

**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>3</sup> API Number 30- 25-29218
<sup>4</sup> Property Code 006442	<sup>5</sup> Property Name J.L. Muncy	<sup>6</sup> Well No. 6
<sup>9</sup> Proposed Pool 1 Undesignated Langley Mattix: 7R Queen Grayburg		<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
I	24	22-S	37-E		1920'	South	330	East	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 P	<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 3323'
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth	<sup>18</sup> Formation Queen/ Graybur	<sup>19</sup> Contractor	<sup>20</sup> Spud Date
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
12 1/4"	9 5/8"	32#	1200'	450 sks	Surface
8 3/4"	7"	23#	7700'	2250 sks	Surface

<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 plug back the J.L. Muncy No. 6 by setting a CIBP above the top San Andres perforations at 3965'. Marathon will then re-complete the well to the Langley Mattix 7R Queen Grayburg Pool.

**Permit Expires 1 Year From Approval  
Date Unless Drilling Underway  
Plugback**

<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 NMOCD 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: 08/08/2006      Phone: 713-296-2096

**OIL CONSERVATION DIVISION**

Approved by:

Title:

Approval Date: **AUG 25 2006**

Expiration Date:

**PETROLEUM ENGINEER**

Conditions of Approval:

Attached ☐

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
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District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Form C-102  
Revised June 10, 2003

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-29218	<sup>2</sup> Pool Code 37240	<sup>3</sup> Pool Name Undesignated Langlie Mattix: 7Rivers Queen Grayburg
<sup>4</sup> Property Code 006442	<sup>5</sup> Property Name J.L. Muncy	<sup>6</sup> Well Number 6
<sup>7</sup> OGRID No. 14021	<sup>8</sup> Operator Name Marathon Oil Company	<sup>9</sup> Elevation 3323'

<sup>10</sup> Surface Location

UL or lot no. I	Section 24	Township 22-S	Range 37-E	Lot. Idn	Feet from the 1920'	North/South line South	Feet from the 330'	East/West line East	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 N	<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. <i>Charles E. Kendrix</i> Signature Charles E. Kendrix Printed Name Reg. Compliance Rep. cekendrix@marathonoil.com Title and E-mail Address 08/08/2006 Date  <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