

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

95 JUL 11 PM 1:38

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER ☐

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Merrion Oil & Gas Corporation

14634

3. ADDRESS AND TELEPHONE NO.

P. O. Box 840, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1955' fnl & 100' fel (SE NE)

At proposed prod. zone

CONFIDENTIAL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

30 miles southwest of Cuba, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

100'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

1450' ±

19. PROPOSED DEPTH

5610'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6646' GR

22. APPROX. DATE WORK WILL START\*

August, 1995

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10-3/4"	9-5/8"	36#	240' ±	150 sxs (177 cu.ft.)
8-3/4"	7"	23#	5610' ±	740 sxs (1378 cu.ft.)

We propose to drill 12-1/4" surface hole to 240 ft. and set 240 ft. of 9-5/8", 36#, J-55 surface casing with 150 sx Class B (177 cu.ft.) 2% CaCl<sub>2</sub>. Will wait on cement 10 hrs, press test to 600 psi for 15 minutes. Will drill 8-3/4" hole to 5610 ft. Will run open hole logs. If well appears productive, we will run 5610' ft of 7", 23#, J-55 casing and cement 1st Stage with 290 sxs (597 cu.ft.) of Class B, 2% Sodium Metasilicate (yield 2.06 cu.ft.), followed by 75 sxs (92 cu.ft.) of Class H with 2% gel (yield 1.22 cu.ft./sx). Will circulate 3-4 hrs between stages. Second stage tool in Mancos at ± 2350'. Will cement with 275 sxs (567 cu.ft.) of Class B, 2% Sodium Metasilicate (yield 2.06 cu.ft./sx), followed by 100 sxs (122 cu.ft.) of Class H with 2% gel (yield 1.22 cu.ft./sx). Estimated top of cement is at the surface. We will perforate and stimulate as necessary to test the potentially productive intervals.

Additional drilling technical details are attached.

RECEIVED  
FEB - 5 1996

OIL CON. DIV.  
DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNATURE

Steven S. Dunn

TITLE

Operations Manager

DATE

7/10/95

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would be required for operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

\*See Instructions On Reverse Side

DISTRICT MANAGER

JAN 29 1996

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number <u>30-043-20935</u>		2 Pool Code 20430		3 Pool Name Eagle Mesa Entrada	
4 Property Code <u>16788</u>		5 Property Name Eagle Mesa Unit			6 Well Number 005
7 OGRID No. 014634		8 Operator Name Merrion Oil & Gas Corp.			9 Elevation 6646'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	14	19N	4W	SENE	1955	north	100	east	Sandoval

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<u>H</u>	<u>14</u>	<u>19N</u>	<u>4W</u>	<u>SENE</u>	<u>1656</u>	<u>north</u>	<u>90</u>	<u>east</u>	<u>Sandoval</u>

12 Dedicated Acres 120	13 Joint or Infill Y	14 Consolidation Code U	15 Order No. R-10213
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<p>16</p>		<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p><i>Steven S. Dunn</i></p> <p>Signature</p> <p>Printed Name Steven S. Dunn</p> <p>Title Operations Manager</p> <p>Date 1/14/96</p>	
<p>Section 14</p> <p>Section 15</p> <p>RECEIVED FEB 15 1996 OIL CON. DIV. BCT. 3</p>		<p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyer:</p> <p>Certificate Number</p>	

New Mexico Oil Conservation Division  
C-102 Instructions

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed contact the appropriate OCD district office. Independent subdivision surveys will not be acceptable.

1. The OCD assigned API number for this well
2. The pool code for this (proposed) completion
3. The pool name for this (proposed) completion
4. The property code for this (proposed) completion
5. The property name (well name) for this (proposed) completion
6. The well number for this (proposed) completion
7. Operator's OGRID number
8. The operator's name
9. The ground level elevation of this well
10. The surveyed surface location of this well measured from the section lines NOTE: If the United States government survey designates a Lot Number for this location use that number in the "UL or lot no." box. Otherwise use the OCD unit letter.
11. Proposed bottom hole location. If this is a horizontal hole indicate the location of the end of the hole.
12. The calculated acreage dedicated to this completion to the nearest hundredth of an acre
13. Put a Y if more than one completion will be sharing this same acreage or N if this is the only completion on this acreage
14. If more than one lease of different ownership has been dedicated to the well show the consolidation code from the following table:

C	Communitization
U	Unitization
F	Forced pooling
O	Other
P	Consolidation pending

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION!

15. Write in the OCD order(s) approving a non-standard location, non-standard spacing, or directional or horizontal drilling
16. This grid represents a standard section. You may superimpose a non-standard section over this grid. Outline the dedicated acreage and the separate leases within that dedicated acreage. Show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions.

(Note: A legal location is determined from the perpendicular distance to the edge of the tract.) If this is a high angle or horizontal hole show that portion of the well bore that is open within this pool.

Show all lots, lot numbers, and their respective acreage.

If more than one lease has been dedicated to this completion, outline each one and identify the ownership as to both working interest and royalty.

17. The signature, printed name, and title of the person authorized to make this report, and the date this document was signed.
18. The registered surveyors certification. This section does not have to be completed if this form has been previously accepted by the OCD and is being filed for a change of pool or dedicated acreage.

**CHACO MESA QUADRANGLE**  
**NEW MEXICO**  
**1:100 000-SCALE SERIES (TOPOGRAPHIC)**

