

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, parish or borough Columbia	State OR
Field Mist	Lease or Unit Longview Fibre	Well no 11-31-64
Auth. or W.O. no API #009-00214	Title Plug & Abandon	
Section 31, Township 6 North, Range 4 West (Property Code M830016F5)		
Operator ARCO OIL AND GAS COMPANY		ARCO W.I. 100%
Spudded or W.O. begun Workover	Date 10/15/90	Hour Shut-In
Date and depth as of 8:00 a.m. Complete record for each day reported		

10/15/90 (1)
TD: 1745'

5-1/2" @ 1730'
SHUT DOWN FOR NIGHT
MOVE IN TANK & PUMP. SET BOP & ACCUM, RU. KILL WELL W/LEASE WATER. SET BPSV. ND TREE, NU BOPE. FUNCT TEST OK. PULL 18-1/2 STANDS (37 JTS) 2-3/8 TBG. MU 4-3/4" BIT & 5-1/2" 17# CSG SCRAPER. RUN BIT & SCRAPER T/1368', TOH W/SAME. MU BAKER MODEL 'A' LOK-SET RETRVBL PACKER W/WL GUIDE ON 2-3/8" TBG. TIH W/PACKER T/1300'. SHUT IN WELL F/NIGHT. WILL SET PACKER & PERF 10/16/90.

10/16/90 (2)
TD: 1745'

5-1/2" @ 1730'
SHUT DOWN FOR NIGHT
RIG DOWN 2 HRS, TROUBLE W/MOTOR. SET BAKER MODEL 'A' LOK-SET PACKER @ 1317.85'. TEST PCKR THRU TBG T/1000 PSI, OK NO FLOW F/BACKSIDE. NU TREE, RU ATLAS, RUN NEUTRON CORREL LOG. MU 1-11/16" STRIP GUN, TIH PERF 1328-1336 4 SPF. ALL SHOTS FIRED. RD ATLAS, RU T/SWAB. SWAB WELL T/1220'. WELL ACTS . LIKE LOADING UP W/WATER. SHUT-IN F/NIGHT F/PRESS BUILD UP.

10/17/90 (3)
TD: 1745'

5-1/2" @ 1730'
MOVE T/CC 34-4-65
CHK PRESS ON WELL AFTER OVERNIGHT SHUT-IN. 0 PSI. FLUID LEVEL @ 850'. SECURE WELL. WILL P&A LATER IN PRGM. RD & MOVE TO CC 34-4-65.

10/29/90 (4)
TD: 1730'

5-1/2" @ 1730'
SDFN - PREP T/P&A
MIRU. **ACCEPT RIG 1030 HRS 10/29/90.** RU ATLAS TIH W/TBG RELIEF SHOT. SHOOT 2 0.5" HOLES @1310. TOH, BOTH SHOTS FIRED. RU TO KILL WELL. PMPD 60 BELS LEASE WATER DN TBG W/RTNS F/ANNUL. WELL NOT DEAD. RAN OUT OF WATER. SI WELL F/NIGHT.

The above is correct:

Signature <i>R. D. Hattis</i>	Date <i>11/7/90</i>	Title DISTRICT DRILLING ENGINEER
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For form preparation and distribution, see Procedures Manual, Section 10 Drilling, Pages 86 and 87.

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 during the usual dates on job.

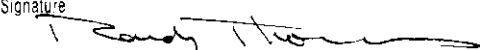
District Western	County Columbia	State Oregon
Field Mist	Lease or unit Longview Fibre	Well no. 11-31-64
Auth. or W.C. no. AFE - R46532	Title Drill	

633'S and 519' E from the NW Corner, S31/T6N/R4W, MBD & M, Columbia County

Operator ARCO	APCO well 100
Spudded or W.C. begun Spudded	Prior status of a W.C.
Date 7/29/87	Hour 1615 Hrs.

Date and depth as of 6:30 a.m.	Completed records for each day, spudnet
1/2 7-30-87	<p>Longview Fibre - 11-31-64 TD: 456' (416') - Running 9-5/8" casing (13-3/8" @ 40') MUD: 9.0 ppg VIS: 47 RU Taylor Rig #4. Accept rig at 1415 hrs, 7-29-87. <u>Spud well at 1615 hrs, 7-29-87.</u> Drill 12-1/4" hole 40' - 456'. CBU. Wiper trip. CBU. POOH. RU to run 9-5/8" casing.</p> <p>Final location survey: 663.40' South & 519.79' East from NW Corner, Section 31, T6N, R4W. GLE = 953.20'</p>
1-1/2 7-31-87	<p>TD: 456' (0') - NU BOPE (9-5/8" @ 456') MUD: 9.0 ppg VIS: 47 <u>Run 11 jts of 9-5/8" 47# and 36#, L-80 and K-55 BTC casing with shoe at 456', float collar at 411.63'.</u> CBU. Cement with 235 sx Class G cement + 2% CaCl² + 1/4 #/sx Flocele mixed at 15.8 ppg. Displace with mud. Bump plug with 900 psi. Good circulation with 5 bbl cement returns. Floats held. CIP at 0900 hrs, 7-30-87. WOC. Cut conductor and 9-5/8" casing. Weld on 9-5/8" SOW bradenhead. Test weld to 1500 psi. NU BOPE.</p>
4-1/2 8-3-87	<p>TD: 1745' (1289') - NU tubing spool (5-1/2" @ 1730') MUD: 10.3 ppg VIS: 49 NU BOPE, test same. Drill float collar and cement to 442'. Test casing to 1000 psi. Drill cement and float shoe to 456'. Drill 8-1/2" hole 456' - 1745'. CBU. POOH. RU loggers. RIH DIL, stopped at 515'. RD loggers. Wiper trip. RU loggers. <u>Run DIL/SP 1738' - 456'; run FDC/CNL 1736' - 456'.</u> RD loggers. Wiper trip. <u>Run 40 jts of 5-1/2" 17# K-55 LTC casing with shoe at 1730', float collar at 1642'.</u> CBU. Pump 30 bbl Mud Flush. Cement with 210 sx Class G + 5% KCl + 1% Halad-322 mixed at 16.4 ppg, tail with 245 sx Class G + 5% KCl + 1% Halad-322 + .2% Super-CBL mixed at 16.8 ppg. Displace top plug with mud. Bump plug with 1500 psi. Good circulation with no cement returns. Recovered 25 bbl Mud Flush. Estimated TOC in annulus 100' - 120'. CIP at 2244 hrs, 8-2-87. WOC. PU BOPE. Set slips. Cut casing. ND BOPE. Set packoff. NU tubing spool.</p>
5-1/2 8-4-87	<p>TD: 1745' (0') - Change over to water (5-1/2" @ 1730') MUD: 10.3 ppg VIS: 49 NU tubing spool. NU BOPE. RIH 4-3/4" bit and 5-1/2" casing scraper. Tag float collar at 1642'. CBU. POOH. <u>Run CBL 1642' - 130'.</u> RIH 2-3/8" tubing to 1642'. Prepare to change over to water.</p>
6	<p>TD: 1745' (PBTD: 1642') - Release rig (5-1/2" @ 1730')</p>

The above is correct

Signature 	Date 7/11/87	Title District Drilling Engineer
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