

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-043-20673

## 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 1650' FNL and 790' FEL

At proposed prod. zone Same

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

8 miles East of Counselors, New Mexico

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

3600'

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

5300'

## 16. NO. OF ACRES IN LEASE

2560

## 19. PROPOSED DEPTH

6550'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6821' GL

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED

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

Early 1983

## 23. "CEMENTED CASING AND CEMENTING PROGRAM"

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	200'	150 sx (177 cu. ft.)
7-7/8"	4-1/2"	11.6 #/ft	6550'	500 sx (1104.80 cu. ft.)

Will drill 12-1/4" hole to 200' and set 8-5/8", 24 #/ft. surface casing with 150 sx (177 cu. ft.) Class B, 2% CACL<sub>2</sub>. Will pressure test to 500 PSI. Will drill 7-7/8" hole to 6550' or depth sufficient to test the Dakota. Will run open hole logs. If appears productive, will run 4-1/2", 11.6 #/ft. J-55 casing to TD with stage tools @ 4375' and 2050', and 3 stage cement to cover Dakota, Gallup, Mesa Verde, Pictured Cliffs and Ojo Alamo as follows: 1st Stage with 375 sx (457.50 cu. ft.) Class H 2% Gel to cover Dakota and Gallup. 2nd Stage with 185 sx (381.10 cu. ft.) Class B 2% D079 plug 50 sx (61 cu. ft.) Class H 2% gel to cover Mesa Verde and Chacra. 3rd Stage with 70 sx (144.20 cu. ft.) Class B 2% D-79 plus 50 sx (61 cu. ft.) Class H 2% gel to cover Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo. Will perf and stimulate as required. The gas from this formation is dedicated.

Estimated tops on back.

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

TITLE Operations Manager

DATE 12/16/82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDEDDATE APR 05 1983  
JAMES F. SIMS  
DISTRICT ENGINEER