District I PO Box 1980, Hobbs, NM 88241-1980 District II 811 S. 1st Street, Artesia, NM 88210-2834 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Resources Depart

OIL CONSERVATION DIVISION Submits 2040 South Pacheco 2040 South Pacheco Santa Fe, NM 87505

4171 Form C-101 Revised October 18, 1994 Wastructions on back

Submit to Appropriate District Office State Lease - 6 Copies Fee Lease - 5 Copies

30-0 5 3 4 7	2040 South Pacheco, Santa Fe, NM 875	605			00	D ARTESIA	AMEN	DED REPORT	
14021 3 API Number 30-0 5 20 4 Property Code 23782 FREEDMAN STATE 30-0 5 30 4 Property Code 23782 FREEDMAN STATE 1	APPLICATION FOR	R PERMIT T	O DRILL, RE-E	NTER, DE	EPEN,	PLUGBA Ç A	OR ADD	A ZONE	
API Number 30-0 5 - 3 4 7 7 30-0 5 - 3 4 7 7 30-0 5 - 3 4 7 7 30-0 5 - 3 4 7 7 30-0 5 - 3 4 7 7 30-0 5 - 3 4 7 7 30-0 3 3 3 3 3 4 8 450 400 Surface Surfac			शिष्टा राष्ट्र			² OGRID Number			
API Number 30-0 5 - 3 4 7 7 7 30-0 5 - 3 4 7 7 7 30-0 5 - 3 4 7 7 7 30-0 5 - 3 4 7 7 30-0 5 - 3 4 7 7 30-0 5 - 3 4 7 7 30-0 5 - 3 5 4 7 7 30-0 5 - 3 5 4 7 7 30-0 5 - 3 5 5 5 5 5 5 5 5 5	Marathon Oil Company		14021						
Property Code 23782	P.O. Box 552								
Property Code 23782	Midland, TX 79702		30-0 15 - 30417						
VIL or lot no. Section Township Range Lot. Idn Feet from the North/South Line Feet from the East/West line County	4 Property Code		5	Property Name					
County C	23782		FREEDMAN STATE						
C 22 18-S 28-E 750 NORTH 1860 WEST EDDY			⁷ Surface	Location					
VI. or lot no. Section Township Range Lot. Idn Feet from the North/South Line Feet from the East/West line County	UL or lot no. Section Townsi	hip Range	Lot. Idn Feet from	the North/S	outh Line	Feet from the	East/West line	County	
UL or lot no. Section Township Range Lot. Idn Feet from the North/South Line Feet from the East/West line County	C 22 18						WEST	EDDY	
F 22 18-S 28-E 1,090 NORTH 1,950 WEST EDDY	Proposed Bottom Hole Location If Different From Surface								
Proposed Pool 2	UL or lot no. Section Towns	hip Range	Lot. Idn Feet from	the North/S	outh Line	Feet from the	East/West line	County	
ILLINOIS CAMP, NORTH - MORROW I3 Cable/Rotary I4 Lease Type Code I8 Ground Level Elevation			1.0	90 N	ORTH			EDDY	
Work Type Code	9 Proposed Pool I 10 Proposed Pool 2								
P G ROTARY S 3606' 16 Multiple 17 Proposed Depth 18 Formation 19 Contractor 20 Spud Date NO 11,000' MORROW TMBR-SHARP 27 11/21/98 21 Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 17 1/2" *13 3/8" 48 450' 400 SURFACE	ILLINOIS CAME	<u>P. NORTH - MOF</u>	RROW						
P G ROTARY S 3606' 16 Multiple 17 Proposed Depth 18 Formation 19 Contractor 20 Spud Date NO 11,000' MORROW TMBR-SHARP 27 11/21/98 21 Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 17 1/2" *13 3/8" 48 450' 400 SURFACE	H. Work Type Code	12 Well Type Co	ode 13 Cabl	e/Rotary	141 ea	ase Type Code	15 Ground	evel Flevation	
16 Multiple	Work Type Code		;	,	Schease Type Code				
NO 11,000' MORROW TMBR-SHARP 27 11/21/98 21 Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 17 1/2" *13 3/8" 48 450' 400 SURFACE					10				
" Proposed Casing and Cement Program Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 17 1/2" *13 3/8" 48 450' 400 SURFACE	16 Multiple	17 Proposed Dep	pth 18 For	18 Formation		Contractor	20 Spud Date		
Hole Size Casing Size Casing weight/foot Setting Depth Sacks of Cement Estimated TOC 17 1/2" *13 3/8" 48 450' 400 SURFACE	NO			IORROW TME				/21/98	
17 1/2" *13 3/8" 48 450' 400 SURFACE			²¹ Proposed Casing	g and Cemer	it Progra	ım			
	Hole Size	Casing Size	Casing weight/foot	T ***		· · · · · · · · · · · · · · · · · · ·		timated TOC	
12 1/4" *9 5/8" 36 2.950' 1.025 SURFACE	17 1/2"	*13_3/8"	48	450		400		SURFACE	
	12 1/4"	* 9 5/8"	36	2.950		1.025		SURFACE	
					·				
						<u> </u>			
 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary WELL WAS DRILLED TO 11.030' TD, 12/14/98. PROPOSE TO DIRECTIONALLY DRILL TO STANDARD BHL TO ACHIEVE BETTER NET POROSITY IN MORROW & TRAVIS, UPPER PENN SECTIONS. 	Describe the blowout prevention progr. WELL WAS DRILLED TO 11.	nam, if any. Use addi .030' TD, 12/1	itional sheets if necessary L4/98. PROPOSE TO	D DIRECTIONA	LLY DRII	LL TO		roductive zone.	
SAME 11" 3M BOPE WILL BE UTILIZED.	SAME 11" 3M BOPE WILL B	BE UTILIZED.							
*CASING CEMENTED IN PLACE	*CASING CEMENTED IN PLA	ACE .							
23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. OIL CONSERVATION DIVISION	²³ I hereby certify that the information of my knowledge and belief.		OIL CONSERVATION DIVISION						
Signature: 1, 2040, 1 2000 De /	Signature: 1. MAPA O TY	Approved by:	Approved by: Sim W. Burn BK						
Printed name:	Printed name: R .1 LONGMTRF	Title:	, , , , , , , , , , , , , , , , , , , ,						
Title: DRILLING SUPERINTENDENT Approval Date: /- 4-99 Expiration Date: /- 4-00	T'd	Approval Date	e: /- -</td <td></td> <td></td> <td>2</td>			2			