

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate* Form approved.
N.M. Oil and Gas Division
811 S. 1st Street
Artesia, NM 88210-2834
Budget Bureau No. 1004-0136
Expires: December 31, 1991

clsf

APPLICATION FOR PERMIT TO DRILL OR DEEPEN			5. LEASE DESIGNATION AND SERIAL NO. LC-029342-C		
1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" 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. FAVORIT LEASE NAME, WELL NO W D McIntyre C #3		
3. ADDRESS AND TELEPHONE NO. P.O. Box 960 Artesia, NM 88211-0960 (505) 748-1288			9. API WELL NO 30-015-04227		
4. LOCATION OR WELL (Report location clearly and in accordance with any state requirement.)* At surface 1650 FNL 990 FEL At proposed prod. zone 1650 FNL 990 FEL			10. FIELD AND POOL, OR WILDCAT Grayburg Jcksn, SR,QN,GB,SA		
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* 1/4 miles Northwest of Loco Hills, 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 120		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. 1320		19. PROPOSED DEPTH 4900		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3650 GR			22. APPROX. DATE WORK WILL START* 2/20/97		

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	32	504	50
7 7/8	7	24	2904	100
6 1/8	4 1/2, J-55	11.6	4900	Circ

Mack Energy Proposes to deepen well from PBTD of 3300' to 4900', Log well and run 4 1/2 J-55 liner from 4900' to Surface and cement liner from 4900' to 2000'. Perf liner and test for commercial production. Mack Energy requests a ~~workover~~ pit for this proposed work.
reserve gal

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 Creson D. Carter TITLE Production Clerk DATE 1/29/97

(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 SCOTT D. BROWN TITLE PETROLEUM ENGINEER DATE 2/4/97

*See Instructions On Reverse Side