

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

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

At surface

330 FSL 330 FEL

MAY - 7 1997

At proposed prod. zone

330 FSL 330 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.

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

330

16. NO. OF ACRES IN LEASE

160

17. NO OF ACRES IN LEASE
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

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

990

19. PROPOSED DEPTH

4900

20. ROTARY OR CABLE TOOLS

Rotary

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

3653 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 | 9 5/8 | 36 | 526 | 50 |
| 7 7/8 | 7 | 24 | 2878 | 100 |
| 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.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

TITLE

Production Clerk

DATE

4/23/97

(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:

APPROVED BY

(ORIG. SGD) ALEXIS C. SWOBODA

TITLE

PETROLEUM ENGINEER

DATE

*See Instructions On Reverse Side