

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.

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|---|--|-----------------------------|
| District Western | County, parish or borough Columbia | State OR |
| Field Mist | Lease or Unit Longview Fibre | Well no. 41-35-65 |
| Auth. or W.O. no. API #009-00182 | Title Plug & Abandon | |
| Section 35, Township 6 North, Range 5 West | | (Property Code M830016F1) |
| Operator ARCO OIL AND GAS COMPANY | | ARCO WI 100% |
| Spudded or W.O. begun Workover | Date 11/4/90 | Hour Shut-In |
| Date and depth as of 8:00 a.m. | Complete record for each day reported | |

11/04/90 (1)
TD: 1585'

5-1/2" @ 1570'
PREP T/P&A, SNFN
MIRU. **ACCEPT RIG 1230 HRS.** SITP/SICP 275 PSI. RU & BLOW DOWN WELL. PUMP 58.6 BBL LEASE WATER W/NO RTNS. SD PUMP & CHK FOR FLOW. WELL DEAD. SET BPSV, ND TREE, NU BOPE. FUNCTION TEST BOPE, OK. RIH W/TBG T/CHK PBD. TBG STOPS @1312', PBD REPORTED AS 1433'. LAST 2 JTS OF TBG RIH ACTED LIKE GOING THRU TRASH OR FILL. CIRC DN TBG, TBG NOT PLUGGED. MEASURE OUT. TBG TAIL MEASURED AT 1194', PROGNOSIS SHOWS 1196'. TIH T/1298', NO PROBLEMS. CONTINUE IN TO 1361', TBG STOPS AT 1361'. CIRC DN TBG, OK, NOT PLUGGED. POOH W/40,000 LBS OVER-PULL T/1298'. PULL T/1235' W/NO PROBLEM. TIH T/1298'. SECURE WELL. SDFN.

11/05/90 (2)

5-1/2" @ 1570'
WELL P&A'D, RIG RELEASED
OPEN WELL, CHK F/FLOW. WELL DEAD. RU HALLIB, MIX & PUMP 58 SX 'G'+3% CACL+0.5 LB/SX FLO SEAL LCM. RATE 2 BPM, PRESS 900 PSI BALANCE PLUG. CIP 0730 HRS. GOT RTNS AFTER PMPING 7 BBLs CMT. POOH LD 16 JTS TBG. WOC 3 HRS. RIH T/TAG TOP OF CMT. THEOR TOP 798'. RIH T/976' W/O TAGGING CMT. REVERSE OUT GREEN CMT. CIRC CLEAN. RU HALLIB PUMP 112 SX 'G'+3% CACL IN 2 STAGES. RATE 4 BPM, PRESS 300 PSI. CMT T/SURF @1115 HRS. RD CMTRS, ND BOPE. CLEAN PIT. **RELEASE RIG 1300 HRS.** P&A WITNESSED & APPROVED BY DAN WERMIEL, DOGAMI.

11/10/90 (3)

CUT OFF WELLHEAD. MIX 10' SURFACE PLUG. WELD PLATE ON STUB.

| | | |
|----------------------------------|------------------------|--|
| The above is correct: | | |
| Signature <i>R. L. Vetter</i> | Date <i>11/7/90</i> | Title DISTRICT DRILLING ENGINEER |

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

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| Number all daily well history forms consecutively as they are prepared for each well | Page No. 1 of 1 |
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| District WESTERN | County or Parish COLUMBIA COUNTY | State OREGON |
| Field MIST GAS FIELD | Lease or Unit LONGVIEW FIBRE | Well no. 41-35 |
| Auth or W.O. no. R46222 API #: 36-009-00182 | Title DRILL & EVALUATE | |

