

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-007-20144
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name VPR D
8. Well Number 11
9. OGRID Number 180514
10. Pool name or Wildcat 97046

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other **COALBED METHANE**

2. Name of Operator
EL PASO ENERGY RATON, L.L.C.

3. Address of Operator
PO BOX 190, RATON, NM 87740

4. Well Location
Unit Letter **L** : **1616** feet from the **South** line and **1070** feet from the **West** line
Section **5** Township **30N** Range **18E** NMPM **Colfax** County
Bottom Hole Location: Unit L, Sec 5, T 30N, R 18E, 2590' FSL, 50' FWL, Colfax County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
8,566' (GR)

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: **Horizontal Lateral** ☒

1. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. Work proposed is as follows.

07/19/05 MIRU Key Rig. LD rods, tubing, and pump.
Set whipstock at 1,606', 309.5° azimuth. Start milling window from 1,606' - 1,608'.
07/24/05 MIRU CAZA Rig. Drill 4 3/4" horizontal lateral to 3,074' TMD, 1,703' TVD.
To 07/28/05 (See attachment for surveys.)
07/28/05 Circulate and clean hole. Run 3 1/2" perforated liner. Top of liner at 1,630'. Bottom of liner at 3,024'.
08/05/05 POOH with whip stock. LDDP.
Clean out with Air Unit. Clean to PBTD at 2,160'.
08/06/05 TIH with 2 7/8" production tubing, insert pump and 3/4" rods.
08/10/05 Put well back on production.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE William M. Ordemann TITLE Production Engineer DATE 08/18/05
Type or print name William M. Ordemann E-mail address: william.ordemann@elpaso.com Telephone No. (505) 445-6724

For State Use Only

APPROVED BY: [Signature] TITLE DISTRICT SUPERVISOR DATE 8/26/05
Conditions of Approval (if any): _____



Scientific Drilling Houston

Final Survey Report



Company: EL PASO PRODUCTION Date: 8/1/2005 Time: 08:37:09 Page: 1
Field: VERMEJO FIELD, NEW MEXICO Co-ordinate(NE) Reference: Well: WELL D-11, Grid North
Site: RATON (D11) Vertical (TVD) Reference: SITE 6829.0
Well: WELL D-11 Section (VS) Reference: Well (0.00N,0.00E,312.99Azi)
Wellpath: LATERAL Survey Calculation Method: Minimum Curvature Db: Sybase

Field: VERMEJO FIELD, NEW MEXICO

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf2005

Site: RATON (D11)

SECTION 5, T30N - R18E

Site Position: Northing: 2133395.4303 ft Latitude: 36 51 39.020 N
From: Geographic Easting: 287988.5355 ft Longitude: 105 3 28.957 W
Position Uncertainty: 0.0 ft North Reference: Grid
Ground Level: 6829.0 ft Grid Convergence: -0.43 deg

Well: WELL D-11

Slot Name:

Well Position: +N/-S 0.0 ft Northing: 2133395.4303 ft Latitude: 36 51 39.020 N
+E/-W 0.0 ft Easting: 287988.5355 ft Longitude: 105 3 28.957 W
Position Uncertainty: 0.0 ft

Wellpath: LATERAL

Drilled From: Surface
Tie-on Depth: 0.0 ft
Above System Datum: Mean Sea Level
Declination: 9.41 deg
Mag Dip Angle: 64.23 deg
+E/-W Direction deg

Current Datum: SITE Height 6829.0 ft
Magnetic Data: 7/18/2005
Field Strength: 51818 nT
Vertical Section: Depth From (TVD) ft +N/-S ft
0.0 0.0 0.0 312.99

