

1625 N. French Dr., Hobbs, NM 88240  
District I  
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

Form C-101  
May 27, 2004

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

AUG 16 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 <b>EL PASO ENERGY RATON, L.L.C. PO BOX 190 RATON, NM 87740</b>		<sup>2</sup> OGRID Number <b>180514</b>
		<sup>3</sup> API Number <b>30-007-20278</b>
<sup>4</sup> Property Code <b>25179</b>	<sup>5</sup> Property Name <b>VERMEJO PARK RANCH (VPR)</b>	<sup>6</sup> Well No. <b>VPR D 68</b>
<sup>9</sup> Proposed Pool 1 <b>VERMEJO</b>		<sup>10</sup> Proposed Pool 2 <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>P</b>	<b>2</b>	<b>30N</b>	<b>17E</b>	<b>P</b>	<b>1021'</b>	<b>South</b>	<b>1119'</b>	<b>East</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>J</b>	<b>2</b>	<b>30N</b>	<b>17E</b>	<b>J</b>	<b>2590'</b>	<b>South</b>	<b>2590'</b>	<b>East</b>	<b>Colfax</b>

**Additional Well Information**

<sup>11</sup> Work Type Code <b>N</b>	<sup>12</sup> Well Type Code <b>G</b>	<sup>13</sup> Cable/Rotary <b>Rotary/Fluid</b>	<sup>14</sup> Lease Type Code <b>P</b>	<sup>15</sup> Ground Level Elevation <b>8,357'</b>
<sup>16</sup> Multiple <b>Yes</b>	<sup>17</sup> Proposed Depth <b>1,800' TVD 3,959' TMD</b>	<sup>18</sup> Formation <b>Upper Vermejo</b>	<sup>19</sup> Contractor <b>Key</b>	<sup>20</sup> Spud Date <b>August 16, 2004</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>300'</b>	<b>100 sx</b>	<b>SURFACE</b>
<b>7 7/8"</b>	<b>5 1/2"</b>	<b>15.5#</b>	<b>2,250'</b>	<b>300 sx</b>	<b>SURFACE</b>
<b>4 3/4"</b>	<b>3 1/2"</b>	<b>9.3#</b>	<b>1,800' - 3,959' 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 1,690'.
2. Set Whipstock in 5 1/2" casing at 1,665'.
3. Cut window in 5 1/2" casing at 1,665'.
4. Drill a 4 3/4" hole in a 143' (40°) Radius curve to a 2,000' horizontal lateral in the lower Vermejo coal (Top 1,800').
5. Run 3 1/2" liner (No Cement) the length of the lateral.
6. Retrieve Whipstock and RBP.
7. Clean out wellbore , 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 <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		<b>OIL CONSERVATION DIVISION</b>	
Printed name: <b>Donald R. Lankford</b> <i>DR Lankford</i>		Approved by: <i>[Signature]</i>	
Title: <b>Production Manager</b>		Title: <b>DISTRICT SUPERVISOR</b>	
E-mail Address: don.lankford@elpaso.com		Approval Date: <b>8/17/04</b> Expiration Date: <b>8/17/05</b>	
Date: <b>08/12/04</b>	Phone: <b>(505) 445-6721</b>	Conditions of Approval Attached <input type="checkbox"/>	

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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

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 97046	<sup>3</sup> Pool Name CASTLE ROCK PARK - VERMEJO GAS	
<sup>4</sup> Property Code 25179	<sup>5</sup> Property Name VERMEJO PARK RANCH		<sup>6</sup> Well Number VPR'D'-68	
<sup>7</sup> OGRID No. 180514		<sup>8</sup> Operator Name EL PASO ENERGY RATON, L.L.C.		<sup>9</sup> Elevation 8356.9'

<sup>10</sup> Surface Location

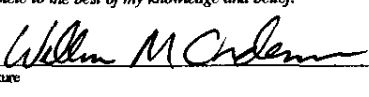

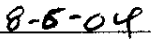

UL or lot no. P	Section 2	Township T 30 N	Range R 17 E	Lot Idn P	Feet from the 1021	North/South line SOUTH	Feet from the 1119	East/West line EAST	County COLFAX
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no. J	Section 2	Township T 30 N	Range R 17 E	Lot Idn J	Feet from the 2590	North/South line FSL	Feet from the 2590	East/West line FEL	County COLFAX
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<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<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

<sup>16</sup>				<div><p><sup>17</sup> OPERATOR CERTIFICATION</p><p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i></p><p> Signature</p><p> Printed Name: BILL ORDEHMAN</p><p>Title: PRODUCTION ENGINEER</p><p> Date</p><p><sup>18</sup> SURVEYOR CERTIFICATION</p><p><i>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.</i></p><p>August 6, 2004 Date of Survey</p><p>Signature and Seal of Professional Surveyor:  Certificate Number NM LS NO. 5103</p></div>	

