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NEW MEXICO OIL CONSERVATION COMMISSION

30-039-22474

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease	
STATE <input type="checkbox"/>	FEE <input checked="" type="checkbox"/>

5. State Oil & 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 type="checkbox"/> GAS WELL <input checked="" 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 J. Gregory Merrion		9. Well No. 4-R	
3. Address of Operator P. O. Box 507, Farmington, New Mexico 87401		10. Field and Pool, or Wildcat Ballard Pictured Cliffs	
4. Location of Well UNIT LETTER H LOCATED 1845 FEET FROM THE North LINE AND 1280 FEET FROM THE East LINE OF SEC. 7 TWP. 24N RGE. 6W NMPM		12. County Rio Arriba	
19. Proposed Depth 2500		19A. Formation Pictured Cliffs	20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, RT, etc.) 6742 G.L.	21A. Kind & Status Plug. Bond Statewide	21B. Drilling Contractor James Drilling Co.	22. Approx. Date Work will start October 1, 1980

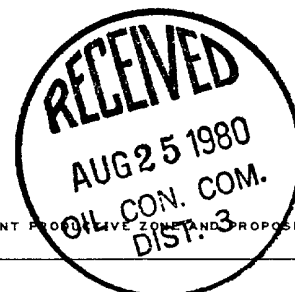
PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
9-3/4"	7"	20#	60	40	surface
5"	2-7/8"	6.4#	2500	250	surface

Will drill 9-3/4" hole to 60', set 7", 20# casing to 60' and cement to surface with 40 sax Class B cement with 3% CACL₂.

Will drill 5" hole to 2500' and set 2-7/8", 6.4# casing to 2500' and cement with 150 sax Class H cement with 2% D-79 extender (257 cu. ft.) followed by 100 sax (118 cu. ft.) Class H neat cement. (Total slurry volume of 475 cu. ft. is 200% of theoretical requirement to return cement to surface).

Will perforate and sand water frack the Pictured Cliffs.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTION 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 J. Gregory Merrion Title Operator Date 8-22-80

(This space for State Use)

APPROVED BY Emil J. Chang TITLE SUPERVISOR DISTRICT # 3 DATE AUG 25 1980

CONDITIONS OF APPROVAL, IF ANY:

Well C-104 for NSL

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO

P. O. BOX 2088

Form C-107

ENERGY AND MINERALS DEPARTMENT

SANTA FE, NEW MEXICO 87501

Revised 10-1-78

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

Operator J. GREGORY MERRION			Lease EDNA		Well No. LR
Unit Letter H	Section 7	Township 24N	Range 6W	County Rio Arriba	
Actual Footage Location of Well: 1845 feet from the North line and 1280 feet from the East line					
Ground Level Elev: 6742	Producing Formation Pictured Cliffs		Pool Ballard	Dedicated Acreage: 160 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 _____