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Tool
0.0	0.00	0.44	0.0	0.0	0.0	0.0	0.00	0.0	0.00	TIE LINE
100.0	0.58	80.56	100.0	0.1	0.5	-0.3	0.58	0.5	80.56	SDI Keeper
200.0	0.98	88.47	200.0	0.2	1.9	-1.2	0.41	1.9	84.18	SDI Keeper
300.0	0.54	36.15	300.0	0.6	3.0	-1.8	0.78	3.0	78.78	SDI Keeper
400.0	1.25	27.79	400.0	1.9	3.8	-1.4	0.72	4.2	62.82	SDI Keeper
500.0	1.54	9.54	499.9	4.2	4.5	-0.4	0.53	6.2	46.81	SDI Keeper
600.0	1.43	17.99	599.9	6.7	5.1	0.9	0.24	8.5	37.18	SDI Keeper
700.0	1.96	16.95	699.9	9.6	6.0	2.1	0.53	11.3	32.09	SDI Keeper
800.0	1.80	13.72	799.8	12.7	6.9	3.7	0.19	14.5	28.36	SDI Keeper
900.0	1.67	19.51	899.8	15.6	7.7	5.0	0.22	17.4	26.31	SDI Keeper
1000.0	1.74	29.27	999.7	18.3	9.0	5.9	0.30	20.4	26.05	SDI Keeper
1100.0	1.81	38.51	1099.7	20.9	10.7	6.4	0.29	23.5	27.09	SDI Keeper
1200.0	1.86	37.74	1199.6	23.4	12.7	6.7	0.06	26.6	28.41	SDI Keeper
1300.0	1.76	30.47	1299.6	26.0	14.4	7.2	0.25	29.7	29.02	SDI Keeper
1400.0	1.55	20.52	1399.5	28.6	15.7	8.0	0.36	32.6	28.74	SDI Keeper
1500.0	1.83	17.88	1499.5	31.4	16.6	9.2	0.29	35.5	27.94	SDI Keeper
1591.0	1.85	19.11	1590.4	34.2	17.6	10.4	0.05	38.4	27.23	SDI Keeper
1616.0	7.50	307.91	1615.4	35.5	16.4	12.2	28.48	39.1	24.79	SDI E-FIELD
1634.0	14.64	307.91	1633.0	37.7	13.7	15.7	39.67	40.1	19.98	SDI E-FIELD
1664.0	28.97	306.62	1660.8	44.4	4.8	26.7	47.79	44.6	6.21	SDI E-FIELD
1695.0	43.14	313.53	1685.8	56.2	-9.0	44.9	47.49	56.9	350.94	SDI E-FIELD
1725.0	53.02	308.30	1705.8	70.7	-25.9	67.1	35.38	75.3	339.92	SDI E-FIELD
1754.0	61.49	298.68	1721.5	84.1	-46.2	91.1	40.35	95.9	331.22	SDI E-FIELD
1784.0	75.42	302.27	1732.5	98.2	-70.2	118.3	47.74	120.7	324.47	SDI E-FIELD
1793.0	80.00	304.77	1734.4	103.1	-77.5	127.0	57.67	129.0	323.07	SDI E-FIELD
1811.0	90.81	304.77	1735.9	113.3	-92.2	144.7	60.06	146.1	320.86	SDI E-FIELD
1841.0	93.87	310.95	1734.6	131.7	-115.9	174.5	22.97	175.4	318.66	SDI E-FIELD
1871.0	91.35	306.12	1733.3	150.3	-139.3	204.4	18.14	204.9	317.19	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report

el paso Production

Company: EL PASO PRODUCTION
Field: VERMEJO FIELD, NEW MEXICO
Site: RATON (D11)
Well: WELL D-11
Wellpath: LATERAL

