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LAND OFFICE	
OPERATOR	

30039-23353

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. Name of Operator Merrion Oil & Gas Corporation 3. Address of Operator P. O. Box 1017, Farmington, New Mexico 87499 4. Location of Well UNIT LETTER <u>C</u> LOCATED <u>780'</u> FEET FROM THE <u>North</u> LINE AND <u>1730</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>16</u> TWP. <u>23N</u> RGE. <u>6W</u> NMPM 21. Elevations (Show whether DF, RT, etc.) 6820' GL 21A. Kind & Status Plug. Bond Nationwide 21B. Drilling Contractor Unknown 22. Approx. Date Work will start Winter/spring, 1984		7. Unit Agreement Name 8. Farm or Lease Name Enchilada 9. Well No. 2 10. Field and Pool, or Wildcat Counselors Gallup 12. County Rio Arriba 19. Proposed Depth 5740' 19A. Formation Gallup 20. Rotary or Casing 0 - TD	
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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"	24#/ft.	200	170 sx	Surface
7-7/8"	4-1/2"	10.5#/ft.	5740'	875 sx	Above Ojo Alamo

Propose to drill 12-1/4" hole to 200 ft. Set 200 ft. 8-5/8", 20#/ft new surface casing with 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", J-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 @ 4650' est. 2nd stage 600 sx Class B 2 1/2" 2% D-79 followed by 100 sx Class H with 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

Ojo Alamo	1417	Lewis	2142
Kirtland	1582	Mesa Verde	3542
Fruitland	1867	Mancos	4451
Pictured Cliffs	2002	Gallup	5290

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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 12/6/83

(This space for State Use)

APPROVED BY [Signature] TITLE [Signature] DATE DEC 7 1983

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL EXTENDS TO JUNE 7, 1984
IF NOT COMMENCED
MUST BE SUBMITTED
BY 12/1/84

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2048

Form C-107
Revised 10-1-78

OIL AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

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

Operator MERRION OIL & GAS CORPORATION			Lease ENCHILADA		Well No. 2
Unit Letter C	Section 16	Township 23N	Range 6W	County Rio Arriba	
Actual Footage Location of Well: 780 feet from the North line and 1730 feet from the West line					
Ground Level Elev: 6820		Producing Formation Gallup		Pool Counselors Gallup	Dedicated Acreage: 160 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.

1730'		780'	
E-1207-1		Sec. 16	
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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

12/6/83

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

November 30, 1983

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr Jr.

Certificate No. 3950

3950