

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 &amp; 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

590' FNL and 2245' FEL

At proposed prod. zone Same

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

30 miles South of Bloomfield, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

590'

## 16. NO. OF ACRES IN LEASE

920

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.

1980'

## 19. PROPOSED DEPTH

7200'

## 20. ROTARY OR CABLE TOOLS

0 - TD

## 21. ELEVATIONS (Show whether DF, BT, GL, etc.)

7208' GL, 7221' KB

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

## 22. APPROX. DATE WORK WILL START\*

Winter, 1984

## 23.

"GENERAL REQUIREMENTS FOR DRILLING AND CEMENTING PROGRAM"

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

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 W/ft, J-55	7200 ft.	1200 Ex

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% CaCl<sub>2</sub>. Will drill 7-7/8" hole to 7200 ft. Will run open hole logs. No other testing planned. If well appears productive, will run 7200' 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 Gal/Dak. interval 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.

## 24.

SIGNED

Operations Manager

(This space for Federal or State office use)

PERMIT NO.

DEC 04 1984

APPROVAL DATE

APPROVED BY

OIL CON. DIV.

TITLE

CONDITIONS OF APPROVAL, IF ANY:

DIST. 3

NMOCC

APPROVED

DATE 10/23/84

AS AMENDED

NOV 30 1984

Stan McKee

FARMINGTON, N.M.

ESTIMATED TOPS

Ojo Alamo	1757
Kirtland	2021
Fruitland	2271
Pictured Cliffs	2491
Lewis	2631
Cliffhouse	3781
Menefee	3861
Point Lookout	4834
Mancos	5083
Gallup	5900
Greenhorn	6793
Graneros	6866
TD	7200

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

Operator <b>MERRION OIL &amp; GAS CORPORATION</b>			Lease Noname		Well No. 1
Unit Letter <b>B</b>	Section <b>11</b>	Township <b>24N</b>	Range <b>8W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>590</b> feet from the <b>North</b> line and <b>2245</b> feet from the <b>East</b> line					
Ground Level Elev. <b>7208</b>	Producing Formation <b>Gallup/Dakota</b>		Pool <b>Dufers Point Gallup Dakota</b>		Dedicated Acreage <b>160</b> 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.

RECEIVED NOV 8 1984 OIL CON. DIV. DIST. 3	590'	2245'
	11	NM 47167
Sec.		

Scale: 1"=1000'

CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Steve S. Dunn*

Name  
Steve S. Dunn

Position  
Operations Manager

Company  
Merrion Oil & Gas Corp.

Date  
10/23/84

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  
October 18, 1984

Registered Professional Engineer  
and Land Surveyor.

*Fred B. Kery Jr.*  
Fred B. Kery Jr.

Certificate No. 4  
3950

