

Form 3160-5  
(June 1990)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 19935. Lease Designation and Serial No.  
NM-87227

6. If Indian, Allottee or Tribe Name

## 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

## SUBMIT IN TRIPLICATE

## 1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Water Injection Well

## 2. Name of Operator

Merrion Oil &amp; Gas Corporation

## 3. Address and Telephone No.

610 Reilly Ave., Farmington, NM 87401-2634 (505) 327-9801

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

460' fsl & 330' fw1 (sw sw)  
Section 12, T19N, R4W7. If Unit or CA, Agreement Designation  
Coop Area  
Eagle Mesa Entrada

## 8. Well Name and No.

EMU NO. 1

## 9. API Well No.

30-043-20175

10. Field and Pool, or Exploratory Area  
Eagle Mesa Entrada

## 11. County or Parish, State

Sandoval, 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 Injection well☐ 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.)

RECEIVED  
FEB - 5 1997  
OIL CON. DIV.  
DIST. 3

## 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.)

Merrion has recompleted the above referenced well as an water injection well as follows:

11/13/96 MIRU Big "A" Rig #16 11-13-96. SDFN.

11/14/96 Well had no pressure. Install 7" tubing head. NU BOP. PU 7" Csg scraper, strap/rabbit &amp; RIH w/ 2-7/8" EUE work string. Tag 4-1/2" liner top at 4,820' KB. Flush the w/ water. TOOH w/ csg scraper. SDFN

11/15/96 PU 7" RBP and 7" packer. TIH. Set RBP at 4801'. LD 1 joint tbg. Set packer at 4771'. Press tested RBP to 500 psi - OK. Press tested csg above packer, leaked off. POH, testing csg for leak. Located leak in 7" casing between 2150' and 2180'. Pumped into leak at 400 psi and 1 BPM. TOH with packer and LD RBP. Retrieving head. Secured well and SDFN and weekend.

\*\*\* CONTINUED OTHER SIDE \*\*\*

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

Signature Steven S. DunnTitle Drig & Prod ManagerDate 1/6/97

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

ACCEPTED FOR RECORD

FEB 03 1997

FARMINGTON DISTRICT OFFICE

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11/18/96 | <p>TIH with Baker 7" fullbore packer. Set packer at 2000'. RU Cementers Inc. Establish injection rate of 1.4 BPM at 550 psi. Load casing and pressure up to 500 psi. Squeeze casing leak with 50 sx Class B cement and 2% CaCl<sub>2</sub> (59 cu.ft.). Displace below packer. Shut down and start hesitation. SI holding 600 psi. RD Cementers Inc. Secure well, SDFN. (8 bbls cement outside pipe).</p>                                                                                                                                                                                                                          |
| 11/19/96 | <p>Release packer. TOH, LD packer and PU 7" casing scraper, 6-1/4" bit. TIH, tag cement at 2098'. RU power swivel, drill out <math>\pm</math> 78' cement. Press test csg to 500 psi, leaked off 100 psi in 5 mins. TOH, LD scraper and bit. TIH, open-ended to 2179'. WO Cementers. RU Cementers and spot 10 sx Class G cement (12 cu.ft.). TOH, PU 7" fullbore packer. TIH and set packer at 2000'. Displaced .5 bbls cement at 1000 psi, leaked off 50 psi in 10 mins. Displaced .1 bbl cement. Press holding at 1050 psi, pumped a total of .6 bbls. Shut in. RD Cementers. Secure well. Shut down until Thursday 10/21/96.</p> |
| 11/21/96 | <p>Release 7" packer. TOH, PU 7" casing scraper and 6-1/4" bit. TIH, tag cement at 2100', drilled out <math>\pm</math> 80' cement. Press test csg to 550 psi - held 15 mins - OK. TOH, LD 7" csg scraper and bit. PU retrieving head and TIH to RBP. Circulate hole clean. TOH with 7" RBP. PU retrieving head for 4-1/2" FH packer. TIH, tag packer at 4860', could not latch on. Circulate hole, latch on to packer. Pull 40,000 over string weight to shear pins. Did not shear. Left pull on string. Secure well and SDFN.</p>                                                                                                 |
| 11/22/96 | <p>4-1/2" FH packer sheared and released. Released 3-3/8" pipe and TOH. LD packers, secured well. SDFN and weekend at 11:00 am 11/22/96.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 11/25/96 | <p>PU 3-3/8" PIP. TIH and set at 5727'. POOH &amp; LD 2-7/8" tbg and 2-3/8" hydril tubing. RU to RIH with 3-1/2" tbg. PU 4-1/2" lok-set packer, 1 joint of 2-3/8", EUE, 8rd tubing, strap and PU 3-1/2", EUE, 9.3#, J55 plastic lined blue band tubing. SDFN.</p>                                                                                                                                                                                                                                                                                                                                                                  |
| 11/26/96 | <p>Strap and RIH with 3-1/2" tbg. Set 4-1/2" lok-set packer at 4833'. Press tested casing to 500 psi - OK. Run injectivity test - 4 bpm at 200 psi, 5 bpm at 300 psi, 6 bpm at 425 psi, 7 bpm at 700 psi and 8 bpm at 700 psi. ND BOP, land tubing and NU WH. Get off packer and circulate packer fluid. Get back on packer, press test casing to 500 psi - held 15 mins OK. MIT test witnessed by Ernie Busch (NMOCD). Tubing landed at 4833'. RD &amp; MOL at 5:00 PM.</p>                                                                                                                                                       |

**Merrion Oil & Gas Corporation**  
**Wellbore Schematic**  
**Eagle Mesa Unit #1**

Proposed Water Injection Bottom Hole Depth Reference Detail

Location: THL: 460' fls & 330' fwl (sw sw) Sec 12  
BHL: 196' fnl & 43' fwl (nw nw) Sec 13  
T19N, R04W  
Sandoval Co. NM

Elevation: 6,698' GL  
6,711' GL

Date: 11/20/96

