

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

30-039-23972

Form C-101
Revised 10-1-78

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATION	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL ☒ DEEPEN ☐ PLUG BACK ☐			5a. Indicate Type of Lease STATE ☒ FEDERAL ☐		
1b. Type of Well OIL ☒ GAS ☐ OTHER ☐			5. State Oil & Gas Lease No. E 1207-4		
2. Name of Operator Merrion Oil & Gas Corporation			7. Unit Agreement Name		
3. Address of Operator P. O. Box 840, Farmington, New Mexico 87499			8. Form or Lease Name NCRA State		
4. 1. Name of Well ONLY LETTER D LOCATED 345 FEET FROM THE North LINE			9. Well No. 5		
AND 650 FEET FROM THE West LINE OF SEC. 16 TWP. 24N R. 6W			10. Field and Pool, or Willcat Devils Fork Mesaverde		
11. 1. Depth of Well 6552' GL			12. County Rio Arriba		
11a. Kind of Casing Plug. Perd Statewide			11b. Formation Mesaverde		
11c. Drilling Contractor 4765			11d. Rotary or C.C.		
22. Approx. Date Work will start Winter/1986					

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 Class B 3% CaCl2 (206.5)	ft.)
8-5/8"	4-1/2", J-55	10.5 #/ft.	4765	625 sx (1099 cu)	

Propose to drill 12-1/4" hole to 200' and set 200' of 8-5/8", 24 #/ft. surface casing with 175 sx Class B 3% CaCl2 (206.5 cu. ft.). Will drill 7-7/8" hole to TD and run open hole logs. If appears productive, will run 4-1/2", 10.5 #/ft, J-55 casing to 4765' and cement with 400 sx Class B 2% D-79, yield 2.06 cu. ft/sk (824 cu. ft.) cement followed by 225 sx Class H 2% gel, 1.22 cu. ft/sk yield (275 cu. ft.) cement to cover Mesaverde, Chacra, Pictured Cliffs, Fruitland and Ojo Alamo. Estimated top of cement is at the surface. Will perforate and stimulate as necessary.

10" 900 series double ram preventers will be used in drilling. Drilling fluid will be low solids, non-dispersed, low water loss mud using bentonite, starch, CMC and fresh water.

APPROVAL EXPIRES 7-2-86
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS

DEC 31 1985

Estimated tops on back.

IN ABOVE SPACE SET FORTH PROPOSED PROGRAM; IF PROPOSAL IS DEFERRED OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE PLUGBACK PREVENTER PROGRAM, IF ANY.

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

Signed

(This space for State Use)

Title Operations Manager

Date 12/18/85

APPROVED BY ORIGINAL SIGNED BY ERNIE BUSCH TITLE GEOLOGIST DISTRICT #3

CONDITIONS OF APPROVAL, IF ANY:

DATE

JAN 02 1986

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-70

All distances must be from the outer boundaries of the Section

Operator MERRION OIL & GAS CORP.			Lease NCRA State		Well No. 5
Unit Letter D	Section 16	Township 24 North	Range 6 West	County Rio Arriba	
Actual Footage Location of Well:					
345	feet from the North	line and	650	feet from the West	line
Ground Level Elev. 6552	Producing Formation Mesaverde	Pool Devils Fork Mesaverde		Dedicated Acreage: 40	

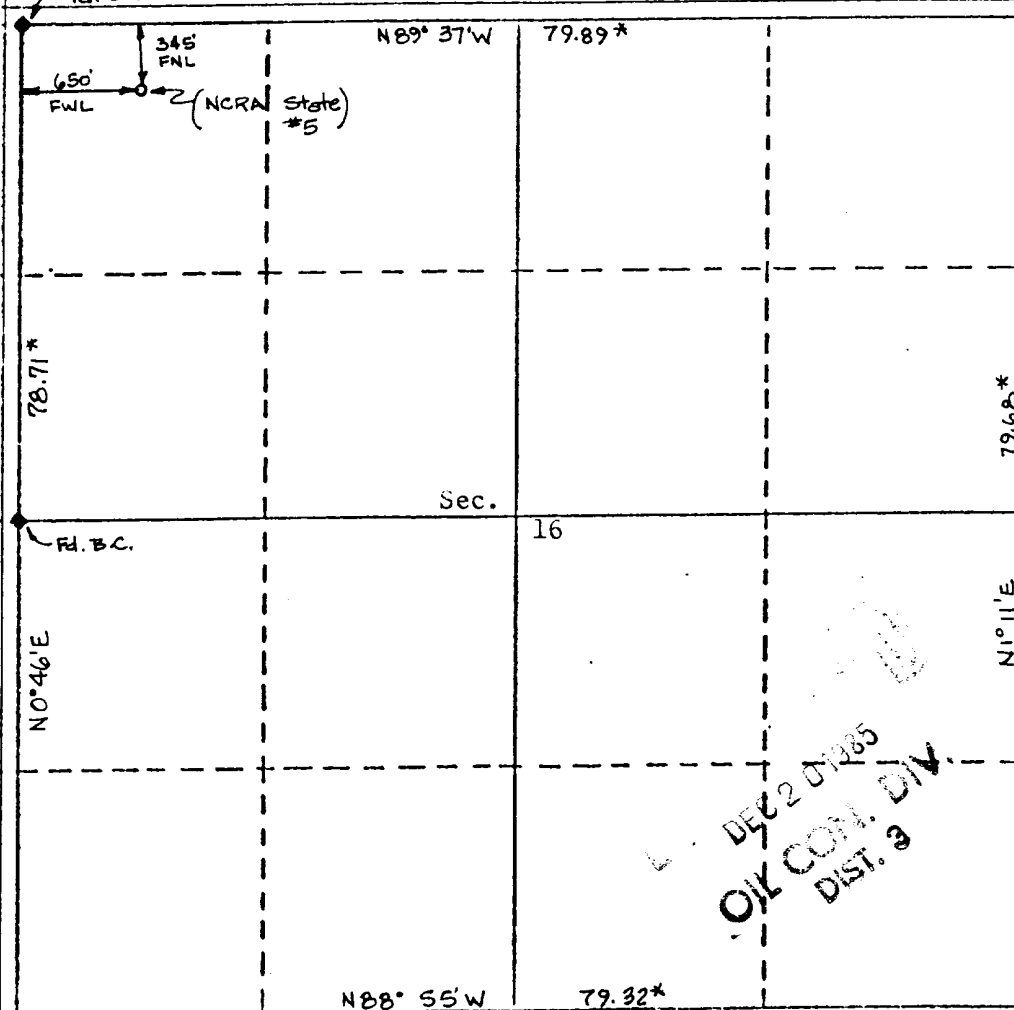
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 Division.

