

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☒

b. TYPE OF WELL

OIL  
WELL ☒

Gas  
Well ☐

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Mack Energy Corporation

3. ADDRESS AND TELEPHONE NO.

P.O. Box 960 Artesia, NM 88211-0960

(505) 748-1288

4. LOCATION OR WELL (Report location clearly and in accordance with any state requirement.)\*

At surface

330 FSL 1650 FEL

FEB - 5 1997

At proposed prod. zone

330 FSL 1650 FEL

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

.6 miles North of Loco Hills, NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.

330

(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED  
OR APPLIED FOR, ON THIS LEASE, FT.

990

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES IN LEASE  
TO THIS WELL

40

19. PROPOSED DEPTH

4900

20. ROTARY OR CABLE TOOLS

Rotary

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

3666 GR

22. APPROX. DATE WORK WILL START\*

5/29/97

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	10 3/4	40.5	490	50
7 7/8	7	24	2995	50
6 1/8	4 1/2, J-55	11.6	4900	Circ

Mack Energy Proposes to deepen well from PBTD of 3260' to 4900', Log well and run 4 1/2 J-55 liner from 4900' to Surface and cement liner from 4900' to 2000'. Perf liner and test for commercial production. Mack Energy requests a ~~workover~~ pit for this proposed work.

Reserve OAL

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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

*Armando A. Lopez*

TITLE

Production Clerk

DATE

1/29/97

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:

The reserve pit must be lined and upon completion of workover the pit must be fenced. BOP required.

APPROVED BY

(ORIG. SGD.) ARMANDO A. LOPEZ

TITLE

PETROLEUM ENGINEER

DATE

2/3/97

\*See Instructions On Reverse Side