

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-101  
May 27, 2004

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><b>EL PASO ENERGY RATON, L.L.C.<br/>PO BOX 190<br/>RATON, NM 87740</b> |   | <sup>2</sup> OGRID Number<br><b>180514</b>     |
|  |   | <sup>3</sup> API Number<br><b>30-007-20497</b> |
| <sup>4</sup> Property Code<br><b>25179</b>   | <sup>5</sup> Property Name<br><b>VERMEJO PARK RANCH (VPR)</b> | <sup>6</sup> Well No.<br><b>VPR D 150</b>      |
| <sup>9</sup> Proposed Pool 1<br><b>VERMEJO</b>   |   | <sup>10</sup> Proposed Pool 2<br><b>RATON</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>M</b>      | <b>24</b> | <b>31N</b> | <b>17E</b> | <b>M</b> | <b>710'</b>   | <b>South</b>     | <b>497'</b>   | <b>West</b>    | <b>Colfax</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        |
|---------------|-----------|------------|------------|----------|---------------|------------------|---------------|----------------|---------------|
| <b>K</b>      | <b>24</b> | <b>31N</b> | <b>17E</b> | <b>K</b> | <b>2590'</b>  | <b>South</b>     | <b>2590'</b>  | <b>West</b>    | <b>Colfax</b> |

Additional Well Information

|   |  |   |   |   |
|---|--|---|---|---|
| <sup>11</sup> Work Type Code<br><b>N</b>  | <sup>12</sup> Well Type Code<br><b>G</b>                   | <sup>13</sup> Cable/Rotary<br><b>Rotary/Fluid</b> | <sup>14</sup> Lease Type Code<br><b>P</b> | <sup>15</sup> Ground Level Elevation<br><b>8,145'</b> |
| <sup>16</sup> Multiple<br><b>Yes</b>  | <sup>17</sup> Proposed Depth<br><b>948' TVD 3,761' TMD</b> | <sup>18</sup> Formation<br><b>Upper Vermejo</b>   | <sup>19</sup> Contractor<br><b>Encore</b> | <sup>20</sup> Spud Date<br><b>August 8, 2005</b>      |
| Depth to Groundwater  |  | 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: <b>Rotary/Fluid</b>   |  |   |   |   |
| Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" 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>11"</b>    | <b>8 5/8"</b> | <b>23#</b>         | <b>357'</b>             | <b>100 sx</b>   | <b>SURFACE</b> |
| <b>7 7/8"</b> | <b>5 1/2"</b> | <b>15.5#</b>       | <b>1,424'</b>           | <b>203 sx</b>   | <b>SURFACE</b> |
| <b>4 3/4"</b> | <b>3 1/2"</b> | <b>9.3#</b>        | <b>818'- 3,761' TMD</b> | <b>None</b>     | <b>Liner</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.

1. Set RBP in 5 1/2" casing at 900'.
2. Set whipstock in 5 1/4" casing at 818'.
3. Cut window in 5 1/2" casing at 812'- 818'.
4. Drill a 4 3/4" hole in a 130' (42°) Radius curve to a 2,813' horizontal lateral in the upper Vermejo coal (Top 948')
5. Run 3 1/2" liner (No Cement) the length of the lateral.
6. Retrieve whipstock and RBP.
7. Clean out well bore, run production equipment, and put well back on production.

<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 ☐.

Printed name: **William M. Ordemann**

Title: **Production Engineer**

E-mail Address: **bill.ordemann@elpaso.com**

Date: **07/29/05**

Phone: **(505) 445-6724**

OIL CONSERVATION DIVISION

Approved by:

Title: **DISTRICT SUPERVISOR**

Approval Date: **8/2/05**

Expiration Date: **8/2/06**

Conditions of Approval Attached ☐

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State of New Mexico  
Energy, Minerals & Natural Resources Department  
**OIL CONSERVATION DIVISION**  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 15, 2000  
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             | <sup>2</sup> Pool Code<br>97046                            | <sup>3</sup> Pool Name<br>CASTLE ROCK PARK - VERMEJO GAS (UPPER) |
| <sup>4</sup> Property Code<br>25179 | <sup>5</sup> Property Name<br>VERMEJO PARK RANCH           | <sup>6</sup> Well Number<br>VPR'D-150                            |
| <sup>7</sup> OGRID No.<br>180514    | <sup>8</sup> Operator Name<br>EL PASO ENERGY RATON, L.L.C. | <sup>9</sup> Elevation<br>8145' ±                                |

**<sup>10</sup> Surface Location**

|                    |               |                    |                 |              |                      |                           |                      |                        |                  |
|--------------------|---------------|--------------------|-----------------|--------------|----------------------|---------------------------|----------------------|------------------------|------------------|
| UL or lot no.<br>M | Section<br>24 | Township<br>T 31 N | Range<br>R 17 E | Lot Idn<br>M | Feet from the<br>710 | North/South line<br>SOUTH | Feet from the<br>497 | East/West line<br>WEST | County<br>COLFAX |
|--------------------|---------------|--------------------|-----------------|--------------|----------------------|---------------------------|----------------------|------------------------|------------------|

**<sup>11</sup> Bottom Hole Location If Different From Surface**

|                    |               |                    |                 |              |                       |                         |                       |                       |                  |
|--------------------|---------------|--------------------|-----------------|--------------|-----------------------|-------------------------|-----------------------|-----------------------|------------------|
| UL or lot no.<br>K | Section<br>24 | Township<br>T 31 N | Range<br>R 17 E | Lot Idn<br>K | Feet from the<br>2590 | North/South line<br>FSL | Feet from the<br>2590 | East/West line<br>FWL | County<br>COLFAX |
|--------------------|---------------|--------------------|-----------------|--------------|-----------------------|-------------------------|-----------------------|-----------------------|------------------|

|                               |                               |                                  |                         |
|-------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres | <sup>13</sup> Joint or Infill | <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

|                      |   |
|----------------------|---|
| <div><p>16</p></div> | <b><sup>17</sup> OPERATOR CERTIFICATION</b><br>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.<br><br>Signature<br><br>Printed Name WILLIAM ORDEEMANN<br>Title PRODUCTION ENGINEER<br>Date 7-29-05  |
|                      | <b><sup>18</sup> SURVEYOR CERTIFICATION</b><br>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.<br>Date of Survey July 28, 2005<br>Signature and Seal of Professional Surveyor:<br><br>Certificate Number NM L.S. NO. 5103 |