

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23688

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

MAR 03 1981

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

MESA PETROLEUM CO. ✓

O. C. D.

3. ADDRESS OF OPERATOR

ARTESIA, OFFICE

1000 VAUGHN BUILDING/MIDLAND, TEXAS 79701

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

At surface

660' FSL & 2302' FWL

At proposed prod. zone

SAME

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

11 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'

16. NO. OF ACRES IN LEASE*

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

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

3000'

19. PROPOSED DEPTH

8600'

20. ROTARY OR CABLE TOOLS

ROTARY

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

3497.7' GR

22. APPROX. DATE WORK WILL START*

MARCH 1, 1981

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	350'	400 sx-circ to surface
11"	8 5/8"	24#	1600'	1100 sx-circ to surface
7 7/8"	4 1/2"	10.5# & 11.6#	8600'	Sufficient to cover all pay

Propose to drill 17 1/2" hole to approximately 350' without BOPs. After cementing 13 3/8" csg and nipping up 10" API 3000 psi BOPs, will drill 11" hole to approximately 1600' suing fresh water 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 pipe rams, blind rams, and annular bag). Maximum mud weight should not exceed 9.4 ppg based upon nearby well data. See attached reports for other details.

Operator's gas is not dedicated.

XC: USGS (6), TLS, CEN RCDS, ACCTG, MAH, MEC, PARTNERS, FILE, HOBBS

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

REGULATOR COORDINATOR

DATE

FEBRUARY 10, 1981

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

GEORGE H. SIDWALL

TITLE

ACTING DISTRICT ENGINEER

DATE

FEB 22 1981

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
FEB 13 1981
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO