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NEW MEXICO OIL CONSERVATION COMMISSION

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MAR 21 1984

OIL CON. DIV.

DIST. 3

30-039-23396

Form C-101
Revised 1-1-65

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 DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>				7. Unit Agreement Name	
b. Type of Well 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. 5	
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 <u>B</u> LOCATED <u>790</u> FEET FROM THE <u>North</u> LINE AND <u>1850</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>7</u> TWP. <u>24N</u> RGE. <u>6W</u> NMPM				12. County Rio Arriba	
19. Proposed Depth 5880' KB				19A. Formation Gallup	
20. Rotary or C.T. Rotary				21. Elevations (Show whether DF, RT, etc.) 6592' GL	
21A. Kind & Status Plug. Bond State Nationwide				21B. Drilling Contractor Unknown	
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	200	175 sx (361 cu. ft.)	
7-7/8"	4-1/2"	10.5 #/ft.	5880	1025 sx	

Will drill 12-1/4" surface hole to 200 ft. and set 200 ft. of 8-5/8", 24 #/ft, J-55 grade casing with 175 sx Class B cement with 3% CaCl₂. Will drill 7-7/8" hole to 6010'. Will run open hole logs. No other testing planned. If well appears productive, will run 5880' 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 4780 ft. Will set stage collar at 4611 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.

APPROVAL EXPIRES 7-21-84
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

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 3/19/84

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE MAR 21 1984

CONDITIONS OF APPROVAL, IF ANY:

ESTIMATED TOP

Ojo Alamo	1693
Kirtland	1906
Fruitland	2021
Pictured Cliffs	2161
Lewis	2286
Chacra	2576
Cliffhouse	3676
Menefee	3736
Point Lookout	4411
Mancos	4586
Gallup	5430
Total Depth	5880

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OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-107
Revised 10-1-

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

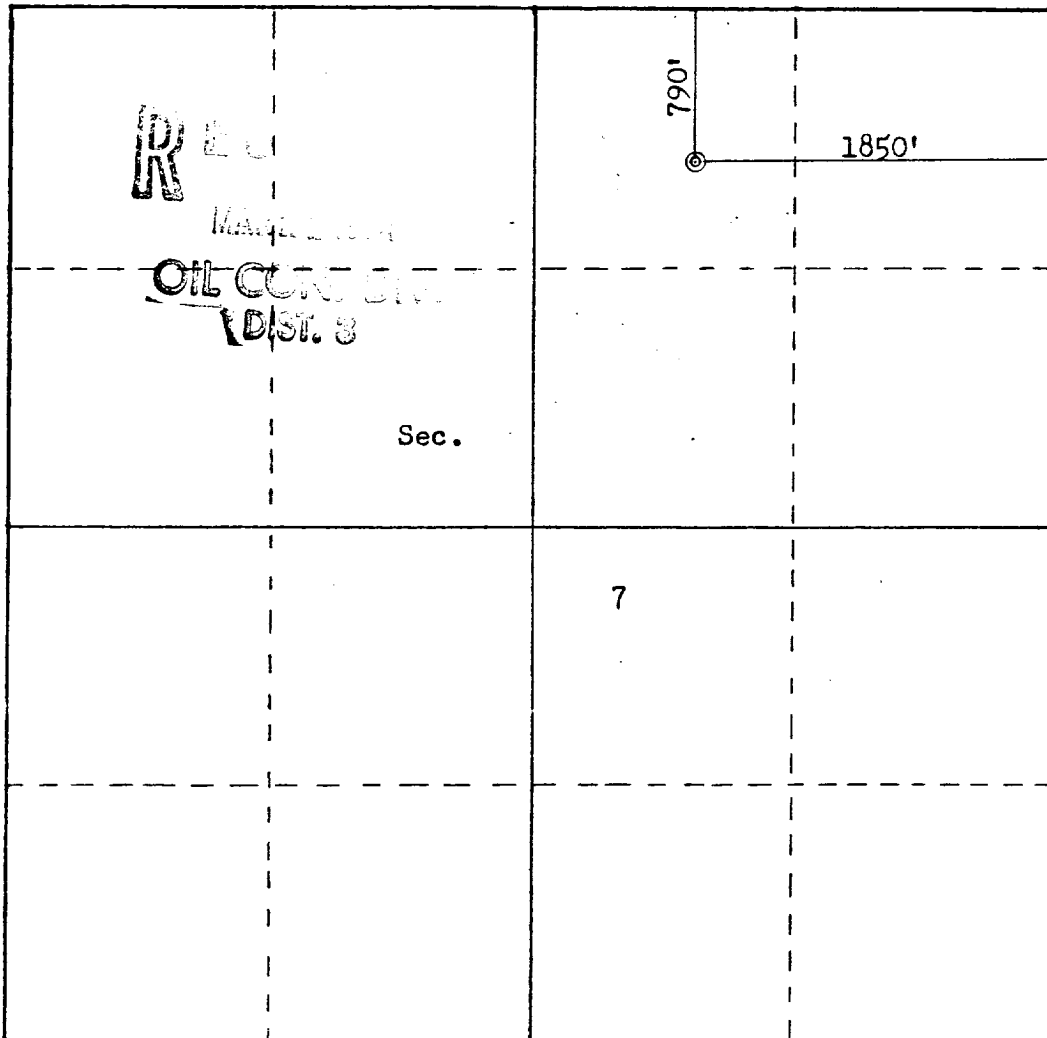
Operator MERRION OIL & GAS CORPORATION			Lease EDNA		Well No. 5
Unit Letter B	Section 7	Township 24N	Range 6W	County Rio Arriba	
Actual Footage Location of Well: 790 feet from the North line and 1850 feet from the East line					
Ground Level Elev. 6592	Producing Formation Gallup		Pool Devils Fork Gallup		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.



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

3/19/84

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

February 15, 1984

Registered Professional Engineer
and Land Surveyor

Fred B. Kerr Jr.

Certificate No. 42222

3950