

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYN. O. B. (Other in actions on  
reverse side)

30-015-26324

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. USA NM 05551		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Marathon Oil Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P. O. Box 552, Midland, TX 79702			8. FARM OR LEASE NAME North Indian Basin Unit		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1650' FWL & 330' FSL At proposed prod. zone 1650' FWL & 330' FSL			9. WELL NO. 8		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 25 miles W N W of Carlsbad, NM			10. FIELD AND POOL, OR WILDCAT Indian Basin (Penn)		
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit lide, if any) 330'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 9 T-21-S, R-23-E		
16. NO. OF ACRES IN LEASE 640			12. COUNTY OR PARISH Eddy		
17. NO. OF ACRES ASSIGNED TO THIS WELL 640			13. STATE NM		
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2394'			19. PROPOSED DEPTH 7700		
20. ROTARY OR CABLE TOOLS Rotary			21. APPROX. DATE WORK WILL START 11-15-89		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3973' GL			22. APPROX. DATE WORK WILL START 11-15-89		

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	250'	300 Sx - Circulate
11"	8 5/8"	24#	2000'	700 Sx - Circulate
7 7/8"	5 1/2"	15.5#	7700'	700 Sx - Circulate

Propose to drill no deeper than 7700'.

Casing and cementing designs are in accordance with regulations &amp; by approved methods. Blowout Preventer and related equipment shall be installed, maintained and tested in a manner consistent with Oil and Gas Order No. 2. (See Exhibits)

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

RECEIVED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 [Signature] TITLE Drilling Superintendent DATE 10/12/89  
(This space for Federal or State office use)PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
Orig. Signed by Richard L. Morus  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 10/26/89  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_NSL + NSP  
R-9050 (PENN)

\*See Instructions On Reverse Side