

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP  
(Other Instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0130  
Expires: December 31, 1991

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 OF WELL (Report location clearly and in accordance with any state requirement.)

At surface

660 FNL & 660 FWL

At proposed prod. zone

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

15 miles East of Artesia, then North 9 miles

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

640

17. NO. OF ACRES IN LEASE THIS WELL

320

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

N/A

19. PROPOSED DEPTH

9800

20. ROTARY OR CABLE TOOLS

Rotary

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

3581

22. APPROX. DATE WORK WILL START\*

4/6/01

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	H-40, 13 3/8	48	500'	Circ
12 1/4	J-55, 8 5/8	32	1800'	Circ
7 7/8	L-80, 5 1/2	17	9800	Suff to Circ

Mack Energy proposes to drill to a depth sufficient to test the Morrow formation for gas. If productive, 5 1/2" casing will be cemented. If non-productive, the well will be plugged and abandoned in a manner consistent with federal regulation.

Specific programs as per Onshore Oil and Gas Order #1 are outlined in the following attachments:

1. Surveys

Exhibit #1- Well Location Plat  
Exhibit #2- Vicinity Map  
Exhibit #3- Location Verification Map

4. Certification

5. Hydrogen Sulfide Drilling Operation Plan

Exhibit #7- H2S Warning Sign  
Exhibit #8- H2S Safety Equipment

7. Responsibility Statement

2. Drilling Program

3. Surface Use & Operating Plan

Exhibit #4- One Mile Radius Map  
Exhibit #5- Production Facilities Layout  
Exhibit #6- Location Layout

6. Blowout Preventers

Exhibit #9- BOPE Schematic  
Exhibit #10- Blowout Preventer Requirements  
Exhibit #11- Choke Manifold

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 Curtis D. Carr TITLE Production Analyst

DATE 3/6/01

(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 LEE A. THEISS

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED  
MAR 07 2001  
BLM  
ROSWEIL, NM