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SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-015-23309

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 MAY - 2 1980
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
1980' FWL & 2310' FSL
At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
17 miles south of Hope, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
330'

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4252.7' GR 4265' RKB

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#	300'	300
11"	8-5/8"	24#	1800'	200/190/200
7-7/8"	4-1/2"	11.6#/10.5#	8800'	860/300

Propose to drill 17-1/2" hole to 300' without BOPs. After cementing 13-3/8" casing and nipping up 10" API 3000 psi BOPs, will drill 11" hole to approximately 1800' using fresh water as drilling fluid and lost circulation material if needed. Will cement 8-5/8" casing to surface, then drill 7-7/8" hole to total depth using the same BOP arrangement as before (hydraulic pipe rams, blind rams, and annular bag). Maximum mud weight should not exceed 9.4 ppg based upon other area wells. See attached reports for other details.

Gas sales are not dedicated.

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. Mathis TITLE Regulatory Coordinator DATE 4/16/80

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE 4-30-80

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

XC: USGS (6), PARTNERS, MEC, TLS, JBH, JWH, ACCTG, CENTRAL RECORDS, FILE 4/16/80 mp