

NA J.C.D. COPY  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1425.

30-005-61003

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 660' FSL & 660' FWL  
 At proposed prod. zone SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 35 MILES NORTH/NORTHEAST OF ROSWELL, NEW MEXICO

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

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 6300'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 3950.0' 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#	800'	CIRCULATE TO SURFACE
11"	8 5/8"	24#	1600'	SUFFICIENT TO ISOLATE WTR. O&G
7 7/8"	4 1/2"	10.5#	4400'	SUFFICIENT TO COVER ALL PAY

Propose to drill 17 1/2" hole on air or foam to 800' or deeper to set 13 3/8" surface casing. Will cement to surface then reduce hole to 11" and drill to 1600'. Will set 8 5/8" casing if water zones have been encountered or omit if not. Will reduce hole to 7 7/8", install ram type BOPs, and drill to total depth using air, foam, or mud as required. After log evaluation, 4 1/2" casing may be run and cemented with sufficient kinds and amounts to isolate and seal off any fresh water, oil, or gas zones encountered.

Gas Sales Are Dedicated To Transwestern Pipeline Co.

XC: USGS (6), TLS, CEN RCDS, ACCTG, ROSWELL, MEC, LAND, PARTNERS, FILE

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 R. E. Stachur WRM TITLE REGULATORY COORDINATOR DATE APRIL 27, 1981

(This space for Federal or State office use)

APPROVED

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY GEORGE H. STEWART TITLE \_\_\_\_\_ DATE \_\_\_\_\_

FOR JAMES A. GILLHAM  
DISTRICT SUPERVISOR

\*See Instructions On Reverse Side

5. LEASE DESIGNATION AND SERIAL NO.  
NM 19825

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
DORIS FEDERAL

9. WELL NO.  
2

10. FIELD AND POOL, OR WILDCAT  
UNDESIGNATED ABO

11. SEC., T., R., M., OR B.LK. AND SURVEY OR AREA  
SEC 11, T5S, R24E

12. COUNTY OR PARISH  
CHAVES

13. STATE  
NEW MEXICO

17. NO. OF ACRES ASSIGNED TO THIS WELL  
160

20. ROTARY OR CABLE TOOLS  
ROTARY

22. APPROX. DATE WORK WILL START\*  
MAY 15, 1981

RECEIVED  
JUN 23 1981

O.C.D.  
ARTERIA OFFICE

POSTED  
APR 11 1981  
h-26-81