Date: 8/1/2005 Time: 08:37:09 Page: 2
Co-ordinate(NE) Reference: Well: WELL D-11, Grid North
Vertical (TVD) Reference: SITE 6829.0
Section (VS) Reference: Well (0.00N,0.00E,312.99Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Tool
1901.0	91.92	305.51	1732.4	167.9	-163.6	234.2	2.78	234.4	315.74	SDI E-FIELD
1930.0	91.65	306.65	1731.5	185.0	-187.0	262.9	4.04	263.0	314.68	SDI E-FIELD
1960.0	90.00	306.81	1731.1	202.9	-211.1	292.7	5.53	292.8	313.87	SDI E-FIELD
1990.0	91.31	306.18	1730.7	220.7	-235.2	322.5	4.85	322.6	313.19	SDI E-FIELD
2019.0	93.36	309.13	1729.6	238.4	-258.1	351.4	12.38	351.4	312.73	SDI E-FIELD
2049.0	94.48	312.33	1727.5	258.0	-280.8	381.3	11.28	381.3	312.57	SDI E-FIELD
2080.0	92.08	315.18	1725.7	279.4	-303.1	412.2	12.01	412.2	312.66	SDI E-FIELD
2110.0	88.49	309.14	1725.6	299.5	-325.4	442.2	23.42	442.2	312.63	SDI E-FIELD
2140.0	90.03	305.95	1726.0	317.8	-349.2	472.1	11.81	472.1	312.31	SDI E-FIELD
2170.0	90.34	310.65	1725.9	336.4	-372.7	502.0	15.70	502.0	312.07	SDI E-FIELD
2199.0	90.97	315.01	1725.5	356.1	-394.0	531.0	15.19	531.0	312.11	SDI E-FIELD
2229.0	90.81	317.96	1725.1	377.8	-414.6	560.9	9.85	560.9	312.34	SDI E-FIELD
2259.0	90.81	320.09	1724.7	400.5	-434.3	590.7	7.10	590.7	312.68	SDI E-FIELD
2289.0	90.27	320.77	1724.4	423.6	-453.4	620.5	2.89	620.5	313.05	SDI E-FIELD
2319.0	92.02	316.06	1723.8	446.0	-473.3	650.3	16.75	650.3	313.30	SDI E-FIELD
2348.0	93.19	310.96	1722.5	466.0	-494.3	679.3	18.03	679.3	313.31	SDI E-FIELD
2380.0	93.26	311.97	1720.7	487.1	-518.2	711.2	3.16	711.2	313.23	SDI E-FIELD
2410.0	93.29	314.00	1718.9	507.5	-540.1	741.2	6.76	741.2	313.22	SDI E-FIELD
2439.0	92.99	316.05	1717.4	528.0	-560.6	770.1	7.13	770.1	313.29	SDI E-FIELD
2469.0	91.24	319.52	1716.2	550.2	-580.7	800.0	12.95	800.0	313.45	SDI E-FIELD
2499.0	88.39	319.29	1716.3	573.0	-600.3	829.8	9.53	829.8	313.67	SDI E-FIELD
2529.0	88.45	315.13	1717.2	595.0	-620.6	859.7	13.86	859.8	313.79	SDI E-FIELD
2559.0	91.28	311.32	1717.2	615.5	-642.5	889.7	15.82	889.8	313.77	SDI E-FIELD
2589.0	92.15	308.91	1716.3	634.8	-665.4	919.6	8.54	919.7	313.65	SDI E-FIELD
2619.0	91.75	311.04	1715.3	654.1	-688.4	949.6	7.22	949.6	313.54	SDI E-FIELD
2648.0	90.87	310.68	1714.7	673.1	-710.3	978.5	3.28	978.6	313.46	SDI E-FIELD
2680.0	93.39	308.48	1713.5	693.5	-735.0	1010.4	10.45	1010.5	313.34	SDI E-FIELD
2712.0	93.73	308.96	1711.5	713.4	-759.9	1042.3	1.84	1042.3	313.19	SDI E-FIELD
2741.0	94.04	309.20	1709.5	731.7	-782.3	1071.2	1.35	1071.2	313.08	SDI E-FIELD
2771.0	91.55	308.80	1708.1	750.5	-805.6	1101.0	8.41	1101.0	312.97	SDI E-FIELD
2801.0	91.34	309.08	1707.3	769.4	-828.9	1131.0	1.17	1131.0	312.87	SDI E-FIELD
2832.0	89.53	310.47	1707.1	789.2	-852.8	1161.9	7.36	1161.9	312.78	SDI E-FIELD
2863.0	91.78	312.02	1706.7	809.6	-876.1	1192.9	8.81	1192.9	312.74	SDI E-FIELD
2893.0	92.59	313.71	1705.6	830.0	-898.0	1222.9	6.24	1222.9	312.75	SDI E-FIELD
2922.0	89.93	312.05	1704.9	849.8	-919.3	1251.9	10.81	1251.9	312.75	SDI E-FIELD
2952.0	92.29	314.64	1704.3	870.3	-941.1	1281.8	11.68	1281.9	312.76	SDI E-FIELD
2982.0	89.76	316.29	1703.8	891.7	-962.1	1311.8	10.07	1311.8	312.82	SDI E-FIELD
3012.0	88.76	315.03	1704.2	913.2	-983.1	1341.8	5.36	1341.8	312.89	SDI E-FIELD
3042.0	91.88	315.34	1704.0	934.5	-1004.2	1371.7	10.45	1371.7	312.94	SDI E-FIELD
3074.0	91.88	315.34	1703.0	957.2	-1026.7	1403.7	0.00	1403.7	312.99	PROJECTED DEPTH



