

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
Revised March 17, 1999

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Marathon Oil Company P.O. Box 552 Midland, Texas 79702		² OGRID Number 14021
		³ API Number 30 - 025 - 25568
³ Property Code 6488	⁵ Property Name Lou Worthan	⁶ Well No. 18

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	11	22S	37E		1905'	North	860'	East	Lea

⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
⁹ Proposed Pool 1 Wantz Abo						¹⁰ Proposed Pool 2			

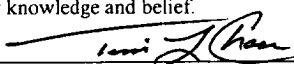
¹¹ Work Type Code P	¹² Well Type Code M	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3355'
¹⁶ Multiple Yes	¹⁷ Proposed Depth PB To 6,990'	¹⁸ Formation Abo	¹⁹ Contractor	²⁰ Spud Date February 10, 2003

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	* Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8"	32#	1250'	500	Circ'd To Surface
8-3/4"	7"	23 & 26#	7549'	1900	Circ'd To Surface

22 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.

Rig Up well service unit. Pull tubulars. Set CIBP @ 7000' w/10' cement cap to isolate Granite Wash perms 7038-7403'. Perforate Wantz Abo (2 SPF) @ 6511-21 28-43 75-76 85 92-93 6601 67-69 98-6700 04-16 37-39 45 47 52-62 66 71 86-96 6803 12-22 36-46 56-66'. Run retrievable packer on 2-3/8" tubing & set packer @ +/- 6481', isolating Tubb perms 5756-5962'. Swab test Abo, anticipating a flowing gas well from new Abo perms 6511-6866'. Rig Down well service unit.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION	
Printed name: Tim L. Chase		Approved by: ORIGINAL SIGNED BY,	
Title: Advanced Engineer Technician		Title: PAUL F. KAUTZ	
Date: February 3, 2003		Approval Date: FEB 10 2003 Expiration Date: PETROLEUM ENGINEER	
Phone: 915/687-8408		Conditions of Approval: Attached <input type="checkbox"/>	

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Drill Back

District I
1625 N. French Dr., Hobbs, NM 88240

State of New Mexico
Er Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

District II
811 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION
1220 South St. Francis Dr
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

District III
1000 Rio Brazos Rd., Aztec, NM 87410

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

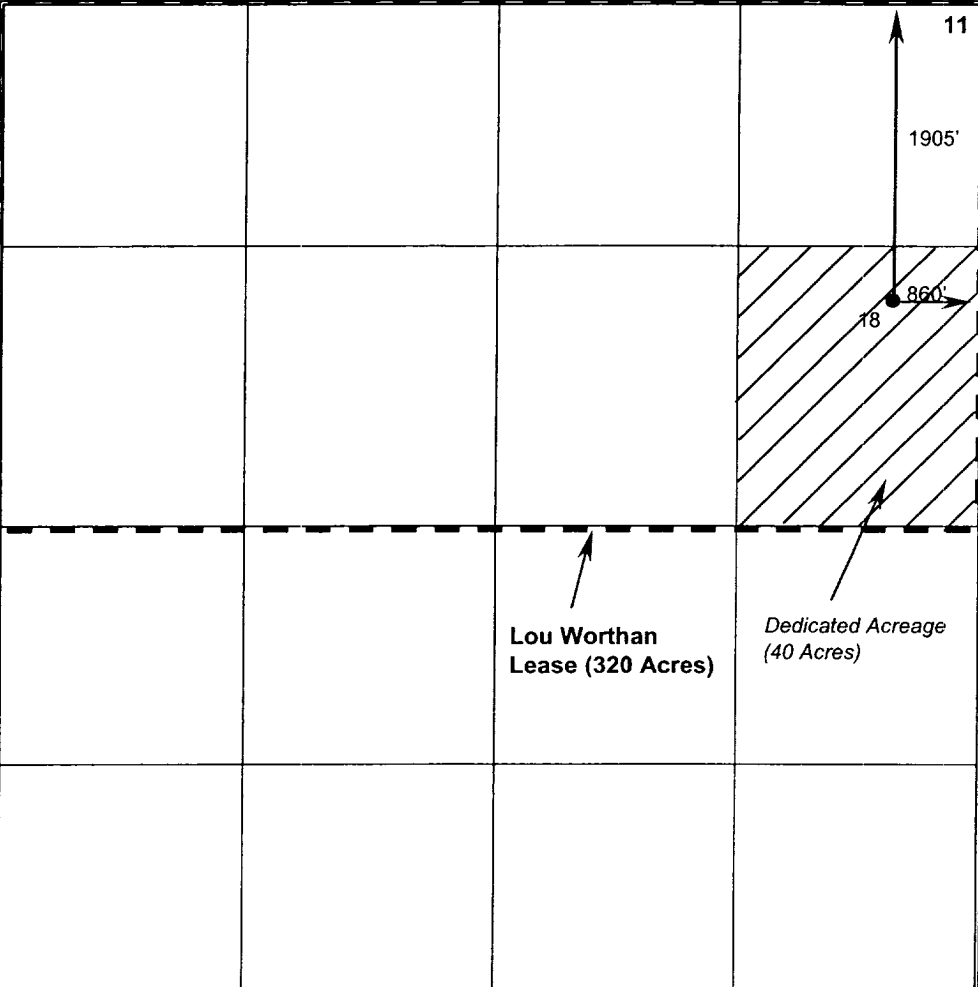

¹ API Number 30-025-25568	² Pool Code 62700	³ Pool Name Wantz Abo
⁴ Property Code 6488	⁵ Property Name Lou Worthan	⁶ Well Number 18
⁷ OGRID No. 014021	⁸ Operator Name Marathon Oil Company	⁹ Elevation G.L. 3355'

¹⁰ Surface Location									
UL or lot no. H	Section 11	Township 22S	Range 37E	Lot Idn -	Feet from the 1905'	North/South line North	Feet from the 860'	East/West line East	County Lea

¹¹ Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill Y	¹⁴ Consolidation Code -	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

				¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i> Signature  Printed Name Tim Chase Title Advanced Engineer Technician Date 02/03/03	
				SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor: Certificate Number John W. West 676 Ronald J. Eidson 3239 Gary L. Jones 7977	