

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate Form approved.  
N. M. OIL & GAS Division Budget Bureau No. 1004-0136  
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

2285 FNL & 990 FWL

At proposed prod. zone

Unit E

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

.25 miles North of Loco Hills

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

355

16. NO. OF ACRES IN LEASE

120

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.

25

19. PROPOSED DEPTH

7000

20. ROTARY OR CABLE TOOLS

Rotary

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

3643

22. APPROX. DATE WORK WILL START\*

6/5/01

23.

PROPOSED CASING AND CEMENTING PROGRAM

Roswell Controlled Water Basin

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	K-55, 13 3/8	48	425	Circ WITNESS
12 1/4	K-55, 8 5/8	24	1200	Sufficient to Circ
7 7/8	J-55, 5 1/2	17	7000	Sufficient to Circ

Mack Energy proposes to drill to a depth sufficient to test the Paddock and San Andres formation for oil. 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

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

DECLARED WATER BASIN  
CEMENT BEHIND THE 13 3/8"  
CASING MUST BE CIRCULATED

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. Cat*

TITLE

Production Analyst

DATE

4/27/01

(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 /s/ LESLIE A. THEISS TITLE FIELD MANAGER

DATE JUN 27 2001

\*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

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.

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2001 APR 30 AM 8:51  
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