

Instructions: This form is used during drilling or workover operations. If testing, coring or perforating show formation name in describing work performed. Number all drill stem tests sequentially. Attach description of all cores. Work performed by Producing Section will be reported on "Interim" sheets until final completion. Report official or representative test on "Final" form 1; Submit "Interim" sheets when filed out but not less frequently than every 30 days, or (2) on Wednesday of the week in which oil string is set. Submit weekly for workovers and following setting of oil string until completion.

District WESTERN	County or Parish COLUMBIA COUNTY	State OREGON
Field MIST	Lease or Unit COLUMBIA COUNTY	Well no. 14-23

Date and depth as of 8:00 a.m.	Complete record for each day while drilling or workover in progress
7-1/4 8-13-86	TD: 2180' (PBD: 1539') - Fill pits with water (5-1/2" @ 1650') POOH laying down drill pipe and collars. Run 39 jts of 5-1/2" 17# K-55 LTC casing with shoe at 1650', float collar at 1564'. Circulate and condition mud. Pump 20 bbl Mud Flush spacer (8.3 ppg) ahead of 510 sx Class G + 3% KCl + 1% CFR-2 + 0.1% Halad-4 + 1% CaCl <sub>2</sub> mixed at 15.9 ppg. Displace top plug with 37.5 bbl fresh water. Did not pump plug. Floats held. Good circulation with 16 bbl cement returns. CIP at 1219 hrs, 8-12-86. Lift BOP and set slips. ND BOP. Make final cut on 5-1/2". NU tubing spool. Test seals to 2500 psi. NU BOP. Function test BOP. RIH bit and scraper. Tag TOC at 1539'.
8-1/4 8-14-86	TD: 2180' (PBD: 1563') - Prepare to flare and test (5-1/2" @ 1650') CBU. Clean out 1539' - 1563'. CBU. POOH. Run CBT/CET. Test casing to 2000 psi for 30 min. RIH 2-3/8" tubing with tail at 1288'. ND BOP. NU tree. Test to 2000 psi. RU N <sub>2</sub> lines.
9-1/4 8-15-86	TD: 2180' (PBD: 1563') - Rig released (5-1/2" @ 1650') Displace hole with N <sub>2</sub> . RU lubricator. Test lubricator and casing to 1500 psi with N <sub>2</sub> . Bleed back to 100 psi. Perforate 4 HPF from 1442' - 1450' and 1358' - 1378'. RD lubricator. Test well. Shut well in. RD. Release rig at 2300 hrs, 8-14-86.

The above is correct		
Signature R. L. THOMAS <i>R. L. 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