

ARCO Oil and Gas Company Well History - Initial Report - Daily

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 BENSON	Well no. 14-7-64
Auth. or W.O. no. API: #009-00243	Title NEW DRILL	

1068.5'N & 307.8'E F/ SW COR S7/T6N/R4W, WB&M

Operator ARCO OIL AND GAS COMPANY	ARCO W.I. 100%
Spudded or W.O. begun SPUDED	Date 10/07/88
Hour 	
Proprietor W.B. & M.	

Date and depth as of 8:00 a.m.	Complete record for each day reported
<p>-1 10-07-88</p> <p>2-1/4 10-10-88</p> <p>3-1/4 10-11-88</p> <p>4-1/4 10-12-88</p>	<p>BENSON #14-7-64 (C.C., OR) Paul Graham #4 R46991 TD: 40' (0') MIRU (13-3/8" @ 40')</p> <p>MIRU. Plan to spud on Saturday 10/8/88.</p> <p>TD: 1013' (973') Drlg MW: 9.3 VIS: 42 SHL: 1068.5'N & 307.8'E f/ SW Corner S7/T6N/R4W GLE: 934'</p> <p>MIRU. Accept rig @ 1500 hrs 10/7/88. Spud @ 2330 hrs 10/7/88. Drill 12-1/4" hole t/ 200'. WT to bit. TIH. CBU. POOH. PU mud motor and 2-1/2° bent sub. TIH. Orient motor. Directionally drill and survey f/ 200' to 399'. POOH. LD 2-1/2° bent sub. PU 2° bent sub. TIH. Orient motor. Drill & survey f/ 399'-552'. Fill @ survey points. Raise mud weight to 9.3 ppg. POOH. LD mud motor. MU 90' building assembly. TIH. Ream 330' to 552'. Drill f/ 552'-713'. POOH. Change to 60' building assy. TIH. Ream 683'-713'. Drill f/ 713'-894'. POOH. Change to locked assy. TIH. Drill f/ 894'-1013'. Surveys: 135' 1° S26E, 233' 3° S11E, 294' 5°30', 355' 8°30', S44E, 416' 11°15' S47E, 446' 12°15' S47E, 477' 13° S48E, 567' 17° S46E, 658' 20° 45' S45E, 750' 25°30' S45E, 842' 29°45' S44E, 930' 32°15' S44E</p> <p>TD: 1079' (66') NU BOPE MW: 9.4 VIS: 41 (9-5/8" @ 1079')</p> <p>Drill 12-1/4" hole f/ 1013'-1079'. WT to bit. CC mud for csg. POOH. RU & ran 25 jts 9-5/8" 36# K-55 STC csg. Shoe @ 1079'. MP 522 sx Class "G" + 2% CaCl₂ + 1/4 #/sx flocele @ 15.8 ppg. 10 bbis cmt to surface. CIP @ 2300 hrs 10/10/88. Cut off 13-3/8" & 9-5/8" csg. Weld on 9-5/8" x 11" 3M SOW. Test to 1500 psi. NU BOPE. Surveys: 1054' 34°30' S42E</p> <p>TD: 1255' (176') POOH f/ BHA MW: 8.9 VIS: 39</p> <p>NU BOPE. Test to 1000 psi (DOGMI witnessed). TIH. Drill FC & cmt to 1052'. Test csg to 1000 psi. Drill 8-1/2" hole to 1084'. CC mud. POOH. PU 6-1/4" bit and 30' dropping assy. Drill 6-1/4" hole f/ 1084'-1255'. CBU. POOH. Surveys: 1162' 32° S42E 1230' 30°45' S42E</p>

The above is correct Signature <i>[Signature]</i>	Date 3/3/89	Title DISTRICT DRILLING ENGINEER
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For form preparation and distribution, see Field Manual, Section 10, Drilling Equipment and 87.