

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

811 S. 1st Street  
Artesia, NM 88210-2834

1a. TYPE OF WORK <b>DRILL</b> <input type="checkbox"/> <b>DEEPEN</b> <input checked="" type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>LC-057634</b>
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> OTHER <input type="checkbox"/> <b>RE-ENTRY</b> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR <b>Mack Energy Corporation</b>		7. UNIT AGREEMENT NAME
3. ADDRESS AND TELEPHONE NO. <b>P.O. Box 960 Artesia, NM 88211-0960 (505) 748-1288</b>		8. FARM OR LEASE NAME, WELL NO. <b>18384</b> <b>McIntyre A #6</b>
4. LOCATION OR WELL (Report location clearly and in accordance with any state requirement.)* At surface <b>990 FSL 1650 FEL</b> At proposed prod. zone <b>990 FSL 1650 FEL</b>		9. API WELL NO. <b>30-015-04224</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>.45 miles West of Loco Hills, NM</b>		10. FIELD AND POOL, OR WILDCAT <b>Loco Hills Paddock</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>330</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec 20-T17S-R30E</b>
16. NO. OF ACRES IN LEASE <b>80</b>		12. COUNTY OR PARISH <b>Eddy</b>
17. NO. OF ACRES IN LEASE TO THIS WELL <b>40</b>		13. STATE <b>NM</b>
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT. <b>660</b>		19. PROPOSED DEPTH <b>5200</b>
20. ROTARY OR CABLE TOOLS <b>Rotary</b>		21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>3633 GR</b>
22. APPROX. DATE WORK WILL START* <b>3/30/98</b>		

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE. SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	28	1850	
7 7/8	7	20	2594	
6 1/8	4 1/2, J-55	11.6	5200	Circ

Mack Energy Proposes to Reenter this well as follows: Rig up install BOP, Drill out surface plug, Drill out Cement plug @ 1771-1897, Drill out Cement plug @ 2454-2638, Tag Cement plug @ 5262', Circulate hole w/cut brine, Log well and run 4 1/2 11.60#, J-55, LT&C Casing to TD 5200' and cement Casing to Surface. Perf for commercial production. Mack Energy requests a workover pit for this proposed work.

**PIT MUST BE FENCED FOR LIVESTOCK AND FLUIDS MUST BE REMOVED FROM PIT WITHIN 48 HRS OF RECOMPLETION**

**SEE ATTACHED FOR CONDITIONS OF APPROVAL**

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 C. D. Carter TITLE Production Clerk DATE 3/4/98

(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 (ORIG. SGD.) LES BABYAK TITLE PETROLEUM ENGINEER DATE APR 28 1998

\*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.