

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. P.O. Box 190 Raton, New Mexico 87740		² OGRID Number 180514
		³ API Number 30-007-20540
³ Property Code 24648	³ Property Name Vermejo Park Ranch	⁸ Well No. VPR A 182 WDW
⁹ Proposed Pool 1 Entrada		¹⁰ Proposed Pool 2 Glorieta

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
E	28	32N	20E	E	2166	North	1074	West	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

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 8095'
¹⁶ Multiple No	¹⁷ Proposed Depth 7320'	¹⁸ Formation Entrada/Glorieta	¹⁹ Contractor Key	²⁰ Spud Date October 1, 2004
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 checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input checked="" 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'	200 sks	Surface —
12 1/4"	10 3/4"	40.5#	2600'	500 sks	Surface —
9 7/8"	7 5/8"	26.4#	6130'	1100 sks	Surface —
6 3/4"	5 1/2"	15.5#	7320'	175 sks	5980'

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 12" surface hole to 350". Set 13 3/8" casing and cement to surface with 200 sks SD 300 cement.
2. Drill 12 1/4" hole to just above Pierre Shale at approximately 2600'. Set 10 3/4" casing with 400 sks SD 300 cement. A cement bond log will be run if unable to circulate cement to surface.
3. Drill 9 7/8" hole to Dakota formation, at approximately 6130'. Set 7 5/8" casing. Cement with 1100 sks SD 300 cement. A cement bond log will be run if unable to circulate cement to surface.
4. Drill 6 3/4" hole through Entrada formation at approximately 7320'. Open hole logs to include induction, resistivity, caliper, density and gamma ray. Set 5 1/2" Liner Cement with 175 sks SD 300 cement. Top of liner at 5980'
5. Perforate Entrada formation and attempt to catch native formation water sample.
6. Conduct injectivity test.
7. Restoration of surface location/site.

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

Printed name: Donald R. Lankford

Title: Production Manager

E-mail Address: Donald.Lankford@elpaso.com

Date: 08/24/04

Phone:

OIL CONSERVATION DIVISION

Approved by:

Title: **DISTRICT SUPERVISOR**

Approval Date: 8/25/04

Expiration Date: 8/25/05

Conditions of Approval Attached ☐

Provide reserve pit and mud program descriptions

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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

¹ API Number		² Pool Code 96970	³ Pool Name STUBBLEFIELD CANYON - VERMEJO GAS	
⁴ Property Code 24648	⁵ Property Name VERMEJO PARK RANCH			⁶ Well Number VPR'A'-182 WDW
⁷ OGRID No. 180514	⁸ Operator Name EL PASO ENERGY RATON, L.L.C.			⁹ Elevation 8095' ±

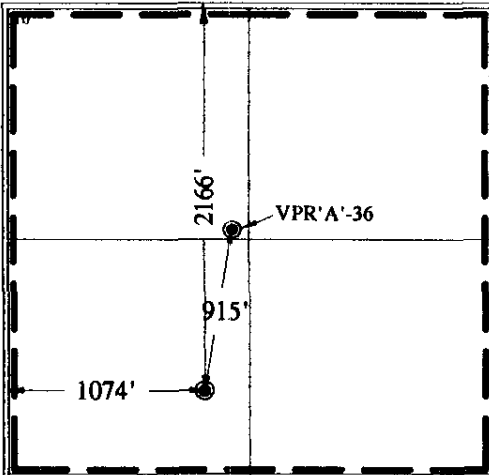
¹⁰ Surface Location

UL or lot no. E	Section 28	Township T 32 N	Range R 20 E	Lot 1dn E	Feet from the 2166	North/South line NORTH	Feet from the 1074	East/West line WEST	County COLFAX
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	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

				<p>¹⁷ OPERATOR CERTIFICATION <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 _____ Printed Name DONALD R. LANKFORD</p> <p>Title SENIOR PETROLIUM ENGINEER</p> <p>Date _____</p> <p>¹⁸ SURVEYOR CERTIFICATION <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 23, 2004 (AMENDED)</p> <p>Date of Survey _____</p> <p>Signature and Seal of Professional Surveyor: _____</p> <p>Certificate Number _____ NM L.S. NO. 5103</p>

