

U. S. STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

Nm-15321

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Red Hills Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 6, T26S, R33E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

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

904 Gihls Tower West, Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements,*)

At surface

660' FNL & 660' FEL of Sec. 6

At proposed prod. zone

same as above

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

24 miles west of Jal, New Mexico

15. DISTANCE FROM PROPOSED*

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

660'

16. NO. OF ACRES IN LEASE

838.8

17. NO. OF ACRES ASSIGNED TO THIS WELL

~~640~~ 320

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

NA

19. PROPOSED DEPTH

18,000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3347' GR

22. APPROX. DATE WORK WILL START*

June 1, 1975

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94	800'	1300 SX
17 1/2"	13 3/8"	54.5 - 68	5200'	4000 SX
12 1/4"	9 5/8"	40 - 53.5	13,300'	1000 500 SX
8 1/2"	7 Liner	29 - 32	17,000'	450 SX
6"	4 1/2"	13.5	18,000'	150 SX

Propose to drill with rotary tools to total depth of 18,000' using the above hole and casing program. All significant shows will be tested. Electric logs will be run at 13,000', 17,000', and 18,000'. A mud logging unit will be on location from 4,800' to 18,000'. Plans are to dually complete in the Wolfcamp and Devonian intervals. If a dry hole, will plug and abandon as directed by U.S.G.S.

Cement will be circulated on 20" and 13 3/8" casing; see attachment for details.

N.S.C. by R-5032

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 Michael P. Houston TITLE Division Engineer DATE April 15, 1975

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
MAY 30 1975
ARTHUR R. BROWN
DISTRICT ENGINEER

8-30-75

*See Instructions On Reverse Side