

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 & Natural Resources

Form C-101  
May 27, 2004

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- 25-25932		<sup>6</sup> Well No. 31
<sup>4</sup> Property Code 006436	<sup>5</sup> Property Name McDonald State A/C 2	
<sup>9</sup> Proposed Pool 1 Blinebry		<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
G	13	22-S	36-E		1800	North	1650	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 A or P	<sup>12</sup> Well Type Code 0	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3471
<sup>16</sup> Multiple N	<sup>17</sup> Proposed Depth	<sup>18</sup> Formation Blinebry	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 222324
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 checked="" type="checkbox"/>				

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

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8 5/8"	24#	1320'	425	Surface
7 7/8"	5 1/2"	15.5#	6798'	475	Surface

Permit Expires 1 Year From Approval  
Date Unless Drilling Underway  
Add or 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 had previously filed and received approval to add the Tubb formation to the McDonald State A/C 2 No 31 well. This C-101 is being filed contingent on the outcome of the Tubb re-completion attempt. If the Tubb completion is not economically feasible, Marathon intends to isolate the Tubb behind the tubing with the Eumont Yates Seven Rivers Queen and recompleate the Blinebry for a test of the Blinebry. Marathon will permanently isolate the Eumont Yates Seven Rivers Queen and the Tubb or request an exception to downhole two or more of these formations at the conclusion of the Blinebry test.

<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: Regulatory Compliance Representative

E-mail Address: cekendrix@marathonoil.com

Date:  
09/17/2007

Phone:  
713-296-2096

OIL CONSERVATION DIVISION

Approved by:

*Chris Williams*

Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER

Approval Date: SEP 24 2007 Expiration Date:

Oil Conservation Division

Conditions of approval: Approval for drilling ONLY  
-- CANNOT produce Downhole Commingled until  
DHC is approved in Santa Fe or OCD District I, Hobbs  
Office.

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State of New Mexico  
Energy, Minerals & Natural Resources

Form C-102  
Revised October 12, 2005

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 30-025-25932	<sup>2</sup> Pool Code 06660	<sup>3</sup> Pool Name Blinebry
<sup>4</sup> Property Code 006436	<sup>5</sup> Property Name McDonald State A/C 2	<sup>6</sup> Well Number 31
<sup>7</sup> OGRID No. 14021	<sup>8</sup> Operator Name Marathon Oil Company	<sup>9</sup> Elevation 3471'

<sup>10</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
G	13	22-S	36-E		1800	North	1650	East	Lea

<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.
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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>16</p>	<p><sup>17</sup> OPERATOR CERTIFICATION</p> <p>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.</p> <p><i>Charles E. Kendrix</i> 09/17/2007 Signature Date</p> <p>Charles E. Kendrix Printed Name</p> <p>Reg Compliance Rep</p>	
	<p><sup>18</sup> 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>Date of Survey</p> <p>Signature and Seal of Professional Surveyer:</p>	
	<p>Certificate Number</p>	