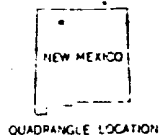
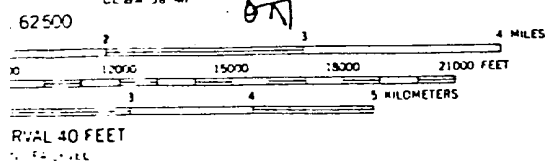
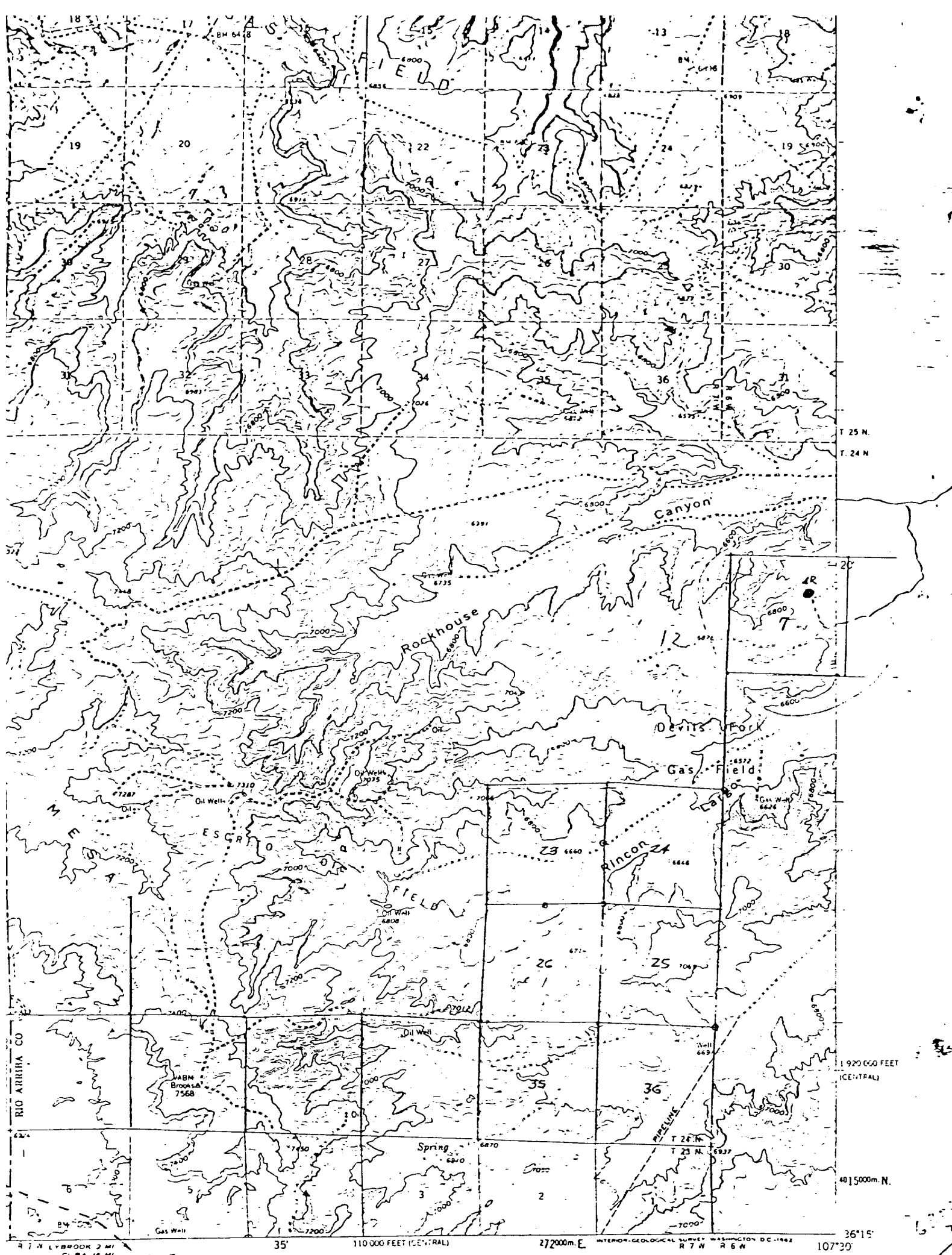
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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.

		1845'
		1280'
Sec.		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.	
Name	J. Gregory Merrion
Position	Operator
Company	J. Gregory Merrion
Date	August 22, 1980
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	July 1980
Registered Professional Engineer and Land Surveyor	Fred B. Kerr, Jr.
Certificate No.	3950



ROAD CLASSIFICATION

Medium duty — — — Light duty

Unimproved dirt

State Route

NAGEEZI, N. MEX.
N3615-W10730/15

1959

MAP VECTORIZATION STANDARDS
ER 25, COLORADO OR WASHINGTON 25, D.C.
AND SYMBOLS IS AVAILABLE ON REQUEST

Vicinity Map for
J. GREGORY MERRION #4R EDNA
1845'FNL 1280'FEL Sec. 7-T24N-R6W
RIO ARRIE COUNTY, NEW MEXICO