

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

Form C-101
May 27, 2004

Oil Conservation Division
1220 South 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

¹ Operator Name and Address EL PASO ENERGY RATON, L.L.C. PO BOX 190 RATON, NM 87740		² OGRID Number 180514
		³ API Number 30-007-20562
⁴ Property Code 25179	⁵ Property Name VERMEJO PARK RANCH (VPR)	⁶ Well No. VPR D 190
⁹ Proposed Pool 1 VERMEJO		¹⁰ Proposed Pool 2 RATON

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	31N	17E	P	1243'	South	258'	East	Colfax

8 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
J	14	31N	17E	J	2590'	South	2590'	East	Colfax

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary/Fluid	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 8,116'
¹⁶ Multiple Yes	¹⁷ Proposed Depth 1,027' TVD 3,718' TMD	¹⁸ Formation Lower Vermejo	¹⁹ Contractor Encore	²⁰ Spud Date April 4, 2005
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: Rotary/Fluid 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"/>				

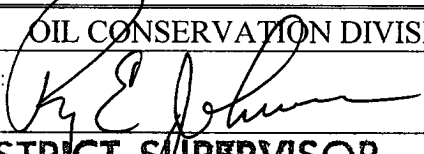
21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8 5/8"	23#	347'	100 sx	SURFACE
7 7/8"	5 1/2"	15.5#	1,290'	181 sx	SURFACE
4 3/4"	3 1/2"	9.3#	907'- 3,718' TMD	None	Liner

²² 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 Whipstock in 5 1/2" casing at 897'.
- 2 Cut window in 5 1/2" casing at 891' - 897'.
- 3 Drill a 4 3/4" hole in a 130' (42°) Radius curve to a 2,691' horizontal lateral in the lower Vermejo coal (Top 1,027').
- 4 Run 3 1/2" liner (No Cement) the length of the lateral.
- 5 Retrieve Whipstock and RBP.
- 6 Clean out wellbore, run production equipment, and put well back on production.

²³ 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 ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

OIL CONSERVATION DIVISION	
Approved by: 	Title: DISTRICT SUPERVISOR
Approval Date: 2/28/05	Expiration Date: 2/28/06
Conditions of Approval Attached <input type="checkbox"/>	

Printed name: **William M. Ordemann**
Title: **Production Engineer**
E-mail Address: **bill.ordemann@elpaso.com**
Date: **02/24/05** Phone: **(505) 445-6724**

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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

¹ API Number		² Pool Code 97046		³ Pool Name CASTLE ROCK PARK - VERMEJO GAS (LOWER VERMEJO)	
⁴ Property Code 25179		⁵ Property Name VERMEJO PARK RANCH			⁶ Well Number VPR'D'-190
⁷ OGRID No. 180514		⁸ Operator Name EL PASO ENERGY RATON, L.L.C.			⁹ Elevation 8116'

¹⁰ Surface Location

UL or lot no. P	Section 14	Township T 31 N	Range R 17 E	Lot Idn P	Feet from the 1243	North/South line SOUTH	Feet from the 258	East/West line EAST	County COLFAX
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. J	Section 14	Township T 31 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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¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> LAT/LONG NAD27 (DMS) N 36°55'04.1" W 105°05'55.1" </div>	<p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>William M Ordemann</i> Signature</p> <p>WILLIAM M ORDEMANN Printed Name</p> <p>WILLIAM M ORDEMANN Title</p> <p>2-24-05 Date</p>
	<p>18 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>February 21, 2005 Date of Survey</p> <p><i>[Signature]</i> Signature and Seal of Professional Surveyor:</p> <p>Certificate Number NM L.S. NO. 5103</p>

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¹⁶ Multiple Yes	¹⁷ Proposed Depth 760' TVD 3,451' TMD	¹⁸ Formation Upper Vermejo	¹⁹ Contractor Encore	²⁰ Spud Date April 18, 2005
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: Rotary/Fluid				
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"/>				

21 Proposed Casing and Cement Program


Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
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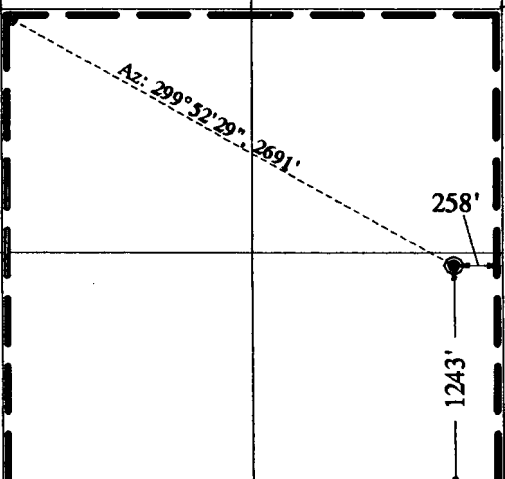
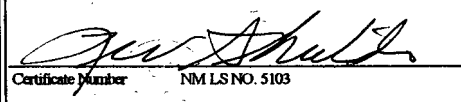
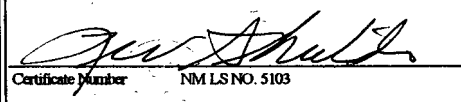
²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

1. Set RBP in 5 1/2" casing at 700'.
2. Set Whipstock in 5 1/2" casing at 630'.
3. Cut window in 5 1/2" casing at 624' - 630'.
4. Drill a 4 3/4" hole in a 130' (42°) Radius curve to a 2,691' horizontal lateral in the upper Vermejo coal (Top 760').
5. Run 3 1/2" liner (No Cement) the length of the lateral.
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Printed name: **William M. Ordemann** WMO
Title: **Production Engineer**
E-mail Address: **bill.ordemann@elpaso.com**
Date: **02/24/05** Phone: **(505) 445-6724**

OIL CONSERVATION DIVISION	
Approved by: 	
Title: DISTRICT SUPERVISOR	
Approval Date: 2/28/05	Expiration Date: 2/28/06
Conditions of Approval Attached <input type="checkbox"/>	

16				<div data-bbox="1102 974 1560 1451"><h3>17 OPERATOR CERTIFICATION</h3><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p><div data-bbox="1102 1077 1560 1136"></div><div data-bbox="1102 1136 1560 1218"><p>Printed Name WILLIAM ORDEMANN</p></div></div>
				<div data-bbox="1102 1218 1560 1451"><p>Title PRODUCTION ENGINEER</p><p>Date 2-24-05</p></div>
		<div data-bbox="451 1335 737 1417"><p>LAT/LONG NAD27 (DMS) N 36°55'04.1" W 105°05'55.1"</p></div> <div data-bbox="599 1453 1102 1932"></div> <td data-bbox="1102 1453 1560 1932"><div data-bbox="1102 1453 1560 1932"><h3>18 SURVEYOR CERTIFICATION</h3><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 February 21, 2005</p><p>Signature and Seal of Professional Surveyor:</p><div data-bbox="1102 1831 1560 1932"></div><p>Certificate Number NM LS NO. 5103</p></div></td>	<div data-bbox="1102 1453 1560 1932"><h3>18 SURVEYOR CERTIFICATION</h3><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 February 21, 2005</p><p>Signature and Seal of Professional Surveyor:</p><div data-bbox="1102 1831 1560 1932"></div><p>Certificate Number NM LS NO. 5103</p></div>	