

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-23008

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

5. LEASE DESIGNATION AND SERIAL NO.

NM 32585

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Peterson Federal Com

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated-Morrow

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 20, T17S, R27E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

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

1980' FNL & 1980' FEL

At proposed prod. zone

Same

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

5-1/2 miles southeast of Artesia, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

160

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.

1320'

19. PROPOSED DEPTH

9800'

20. ROTARY OR CABLE TOOLS

Rotary

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

3392.6 GR

22. APPROX. DATE WORK WILL START*

October 1, 1979

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'	350 sx or to surface
12-1/4"	8-5/8"	24#	1700'	750 sx or to surface
7-7/8"	5-1/2"	11.5-17#	9800'	600 sx or sufficient to cover all pay

Propose to drill surface hole to 300' without BOP's. After cementing casing and installing bradenhead, will nipple up 12" API 3000 psi BOP's and drill intermediate hole to 1700'. Will set 8-5/8" casing and cement with volume adequate to raise cement to surface. Will nipple up 12" API 3000 psi BOP's and drill to total depth with cut brine. Maximum mud weight should not exceed 9.3 ppg based upon similar area wells.

Operator's 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

September 5, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

9-21-79

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY: