

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY30-039-23094  
5. LEASE DESIGNATION AND SERIAL NO.  
NM 015014

## 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 87401

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

At surface

1710' FNL and 840' FEL

At proposed prod. zone Same

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

14 miles NE Counselor, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

1850

## 16. NO. OF ACRES IN LEASE

640

## 17. NO. OF ACRES ASSIGNED

160

## 18. DISTANCE FROM PROPOSED LOCATION\*

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

3570

## 19. PROPOSED DEPTH

6362'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6614' G.L.

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

Fall, 1982

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	23 #/ft.	200'	175 sx.
7-7/8"	4-1/2"	11.6 #/ft.	6362'	875 sx.

Propose to drill 12-1/4" hole to 200 ft., set 200 ft. of 8-5/8", 23 #/ft. new surface casing w/175 sx Class B 2% CACL<sub>2</sub>. Will drill 7-7/8" hole to TD and run open hole logs. If logs appear productive will run 4-1/2", K-55, 11.6 #/ft. new casing to TD and 2 stage cement. 1st stage 175 sx Class H 2% gel to cover Gallup. Stage tool below Point Lookout @ 5137' est. 2nd stage 600 sx Class B w/2% D-79 followed by 100 sx Class H 2% gel. Will bring cement above Ojo Alamo. Drilling mud will be low water loss gel, fresh water, starch. Will perforate and frac as necessary. Blowout prevention equipment will be 10" 900 series double ram.

## ESTIMATED TOPS

San Jose	Surface
Ojo Alamo	2012'
Pictured Cliffs	2462'
Mesa Verde	4102'
Gallup	5952'

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 9/1/82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED

DATE OCT 12 1982

JAMES E. BAKER  
DISTRICT ENGINEER

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107  
Revised 10-1-78STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

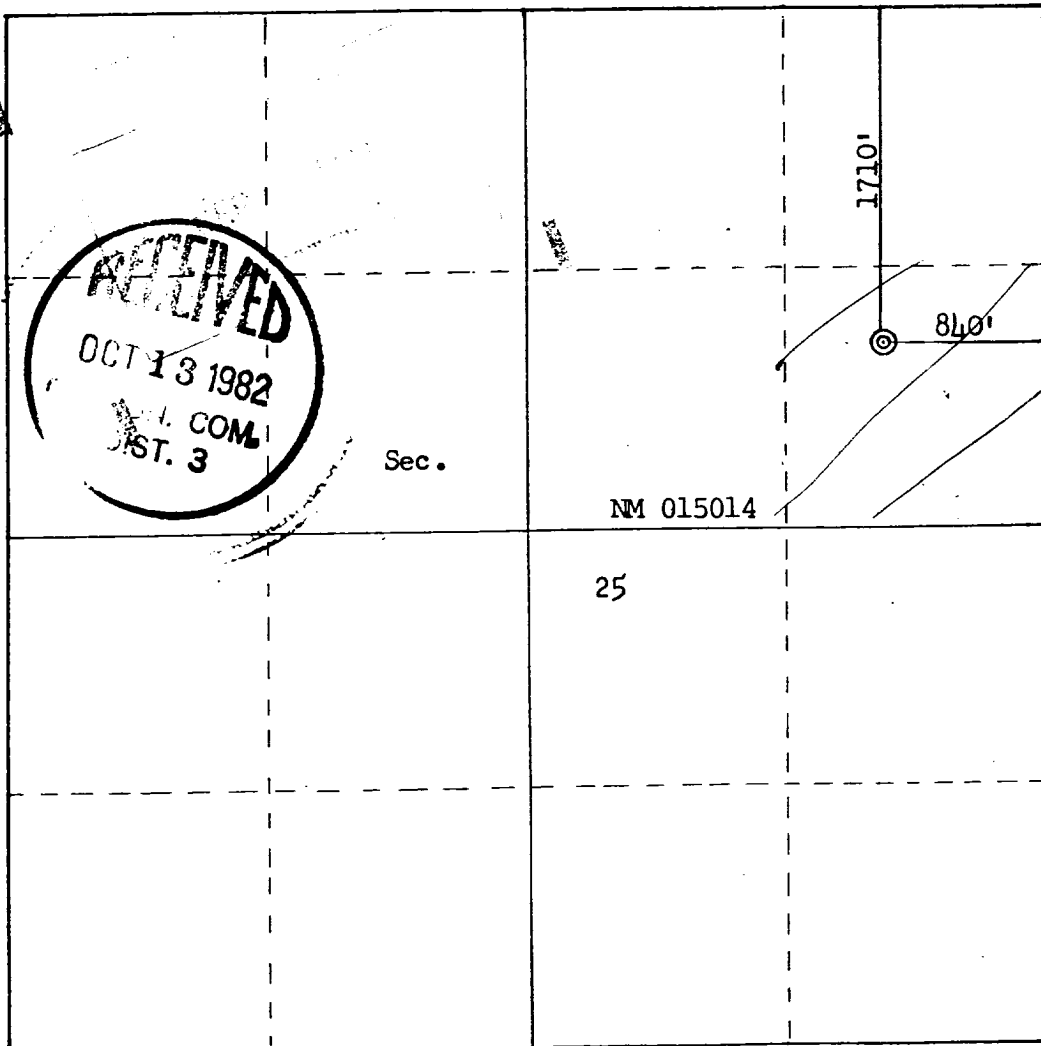
Operator <b>MERRION OIL &amp; GAS CORPORATION</b>			Lease <b>McKENZIE-FEDERAL</b>		Well No. <b>2</b>
Unit Letter <b>H</b>	Section <b>25</b>	Township <b>25N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1710</b> feet from the <b>North</b> line and <b>840</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6614</b>	Producing Formation <b>Gallup</b>		Pool <b>Otero</b> <del>Devils Fork Gallup</del>		Dedicated Acreage: <b>160 40</b> Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.



