

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
Revised June 10, 2003

APR 15 2004

Submit to appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ 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 30-007-20536
³ Property Code 25179	⁵ Property Name Vermejo Park Ranch (VPR)	⁶ Well No. VPR D 167

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
D	1	30N	17E	D	624	FNL	1034	FWL	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	35	31N	17E	J	1360	FNL	1300	FEL	Colfax

⁹ Proposed Pool 1 Castle Rock Park – Vermejo	¹⁰ Proposed Pool 2
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¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary/Air	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 8223'
¹⁶ Multiple Yes	¹⁷ Proposed Depth	¹⁸ Formation Vermejo	¹⁹ Contractor Excell	²⁰ Spud Date May 1, 2004

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 ½"	9 5/8"	36#	300'	150 sx	Surface
8 ¾"	7"	23#	2153'	220 sx	Surface
6 1/8"	4 ½"	11.6#	2100' – 5857'	Uncemented	

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 12 ½" diameter surface hole to 320'
2. Set and cement to surface 9 5/8" surface casing at 300' with 150 sx Midcon II (13.0 ppg, 204 yield).
3. Drill 8 ¾" diameter 40° deviated intermediate hole on azimuth 295.7° to landing point at SE corner Sec. 35, T31N, 17E.
4. Set and cement 7", 23# casing at landing point MD: 2153', TVD: 1541' with 220 sx Midcon II (13.0 ppg, 2.04 yield, 100 % excess).
5. Drill 6 ¼" diameter horizontal section at 91.6° to MD: 5857', TVD 1486'.
6. Set 4 ½" perforated liner in horizontal section from MD: 2100' – 5857'.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.		OIL CONSERVATION DIVISION	
Signature: <i>DR Lankford</i>		Approved by: <i>[Signature]</i>	
Printed name: Donald R. Lankford		Title: DISTRICT SUPERVISOR	
Title: Principal Engineer		Approval Date: 4/23/04	Expiration Date: 4/23/05
E-mail Address:			
Date: 04/14/04	Phone: (505) 445-6721	Conditions of Approval: Attached ☐ <i>May be subject to new pit liner rules.</i>	

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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	
4 Property Code 25179		5 Property Name VERMEJO PARK RANCH			6 Well Number VPR'D'-167
7 OGRID No. 180514		8 Operator Name EL PASO ENERGY RATON, L.L.C.			9 Elevation 8223'

10 Surface Location

UL or lot no. D	Section 1	Township 30 N	Range 17 E	Lot Idn D	Feet from the 624	North/South line NORTH	Feet from the 1034	East/West line WEST	County COLFAX
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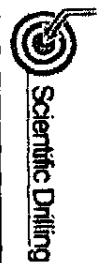
11 Bottom Hole Location If Different From Surface

UL or lot no. J	Section 35	Township 31N	Range 17E	Lot Idn J	Feet from the 1360	North/South line FNL	Feet from the 1300	East/West line FEL	County Colfax
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

35		36	
SE1/4		SW1/4	
T 31 N		T 30 N	
NE1/4		NW1/4	
VPR'D'-47		VPR'D'-55	
VPR'D'-51		VPR'D'-51	
2		1	

17 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
Signature: *DR Lankford*
Printed Name: DONALD R. LANKFORD
Title: SENIOR PETROLEUM ENGINEER
Date:
18 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.
February 4, 2004
Date of Survey
Signature and Seal of Professional Surveyor:
Don Shields
Certificate number: NM LS NO. 5103

