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SANTA FE, NEW MEXICO 87501RECEIVED  
JUN 29 1984  
OIL DIV.5A. Indicate Type of Lease  
STATE ☐ FEE ☒

5. State Oil &amp; Gas Lease No.

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Edna	
2. Name of Operator Merrion Oil & Gas Corporation		9. Well No. 3R	
3. Address of Operator P. O. Box 1017, Farmington, New Mexico 87499		10. Field and Pool, or Wildcat Devils Fork Gallup	
4. Location of Well UNIT LETTER C LOCATED 790 FEET FROM THE North LINE AND 790 FEET FROM THE West LINE OF SEC. 7 TWP. 24N RGE. 6W NMPM		12. County Rio Arriba	
19. Proposed Depth 6070' KB		19A. Formation Gallup	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 6802 GL	
21A. Kind & Status Plug. Bond Nationwide		21B. Drilling Contractor Four Corners	
22. Approx. Date Work will start Summer, 1984			

23.

## 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, J-55	200	175 sx (361 cu. ft.)	Class B
7-7/8"	4-1/2"	10.5 #/ft., J-55	6070	1025 sx.	

Will drill 12-1/4" surface hole to 200 ft. and set 200 ft. of 8-5/8", 24 #/ft, J-55 casing with 175 sx Class B cement with 3% CaCl<sub>2</sub>. Will drill 7-7/8" hole to 6070'. Will run open hole logs. No other testing planned. If well appears productive, will run 6070' of 4-1/2" 11.6 #/ft J-55 grade casing and stage cement. First stage will cement with 225 sx Class H 2% gel (1.22 cu. ft/sk yield) 275 cu. ft. cement to cover Gallup interval from TD. Estimated top of cement is 5100 ft. Will set stage collar at 4900 ft, below Point Lookout Formation. Second Stage will cement with 700 sx Class B 2% D-79 (2.06 cu. ft/sk yield) 1442 cu. ft. cement. Followed by 100 sx Class H 2% gel (1.22 cu. ft/sk. yield) 122 cu. ft. cement to cover Mesaverde, Chacra, Pictured Cliffs, Fruitland and Ojo Alamo. Top of cement will be at surface.

Drilling circulating medium will be low solids, non dispersed, low water loss mud using bentonite, starch, CMC and fresh water.

Minimum specifications for pressure control is 10" 900 series double ram blow out preventer. Will perforate and stimulate as required for completion.

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 6/28/84

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT #3 DATE JUN 29 1984

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL EXPIRES 12-28-84  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.

ESTIMATED TOPS

Ojo Alamo	1510
Kirtland	1600
Fruitland	2000
Pictured Cliffs	2380
Lewis	2430
Chacra	3160
Cliffhouse	3885
Menefee	3935
Point Lookout	4610
Mancos	4790
Gallup	5625
TD	6070

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

Operator <b>MERRION OIL &amp; GAS CORPORATION</b>			Lease <b>EDNA</b>		Well No. <b>3-R</b>
Unit Letter <b>D</b>	Section <b>7</b>	Township <b>24N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Wells <b>790</b> feet from the <b>North</b> line and <b>790</b> feet from the <b>West</b> line					
Ground Level Elev: <b>6802</b>	Producing Formation <b>Gallup</b>		Pool <b>Devils Fork Gallup</b>		Dedicated Acreage: <b>160</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.

790'	790'	<b>RECEIVED</b> JUN 29 1984 OIL CO	Sec.
Merrion Fee	7		

Scale: 1"=1000'

CERTIFICATION

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

*Steve S. Dunn*  
Name

Steve S. Dunn

Position

Operations Manager

Company

Merrion Oil & Gas Corporation

Date

6/27/84

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

June 21, 1984

Registered Professional Engineer  
and Land Surveyor

*Fred B. Kerr Jr.*  
Fred B. Kerr Jr.

Certificate No. 4222

3950

