

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Merrion Oil & Gas Corporation

3. ADDRESS OF OPERATOR

P. O. Box 1017, Farmington, New Mexico 87499

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

At surface 970' FNL and 970' FWL

At proposed prod. zone

Same

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

30 miles South of Bloomfield, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
Also to nearest rig. unit line, if any:

970'

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL DRILLING COMPLETED,
OR APPLIED FOR ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

7170

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) DRILLING OPERATIONS AUTHORIZED ARE
7176' SL SUBJECT TO COMPLIANCE WITH ATTACHED22. APPROX. DATE WORK WILL START*
"GENERAL REQUIREMENTS"
PROPOSED CASING AND CEMENTING PROGRAM

22. APPROX. DATE WORK WILL START*

Summer, 1984

This action is subject to administrative
appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24 #/ft, J-55	200 ft.	175 sx (361 cu. ft.)
7-7/8"	4-1/2"	10.5 #/ft, J-55	7170 ft.	1200 sx

Will drill 12-1/4" surface hole to 200 ft. and set 200 ft. of 8-5/8", 24 #/ft, J-55 grade casing with 175 sx Class B cement with 3% CaCl₂. Will drill 7-7/8" hole to 7170 ft. Will run open hole logs. No other testing planned. If well appears productive, will run 6700 ft. of 4-1/2", 10.5 #/ft, J-55 grade casing and stage cement. First stage will cement with 450 sx Class H 2% gel (1.22 cu. ft./sk. yield) 549 cu. ft. cement to cover Gallup interval from TD. Estimated top of cement is 5450 ft. Will set stage collar at 5150 ft, below Point Lookout Formation. Second stage will cement with 700 sx Class B 2% D-79 (2.06 cu. ft./sk) 1442 cu. ft. cement. Followed by 50 sx Class H 2% gel (1.22 cu. ft./sk. yield) 61 cu. ft. cement to cover Mesaverde, Chacra, Pictured Cliffs, Fruitland and Ojo Alamo. Top of cement will be at surface.

Drilling circulating medium will be low solids, non dispersed, low water loss mud using bentonite, starch, CMC, and fresh water.

Minimum specifications for pressure control is 10", 900 series double ram blow out preventer. Will perforate and stimulate as required for completion.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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.

SIGNED [Signature] TITLE Operations Manager

(This space for Federal or State office use)

PERMIT NO. [Stamp] APPROVAL DATE [Stamp]APPROVED BY [Stamp] TITLE [Stamp]

CONDITIONS OF APPROVAL

OIL CON. DIV.
DIST. 3

NMOC

DATE 5/22/84
APPROVED
AS AMENDED
DATE JUL 06 1984
JOHN S. MCKEE AREA MANAGER FARMINGTON RESOURCE AREA

All distances must be from the outer boundaries of the Section.

Operator MERRION OIL & GAS CORPORATION			Lease WILD HARE		Well No. 1
Unit Letter D	Section 11	Township 24N	Range 8W	County San Juan	
Actual Footage Location of Wells: 970 feet from the North line and 970 feet from the West line Ground Level Elev: 7176 Producing Formation: Gallup/Dakota Pool: Dufers Point Gallup Dakota Dedicated Acreage: 160 Acres					

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

970'	970'
NM 47167	Sec.
11	
RECEIVED JUN 5 1984 BUREAU OF LAND MANAGEMENT SANTA FE, NEW MEXICO	
JUL 9 1984 OIL CON. DIV. DIST. 3	

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
<i>Steve S. Dunn</i>	
Name	Steve S. Dunn
Position	Operations Manager
Company	Merrion Oil & Gas Corporation
Date	6/13/84
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 knowledge and belief.	
Date Surveyed	June 11, 1984
Registered Professional Engineer and Land Surveyor	<i>Fred B. Kerr Jr.</i>
Certificate No.	12345

Scale: 1"=1000'

