

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☐ ~~RE-ENTRY~~ DEEPEN ☒

b. TYPE OF WELL

OIL WELL ☒ Gas Well ☐ OTHER ☐

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 UNORTHODOX LOCATION 1650 FSL 1450 FEL  
At proposed prod. zone Unit J 1650 FSL 1450 FEL

SUBJECT TO  
LIKE APPROVAL  
BY STATE

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

East of Artesia on US 82 for 5.3 miles

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

130

16. NO. OF ACRES IN LEASE

280

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.

19. PROPOSED DEPTH

7000

20. ROTARY OR CABLE TOOLS

Rotary

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

GR-3430

ROSWELL CONTROLLED WATER BASIN

22. APPROX. DATE WORK WILL START\*

7/1/99

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2	J-55, 13 3/8	45	Set @ 390'	475sx Class C
12 1/4	J-55, 8 5/8	24	Set @ 2210'	1100sx
7 7/8	J-55, 4 1/2	11.6 <del>IT</del> LTC	7000'	Suff to Circ

Mack Energy proposes to drill to a depth sufficient to test the Wolfcamp formation for oil. If productive, 4 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: NSL-4020A

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

Post FD-1  
7-16-99  
Re-entry

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

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

Math J. Brewer

TITLE

Geological Engineer

DATE

6/2/99

(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:

Acting

Assistant Field Office Manager,  
Lands and Minerals

/S/LARRY D. BRAY

JUL 08 1999

APPROVED BY

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  
JUN 03 '99  
BLM  
ROSWEIL, NM