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# **MERRION**

Oil & Gas

January 27, 1997

Wayne Townsend  
Bureau of Land Management  
Farmington District Office  
1235 LaPlata Highway  
Farmington, NM 87401

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OIL CON. DIV.  
DIST. 3

RE: Eagle Mesa #1, Conversion to Water Injection, Well History

Dear Mr. Townsend

Attached please find the missing morning reports for the subject well history. This should cover the liner installation and deepening to the current depth. If you need any further information, please give me a call.

Sincerely



Connie Dinning  
Contract Engineer

enclosure

**ACCEPTED FOR RECORD**

FEB 03 1997

**FARMINGTON DISTRICT OFFICE**

610 Reilly Avenue • Farmington, New Mexico 87401-2634 • 505-327-9801 / 505-326-5900 (Fax) *MT*

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97 JAN 29 AM 10: 52

EAGLE MESA - Unit #1

070 FARMINGTON, NM

DRILL REPORTS

April 10 '95, Mon.

7:00 AM MIRU.TOH w/3.5" tbg. Pickup horizontal tools. TIH w/35  
jts 2 7/8" Hydrilltbg, 60 jts 3.5" tbg. S.D. due to high  
wind. TOH w/70 jts 3.5 " tbg during night. SION.  
Daily Cost \$5,500.00

MIRU	7.5 hrs
Trips	6.5 hrs
Pickup BHA	2.0 hrs
S.D. High Winds	8.0 hrs

April 11 '95, Tues.

7:00 AM 5465'. Trip. Cleanout hole to 5455'. TOH for motor  
failure. TIH. Drilled to 5465'. Slow drilling. TOH. TIH  
w/new bit. Bit #1, Hughes J-33 rerun. Bit #2, Reed EHP-  
51A, 3N CL 6056.  
Daily Cost \$18,800.00; Cummul \$24,300.00

Trips	11.75 hrs
WL	4.5 hrs
Drilling and Circulating	7.75 hrs

April 12 '95, Wed.

7:00 AM 5542'. Trip out of <sup>hole</sup> to run liner. Drilled new hole from  
5465' to 5542' in 8 hrs. MW 8.5, VISC 45. 5542' measured  
depth, Incl 54.8°, AZ-188.6° and TVD 5455'. Would be very  
difficult to obtain a 90° incl @ TVD of 5485'.  
Daily Cost \$16,800.00; Cummul \$41,100.00

Drill	8 hrs
Wash & Circulate	3.75 hrs
Trips	7.25 hrs
Pickup & laydown drill collars and drill pipe	5.0 hrs

Eagle Mesa, Unit #1  
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April 13 '95, Thurs.

7:00 AM 5542' TOH. Pick up and run 4.25" liner, 13 jts, 11.6#, N-80, 525.79' and Baker 4.5" liner hanger. Got stuck @ 5460', Worked loose, c/n go down hole. TOH. Left liner hanger & liner in hole. TIH w/5" spear. TOH, recovered 6.5' of liner hanger. Hanger parted at a thread only 1" in depth. The liner hanger is a piece of junk.  
Daily Cost \$16,100.00; Cummul \$57,200.00

Trips, BU & Laydown tool	12.5 hrs
w/o Baker	2.0 hrs
Fishing for Liner	7.0 hrs
w/o fishing tool	2.5 hrs

April 14 '95, Fri.

7:00 AM 5542' TIH w/4" spear, could not pull up hole, worked liner loose, ran down hole to 5540'. Could not release spear. Worked liner loose. TOH. Recovered liner hanger and liner, junk on top of liner hanger. The liner hanger is a real piece of junk. Lay down liner hanger 2 7/8" PH-6 tubing, and 10 drill collars. Ran 130 jts, 3.5", EUE tubing in hole. Prepare to rigdown.  
Daily cost \$11,800.00; Cummul \$69,000.00

w/o Fishing Tools	2.5 hrs
TIH	2.5 hrs
Fishing for Liner	5.0 hrs
TOH, Laydown drill collars and liner	6.0 hrs

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EAGLE MESA - Unit #1

DRILL REPORTS

April 25 '95, Tues.

7:00 AM 5542'. MIRUPU and DE. TOH w/3.5" tbg. TIH w/Drillex 2",  
4.75" motor, and 10 drill collars. SION.  
Daily Cost \$6,400.00; Cummul \$75,400.00

MIRUPU & DE	7.0 hrs
Trips	5.0 hrs

April 26 '95, Wed.

7:00 AM 5542'. Wash to TD. Bad spots from 5420' to 5510'. Made  
several short trips. TOH. Start in hole w/ 4.5" liner.  
Daily Cost \$8,950.00; Cummul \$84,350.00

Trip	6.0 hrs
Short trips & Circ	15.0 hrs
TIH w/Liner	3.0 hrs

April 27 '95, Thurs.

7:00 AM 5542'. Ran 17 jts, 4.5", 11.6#, N-80csg (714.78'). Set at  
5542'. Float collar at 5498'. Top of Baker liner hanger  
at 4809'. Cemented w/100sx class B, 2% cacl. Flushed w/48  
bbls. Bumped plug at 10:50 AM. Reversed out, no cement.  
TOH. TIH w/3 7/8" mill tooth bit. pressured tested csg to  
300 psi, bled off to 190 psi in 12 min. Pumped .50BPM at  
400 psi. Bled off to 300 psi in 9 min. Held 300 psi for  
15 min. Pumped 80 BW down tbg swabbed fl to 1300'. FL  
came up to 700'.  
Daily Cost \$17,650.00; Cummul \$102,000.00

TIH w/Liner	1.5 hrs
Cement	1.75 hrs
Trips	14.5 hrs
Pressure Test	1.25 hrs
Swab	5.0 hrs

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April 28 '95, Fri.

7:00 AM Swabbed fluid to 1800'. TOH. TIH w/Baker FB Pkr set at 4475'. Pressure tested below Pkr 2000 psi to 1500 psi in 5 min. Above pkr-0.5 BPM at 500 psi. TOH. TIH w/3 7/8" bit. Drilled cement, float collar and shoe. TOH.  
Daily Cost \$10,050.00; Cummul \$112,050.00

Swab	1.5 hr
Pressure Test	1.0 hr
Trip	12.5 hr
Drill Cement	2.0 hr

April 29 '95, Sat.

7:00 AM 5583'. Made 41' in 8.5 hrs. TIH w/2 7/8" motor, set at 2 3/4° motor not building proper angle. TOH. Setting sleeve on motor failed. TIH w/2 7/8" motor set at 3°. Control drilling. Bit #3, ATJ-33,RR,SN X97WC made 37' in 5 hrs. Bit #4,ATJ-33,SN X99WC, made 4' in 3.5 hrs.  
Daily Cost \$15,650.00;Cummul \$127,700.00

Drilling	8.5 hrs
Trips	12.0 hrs
Surveys	.5 hrs
c/o motors	3.0 hrs

April 30 '95, Sun.

7:00 AM 6005'. Made 442' in 13.5 hrs. Drilled end of Arc to 5650'. Incl 90.4°. TVD 5488.7'. Coord 285'S 57'W. TOH. TIH w/2 7/8" motor, set at 1.25°. Bit #4, ATJ-33, made 426' in 17 hrs.  
Daily Cost \$15,950.00; Cummul \$157,600.00

Drilling	13.5 hrs
PU 10 drill collars	1.25 hrs
Circ	.75 hrs
Trips	8.5 hrs