

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

RECEIVED

DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐

JUL 10 1979

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Mesa Petroleum Co. ✓

O. C. C.

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

685' FNL and 1295' FWL of Sec 18, T23S, R30E on State Lse L-3358

At proposed prod. zone

1315' FSL & 1320' FWL of Sec 7, T23S, R30E on State Lse L-3358

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

10 miles ENE of Loving, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. on surface - 685'
at bottomhole - 1315'
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

640.48

18. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. on surface - 955'
at bottomhole - none

19. PROPOSED DEPTH

14,295' MD
(13,950' TVD)17. NO. OF ACRES ASSIGNED
TO THIS WELL

320.2

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 3012'

22. APPROX. DATE WORK WILL START*

June 1, 1979

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94	300' MD & TVD	600 sx
17½"	13-3/8"	54.5 & 61	3400' MD & TVD	2500 sx
12¼"	9-5/8"	43.5-53.5	11,185' MD (11,000' TVD)	3500 sx
8½"	5-1/2"	20	14,295' MD (13,950' TVD)	900 sx

Propose to spud well @ 685' FNL & 1295' FWL of Sec 18-T23S-R30E, and vertically drill to approximately 7000' (with above mentioned casing & cement program in effect), then directionally drill to a proposed target of 1315' FSL & 1320' FWL of Sec 7-T23S-R30E. Will attempt to encounter objective Morrow pay within a 400' radius "target area". This "target area" will allow for some variances in drilling control. Even though the drill-site and center of "target area" is on State acreage, the major portion of the target area is on mineral acreage owned by the federal government. The directionally drilled hole should cross the section line (common to both Sec 18 and Sec 7 of T23S, R30E) at an approximate depth of 9617' MD (9514' TVD). BOP and mud programs are included on attachments. Gas will be dedicated to Transwestern.

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

Steve Douglas

TITLE Engineer

DATE 4-9-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

7-6-79

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: