

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on
reverse side)

FORM APPROVED
OMB NO. 1004-0136
Expires February 28, 1995

OCD

APPLICATION FOR PERMIT TO DRILL OR DEEPEN				5. LEASE DESIGNATION AND SERIAL NO. NM052	
1a. TYPE OF WORK Drill <input type="checkbox"/> Deepen <input checked="" type="checkbox"/>				6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
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 N/A	
2. NAME OF OPERATOR Mallon Oil Company				8. FARM OR LEASE NAME, WELL NO. Mallon 34 Federal No. 13	
3. ADDRESS AND TELEPHONE NO. P.O. Box 3256 Carlsbad, NM 88220 (505) 885-4596				9. API WELL NO. 30-025-32815	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FSL and 1980' FWL (NE SW) Unit K At proposed prod. zone 1980' FSL and 1980' FWL (NE SW) Unit K				10. FIELD AND POOL, OR WILDCAT N.E. Lea Delaware	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE * 35 miles southwest of Hobbs, New Mexico				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 34, T19S-R34E	
15. DISTANCE FROM PROPOSED * LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'		16. NO. OF ACRES IN LEASE 640		17. NO. OF ACRES ASSIGNED 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 7600'		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, Etc.) 3680' GR		22. APPROX. DATE WORK WILL START 11/24/95			
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
Existing 25"	20	0.25	40'	Redi-mix to surface	
Existing 14-3/4"	9-5/8"	36#	1512'	875 sacks cmt circ to surface	
Proposed 8-3/4"	5-1/2"	15#	7600'	1454 sacks cmt	

APD to deepen TD to 7600' (Delaware). Well was drilled and TA 4/19/95.

Mallon Oil Company proposes to drill cement plug 5545'-5645', clean out to 6270' (original TD). Drill 8-3/4" hole from 6270' to 7600' with 10.0 ppg brine water mud system. Logging 7600' to 6270' (GR CNL, FDL, DLL, MSFL). Run 5-1/2" x 15# casing from TD to surface, cement with 1454' sacks cement with additives, lifting cement 200' inside 9-5/8" casing. Estimated tops of important geologic markers: Brushy Canyon 6330'. Estimated Brushy Canyon BHP 2950 psi. There will be a 2M Double Ram BOP or annular nipple up prior to on-site operations and no H2S is anticipated in association with deepening operations.

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 Shannon J. Shaw TITLE Production Superintendent DATE 11/15/95

(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 Org. Signed by Shannon J. Shaw TITLE PETROLEUM ENGINEER DATE 11/20/95

*See Instructions On Reverse Side

