

## N. M. Oil Cons. Division

Form 160-3  
(December 1990)811 N. 3<sup>rd</sup> ST.  
ARTESIA, NM 88210-2834  
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT IN TRIPLICATE\*  
(Other Instructions on  
reverse side)Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN			5. LEASE DESIGNATION AND SERIAL NO. LC-054988-B	
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> OTHER <input type="checkbox"/>			7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Mack Energy Corporation			8. FARMOR LEASE NAME, WELL NO Jenkins B Federal #9	
3. ADDRESS AND TELEPHONE NO P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288			9. API WELL NO 30-015-29755	
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements) At surface 2310 FNL 330 FWL At proposed prod. zone 2310 FNL 330 FWL			10. FIELD AND POOL, OR WILDCAT Loco Hills Paddock	
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 mile West of 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.		660	19. PROPOSED DEPTH 5500	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3627 GR			22. APPROX. DATE WORK WILL START* 8/1/97	
23. PROPOSED CASING AND CEMENTING PROGRAM				
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	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:

Drilling Program

Surface Use &amp; Operating Plan

Exhibit #1 &amp; 1A - Blowout Preventer Equipment

Exhibit #2 - Location and Elevation Plat

Exhibit #3 - Planned Access Road

Exhibit #4 - One- Mile Map

Exhibit #5 - Production Facilities Layout

Exhibit #6 - Location Layout

Exhibit #7 - H2S Drilling Operations Plan

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

ATTACHED

Posted 10-1  
NL & 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 Crista D. Carter TITLE Production Clerk 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 S. TERRY, JR. TITLE BLM 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.