

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-101  
May 27, 2004

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

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

Submit to appropriate District Office

☐ AMENDED REPORT

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

<sup>1</sup> Operator Name and Address Marathon Oil Company P.O. Box 3487 Houston, TX 77253-3487		<sup>2</sup> OGRID Number 14021 ✓
<sup>4</sup> Property Code 6428 ✓	<sup>5</sup> Property Name Marshall B ✓	<sup>3</sup> API Number 30- 30-025-06821 ✓
<sup>9</sup> Proposed Pool 1 Penrose Skelly Grayburg (50350) ✓		<sup>6</sup> Well No. 4 ✓
<sup>10</sup> Proposed Pool 2		

**<sup>7</sup> 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	37E		1980	South	660	West	Lea

**<sup>8</sup> 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

**Additional Well Location**

<sup>11</sup> Work Type Code PB	<sup>12</sup> Well Type Code 0	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code P	<sup>15</sup> Ground Level Elevation 3415'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth	<sup>18</sup> Formation Grayburg	<sup>19</sup> Contractor	<sup>20</sup> Spud Date ASAP
Depth to ground water		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

**<sup>21</sup> Proposed Casing and Cement Program**

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17"	13 3/8"	48#	299'	250	surface
11"	8 5/8"	32#	2800'	1500	surface
8"	5 1/2"	17#	6520'	500	3339'

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway  
Plugback

<sup>22</sup> 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.

Marathon Oil Company is proposing to plugback the Paddock formation in the W.S. Marshall B No 4 and recompleate the well to the Penrose Skelly Grayburg formation. This well was approved in June 2006 for downhole commingling in the Paddock, Blinbry, and Drinkard formations. The work to downhole commingle the well in these three pools was never done, and will not be undertaken at this time. A cast iron bridge plug will be set above the existing Paddock perms to isolate that formation.

<sup>23</sup> 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 NMOC guidelines ☐ a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature: *Charles E. Kendrix*  
Printed name: Charles E. Kendrix

Title: Reg Compliance Rep

E-mail Address: cekendrix@marathonoil.com

Date: 04/26/2007

Phone: 713-296-2096

**OIL CONSERVATION DIVISION**

Approved by:

*Chris Williams*

Title:

OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date: MAY 04 2007

Expiration Date:

Conditions of Approval:

Attached ☐

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State of New Mexico  
Energy, Minerals & Natural Resources

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

Form C-102

Revised October 12, 2005

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-06821	<sup>2</sup> Pool Code 50350	<sup>3</sup> Pool Name Penrose Skelly Grayburg
<sup>4</sup> Property Code	<sup>5</sup> Property Name Marshall B	<sup>6</sup> Well Number 4
<sup>7</sup> OGRID No. 14021	<sup>8</sup> Operator Name Marathon Oil Company	<sup>9</sup> Elevation 3415'

<sup>10</sup> Surface Location

UL or lot no. L	Section 27	Township 21-S	Range 37-E	Lot. Idn	Feet from the 1980	North/South line South	Feet from the 660	East/West line West	County Lea
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<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 40		<sup>13</sup> Joint or Infill Yes		<sup>14</sup> Consolidation Code		<sup>15</sup> 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

16				<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  <i>Charles E. Kendrix</i> 04/26/2007 Signature Date Charles E. Kendrix Printed Name Reg Compliance Rep
660' → #4				<sup>18</sup> 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.  Date of Survey Signature and Seal of Professional Surveyer:  Certificate Number