

| | |
|------------------------|--|
| NO. OF COPIES RECEIVED | |
| DISTRIBUTION | |
| SANTA FE | |
| FILE | |
| U.S.G.S. | |
| LAND OFFICE | |
| OPERATOR | |

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-4-65

5A. Indicate Type of Lease
STATE ☐ FEE ☒
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐
OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator SINGLE ZONE ☒ MULTIPLE ZONE ☐
Merrion Oil & Gas Corporation
3. Address of Operator
P. O. Box 1017, Farmington, New Mexico 87401
4. Location of Well UNIT LETTER B LOCATED 800 FEET FROM THE North LINE
AND 1700 FEET FROM THE East LINE OF SEC. 29 TWP. 23N RGE. 6W NMPM
12. County Sandoval
19. Proposed Depth 5900' KB 19A. Formation Gallup 20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 7204 GL 21A. Kind & Status Plug. Bond 21B. Drilling Contractor Unknown 22. Approx. Date Work will start April 1, 1982

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|-----------------|
| 12-1/4" | 8-5/8" | 20 #/ft. | 200' | 175 sx | Surface |
| 7-7/8" | 4-1/2" | 10.5 #/ft. | 5900' KB | 875 sx | Above Ojo Alamo |

Propose to drill 12-1/4" hole to 200 ft., set 200 ft. of 8-5/8" 20 #/ft. new surface casing w/175 sx Class "B" 2% CACL₂. Will drill 7-7/8" hole to TD and run open hole logs. If logs appear productive will run 4-1/2", K-55, 10.5 #/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 @ 4675' 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.

ESTIMATE TOPS

| | | | |
|-----------------|-------|------------|-------|
| Ojo Alamo | 1620' | Lewis | 2345' |
| Kirtland | 1790' | Mesa Verde | 3745' |
| Fruitland | 2070' | Mancos | 4665' |
| Pictured Cliffs | 2205' | Gallup | 5505' |

TOTAL DEPTH 5900'

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed [Signature] Title Operations Manager Date March 2, 1982

(This space for State Use)

APPROVED BY [Signature] SUPERVISOR DISTRICT # 3 TITLE DATE MAR 4 1982

CONDITIONS OF APPROVAL, IF ANY:

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

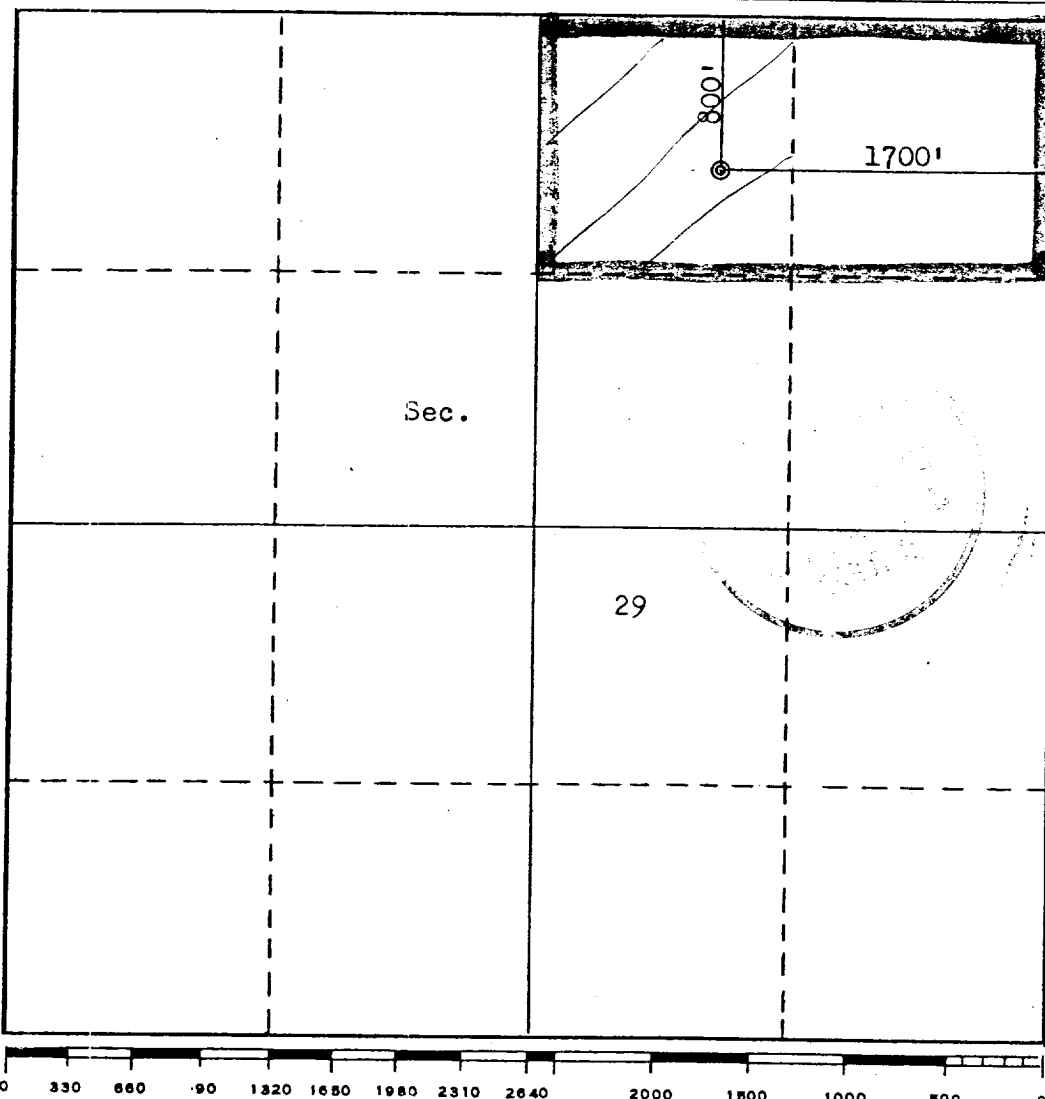
| | | | | | |
|---|--------------------------------------|------------------------|-----------------------------|---------------------------------------|----------------------|
| Operator MERRION OIL & GAS CORPORATION | | | Lease CHAPMAN "A" | | Well No. 2 |
| Unit Letter B | Section 29 | Township 23N | Range 6W | County Sandoval | |
| Actual Footage Location of Well: 800 feet from the North line and 1700 feet from the East line | | | | | |
| Ground Level Elev. 7204 | Producing Formation Gallup | | Pool Lybrook Ext. | Dedicated Acreage: 40 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.



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 **March 2, 1982**

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 **February 2, 1982**
Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
Certificate No. **3950**