

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 5555 SAN FELIPE ST HOUSTON , TX 77056		2. OGRID Number 14021
		3. API Number 30-025-37895
4. Property Code 6428	5. Property Name MARSHALL B	6. Well No. 011

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	27	21S	37E	L	2310	S	1310	W	LEA

8. Pool Information

PENROSE SKELLY,GRAYBURG	50350
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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 3412
14. Multiple N	15. Proposed Depth 4300	16. Formation Grayburg	17. Contractor	18. Spud Date 6/6/2006
Depth to Ground water 74		Distance from nearest fresh water well 990		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	4300	1100	0

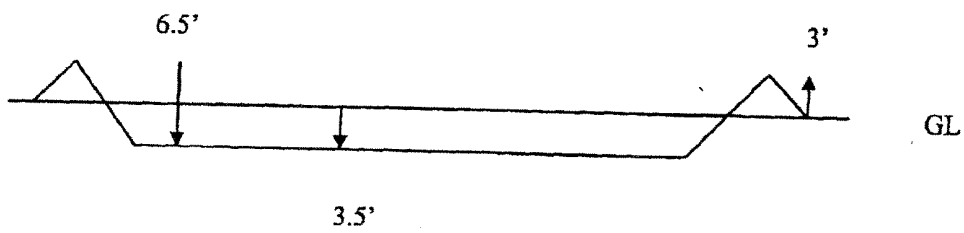
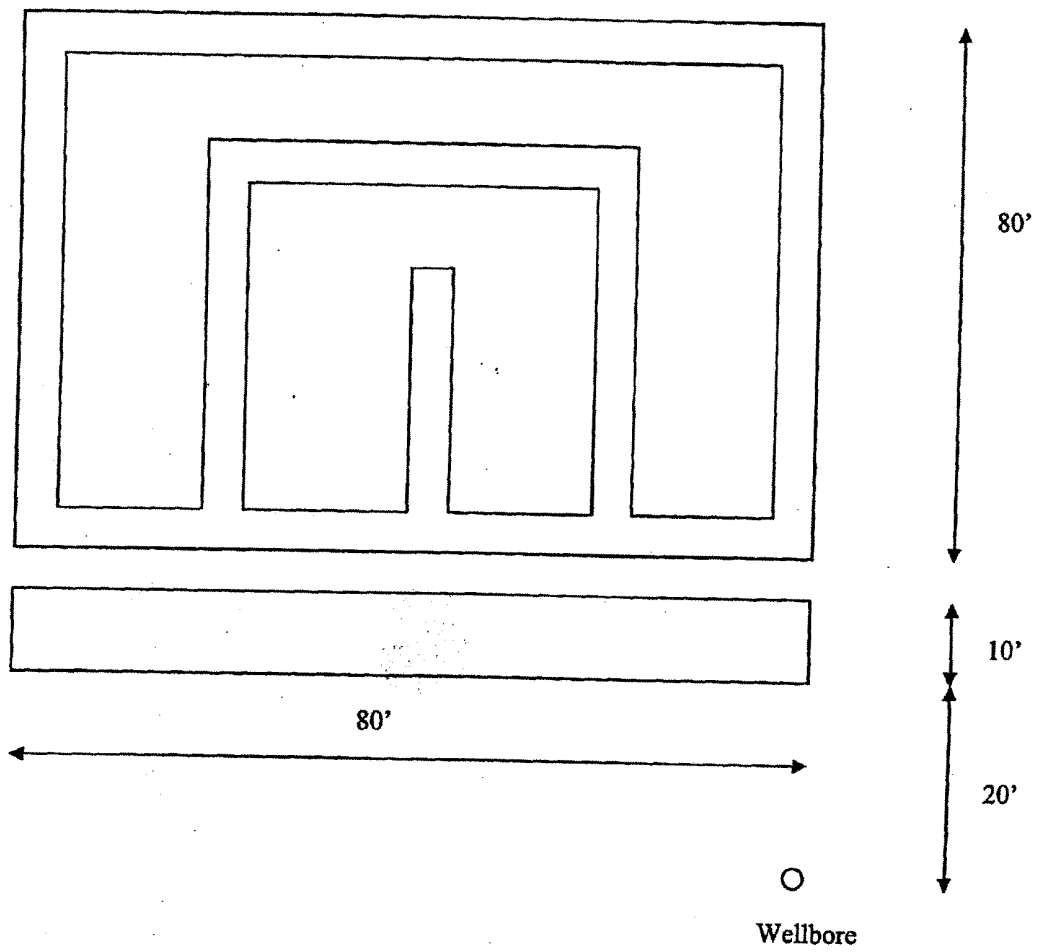
Casing/Cement Program: Additional Comments

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"/> . Printed Name: Electronically filed by Charles Kendrix Title: Engineering Technician Email Address: cekendrix@MarathonOil.com Date: 5/26/2006 Phone: 713-296-2096	OIL CONSERVATION DIVISION	
	Approved By: Paul Kautz	
	Title: Geologist	
	Approved Date: 5/30/2006	Expiration Date: 5/30/2007
	Conditions of Approval Attached	



DISTRICT I

1625 N. FRENCH DR., HOBBS, 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 50350	Pool Name PENROSE SKELLY GRAYBURG
Property Code 6428	Property Name MARSHALL B		Well Number 11
GRID No. 14021	Operator Name MARATHON OIL COMPANY		Elevation 3412'

Surface Location


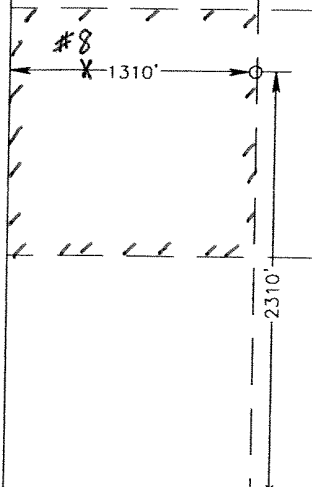
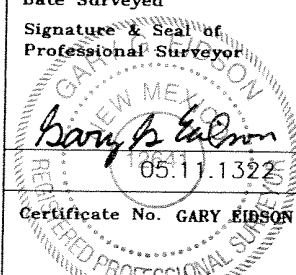
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	27	21-S	37-E		2310	SOUTH	1310	WEST	LEA

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.
40			

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

WELL LOCATION - ADMINISTRATIVE ORDER NSL-5380 (SD)		OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  Signature FRANK M. KRUGH Printed Name Reg. Comp. Rep. III Title 5/26/2006 Date	
 #8 X=1310' Y=2310' GEODETIC COORDINATES NAD 27 NME Y=529011.8 N X=863587.5 E LAT.=32°26'55.86" N LONG.=103°09'16.95" W		SURVEYOR CERTIFICATION 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. SEPTEMBER 8, 2005 Date Surveyed Signature & Seal of Professional Surveyor  Gary E. Eddon 9/20/05 Certificate No. GARY EDDON 12641	

Permit Conditions of Approval

Operator: MARATHON OIL CO , 14021

Well: MARSHALL B #011

API: 30-025-37895

OCD Reviewer	Condition
DMULL	NSL-5380(SD), 05/23/06, 2310/S & 1310/W, 40 acres, NWW/4SW/4, Penrose Skelly Grayburg, Shares with #8.
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 oit construction notify Gary Wink at 505-393-6161 ext 114