

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN			5. LEASE DESIGNATION AND SERIAL NO. NM-0467932
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"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			7. UNIT AGREEMENT NAME 6145
2. NAME OF OPERATOR Mack Energy Corporation			8. FARM OR LEASE NAME, WELL NO. W D McIntyre E #9
3. ADDRESS AND TELEPHONE NO. P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288			9. API WELL NO. 30-015-32187
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirement.)* At surface At proposed prod. zone U1N -330 FSL-2310 FWL			10. FIELD AND POOL, OR WILDCAT Loco Hills Paddock
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 1 mile west of Loco Hills			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 20 T17S R30E
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 5000	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3605			22. APPROX. DATE WORK WILL START* 12/15/01

23. PROPOSED CASING AND CEMENTING PROGRAM				
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	5000	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:

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| 1. <u>Surveys</u>
Exhibit #1- Well Location Plat
Exhibit #2- Vicinity Map
Exhibit #3- Location Verification Map | 4. <u>Certification</u> | 7. <u>Responsibility Statement</u> |
| 2. <u>Drilling Program</u> | 5. <u>Hydrogen Sulfide Drilling Operation Plan</u>
Exhibit #7- H2S Warning Sign
Exhibit #8- H2S Safety Equipment | |
| 3. <u>Surface Use & Operating Plan</u>
Exhibit #4- One Mile Radius Map
Exhibit #5- Production Facilities Layout
Exhibit #6- Location Layout | 6. <u>Blowout Preventers</u>
Exhibit #9- BOPE Schematic
Exhibit #10- Blowout Preventer Requirements
Exhibit #11- Choke Manifold | |

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 Cussie D. Cat TITLE Production Analyst DATE 10/25/01

(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 Assistant Secretary DATE JAN 30 2002

*See Instructions On Reverse Side