

NIMOC COPY

SUBMIT IN TRI DATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1425.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-22419

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

Mesa Petroleum Co ✓

3. ADDRESS OF OPERATOR

1000 Vaughn Building - Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1980' FSL & 660' FWL

At proposed prod. zone

Same as above

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

8½ miles SE of Lake Arthur

15. DISTANCE FROM PROPOSED\*

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

660'

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

2985'

16. NO. OF ACRES IN LEASE

1099.56

19. PROPOSED DEPTH

9000'

17. NO. OF ACRES ASSIGNED TO THIS WELL

240

20. ROTARY OR CABLE TOOLS

Rotary (Warton Drilling Co.)

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

GR 3597'

22. APPROX. DATE WORK WILL START\*

February 1, 1978

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17½"	13-3/8"	48#	350	400 sx - Circ to surface
11"	8-5/8"	24#	1700	400 sx - Circ to surface
7-7/8"	4-1/2"	11.6#	9000	Sufficient to cover all pay

Propose to drill 17½" hole to approximately 350' without BOPs. After cementing 13-3/8" casing and nipping up 12" API 3000 psi BOPs, will drill 11" hole to approximately 1700' using brine as drilling fluid. Will cement 8-5/8" casing to surface, then drill 7-7/8" hole to total depth using same BOP arrangement as before (hydraulic ram, blind and annular bag). Maximum mud weight should not exceed 9.2 PPG based upon offset well data. See attached reports for other details.

Operator's gas is dedicated to Northern Natural Gas Company.

240 acre Non-standard proration  
unit NSP-1086

RECEIVED

JAN 30 1978  
U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

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

*Debi Harrison*

TITLE

Agent

DATE

Jan. 20, 1978

(This space for Federal or State office use)

FEB 7 - 1978

PERMIT NO.

APPROVAL DATE

APPROVED BY

*Joe J. Lara*

TITLE

ACTING DISTRICT ENGINEER

DATE

FEB 7 - 1978

CONDITIONS OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS.

EXPIRES MAY 7 - 1978

\*See Instructions On Reverse Side