

N. M. Oil Cons. Division

Form 3160-3
(December 1990)

811 1ST ST.
ARTESIA, NM 88210-2834
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other Instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires: December 31, 1991

C/SF

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN *6-27-97 ran 7/07/97 JP*

b. TYPE OF WELL
 OIL WELL Gas Well OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Mack Energy Corporation *13837*

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: 1650 FSL & 330 FWL
 At proposed prod. zone: *WTK* 1650 FSL & 330 FWL *20TV9*

5. LEASE DESIGNATION AND SERIAL NO.
 LC-060999

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARMOR LEASE NAME, WELL NO
 McIntyre B #6 *18385*

9. API WELL NO
30-015-29756

10. FIELD AND POOL, OR WILDCAT
 Loco Hills Paddock *96218*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec 20 T17S R30E

12. COUNTY OR PARISH
 Eddy

13. STATE
 NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 1.0 mile West Loco Hills

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 80

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. 350

19. PROPOSED DEPTH 5500

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 3619 GR

22. APPROX. DATE WORK WILL START*
 7/14/97

RECEIVED

JUN 27 97

BLM ROSWELL, NM

23. PROPOSED CASING AND CEMENT **ROSWELL CONTROLLED WATER BASIN**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	K-55, 8 5/8	24	450	Circ WITNESS
7 7/8	J-55, 5 1/2	17	5500	Suff. 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:

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

Drilling Program

Surface Use & Operating Plan

Exhibit #1 & 1A - Blowout Preventer Equipment

Exhibit #2 - Location and Elevation Plat

Exhibit #3 - Planned Access Road

Exhibit #4 - One-Mile Paddock Map

Exhibit #5 - Production Facilities Layout

Exhibit #6 - Location Layout

Exhibit #7 - H2S Drilling Operations Plan

Posted ID-1 NLO API 8-1-97

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 Engineer DATE 6/26/97

(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 *John Ferguson* TITLE ADM. MINERALS DATE 7-25-97

***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.