

Distribution:

Orig+4 (BLM); 1-Crystal; 1-Accounting; 1-Well File

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

5. Lease Designation and Serial No.

**NOO-C-14-20-2717**

6. If Indian, Allottee or Tribe Name

**Navajo Allotted**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**Merrion Oil & Gas Corporation**

3. Address and Telephone No.

**610 Reilly Avenue, Farmington, NM 87401-2634 (505) 327-9801**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**330' fnl & 330' fel  
Section 14, T19N, R4W**

7. If Unit or CA, Agreement Designation

**Eagle Mesa Unit**

8. Well Name and No.

**EMU H No. 3**

9. API Well No.

**30-043-20192**

10. Field and Pool, or Exploratory Area

**Eagle Mesa Entrada**

11. County or Parish, State

**Sandoval County,  
New Mexico**

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other **Horizontal Entrada  
drilling**

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached drilling reports

**RECEIVED**  
AUG - 8 1996  
**OIL CON. DIV.**  
DIST. 3

**RECEIVED**  
BLM  
96 JUL 25 PM 12:24  
070 FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct

Signed

**Steven S. Dunn**

Title

**Operations Manager**

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

**JUL 29 1996**

**ACCEPTED FOR RECORD**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**FARMINGTON DISTRICT OFFICE**  
BY **228**

\*See instruction on Reverse Side  
NMOCD

# MERRION OIL & GAS CORPORATION

## DRILLING

### EMU H No. 3

**June 29, 1996**      **ON REPORT**

**Day No.**                      1

Work Detail:                MIRU 6/28/96. PU drill collars and tubing. (JJ)

**June 30, 1996**

**Day No.**                      2  
**Depth:**                      5031'

Work Detail:                Mill 7" casing. Milled 21' in 5-1/2 hrs. Visc. 41, MW 8.5. TOH. TIH. Ran directional survey and GR-Correlation log. (JJ)

Breakdown: Milling 5-1/2 hrs, Trips 6-1/2 hrs, Logging 4-1/2 hrs, Down time 7-1/2 hrs.

**July 1, 1996**

**Day No.**                      3  
**Depth:**                      5035'

Work Detail:                Shut down pumps. Mill 4' in 3 hrs. (JJ)

Breakdown: Milling 3 hrs, Circ 1/2 hr, Down pumps 20-1/2 hrs.

**July 2, 1996**

**Day No.**                      4  
**Depth:**                      4806'

Work Detail:                WOC. Mill 7" casing from 5035' thru 5090, made 55' in 11-3/4 hrs. MW 8.6. Visc. 49. TOH. TIH open ended. Set 100 sx Class G, 16 PPG. Cement plug at 5207', reverse out 9 bbls of cement at 4806' at 2:00 AM. TOH, TIH 6-1/4" bit. (JJ)

Breakdown: Milling 11-3/4 hrs. Circ 1 hr, Trips 9-1/4 hrs. Set cement plug 1 hr. WOC 1 hr.

**July 3, 1996**

**Day No.**                5  
**Depth:**                5046'

Work Detail:            PU horizontal tools. Drilled cement from 4865' to 5039'. Drilled 100% of formation till 5046'. (JJ)

Breakdown Time: Drlg 5-1/4 hrs, Circ 1-1/2 hrs, Trip 4-1/4 hrs, WOC 13 hrs.

**July 4, 1996**

**Day No.**                6  
**Depth:**                5091'

Work Detail:            SD pumps. Made 45' in 7-1/2 hrs. MW 8.5, Visc. 40. TIH with Bit #1, 6-1/4", Reed EHP 53, SN DM 3251, Motor at 2.12. (JJ)

Brkdwn Hrs: Drlg 7-1/4 hrs, Circ 1/2 hr, Trip 3 hrs, WL 3-3/4 hrs, PU tools 3 hrs, Dwn Power Swivel 1 hr, Dwn Pumps 5-1/2 hrs.

