

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<br>Marathon Oil Company<br>P.O. Box 3487 Houston, TX 77253-3487 |  | <sup>2</sup> OGRID Number<br>14021      |
| <sup>4</sup> Property Code<br>006424   |  | <sup>3</sup> API Number<br>30- 25-37555 |
| <sup>5</sup> Property Name<br>Walter Lynch   |  | <sup>6</sup> Well No.<br>11             |
| <sup>9</sup> Proposed Pool 1<br>Penrose Skelly 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 |
|---------------|---------|----------|-------|----------|---------------|------------------|---------------|----------------|--------|
| E             | 1       | 22-S     | 37-E  |          | 1980          | North            | 810           | 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<br>P  | <sup>12</sup> Well Type Code<br>0 | <sup>13</sup> Cable/Rotary             | <sup>14</sup> Lease Type Code<br>P | <sup>15</sup> Ground Level Elevation<br>3356' |
| <sup>16</sup> Multiple<br>N  | <sup>17</sup> Proposed Depth      | <sup>18</sup> Formation<br>Grayburg    | <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:<br>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    | 8 5/8"      | 24 #               | 429'          | 280             | surface       |
| 7 7/8"    | 5 1/2"      | 15.5 #             | 4603'         | 1200            | 600'          |
|           |             |                    |               |                 |               |
|           |             |                    |               |                 |               |

<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 after having swab testing of the San Andres formation in the Walter Lynch-No. 11 proposes to plug back the San Andres formation and come up hole and complete the well in the Grayburg formation. No liquid hydro-carbons or gas were encountered in the San Andres formation. A C-102 Plat for the Penrose Skelly Grayburg pool (50350) is already on file with the NMOCD.

<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: Engineering Technician

E-mail Address: cekendrix@marathonoil.com

Date: 02/14/2006

Phone: 713-296-2096

**OIL CONSERVATION DIVISION**

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

**PETROLEUM ENGINEER**

**MAR 02 2006**