

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

30-039-23550

Form C-101  
Revised 10-1-78

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OPERATOR	

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SEP 13 1984  
OIL CON. DIV.  
DIST. 3

5A. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No. E-809-15
7. Unit Agreement Name Canyon Largo Unit
8. Farm or Lease Name Canyon Largo Unit
9. Well No. 182
10. Field and Pool, or Wildcat Devils Fork Gallup
12. County Rio Arriba
19. Proposed Depth 5940
19A. Formation Gallup
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 6648' GL
21A. Kind & Status Plug. Bond Statewide
21B. Drilling Contractor Unknown
22. Approx. Date Work will start Fall, 1984

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"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <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>P</u> LOCATED <u>790</u> FEET FROM THE <u>South</u> LINE AND <u>790</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>2</u> TWP. <u>24N</u> RGE. <u>7W</u> NMPM	160	
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", J-55	24#/ft.	200	175 sx (361 cu. ft.) Class B	
7-7/8"	4-1/2", J-55	10.5 #/ft.	5940	1025 sx as below	

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 5940'. Will run open hole logs. No other testing planned. If well appears productive, will run 5940' of 4-1/2" 10.5 #/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 4850 ft. Will set stage collar at 4800 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 9/12/84

(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3

SEP 13 1984

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL EXPIRES 3-13-85  
UNLESS DRILLING IS COMMENCED.  
SPUD NOTICE MUST BE SUBMITTED  
WITHIN 10 DAYS.

# ESTIMATED TOPS

Ojo Alamo	1606
Kirtland	1753
Fruitland	1984
Pictured Cliffs	2236
Lewis	2331
Chacra	3070
Cliffhouse	3790
Menefee	3843
Point Lookout	4543
Mancos	4720
Gallup	5570
Total Depth	5940

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

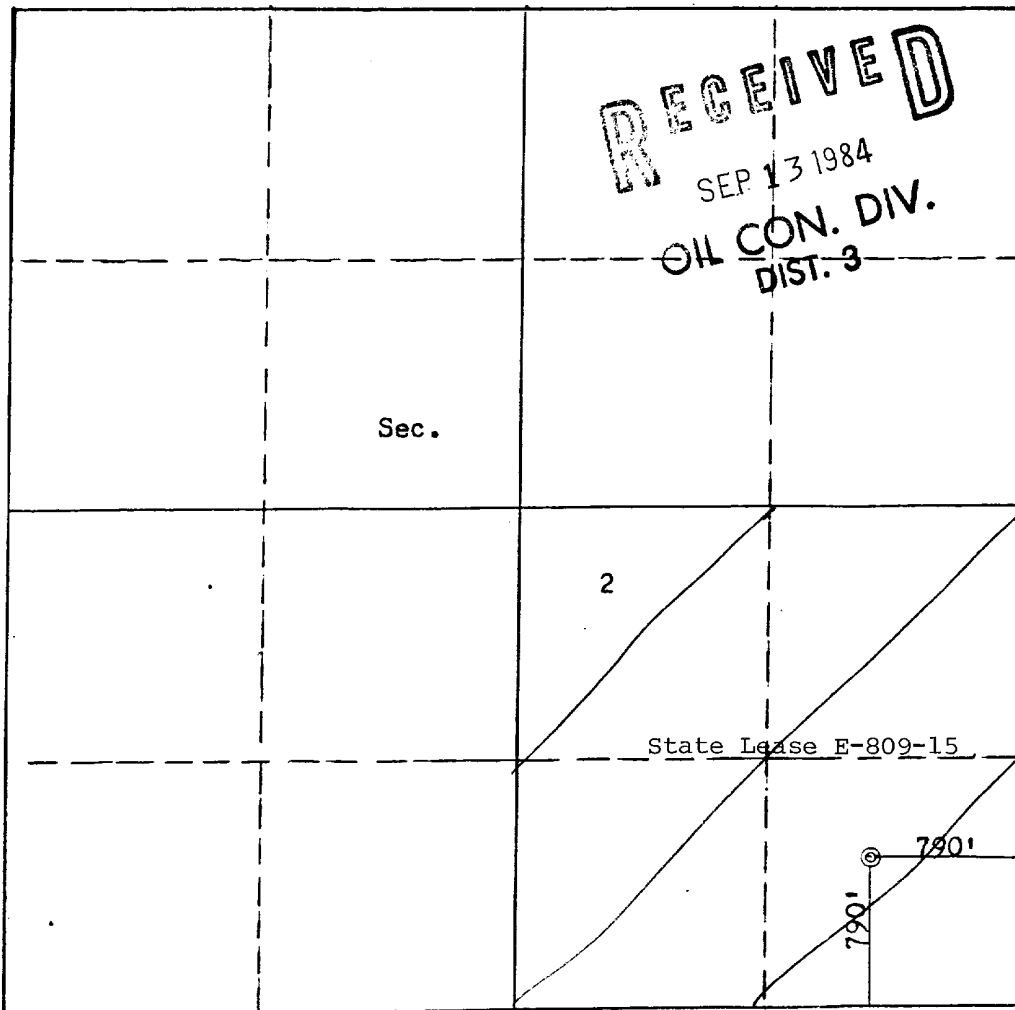
Operator <b>MERRION OIL &amp; GAS CORPORATION</b>			Lease <b>CANYON LARGO UNIT</b>		Well No. <b>182</b>
Unit Letter <b>P</b>	Section <b>2</b>	Township <b>24N</b>	Range <b>7W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>790</b> feet from the <b>South</b> line and <b>790</b> feet from the <b>East</b> line					
Ground Level Elev: <b>6648</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 hatchure 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  
9/11/84

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  
September 9, 1984

Registered Professional Engineer  
and Land Surveyor

Fred B. Kerr Jr.

Certificate No. 4222  
3950