**July 5-6, 1996**            Shut down for Holiday and weekend.

**July 7, 1996**

**Day No.**                7  
**Depth:**                5122'

Work Detail:            Drilling. Made 31' in 5 hrs. MW 8.5, Visc. 37. (JJ)

Brkdwn Hrs: Drlg 5 hrs, Trip 1 hr, WL 1 hr, SD 17 hrs.

**July 8, 1996**

**Day No.**                8  
**Depth:**                5315'

Work Detail:            Drilling. Made 193' in 17 hrs. MW 8.3, Visc. 40. Made 6' in 4 hrs. TOH 80 jts, hole in drill pipe. Bit #1 made 269' in 29-1/4 hrs. (JJ)

Brkdwn Hrs: Drlg 17 hrs, Trip 4 hrs, WL 3 hrs.

**July 9, 1996**

**Day No.** 9  
**Depth:** 5480' MD Drilling

Work Detail: Drilled 165' - 24 hrs, Mud 8.4 ppg, 41 Sec Vis. Bit #1 - Reed HP 53 - 434' in 53.25 hrs. Todilto Anhydrite @ 5388' TVD, 5460' MD. Last survey at 5435' MD, 55.8°, 166.4° Az, 230.1' south, 32.4' east. (JJ)

**July 10, 1996**

**Day No.** 10  
**Depth:** 5512' Drilling

Work Detail: Drilled 32' - 7 hrs, Mud 8.3, Visc. 45. Bit #1 made 463' in (5046'-5509') 59-3/4 hrs. Bit #2 Smith 6-1/4", F4P, SN LE 7765. (JJ)  
Breakdown: Drlg 7 hrs, Circ 1/2 hr, Wash to bottom 1/4 hr, Trip 7-3/4 hrs, WL 5-1/2 hrs, CO motor & bit 2 hrs, SD Rain 1 hr.

**July 11, 1996**

**Day No.** 11  
**Depth:** 5613'

Work Detail: Drld 101' in 19-1/2 hrs. MW 8.3, Visc. 59., Bit #2 made 104' in 20-1/2 hrs (5509' - to 5613'). Made short trip. Last survey 5580', Incline 79.7°, AZ 173.1°, TVD 5429.85, 360'S and 61'W. Projected the bit, measured depth 5613', Incline 85.6°, TVD 5434.1, Projected top of Entrada 5438' and 17' high. (JJ)  
Breakdown Hrs: Drlg 19-1/2 hrs, Circ 1 hr, WL 1-1/4 hr, Short trip 2-1/4 hrs.

**July 12, 1996**

**Day No.** 12  
**Depth:** 5613'  
**Current :** WOC

**Work Detail:** Made short trip. TOH. Ran 16 jts 673' of 4-1/2", 11.6#, J-55 liner. Baker liner hanger set at 4929', cement with 150 sx of Class G cement. Reversed out 75 sx cement. TOH. TIH with 3-3/4" bit. (JJ)

**Breakdown Hrs:** Short Trip 1-1/2 hr., Trip 11 hrs, Circ 2 hrs, PU Liner 4 hrs, Cement 1 hr, Down on pump 1 hr, WOC 3-1/2 hrs.

**July 13, 1996**

**Day No.** 13  
**Depth:** 5618'  
**Current :** TOH

**Work Detail:** TIH. Drill cement 5170' to 5614'. Drill formation 5614' to 5618'. TOH. (JJ)

**Breakdown Hrs:** Drlg 12-3/4 hrs, Circ 1/4 hr, Trip 7-1/2 hrs, WOC 3-1/2 hrs.

**July 14, 1996**

**Day No.** 14  
**Depth:** 5625'  
**Current :** Drilling

**Work Detail:** Drill 7' in 1-1/2 hrs. MW 8.6, Visc. 41. TOH. PU Bit #3, Smith MF15G, 3-7/8", SN LD4526. TIH with 1-3/8" survey tool, it did not work. TOH. Change out orienting sub for 1-3/8" survey tool. TIH. (JJ) **Breakdown hrs:** Drlg 1-1/2 hrs, Trip 8-1/2 hrs, WL 7-1/2 hrs, PU Tools 1-1/2 hrs, SD 5 hrs.

