

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

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 any State or Federal law)

At surface

1715' FNL and 925' FWL

At proposed prod. zone

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

12 miles North of Lindrith, New Mexico

15. DISTANCE FROM PROPOSED\*

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

925'

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

760'

16. NO. OF ACRES IN LEASE

280 409.92

19. PROPOSED DEPTH

7864'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, H, or CR)

7317' GL

This action is subject to technical and  
procedural review pursuant to 43 CFR 3165.3  
and appeal pursuant to 43 CFR 3165.4

22. APPROX. DATE WORK WILL START\*

Fall/1986

23.

PROPOSED CASING AND CEMENTING PROGRAM DRILLING OPERATIONS AUTHORIZED ARE

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8", J-55	32 #/ft.	250'	125 sx Class B (148 cu. ft.)
8-3/4"				
7-7/8"	5-1/2", J-55	15.5 & 17 #/ft.	7864'	as below

Propose to drill 12-1/4" hole to 250' and set 237' ± of 9-5/8", 32 #/ft, J-55 surface casing with 125 sx Class B (148 cu. ft.) cement, 3% CaCl<sub>2</sub>. Will drill 8-3/4" hole to approximately 5500'. Will reduce to 7-7/8" hole to 7864'. Will run open hole logs. If well appears productive, will run 5-1/2", 15.5 and 17 #/ft. J-55 casing to TD and cement in three stages. 1st Stage - 250 sx Class H 2% gel (305 cu. ft.) to cover Gallup. Top of cement estimated at 6154 ft. 2nd Stage - set stage tool at 6150' and cement with 160 sx Class B 2% D-79 (340 cu. ft.) followed by 50 sx Class H (61 cu. ft.) 2% gel to cover Mesaverde. Top of cement estimated at 4850'. Third Stage Tool @ 3850' KB with 150 sx Class B (309 cu. ft.) 2% D-79 followed by 50 sx (61 cu. ft.) Class H 2% gel to cover Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo. Top of cement estimated at 2400 ft. Will perforate and stimulate the Gallup as necessary. 10" 900 series Double Ram Preventers will be used in drilling.

Estimated tops attached.

Lost circulation is expected. Drilling mud will be low solids with fresh water base.

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.

SIGNED

TITLE Operating Manager

DATE

7/28/86

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

\*See Instructions On Reverse Side

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

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

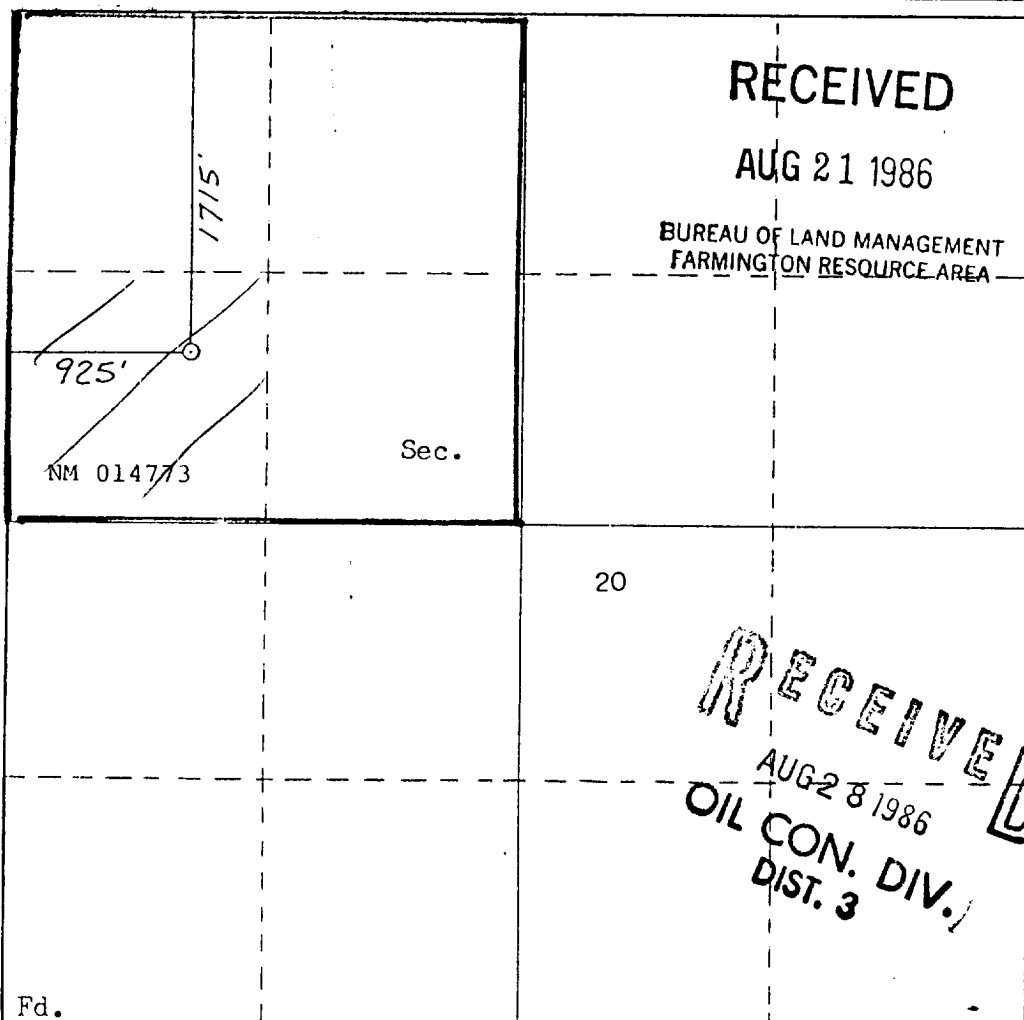
Operator <b>MERRION OIL &amp; GAS CORPORATION</b>			Lease <b>Nano Nibble</b>		Well No. <b>1</b>
Unit Letter <b>E</b>	Section <b>20</b>	Township <b>26N</b>	Range <b>2W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1715</b> feet from the <b>North</b> line and <b>925</b> feet from the <b>West</b> line					
Ground Level Elev. <b>7317</b>	Producing Formation <b>Gallup</b>		Dedicated Acreage: <del>160</del> <b>160</b> Acres		<i>NE. 1/4 Undesignated Gallup DA</i>

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.



**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*  
Steve S. Dunn  
Position  
Operations Manager  
Company  
Merrion Oil & Gas Corp.  
Date  
7/24/86

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.

6-26-86 E. MAHNEKE  
Date Surveyed  
William E. Mahneke II  
Registered Professional Engineer  
and/or Land Surveyor  
#8466  
Certificate No. 8466

