

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

N. M. Oil Cons. Division

811 S. 1ST ST.

ARTESIA, NM 88210-2834

LC-054988-B

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		7. UNIT AGREEMENT 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"/>		8. FARM OR LEASE NAME, WELL NO. 6125 Jenkins B Federal #10	
2. NAME OF OPERATOR Mack Energy Corporation 13837		9. API WELL NO. 30-015-30668	
3. ADDRESS AND TELEPHONE NO. P.O. Box 960, Artesia, NM 88211-0960 (505) 748-1288		10. FIELD AND POOL, OR WILDCAT Loco Hills Paddock 96718	
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements) At surface 850 FNL & 2310 FWL At proposed prod. zone UnitC 850 FNL & 2310 FWL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 20 T17S R30E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 1 mile West of Loco Hills		12. COUNTY OR PARISH Eddy	13. STATE NM
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 160	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. 520	19. PROPOSED DEPTH 5500	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3649		22. APPROX. DATE WORK WILL START* 09/30/1999	

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	1040	Circ
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 manner 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 | Post JD-1
6-14-99
API & LOC |
| 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 Matthew J. Brewer TITLE Geological Engineer DATE 05/18/1999
(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 Larry D. Bray TITLE Assistant Field Office Manager DATE JUN 14 1999
Lands and Minerals

*See Instructions On Reverse Side

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MAY 15 '89

BLM
S.WELL, NM