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LAND OFFICE
OPERATOR

NEW MEXICO OIL CONSERVATION COMMISSION

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JAN 03 1985
OIL CON. DIV.
DIST 3

Form O-101
Revised 10-85

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well
2. Name of Operator
3. Address of Operator
4. Location of Well
19. Proposed Depth
19A. Formation
20. Rotary or C.T.
21. Elevations
21A. Kind & Status Plug. Bond
21B. Drilling Contractor
22. Approx. Date Work will start

7. Unit Agreement Name
8. Farm or Lease Name
9. Well No.
10. Field and Pool, or Willcat
12. County
19. Proposed Depth
19A. Formation
20. Rotary or C.T.
21. Elevations
21A. Kind & Status Plug. Bond
21B. Drilling Contractor
22. Approx. Date Work will start

Table with 6 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, SACKS OF CEMENT, EST. TOP. Rows include 12-1/4 inch hole to 200 ft and 7-7/8 inch hole to 5940 ft.

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 (361 cu. ft.) Class B cement with 3% CaCl2. 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", 11.6 #/ft. J-55 grade casing and stage cement. First stage will cement with 225 sx (275 cu. ft.) Class H 2% gel (1.22 cu. ft/sk yield) cement to cover Gallup interval from TD. Estimated top of cement is 5000'. Will set stage collar at 4000 ft. below Point Lookout Formation. Second Stage will cement with 700 sx (1442 cu. ft.) Class B 2% D-79, (2.06 cu. ft/sk yield) cement followed by 100 sx (122 cu. ft.) Class H 2% gel cement to cover Mesaverde, Chacra, Pictured Cliffs, Fruitland and Ojo Alamo. Estimated top of cement is 400 ft. 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 Blowout 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 12/31/84

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT 3 DATE JAN 21 1985
CONDITIONS OF APPROVAL, IF ANY:
APPROVAL EXPIRES 7-22-85 UNLESS DRILLING IS COMMENCED. SPUD NOTICE MUST BE SUBMITTED WITHIN 10 DAYS.

Estimated tops

Ojo Alamo	1685
Kirtland	1855
Fruitland	2125
Pictured Cliffs	2285
Lewis	2420
Chacra	3170
Cliffhouse	3855
Menefee	3935
Point Lookout	4545
Mancos	4745
Gallup	5637
Total Depth	5940

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107
Revised 10-1-78

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

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

Operator MERRION OIL & GAS CORPORATION		Lease CANYON LARGO UNIT		Well No. 316
Unit Letter P	Section 36	Township 25N	Range 7W	County Rio Arriba
Actual Footage Location of Well: 1060 feet from the South line and 720 feet from the East line				
Ground Level Elev. 6599	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.

Sec.		36		720'		1060'	
E 505-12							

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 Corp.

Date

12/31/84

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.

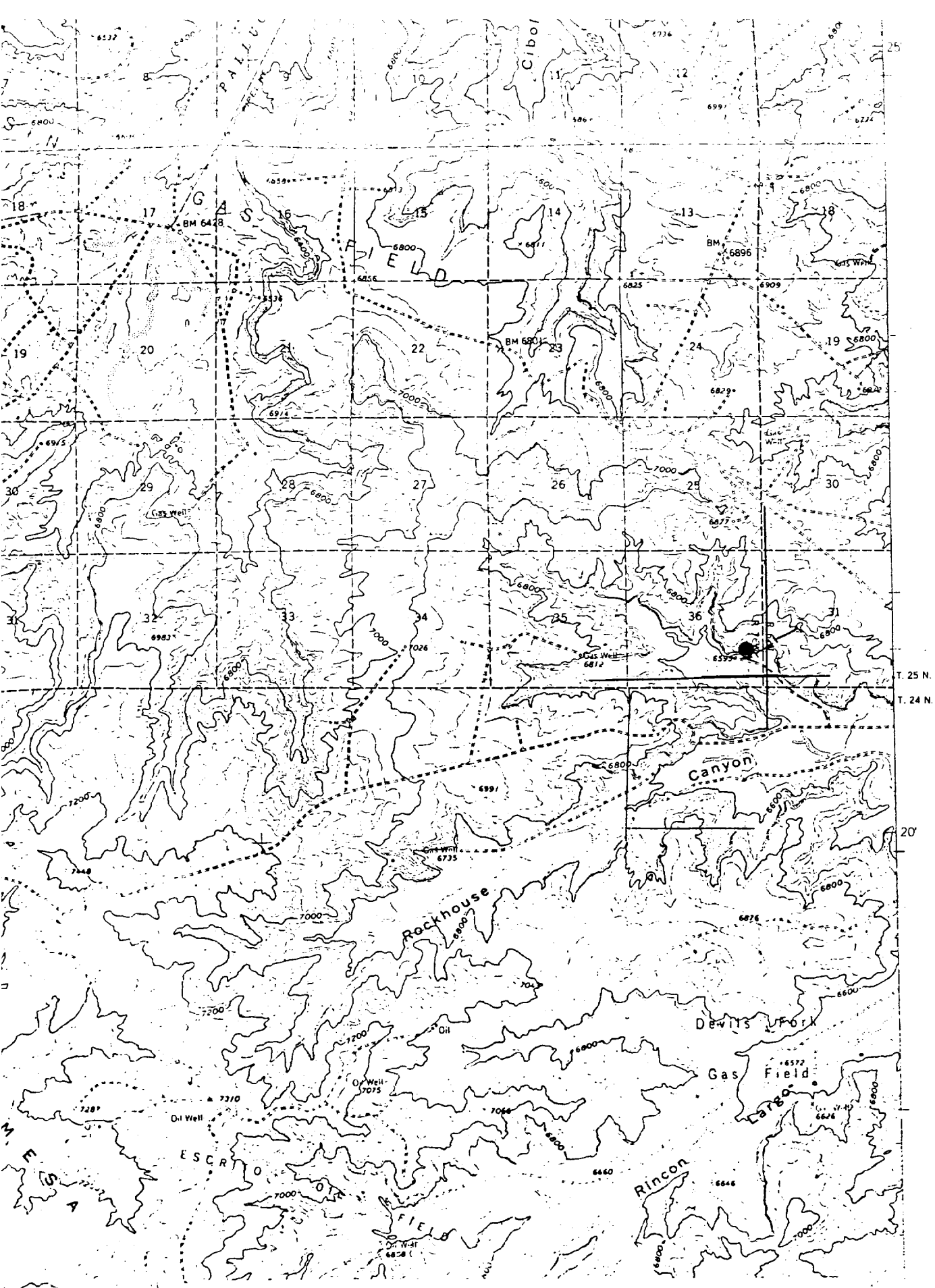
Date Surveyed

December 21, 1984

Registered Professional Engineer
and Land Surveyor*Fred B. Kerr Jr.*
Fred B. Kerr Jr.

Certificate No. 3950

3950



1 mile
1/2 mile
1/4 mile
1/8 mile
1/16 mile

Vicinity Map for
MERRION OIL & GAS CORPORATION #345 CANYON LARGO UNIT
1060'FSL 720'FEL Sec. 36-T25N-R7W
RIO ARRIBA COUNTY, NEW MEXICO