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 COLUMBIA COUNTY		OREGON
MIST GAS FIELD		CAVENHAM FOREST INDUSTRIES		Well no. 41-4
Auth. or W.O. no. R46338 API #	: 36-009-00205	DRILL & EVAL	JATE	
SHL: 1095.50' S	& 865.04' W OF	NE CORNER, SEC 4,	T5N, R4W, WB&M, COLUM	
Operator ARCO OIL AND GAS COMPANY				A.R.Co's W.I. 1.000000
Spudded or W.O. begun		9-10-86	Hour 0100 HOURS	Prior status if a W.O.
oate and depth is of 800 do. a.m.	Complete record for each day	reported		
1/4 9-10-86	TD: 228' (198') MIRU. Spud wel		10-86. Drilled 12-1/4	(13-3/8" @ 30') 4" hole 30' - 228'.
1-1/4 9-11-86	TD: 442' (214') - RU drill floor, prepare to test BOPE (9-5/8" @ 441') MUD: 8.8 ppg VIS: 42 PV/YP: 17/9 GELS: 4/13 pH: 9.6 WL: 11.6 SOLID: 3.5 Drill 12-1/4" hole 228' - 442'. Wiper trip. CBU. POOH. Run 11 jts of 9-5/8" 53.5#, 40#, and 36#, L-80 and K-55, BTC, STC, and LTC casing with shoe at 441', float collar at 400'. Pump 10 bbl water ahead of 250 sx Class G + 3% CaCl ₂ + .25% Flocele mixed at 15.9 ppg. Displace top plug with mud. Bumped plug. Good circulation with 10 bbl cement returns. CIP at 1800 hrs, 9-10-86. Cut off casing. Weld on casing head. Test to 1500 psi. NU BOP. Test blind rams and casing to 1000 psi.			
2-1/4 9-12-86	TD: 1251' (809') - Drilling ahead (9-5/8" @ 441') MUD: 9.3 ppg VIS: 39 PV/YP: 11/7 GELS: 3/17 pH: 11.1 WL: 8.8 SOLID: 7 Test BOPE to 1000 psi. RIH. Tag plug at 397'. Drill float collar and cement to 420'. Test casing to 1000 psi. Drill cement and shoe. Drill 442' - 452'. Circulate and condition mud. Perform pressure integrity test to 13.7 ppg MWE. Drill 8-1/2" hole 452' - 1251'.			
5-1/4 9-13,14,15-86	MUD: 10.6 ppg pH: 8.4 WL: Drill 8-1/2" ho DIL/BHC/SP, hit FDC/CNL/GR from	7.2 SOLID: 14 ole 1251 - 2584'. bridge at 440'.	P: 13/7 GELS: 2/7 CBU. Wiper trip. Cl POOH. Wiper trip. In Dipmeter 2584' - 44	Run DIL/BHC/SP and
6-1/4 9-16-86	TD: 2584' (PBTD: 608') - Orient mud motor to kick off (9-5/8" @ 441') MUD: 9.5 ppg VIS: 39 PV/YP: 11/6 GELS: 2/12 pH: 12.2 WL: 9.8 SOLID: 8 Ran SWS gun #2; total 60 shots (lost 3, recovered 57). RIH OEDP. Set plug #1 from 1672' - 1522' with 54.5 sx Class G + 1% Halad-322 + 3% CaCl2 mixed at 15.9 ppg. CIP at 1012 hrs, 9-15-86. POOH. Lay down excess pipe. RIH OEDP. Set kick off plug from 647' - 397' with 95 sx Class G + 1% Halad-322 + 3% CaCl2 mixed at 16.8 ppg. CIP at 1217 hrs, 9-15-86. POOH. Lay down excess pipe. WOC. RIH. Tag hard cement at 600'. Drill hard cement 600' - 608'. Circulate and condition mud. POOH. RIH dynadrill.			

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

Number all daily well history forms consecutively as they are prepared for each well.

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