

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 30-025-37533
4. Property Code 6454	5. Property Name MARK OWEN	6. Well No. 010

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	35	21S	37E	M	510	S	660	W	LEA

8. Pool Information

EUNICE;SAN ANDRES	24150
PENROSE SKELLY;GRAYBURG	50350

Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type Private	13. Ground Level Elevation 3376
14. Multiple Y	15. Proposed Depth 5000	16. Formation San Andres	17. Contractor	18. Spud Date 11/10/2005
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 _____ mils 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

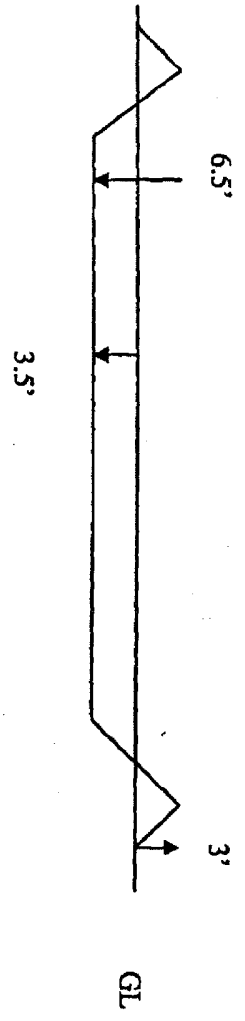
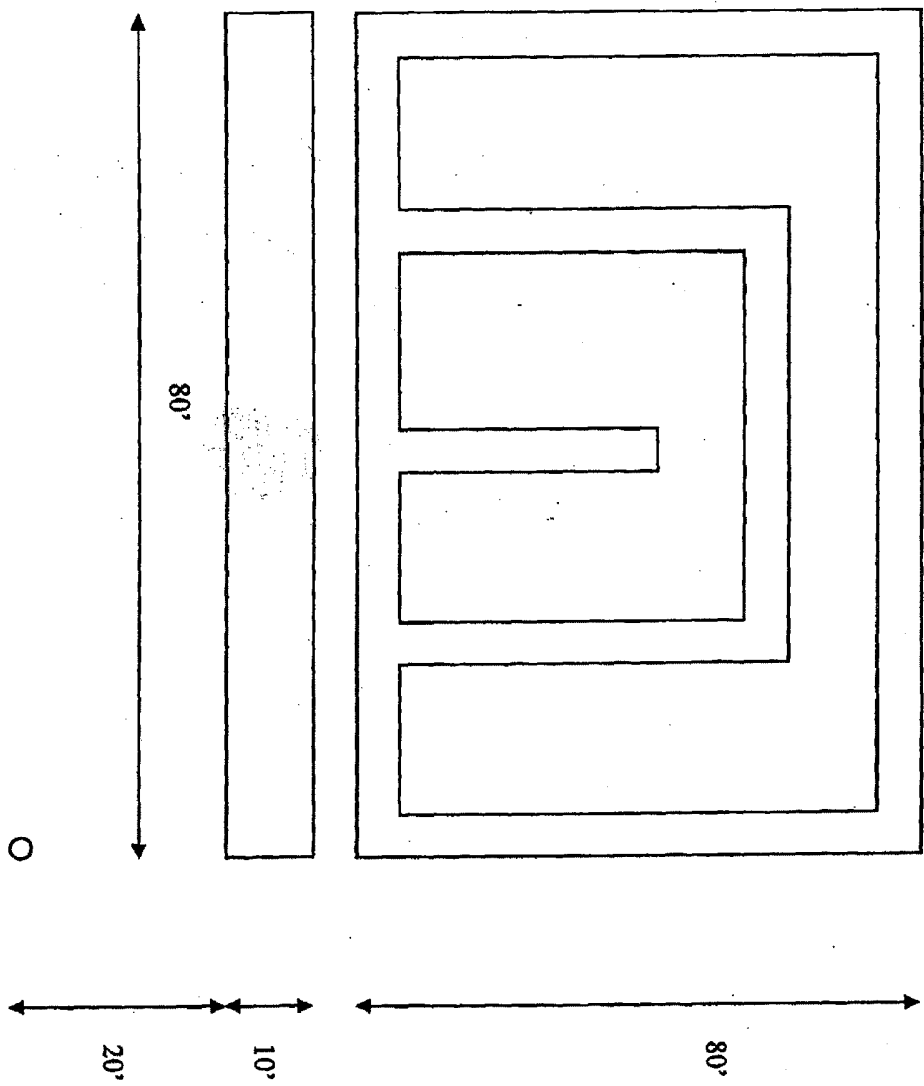
Surface cement - 250 sks. Class C w/2% CACL, 1.34 yield, 14.8 ppg. wt. Cement Production casing - lead - 800 sks., Interfill C, yield 2.52, 11.8 ppg. wt. Tail - 300 sks. Class H w/ Thirotropic & gilsonite, 1.31 yield, 14.2 ppg. wt.

