

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

4754  
SUBMIT IN TRIP  
(Other Instructions reverse side)

Form approved.  
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 12837

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 requirements)  
 At surface 967 FSL & 492 FWL  
 At proposed prod. zone Unit M

5. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 492

6. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. 300

7. ELEVATIONS (Show whether DF, RT, GR, etc.) 3635

5. LEASE DESIGNATION AND SERIAL NO.  
 LC-029342-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
 17381

8. FARM OR LEASE NAME, WELL NO.  
 Woolley Federal #9

9. API WELL NO. 32138

10. FIELD AND POOL, OR WILDCAT  
 30-015  
 Loco Hills Paddock

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec 21 T17S R30E

12. COUNTY OR PARISH 13. STATE  
 Eddy NM

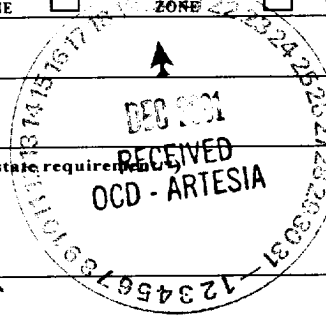
16. NO. OF ACRES IN LEASE 120

17. NO. OF ACRES IN LEASE TO THIS WELL 40

19. PROPOSED DEPTH 5500

20. ROTARY OR CABLE TOOLS  
 Rotary

22. APPROX. DATE WORK WILL START\*  
 12/20/01



23. PROPOSED CASING AND CEMENTING PROGRAM **Rooswell 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
12 1/4	K-55, 8 5/8	24	1200	Sufficient to Circ
7 7/8	J-55, 5 1/2	17	5500	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 manor 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
2. Drilling Program
3. Surface Use & Operating Plan  
 Exhibit #4- One Mile Radius Map  
 Exhibit #5- Production Facilities Layout  
 Exhibit #6- Location Layout
4. Certification
5. Hydrogen Sulfide Drilling Operation Plan  
 Exhibit #7- H2S Warning Sign  
 Exhibit #8- H2S Safety Equipment
6. Blowout Preventers  
 Exhibit #9- BOPE Schematic  
 Exhibit #10- Blowout Preventer Requirements  
 Exhibit #11- Choke Manifold
7. Responsibility Statement

**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 Cesar D. Carl TITLE Production Analyst DATE 10/26/01

(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/ JOE G. LARA TITLE Acting FIELD MANAGER DATE DEC 19 2001

\*See Instructions On Reverse Side

APPROVAL FOR 1 YEAR

RECEIVED

SEP 27 1964

U.S. DEPARTMENT OF JUSTICE