Fd. B.C. * Record GLO.



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

12/2/85

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.

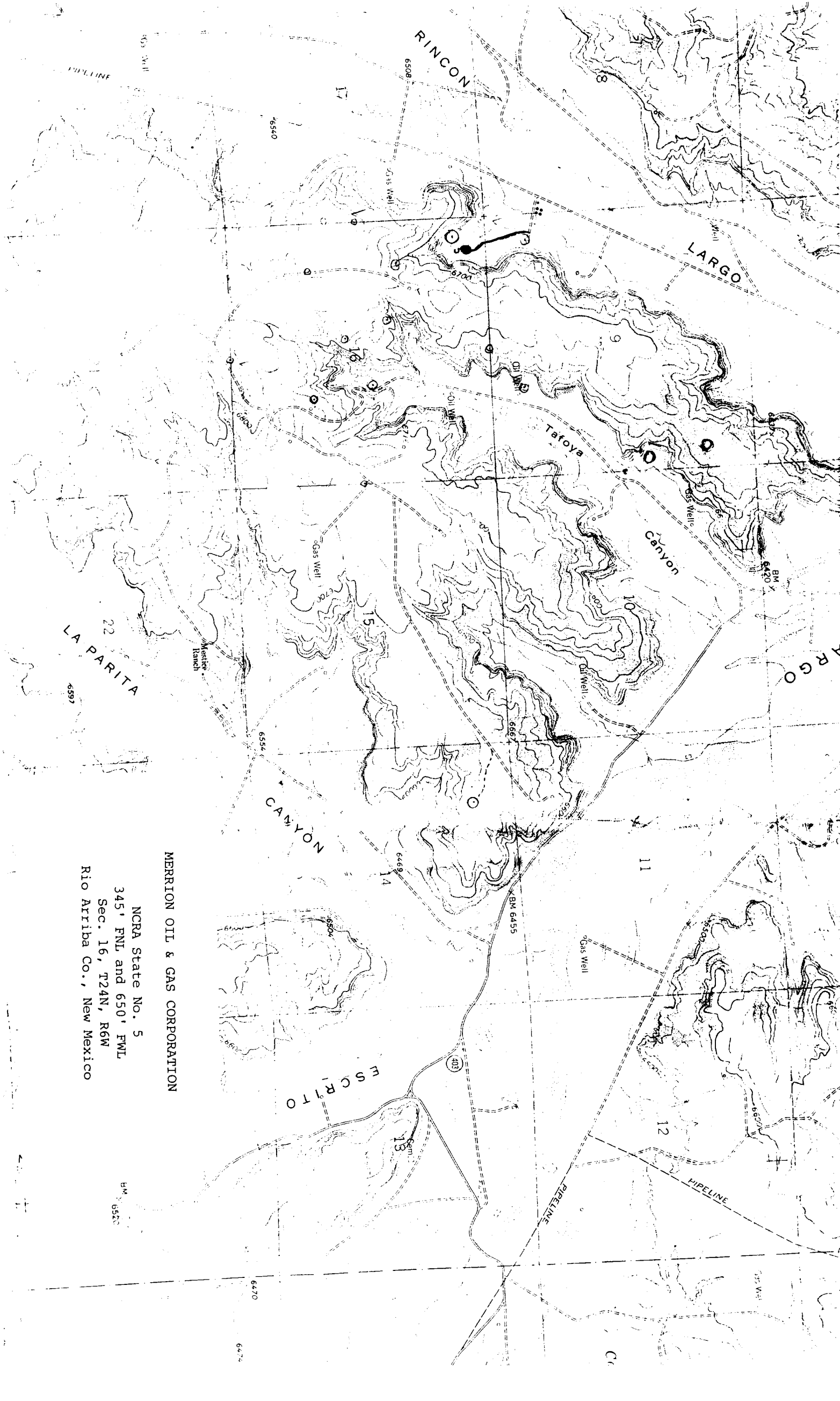
Nov. 19, 1985

Date Surveyed

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

8894



MERRION OIL & GAS CORPORATION

NCRA State No. 5
345' FNL and 650' FWL
Sec. 16, T24N, R6W
Rio Arriba Co., New Mexico

BM 6520