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	
	Title: Geologist	
	Approved Date: 10/31/2005	Expiration Date: 10/31/2006
	Conditions of Approval Attached	

Printed Name: Electronically filed by Charles Kendrix	
Title: Engineering Technician	
Email Address: cekendrix@MarathonOil.com	
Date: 10/31/2005	Phone: 713-296-2096



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

State of New Mexico
Energy, Minerals and Natural Resources Department

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

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 24150	Pool Name EWNICE; SAN ANDRES
Property Code 6454	Property Name MARK OWEN	Well Number 10
OGRID No. 14021	Operator Name MARATHON OIL COMPANY	Elevation 3376'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	21-S	37-E		510	SOUTH	660	WEST	LEA

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</p> <p>Y=521985.0 N X=868295.3 E</p> <p>LAT.=32°25'45.82" N LONG.=103°08'22.94" W</p>	
	<p>OPERATOR CERTIFICATION</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</p> <p>FRANK M KRUGH Printed Name</p> <p>Reg. Comp. Rep. III Title</p> <p>10/31/05 Date</p>	
<p>SURVEYOR CERTIFICATION</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>OCTOBER 20, 2005</p> <p>Date Surveyed</p> <p>Signature & Seal of Professional Surveyor</p> <p><i>Ronald J. Edson</i> 3239</p> <p>05-11-1646</p> <p>Certificate No. RONALD J. EDSON 3239</p>		

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WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code 50350	Pool Name PENROSE SKELLY; GRAYBURG
Property Code 6454	Property Name MARK OWEN	Well Number 10
OGRID No. 14021	Operator Name MARATHON OIL COMPANY	Elevation 3376'

Surface Location

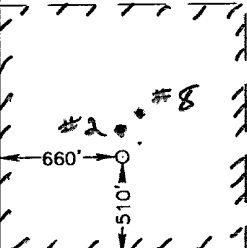
UL or lot No. M	Section 35	Township 21-S	Range 37-E	Lot Idn	Feet from the 510	North/South line SOUTH	Feet from the 660	East/West line WEST	County LEA
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UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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Permit Comments

Operator: MARATHON OIL CO , 14021

Well: MARK OWEN #010

API: 30-025-37533

Created By	Comment	Comment Date
DMULL	Intent to drill Eunice San Andres and Penrose Skelly Grayburg, but CANNOT produce Downhole commingled is approved from OCD Santa Fe office.	10/31/2005
DMULL	Downhole commingle must be approved in OCD Santa Fe.	10/31/2005

Permit Conditions of Approval

Operator: MARATHON OIL CO , 14021

Well: MARK OWEN #010

API: 30-025-37533

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
DMULL	Approval for drilling only. CANNOT produce Downhole commingled in Eunice San Andres & Penrose Skelly Grayburg. Downhole Commingle must be approved in OCD Santa Fe.