

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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. NM-0175744	
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"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Woodbine Petroleum, Inc.			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1445 Ross Avenue, Suite 5600 Dallas, Texas 75202			8. FARM OR LEASE NAME Mobil Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 2310' FSL and 330' FWL At proposed prod. zone 2310' FSL and 330' FWL			9. WELL NO. #3	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 15.5 miles South of Maljamar			10. FIELD AND POOL, OR WILDCAT West Lusk Delaware	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 21 T19S R32E	
16. NO. OF ACRES IN LEASE 640			12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE N.M.	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1320'			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3584 GR			22. APPROX. DATE WORK WILL START* as soon as possible	

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#	450'	See Exhibit F
11"	8 5/8"	24# & 32#	4250'	See Exhibit F
7 7/8"	5 1/2"	15.50#	7200'	See Exhibit F <i>see strips</i>

*Should we not experience lost circulation in the Capitan Reef it is anticipated that we will downsize hole to 7 7/8' at 4250' and will not set the intermediate string of pipe.

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CAPITAN REEF AREA
CARLSBAD RESOURCE AREA

APPROVAL SUBJECT TO
APPROVED
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 Richard L. Mander TITLE Executive Vice President DATE 9/28/89

(This space for Federal or State office use)

PERMIT NO. 0175744 APPROVAL DATE 10-6-89
APPROVED BY Richard L. Mander TITLE Executive Vice President DATE 10-6-89
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

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