SHL: 635.88' S & 364.09' W OF NE CORNER, SEC 35, T6N, R5W, WB&M, COLUMBIA COUNTY, OREGON

| | | | |
|--------------------------------------|----------------------------|--------------------|------------------------|
| Operator ARCO OIL AND GAS COMPANY | A.R. Co's W.I. 1.000000 | | |
| Spudded or W.O. begun SPUD | Date 8-16-86 | Hour 2230 HOURS | Prior status if a W.O. |

| Data and depth as of | Complete record for each day reported |
|------------------------|--|
| 8:00 a.m. 6:00 a.m. | |
| 1-1/4 8-17, 18-86 | TD: 445' (415') - Change out Hydril rubbers (9-5/8" @ 442') MIRU. Spud at 2230 hrs, 8-16-86. Drill 12-1/4" hole 30' - 445'. Circulate and condition. Wiper trip. POOH. Run 11 jts of 9-5/8" 53.5# L-80 and 36# K-55 casing with shoe at 442', float collar at 398'. Circulate and condition. Pump 10 bbl water ahead of 203 sx Class G + 3% CaCl ₂ + .25% Flocele mixed at 15.9 ppg. Displace with mud. Good circulation with 1 bbl cement returns. Did not bump plug. Floats held. CIP at 1708 hrs, 8-17-86. Cut off 9-5/8". Weld on head. Test to 1500 psi. NU BOP. |
| 2-1/4 8-19-86 | TD: 1001' (556') - Drilling ahead (9-5/8" @ 442') MUD: 10.0 ppg VIS: 40 PV/YP: 10/10 GEL: 6/12 pH: 11.5 WL: 7.2 SOLID: 8 Change hydril rubber. Test blind rams and casing to 1500 psi. Test BOPE to 250 psi and 2000 psi. RIH. Tag TOC 393'. Drill cement and float equipment. Drill 8-1/2" hole 445' - 455'. Circulate and condition. Perform LOT (17.8 ppg without leak off). Drill 455' - 466'. Circulate and condition. Perform LOT (21.2 ppg without leak off). Drill 8-1/2" hole 466' - 700'. Trip for BHA. Drill 700' - 1001'. |
| 3-1/4 8-20-86 | TD: 1585' (584') - Logging FDC/CNL/GR (9-5/8" @ 442') MUD: 11 ppg VIS: 37 PV/YP: 14/7 GEL: 0/6 pH: 10.6 WL: 7 SOLID: 15.5 BGG: 175 units TG: 3076 units Drill 8-1/2" hole 1001' - 1101'. Hole packed off. Work pipe and clean up hole. Wiper trip. Drill 1101' - 1306'. Circulate gas cut mud. Weight up 10.1 ppg to 10.5 ppg. Drill 1306' - 1585'. CBU. Wiper trip. Circulate and condition. Weight up 10.5 ppg to 10.9 ppg. Wiper trip. Circulate and condition. Weight up 10.9 ppg to 11.0 ppg. CBU. POOH. Run <u>DIL/BHC/SP, sonic failed</u> . RIH FDC/CNL/GR. |
| 4-1/4 8-21-86 | TD: 1585' (PBD: 1434') - Prepare to cut 5-1/2" casing (5-1/2" @ 1570') Run FDC/CNL/GR from 1585' - 445'. Wiper trip. Run Sonic from 1581' - 445', dipmeter from 1585' - 445', check shots from 1584' - 500'. RIH 8-1/2" bit. Circulate and condition. POOH laying down drill pipe. Run 37 jts of 5-1/2" 17# K-55 casing with shoe at 1570', float collar at 1434'. Circulate and condition mud. Cement as follows: 5 bbl water, 40 bbl Mud Flush at 9.8 ppg, 5 bbl water, 208 sx Class G + 10% salt + 1% Halad-322 mixed at 15.8 ppg, followed by 185 sx Class G + 10% salt + 1% Halad-322 mixed at 16.8 ppg. Displace top plug with 35.5 bbl water. Bump plug with 1200 psi, floats held. CIP at 0326 hrs, 8-21-86. Good circulation with trace returns. Land casing. ND BOPE. |

The above is correct

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|---|-----------------|-------------------------------------|
| Signature R. L. THOMAS <i>Randy Thomas</i> | Date 9/24/86 | Title DISTRICT DRILLING ENGINEER |
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For form preparation and distribution, see Procedures Manual, Section 10, Drilling, Pages 86 and 87.

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