

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 <b>Marathon Oil Company</b> <b>P.O. Box 3487 Houston, TX 77253-3487</b>		<sup>2</sup> OGRID Number <b>14021</b>
		<sup>3</sup> API Number <b>30- 25-37592</b>
<sup>4</sup> Property Code <b>6428</b>	<sup>5</sup> Property Name <b>Marshall B</b>	<sup>6</sup> Well No. <b>13</b>
<sup>9</sup> Proposed Pool 1 <b>Penrose Skelly Grayburg</b>		<sup>10</sup> Proposed Pool 2 <b>Undesignated Sumont Yates Seven Rivers Queen</b>

<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
<b>N</b>	<b>27</b>	<b>21S</b>	<b>37E</b>		<b>990</b>	<b>South</b>	<b>1980</b>	<b>West</b>	<b>Lea</b>

<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 <b>P</b>	<sup>12</sup> Well Type Code <b>O</b>	<sup>13</sup> Cable/Rotary	<sup>14</sup> Lease Type Code <b>P</b>	<sup>15</sup> Ground Level Elevation <b>3413'</b>
<sup>16</sup> Multiple <b>Y</b>	<sup>17</sup> Proposed Depth	<sup>18</sup> Formation <b>Grayburg</b>	<sup>19</sup> Contractor	<sup>20</sup> Spud Date <b>03/31/2006</b>
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
<b>12 1/4"</b>	<b>8 5/8"</b>	<b>24#</b>	<b>437'</b>	<b>280</b>	<b>surface</b>
<b>7 7/8"</b>	<b>5 1/2"</b>	<b>15.5#</b>	<b>4320'</b>	<b>105</b>	<b>190' f/ surface</b>

<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 is proposing to plug back the San Andres completion in the Marshall B No. 13, and come up hole and perforate and treat the Penrose Skelly Grayburg formation. A C-102 for the Penrose Skelly Grayburg pool is already on file with the NMOC.

<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 <input type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> . Signature: <i>Charles E. Kendrick</i>		<b>OIL CONSERVATION DIVISION</b>	
Printed name: <b>Charles E. Kendrick</b>		Approved by: <i>Chris Williams</i>	
Title: <b>Regulatory Compliance Representative</b>		Title: <b>DISTRICT SUPERVISOR/GENERAL MANAGER</b>	
E-mail Address: <b>cekendrix@marathonoil.com</b>		Approval Date: <b>FEB 26 2007</b> Expiration Date:	
Date: <b>02/09/2007</b>	Phone: <b>713-296-2096</b>	Conditions of Approval: Attached <input type="checkbox"/>	