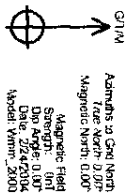


EL PASO PRODUCTION
IN BASIN CBM DEVELOPMENT
WELL VPRD-167
CASTLE ROCK
Plan #2



TARGET DETAILS

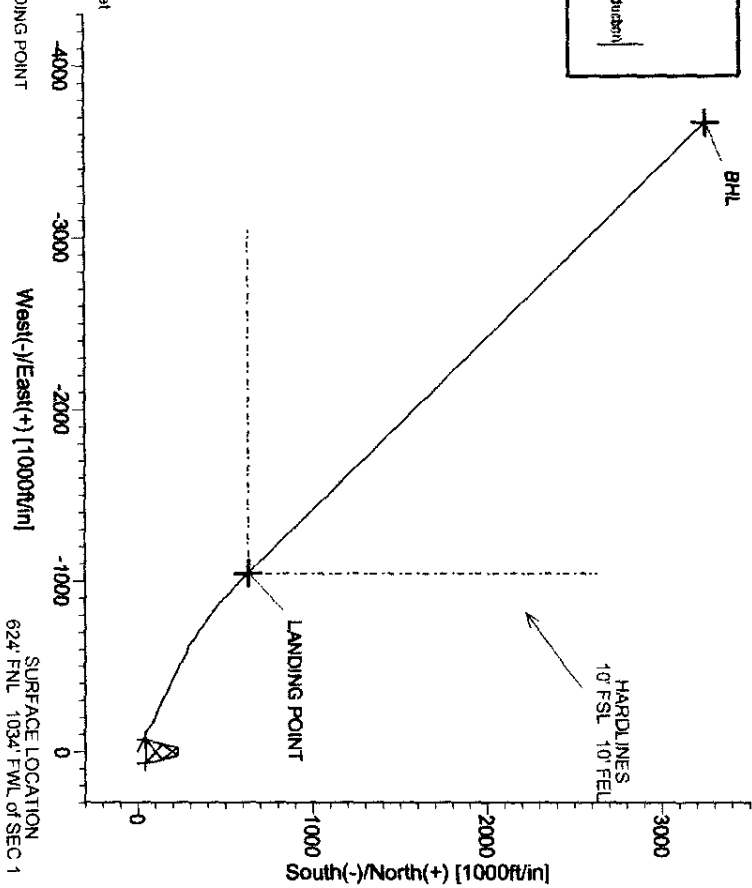
Name	TV/D	+N/-S	+E/-W	Nothing	Easting	Shape
BHL	1486.0	3254.0	-3664.0	3254.000	-3664.000	Point
LANDING POINT	1541.0	634.0	-1044.0	634.000	-1044.000	Point



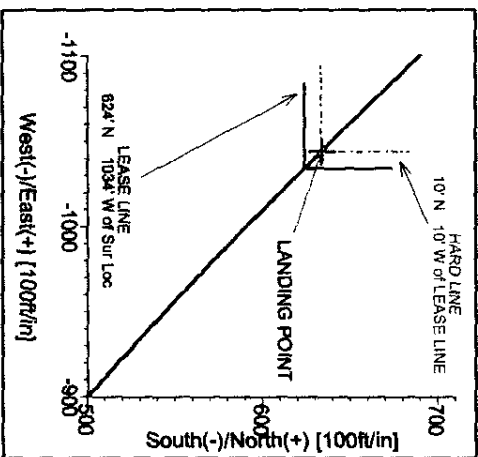
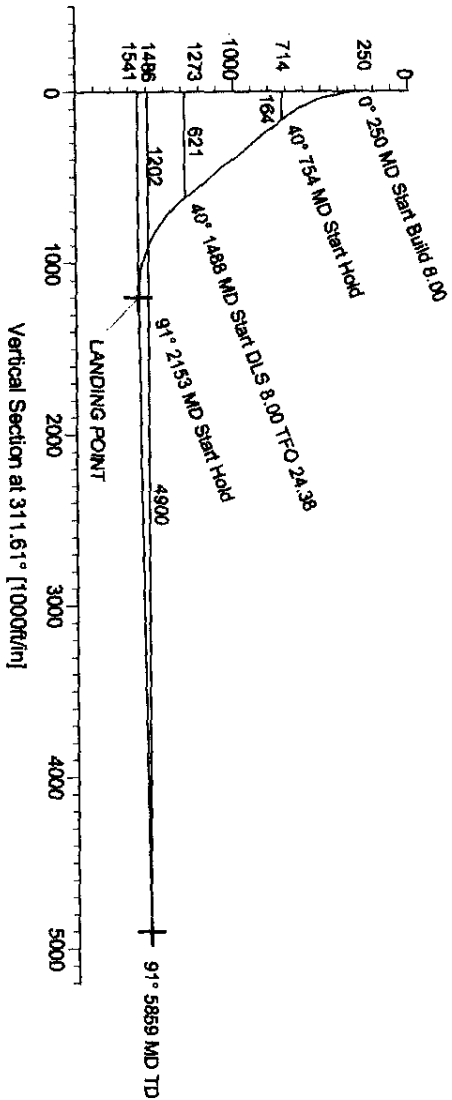
G/W
Assume to G/W North
True North 0.00°
Magnetic North 0.00°
Magnetic Field
Strength: 0.00
Dip Angle: 0.00
Declination: 0.00
Model Year: 2000

Sec	MD	Inc	Azi	TV/D	+N/-S	+E/-W	Diag	Tface	VSec	Target
1	250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.0	
2	754.3	40.34	295.71	713.6	73.9	-153.5	8.00	0.00	153.8	
3	1488.4	40.34	295.71	1273.2	280.0	-581.7	0.00	0.00	620.9	
4	2152.9	90.85	315.00	1541.0	634.0	-1044.0	8.00	24.38	1207.6	LANDING POINT
5	5856.6	90.85	315.00	1486.0	3254.0	-3664.0	0.00	0.00	4900.3	BHL

SECTION DETAILS



True Vertical Depth [1000ft/in]





Planning Report
