

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

30-015-23056

5. LEASE DESIGNATION AND SERIAL NO.

NM 4028

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Sink Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated Atoka-Morrow

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

Sec 9, T16S, R27E

12. COUNTY OR PARISH

Eddy

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 ☒

NOV 6 1979

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Mesa Petroleum Co.

O. C. C.  
ARTESIA, OFFICE

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' FSL &amp; 660' FEL

At proposed prod. zone

Same

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

Approximately 11 miles east and south of Lake Arthur, New Mex.

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

640

17. NO. OF ACRES ASSIGNED

TO THIS WELL  
E/2 32018. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

8650'

20. ROTARY OR CABLE TOOLS

Rotary

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

GR 3522.1

22. APPROX. DATE WORK WILL START\*

November 10, 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#	350'	400 sx Class C - Circ to surf
11"	8-5/8"	24#	1550'	650 sx LW + 200 sx C - circ
7-7/8"	4-1/2"	10.5#-11.6#	8650'	750 sx Class H or sufficient to cover all pay.

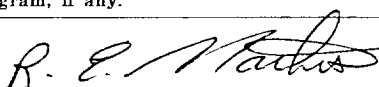
Propose to drill to 350' without BOPs. After cementing 13-3/8" casing, will drill 11" hole to approximately 1550' using fresh water - LCM fluid; BOPs will be 10" API 3000 psi WP (double hydraulic ram - pipe and blind). Will cement 8-5/8" casing string at 1550' and drill 7-7/8" hole to depth of approximately 8650' with fresh water - KCL system. Will utilize 10" API 3000 psi WP double hydraulic ram with hydril. Maximum anticipated mud weight is 7.5 - 7.6 PPG near total depth, based upon offset wells in the area. Mud weight of 9.3 - 9.4 will be in the hole @ total depth. See attached BOP and mud programs for details.

Gas sales are not dedicated to a purchaser.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and depth of proposed productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measures and true vertical depth. Give blowout preventer program, if any.

24.

SIGNED



TITLE

Regulatory Coordinator

DATE

10-17-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

11-5-79

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

xc: TLS, MEC, USGS, FILE, JWH