

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*  
(Other inc. ons on  
revers. :)

Form approved.  
Budget Bureau No. 42-R1425.

30-005-61217

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 BLDG. MIDLAND, TEXAS 79701-4493

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface 1980' FSL & 1980' FWL NE/SW 4

At proposed prod. zone  
SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
26 miles north of Roswell, New Mexico

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any) 660'/660'

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT. 1880'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
3865' GR

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#             | 900'          | SURFACE                  |
| 11"          | 8 5/8"         | 24#             | 1600'         | ISOLATE WATER, OIL & GAS |
| 7 7/8"       | 4 1/2"         | 10.5#           | 4100'         | COVER ALL PAY            |

Propose to drill 17 1/2" hole to approximately 900' to set 13 3/8" surface casing and cement to surface. Will reduce hole to 11" and drill to approximately 1600' to set 8 5/8" casing. Will nipple up RAM type BOP's, reduce hole to 7 7/8" and drill to total depth. Drilling medium will be air, foam, or mud as required.

Gas Sales are dedicated.

xc: USGS (6), TLS, CEN RCDS, ACCTG, MEC, LAND, PARTNERS, FILE, REM

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 [Signature] TITLE REGULATORY COORDINATOR DATE 10-20-81

(This space for Federal or State office use) —

PERMIT NO. APPROVED APPROVAL DATE NOV 15 1981

APPROVED BY [Signature] TITLE JAMES A. GILLHAM DATE NOV 15 1981

CONDITIONS OF APPROVAL, IF ANY NOV 15 1981  
JAMES A. GILLHAM  
DISTRICT SUPERVISOR \*See Instructions On Reverse Side