

District I
3625 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. P.O. Box 190 Raton, New Mexico 87740		² OGRID Number 180514
		³ API Number 30-007-20892
⁴ Property Code 24648	⁵ Property Name Vermejo Park Ranch	⁶ Well No. VPR A 500
⁹ Proposed Pool 1 Glorieta		¹⁰ Proposed Pool 2 Entrada

7 Surface Location

UL or lot no. O	Section 31	Township 31N	Range 21E	Lot Idn O	Feet from the 338	North/South line South	Feet from the 2578	East/West line East	County Colfax
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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
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Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code S	¹³ Cable/Rotary Air/Rotary	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 7,966'
¹⁶ Multiple No	¹⁷ Proposed Depth 7,122	¹⁸ Formation Glorieta	¹⁹ Contractor Patterson Rig 744	²⁰ Spud Date January 2, 2008
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: 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"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 1/2"	13 3/8"	48#	350'	230 sks	Surface
12 1/4"	9 5/8"	40#	3,970'	580 sks	Surface
8 3/4"	7"	26#	7,122'	880 sks	Surface

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. Drill 17 1/2" surface hole to 350". Set 13 3/8", 48 ppf, H-40 STC casing. Cement to surface with 230 sks cement.
2. Drill 12 1/4" hole to approximately 3,970'. Set 9 5/8", 40 ppf, J-55 LTC casing. Cement with 580 sks cement.
A cement bond log will be run if unable to circulate cement to surface.
3. Drill 8 3/4" hole to the Glorieta, at approximately 7,122 MD. Set 7", 26 ppf, P-110 LTC casing. Cement with 880 sks cement.
A cement bond log will be run if unable to circulate cement to surface.
Open hole logs to include induction, resistivity, caliper, density and gamma ray.
4. Perforate the Glorieta formation and attempt to catch native formation water sample.
5. Perforate and stimulate the Glorieta interval.
6. Conduct mechanical integrity test.
7. Restoration of surface location/site.

**OIL CONSERVATION COMMISSION TO BE NOTIFIED
WITHIN 24 HOURS OF BEGINNING OPERATIONS**

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 NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION	
	Approved by: <i>Ed Martin</i>	
Printed name: David Veltri <i>DV</i>	Title: DISTRICT SUPERVISOR	
Title: Production Manager	Approval Date: 12/6/07	Expiration Date: 12/6/08
E-mail Address: david.veltri@elpaso.com		
Date: 11/30/2007	Phone: (575) 445-6721	Conditions of Approval Attached <input type="checkbox"/> SEE ABOVE

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-007-20892		² Pool Code 96970		³ Pool Name STUBBLEFIELD CANYON RATON - VERMEJO GAS	
⁴ Property Code 24648		⁵ Property Name VERMEJO PARK RANCH			⁶ Well Number VPR'A'-500
⁷ OGRID No. 180514		⁸ Operator Name EL PASO E&P Company, L.P.			⁹ Elevation 7966'

¹⁰ Surface Location									
UL or lot no. O	Section 30	Township T 31 N	Range R 21 E	Lot Idn O	Feet from the 338	North/South line SOUTH	Feet from the 2578	East/West line EAST	County COLFAX

¹¹ 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
¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code		¹⁵ 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> <div>16</div> <div> LAT/LONG NAD83 (DMS) N 36°53'10.9" W 104°44'47" </div> </div>	<div> <div>17</div> <div> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <div> <div>Shirley Mitchell</div> <div>11-30-2007</div> </div> <div> <div>Signature</div> <div>Date</div> </div> <div> <div>Shirley Mitchell</div> <div>Printed Name</div> </div> </div> </div>		
	<div> <div>18</div> <div> SURVEYOR CERTIFICATION 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. November 29, 2007 Date of Survey Signature and Seal of Professional Surveyor: <div> <div>Quayle</div> <div>Certificate Number</div> </div> <div> <div>NM L.S. NO. 5103</div> </div> </div> </div>		
	<div> <div>338'</div> <div>2578'</div> </div>		