EL PASO PRODUCTION

RATON WELL D-11
LATERAL
VERMEJO FIELD, NEW MEXICO

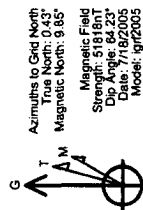


ALL DEPTHS SHOWN ARE
TRUE VERTICAL DEPTHS

WELL D-11, LATERAL, Plan #1

1703
1702
LATERAL

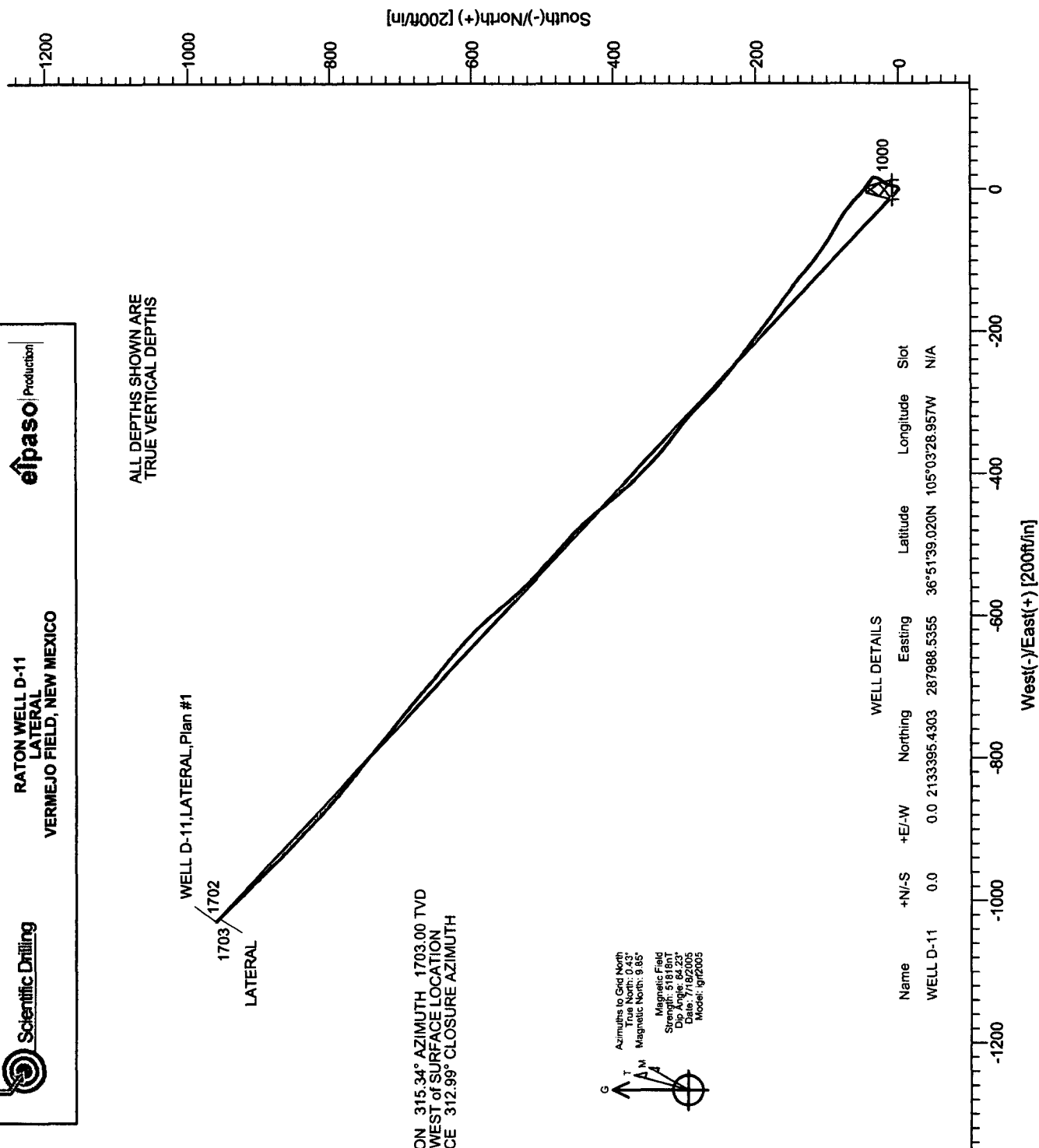
3074.00' MD 91.88° INCLINATION 315.34° AZIMUTH 1703.00 TVD
957.20' NORTH 1026.70' WEST of SURFACE LOCATION
1403.70' CLOSURE DISTANCE 312.99° CLOSURE AZIMUTH



WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
WELL D-11	0.0	0.0	2133395.4303	287988.5355	36°51'39.020N	105°03'28.957W	N/A

August 1, 2005
Scientific Drilling
281.443.4600





EL PASO PRODUCTION

RATON WELL D-11
LATERAL
VERMEJO FIELD, NEW MEXICO



ALL DEPTHS SHOWN ARE
MEASURED DEPTHS

3074.00' MD 91.88° INCLINATION 315.34° AZIMUTH 1703.00' TVD
957.20' NORTH 1026.70' WEST of SURFACE LOCATION
1403.70' CLOSURE DISTANCE 312.99° CLOSURE AZIMUTH

