

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

30-043-20875

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER ☐

2. NAME OF OPERATOR

Merrion Oil & Gas Corporation

3. ADDRESS OF OPERATOR

P. O. Box 840, Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with BLM Form 1004-0136)

At surface

330' FNL & 2310' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

± 10.5 miles from Cuba, New Mexico (State Hwy 197 West)

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

330'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

None

19. PROPOSED DEPTH

6000'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6964' GR

22. APPROX. DATE WORK WILL START\*

July, 1992

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8", J-55	24#/ft	240'	150 sxs
7-7/8"	5-1/2", J-55	15.5#/ft	6000'	725 sxs (2 stages)

We propose to drill 12-1/4" surface hole to 240 ft and set 240 ft of 8-5/8", 24#, J-55 surface casing with 150 sx Class B (177 cu.ft.) 2% CaCl<sub>2</sub>. Will wait on cement 10 hrs, pressure test to 600 psi for 15 minutes. Will drill 7-7/8" hole to 6000 ft. Will run open hole logs. If well appears productive, we will run 6000 ft of 5-1/2", 15.5#, J-55 casing and cement 1st Stage with 250 sx (515 cu.ft.) Class B, 2% Sodium Metasilicate (yield 2.06 cu.ft./sx), followed by 100 sx (122 cu.ft.) Class H w/2% gel (yield 1.22 cu.ft./sx). Will circulate 3-4 hrs between stages. Second stage tool in Mancos at ± 2900'. Will cement with 275 sx (567 cu.ft.) Class B, 2% Sodium Metasilicate (yield 2.06 cu.ft./sx), followed by 100 sx (122 cu.ft.) Class H with 2% gel (yield 1.22 cu.ft./sx). Estimated top of cement is at the surface. We will perforate and stimulate as necessary to test the potentially productive intervals.

Additional drilling technical details are attached.

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNER Steven S. Dunn

TITLE Operations Manager

DATE 6-8-92

(This space for Federal or State office use)

APPROVED AS AMENDED

PERMIT NO. None

APPROVAL DATE

APPROVED BY Steve Tatum

TITLE Acting Area Manager

DATE 7/20/92

CONDITIONS OF APPROVAL, IF ANY:

Distribution: O+5 (BLM); 1-Clarksons; 1-File

\*See Instructions On Reverse Side

NMOCD

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

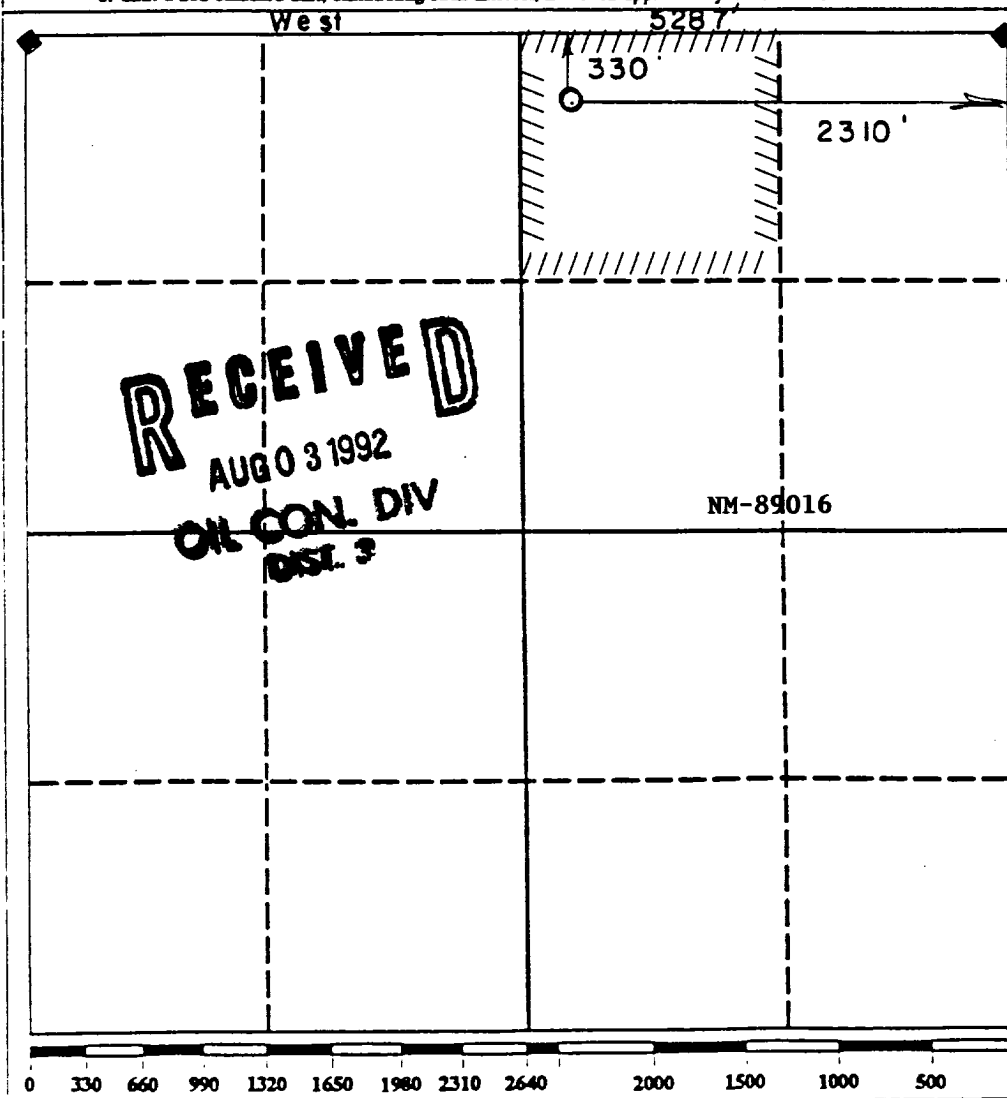
DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator <b>MERRION OIL &amp; GAS</b>			Lease Fork Rock Mesa		Well No. <b>Fork Rock Mesa 1</b>
Unit Letter <b>B</b>	Section <b>36</b>	Township <b>20 N.</b>	Range <b>3 W.</b>	County <b>Sandoval</b>	
Actual Footage Location of Well: <b>330'</b> feet from the <b>North</b> line and <b>2310</b> feet from the <b>East</b> line					
Ground level Elev. <b>6964'</b>	Producing Formation <b>Entrada</b>		Pool <b>Wildcat, SAN ISIDRO</b>	Dedicated Acreage: <b>40</b> Acres	

