ARCO Oil and Gas Company | **Daily Well History—Initial Report**

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	County or Parish	State
WESTERN	COLUMBIA COUNTY	OREGON

Field	Lease or Unit	Well no.
MIST GAS FIELD	CAVENHAM FOREST INDUSTRIES	12-12

Auth. or W.O. no.	Title
R46311 API #: 36-009-00208	DRILL & EVALUATE

SHL: 1536' S & 385' E OF NW CORNER, SEC 12, T5N, R5W, WB&M, COLUMBIA COUNTY, OREGON

Operator	A.R.Co.'s W.I.
ARCO OIL AND GAS COMPANY	1.000000

Spudded or W.O. begun	Date	Hour	Prior status if a W.O.
SPUD	9-24-86	1415 HOURS	

Date and depth as of 8:00 a.m.	Complete record for each day reported
3/4 9-25-86	TD: 475' (435') - WOC (9-5/8" @ 468') MUD: 9.0 ppg VIS 47 PV/YP: 10/14 MIRU. Spud well at 1415 hrs, 9-24-86. Drill 12-1/4" hole 40' - 475'. Run 11 jts of 9-5/8" 36# STC and 47# LTC casing with shoe at 468', float collar at 379'. Cement with 250 sx Class G + 3% $CaCl_2$ + .25% Flocele mixed at 15.8 ppg. Good circulation with 10 bbl cement returns. CIP at 0322 hrs, 9-25-86. Prepare to cut casing.
1-3/4 9-26-86	TD: 480' (5') - Drilling 8-1/2" hole (9-5/8" @ 468') MUD: 9.2 ppg VIS 35 PV/YP: 4/15 WOC. Cut casing. NU wellhead and BOPE, test same. Clean out cement and float equipment. Drill 475' - 480'. Pressure integrity test 13.7 ppg EMW.
5-1/4 9-27,28,29	TD: 1892' (1412') PBTD: Surface - Rig released (9-5/8" @ 468') Drilled 8-1/2" hole 480' - 1740'. Hole started taking fluid. Mix LCM, regained circulation. Drilled 1740' - 1892'. Ran DIL/BCS from 1881' - 268', FDC/CNL from 1884' - 268', Dipmeter from 1887' - 900'. RIH. Lay down excess pipe. RIH OEDP to 528'. Pump 90 sx Class G + 3% $CaCl_2$ mixed at 15.8 ppg. CIP at 0030 hrs, 9-28-86. Lay down excess pipe. WOC. Tag TOC at 311', witness by DOGMI. Lay down pipe. Set surface plug from 20' to surface with 10 sx Class G + 3% $CaCl_2$. Cut casing. RD. Rig released 1600 hrs, 9-28-86.

EBS 1/22/87

The above is correct

Signature	Date	Title
R. L. THOMAS Gillian Schaefer for RLT	1/20/87	DISTRICT DRILLING ENGINEER

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

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