dynadrill. RIH OEDP. Spot LCM pill at 727'. POOH. RIH 8-1/2" bit. Clean out to 727'. Drill 727' - 953' (40% - 50% returns). Wiper trip. Drill 953' - 1072' (70% - 80% returns). Lost circulation. POOH. Bit and stab balled up. RIH. Drill 1072' - 1665' (partial returns 1225' - 1285'). POOH.

The above is correct

Signature R. L. THOMAS	Date 1/16/87	Title DISTRICT DRILLING ENGINEER
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For form preparation and distribution, see Procedures Manual, Section 10, Drilling, Pages 86 and 87.