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



OPERATOR CERTIFICATION

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

Signature: *[Signature]*  
Printed Name: **Steven S. Dunn**  
Position: **Operations Manager**  
Company: **Merrion Oil & Gas Corp.**  
Date: **June 8, 1992**

SURVEYOR CERTIFICATION

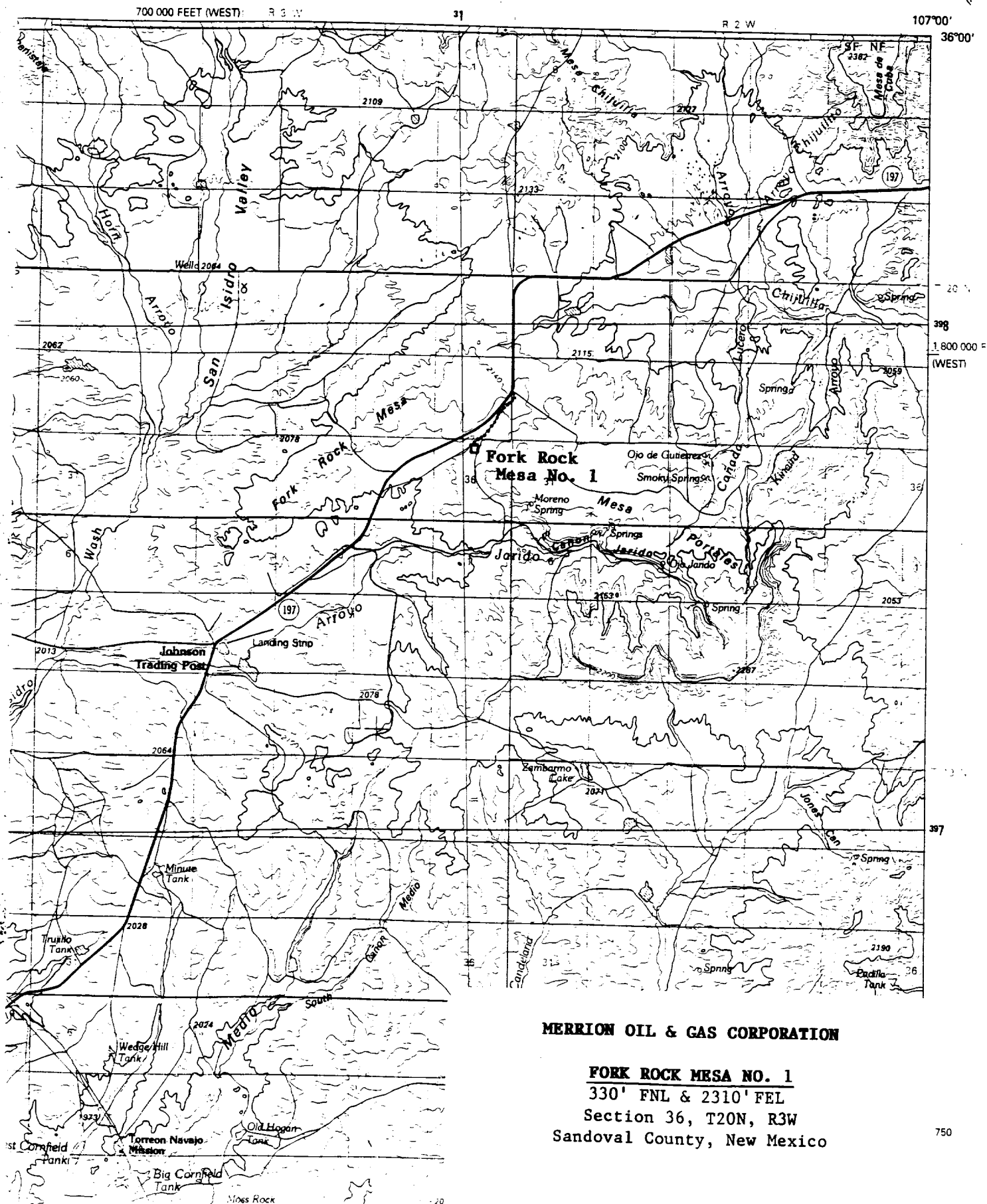
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed: **22 June 1992**  
Signature: *[Signature]*  
Professional Surveyor  
Circular stamp: **NEW MEXICO**, **REGISTERED SURVEYOR**, **6849**  
Certificate No. \_\_\_\_\_



**CHACO MESA QUADRANGLE**  
**NEW MEXICO**  
**1:100 000-SCALE SERIES (TOPOGRAPHIC)**

(ABQ)



**MERRION OIL & GAS CORPORATION**

**FORK ROCK MESA NO. 1**  
**330' FNL & 2310' FEL**  
**Section 36, T20N, R3W**  
**Sandoval County, New Mexico**