

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

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

1. Operator Name and Address MARATHON OIL CO PO Box 552 Midland, TX 79701			2. OGRID Number 14021		
			3. API Number 30-025-37507		
4. Property Code 6442		5. Property Name J L MUNCY			6. Well No. 021

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	24	22S	37E	H	1980	N	960	E	LEA

**8. Pool Information**

LANGLIE MATTIX;7 RVRS-Q-GRAYBURG WILDCAT,SAN ANDRES (OIL)	37240 96077
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**Additional Well Information**

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3325
14. Multiple Y	15. Proposed Depth 5000	16. Formation San Andres	17. Contractor	18. Spud Date 11/1/2005
Depth to Ground water 60		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 miles thick Clay <input type="checkbox"/> Pit Volume: 2000 bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**19. Proposed Casing and Cement Program**

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	11	8.625	24	400	250	0
Prod	7.875	5.5	15.5	5000	1100	0

**Casing/Cement Program: Additional Comments**

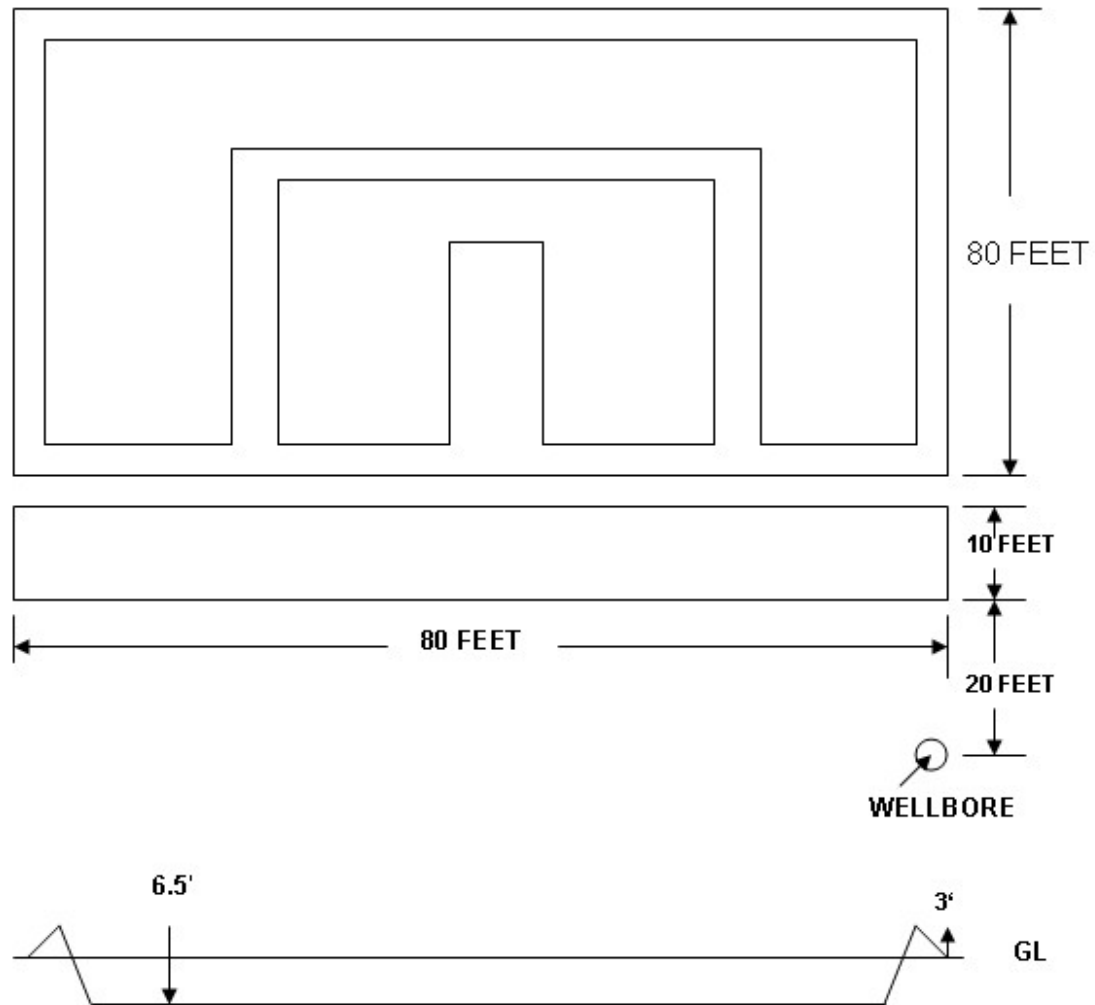
Surface cement- 250 sks. Class C w/ 2% CACL, 1.34 yield, 14.8 ppg. wt.. Cement production casing- Lead- 800 sks., Interfill C, yield 2.52, 11.8 ppg. wt. Tail- 300 sks. Class H w/ Thirotropic & gilsonite, 1.31 yield, 14.2 ppg. wt.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
DoubleRam	3000	3000	

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Printed Name: Electronically filed by Charles Kendrix	
	Title: Geologist	
	Title: Engineering Technician	Approved Date: 10/13/2005   Expiration Date: 10/13/2006
Email Address: cekendrix@MarathonOil.com		
Date: 10/12/2005	Phone: 713-296-2096	Conditions of Approval Attached

# PIT DESIGN



DISTRICT I  
1625 N. FRENCH DR., HOBBS, NM 88240

DISTRICT II  
1301 W. GRAND AVENUE, ARTESIA, NM 88210

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

DISTRICT IV  
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION  
1220 SOUTH ST. FRANCIS DR.  
Santa Fe, New Mexico 87505

Form C-102  
Revised JUNE 10, 2003  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 3 7240	Pool Name LANG. MATTIX 7 RIVERS Q. GRAYBURG
Property Code 6442	Property Name MUNCY	Well Number 21
OGRID No. 14021	Operator Name MARATHON OIL COMPANY	Elevation 3325'

Surface Location

UL or lot No. H	Section 24	Township 22-S	Range 37-E	Lot Idn	Feet from the 1980	North/South line NORTH	Feet from the 960	East/West line EAST	County LEA
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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
Dedicated Acres		Joint or Infill	Consolidation Code		Order No.				

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

<p>GEODETIC COORDINATES NAD 27 NME Y=503798.1 N X=877433.6 E LAT.=32°22'44.86" N LONG.=103°06'38.76" W</p>		<p>1980'</p> <p>960'</p> <p>#4</p>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Frank M Krugh</i> Signature FRANK M KRUGH Printed Name Reg. Comp. REP. III Title 10/12/05 Date</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>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.</p> <p>SEPTEMBER 7, 2005</p> <p>Date Surveyed Signature &amp; Seal Professional Surveyor GARY EIDSON 9/19/05 05.11.1317 Certificate No. GARY EIDSON 12641</p>
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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 96077	Pool Name WILDCAT; SAN ANDRES
Property Code 6442	Property Name MUNCY	Well Number 21
OGRID No. 14021	Operator Name MARATHON OIL COMPANY	Elevation 3325'

Surface Location

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# Permit Conditions of Approval

Operator: MARATHON OIL CO , 14021

Well: J L MUNCY #021

API: 30-025-37507

OCD Reviewer	Condition
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines
pkautz	PRIOR TO ANY PIT CONSTRUCTION NOTIFY GARY WINK AT 505-393-6161 EXT 114