

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0136
Expires: February 28, 1995

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. Type of Work

DRILL ☒ Re-enter

DEEPEN ☐

b. Type of Well

Oil Well ☐ Gas Well ☐ Other ☒ SWD

Single Well ☒

Multiple Zone ☐

2. Name of Operator

Merrion Oil & Gas Corporation

3. Address and Telephone No.

610 Reilly Ave Farmington NM 87401
ph: (505) 327-9801

4. Location of Well (Footages)

At Surface 1840' FNL & 880' FEL (se ne)

At proposed prod. zone

14. Distance in Miles and Directions from Nearest Town or Post Office

5 Miles north of La Plata, NM Post Office

15. Distance from Proposed Location to Nearest

Property or Lease Line, Ft 590'

16. No. of Acres in Lease

2510.66 acres

17. No. of Acres Assigned to This Well

320 acres

18. Distance from Proposed Location to Nearest Well Drilling, Completed, or Applied for, on this Lease, FT

228'

19. Proposed Depth

2600'

20. Rotary or Cable Tools

ROTARY

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

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

5960' GR

This action is subject to technical and

procedural review pursuant to 43 CFR 3165.3

and appeal pursuant to 43 CFR 3165.4

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF CASING	GRADE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7-7/8"	10-3/4" In Place		225'	150 sx; to surface
	5-1/2" J55	15.5 LB	2600' approx	462sx; to surface

Merrion proposes to re-enter and drill a 7-7/8" hole through cement plugs in the existing wellbore with fresh water to approx 2600'. Will tag plug at \pm 3350' and set 5-1/2" casing from 2600' to surface, cementing to surface with 462 sx 'B' (545 cuft). Perforate 2276'-82', 2290'-2300', 2315'-30', 2340'-51', 2354'-60', 2420'-70', 4 spf. Swab test to assure no gas in zone. Frac perms with slick water and 50,000# 20/40 sand. Set injection packer at 2220' KB on 2 3/8" tubing. Circulate packer fluid down casing/tubing annulus. Perform mechanical integrity test, witnessed by NMOCD. Drilling operations below surface casing will be conducted with a double ram type BOP in place, min. working pressure 1000 psig. Additional drilling technical details attached.

ENTERED
AFMSS

NOV 13 1997

BY: *[Signature]*

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECEIVED
NOV 16 PM 3:05
BUREAU OF LAND MANAGEMENT

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal to deepen, give present productive zone and proposed new productive zone.

COPIES: BLM+6, WELL FILE+1

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

Signed

[Signature] Connie S. Dinning Title Contract Engineer

Date November 5, 1997

(This space for Federal or State office use)

Permit No.

Approval Date

DEC 07 1998

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

Conditions of approval, if any:

APPROVED BY:

[Signature]

TITLE

[Signature]

DATE

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