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 & Gas Corporation**

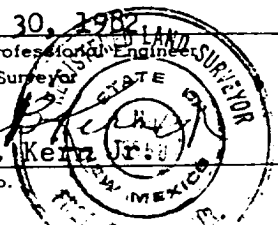
Date  
**9/1/82**

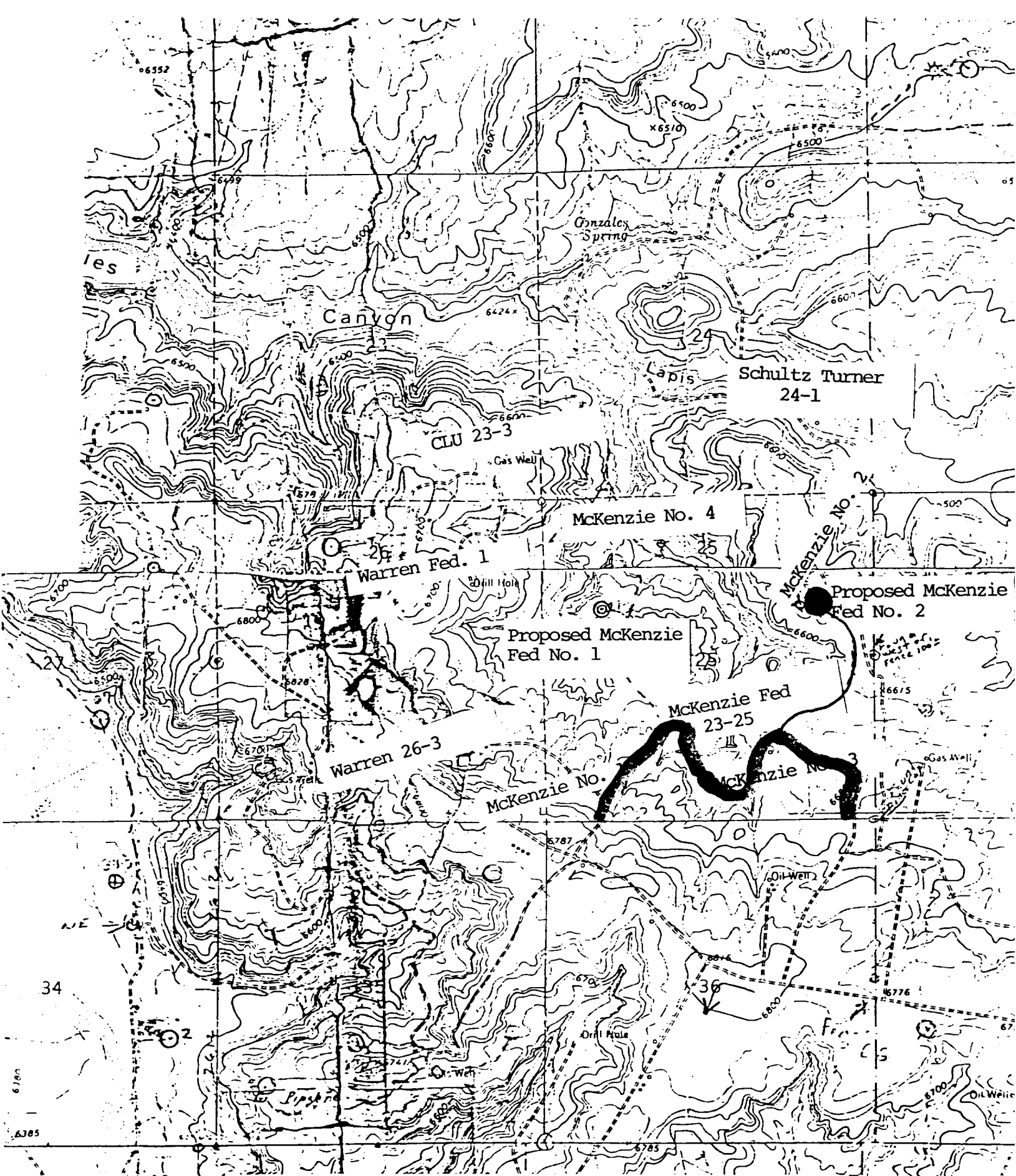
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

**August 30, 1982**Registered Professional Engineer  
and Land Surveyor**Fred B. Kern Jr.**

Certificate No.

**3950**



Vicinity Map for  
MERRION OIL & GAS CORPORATION #2 MCKENZIE-FEDERAL  
1710'FNL 840'FEL Sec. 25-T25N-R6W  
RIO ARriba COUNTY, NEW MEXICO

Existing Road: 