

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-045-25646

## 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

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

At surface 500' FNL and 790' FEL

At proposed prod. zone Same

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

Approximately 17 miles South of Farmington

## 15. DISTANCE FROM PROPOSED\*

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

550'

## 16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

157.02 160

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

50'

## 19. PROPOSED DEPTH

1200'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

5882' GL

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

April, 1983

## 23.

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

PROPOSED 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
9-3/4"	7"	20 #/ft	90'	25 sx (29.5 cu. ft.)
6-1/4"	4-1/2"	9.5 #/ft	1120'	150 sx. (183 cu. ft.)

Will drill 9-3/4" hole to 90 ft. and set 90 ft. of 7", 20 lb., J-55 casing with 25 sx (29.5 cu. ft.) cement. Will drill 6-1/4" hole to 1120 ft. and run 1120 ft. of 4-1/2" 9.5 lb. J-55 casing and cement with 150 sx (183 cu. ft.) Class H and 2% D-79. No abnormal pressures nor temperatures are anticipated. Circulating medium will be clear water, natural mud and water loss control additives. Will drill out with air to test Fruitland zone to 1200'. If necessary, will run Gamma Ray-Neutron Logs. Will run 2-7/8" slotted liner from 1115' to TD. Blowout preventer schematic drawing attached. The gas from this formation is dedicated.

## ESTIMATED TOPS

Alluvium	Surface
Ojo Alamo	30'
Kirtland	180'
Fruitland	910'

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OIL CON. DIV.  
DIST. 3

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

2/11/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED  
AS AMENDED

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APR 05 1983  
JAMES F. SILVER  
DISTRICT ENGINEER

## OIL CONSERVATION DIVISION

P. O. BOX 2088

Form C-107  
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

Operator <b>MERRION OIL &amp; GAS CORPORATION</b>			Lease <b>HICKMAN</b>		Well No. <b>78 R</b>
Unit Letter <b>A</b>	Section <b>3</b>	Township <b>26N</b>	Range <b>12W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>500</b> feet from the <b>North</b> line and <b>790</b> feet from the <b>East</b> line					
Ground Level Elev. <b>5882</b>	Producing Formation <b>Pictured Cliffs</b>		Pool <b>So. Gallegos Fruitland - PC</b>		Dedicated Acreage: <b>160 1.59.02</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.

Sec.		500'	
		790'	
SF 080384 B			
RECEIVED		RECEIVED FEB 13 1983 U.S. GEOLOGICAL SURVEY WASHINGTON, D. C.	

Scale: 1"=1000'

## CERTIFICATION

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

Name

Steve S. Dunn

Position

Operations Manager

Company

Merrion Oil &amp; Gas Corporation

Date

2/11/83

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

January 7, 1983

Registered Professional Engineer  
and Land Surveyor

Fred B. Kerr Jr.

Certificate No. 11,000, N.M.

3950

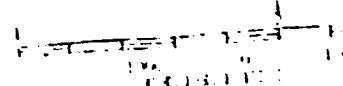


Vicinity Map for  
 Merrion Oil & Gas Corp. #7X Hickman  
 500'FN 790'FE Sec 3-26N-12W  
 San Juan County New Mexico

pped, edited, and published by the C  
 USGS, USCRGS, and U. S. Bureau  
 made from aerial

Existing Road

New Road





STATE OF NEW MEXICO  
**ENERGY AND MINERALS DEPARTMENT**  
OIL CONSERVATION DIVISION

March 17, 1983

TONEY ANAYA  
GOVERNOR

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-5800

Merrion Oil & Gas Corporation  
P. O. Box 1017  
Farmington, New Mexico 87401-1017

Attention: Steve S. Dunn

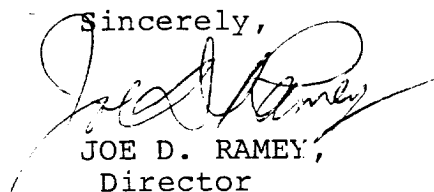
Administrative Order NSL-1670

Gentlemen:

Reference is made to your application for a non-standard location for your Hickman Well No. 7R to be located 500 feet from the North line and 790 feet from the East line of Section 3, Township 26 North, Range 12 West, NMPM, South Gallegos-Fruitland Pool, San Juan County, New Mexico.

By authority granted me under the provisions of Rule 104 F of the Division Rules and Regulations, the above-described unorthodox location is hereby approved.

Sincerely,



JOE D. RAMEY,  
Director

JDR/RLS/dr

cc: Oil Conservation Division - Aztec  
Oil & Gas Engineering Committee - Hobbs  
Minerals Management Service - Farmington

RECEIVED  
MAR 22 1983  
FARMINGTON