

Instructions: The form is used to record the drilling, completion, and production data for each well. It is to be filled out by the driller or completion engineer. The data should be recorded on this form as soon as possible after the work is performed. The form should be filled out for each day of drilling, completion, or production. The form should be filled out for each day of drilling, completion, or production. The form should be filled out for each day of drilling, completion, or production.

District	WESTERN	County or Parish	COLUMBIA	State	OREGON
Field	MIST	Lease or Unit	COLUMBIA COUNTY	Well no.	31-34-65

Date and depth as of 8:00 a.m.	Complete record for each day while drilling or workover in progress
6-1/2	<p>October 4, 1987 TD: 2344' (0') - WOC (5-1/2" @ 2312') MUD: Fresh water</p> <p>POOH. Ran DIL/BHC/SP/OR and FDC/CNL/CAL 2336'-472'. Wiper trip. Ran 56 jt. 5-1/2" 17# K-55 LTC 8rd casing (shoe at 2312', float collar at 2224'). CBU. Cemented with 403 sx Class "G" with 10% salt, 1% Halad 322 (mixed at 16.4 ppg) tailed with 382 sx Class "G" with 10% salt, 1% Halad 322, 0.2% Super CBL. Displaced top plug with water. Full circulation with no cement returns. Did not bump plug. Floats did not hold. CIP 0235 hr 10/06/87. Shut well in with 500 psi.</p>
7-1/4	<p>October 5, 1987 TD: 2344' (PBSD: 2224') - Prep to test casing (5-1/2" @ 2312') MUD: N/A</p> <p>Performed top job at 105' with 42 sx Class "G" cement (mixed at 15.8 ppg). Had 3 sx returns. CIP 0935 hrs 10/6/87. Prep to ND BOPE and observed well. Did additional top job with 3 sx Class "G" cement. CIP 1400 hrs 10/6/87. PU BOPE. Landed casing. Cut 5-1/2" casing. NU tubing head. Tested to 2000 psi. NU BOPE. RIH bit and scraper. Tagged TOC 2096'. CBU.</p>
8	<p>October 6, 1987 TD: 2344' (PBSD: 2095') - Rig released (5-1/2" @ 2312') MUD: N/A</p> <p>Tested casing to 1000 psi. POOH. RIH 2-3/8" tubing. Landed with tail at 1780'. ND BOPE. NU tree. Tested to 2000 psi. Clean pits. Released rig 2200 hrs 10/7/87</p>
9	<p>October 7, 1987 TD: 2344' (PBSD: 2095') - Turned over to production (5-1/2" @ 2312')</p> <p>Flow tested well. Secured well. RD equipment.</p>

The above is correct		
Signature	Date	Title
<i>[Signature]</i>	12/11/87	DISTRICT DRILLING ENGINEER

For form preparation and distribution see Procedures Manual Section 10, Drilling, Pages 36 and 87

2BS
12/10/87