**July 15, 1996**

**Day No.** 15  
**Depth:** 5713'  
**Current :** Waiting on overshot

**Work Detail:** Made 88' in 14 hrs. MW 8.6, Visc. 41. Drilling slowed down. TOH. Motor parted, left rotor and bit in hole. Bit #3 made 95' in 15-1/2 hrs. (JJ) **Breakdown hrs:** Drlg 14 hrs, Trip 4 hrs, Circ 1/4 hr, WL 2-3/4 hrs, Lay down tools 3/4 hr, SD 2-1/4 hrs.

**July 16, 1996**

**Day No.** 16  
**Depth:** 5713' MD  
**Current :** Washing to bottom

**Work Detail:** MW 8.6, Visc. 40. TIH with overshot. TOH, did not recover fish. TIH with overshot. TOH recovered fish. TIH with Bit #4, 3-7/8", Hughes STR30, SN T44XP. (JJ)  
**Breakdown Hrs:** Trips 3-1/2 hrs, Fish 6-1/2 hrs, WL 1 hr, Wash to bottom 1-1/2 hrs, Waiting on fishing tools 1-1/2 hrs.

**July 17, 1996**

**Day No.** 17  
**Depth:** 5733' MD  
**Current :** Shut Down

**Work Detail:** Drilled 20' in 3-3/4 hrs. MW 8.6, Visc. 40. Motor not performing. TOOH. Waiting on Drillex Motors. (JJ)  
**Breakdown Hrs:** Drlg 3-3/4 Hrs, Circ 3/4 Hr, Trips 3 Hrs, WL 1 Hr, LD tools 1/2 Hr, SD 15 hrs.

**July 18, 1996**

**Day No.** 17  
**Depth:** 5733' MD  
**Current :** Shut Down

**Work Detail:** Waiting on Drillex Motors. (JJ)

**July 19, 1996**

**Day No.** 18  
**Depth:** 5900' MD  
**Current :** Drilling

**Work Detail:** Made 167' in 12-1/2 hrs, MW 8.7, Visc. 42. TIH with Drillex motors. Drilled to 5733' in 48-3/4 hrs. Change out steering tools. Drilled 152' in 9-1/2 hrs. (JJ)

**Breakdown Hrs:** Drlg 12-1/2 hrs, Circ 1 hr, Trip 5-3/4 hrs, WL 4-1/4 hrs, PU Tools 1/2 hr.

**July 20, 1996**

**Day No.** 19  
**Depth:** 6215' MD  
**Current :** Drilling

**Work Detail:** Made 315' in 12-1/4 hrs, MW 8.7, Visc. 38. TOH, CO bit, motor and jet sub. Bit #4 made 169' in 13-3/4 hrs. Bit 35, Hughes, 3-7/8", STR30, SN P87XN, made 313' in 11 hrs. (JJ)

**Breakdown Hrs:** Trip 5-1/2 hrs, Drlg 12-1/4 hrs, WL 2 hrs, WO bit sub 2 hrs, Circ 3/4 hr, CO tools 1-1/2 hrs.

**July 21, 1996** **OFF REPORT**

**Day No.** 20  
**Depth:** 6617' MD  
**Current :** Rigging down.

**Work Detail:** Made 402' in 11-1/4 hrs. MW 8.7, Visc. 37. TOH to 4980'. Displace with FW. LD DP & Dc. Bit #5 made 715' in 22-1/4 hrs. (JJ)

**Breakdown Hrs:** Drlg 11-1/4 hrs, Trip 6 hrs, Circ 1-1/4 hrs, WL 1 hr, Displace FW 1 hr, Rig Down 3-1/2 hrs. (See attached report)

**Hookup Status as of Monday 7/22/96 per TLM**

1. Treater from PWU #1 cleaned out, moved to EMU Battery and set in place.
2. Tanks (2 - 400 bbls) drained, broke out and ready to be moved from Arena Blanca to EMU Battery.