

Office

Energy, Minerals and Natural Resources

May 27, 2004

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

RECEIVED

OIL CONSERVATION DIVISION

OCT 14 2004 South St. Francis Dr.

Santa Fe, NM 87505

OIL CONSERVATION
DIVISION

WELL API NO.

30-007-20278

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 68

9. OGRID Number 180514

10. Pool name or Wildcat

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 P : 1021 feet from the South line and 1119 feet from the East line

Section 2 Township 30N Range 17E NMPM Colfax County

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

8357' (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.

- 09/23/04 MIRU Key - Rig 5. LD rods, tubing, and pump. Set RBP at 1690'.
Run, orientate and set whipstock from 1640' to 1646'. Tool face (azimuth) set at 316°.
Begin milling window at 1640' Bottom of window at 1646'.
- 09/25/04 - Cut window in casing from 1640' - 1646'. Drilled a curve and horizontal lateral to 3384' TMD.
- 10/01/04 (See attached directional surveys.) Clean out hole. TOOH
- 10/02/04 RIH with 3 1/2" perforated liner from 1677' to 3333'. TOH with tools and whipstock. LDDP.
- 10/04/04 Clean out to RBP at 1690'. TIH with 2 7/8" production string and cleaned to PBTD at 2006'
- 10/05/04 Run 73 3/4" rods and 1 3/4" insert pump. RDMO 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 10/11/04
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 10/15/04

Conditions of Approval (if any):

Scientific Drilling Houston

Final Survey Report

Company: EL PASO PRODUCTION	Date: 10/12/2004	Time: 11:01:21	Page: 1
Field: NEW MEXICO/COLORADO	Co-ordinate(NE) Reference:	Well: WELL D-68, Grid North	
Site: RATON (D68)	Vertical (TVD) Reference:	GROND LEVEL: 8357.0	
Well: WELL D-68	Section (VS) Reference:	Well (0.00N,0.00E,316.85Azi)	
Wellpath: LATERAL	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Field: NEW MEXICO/COLORADO

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

Map Zone: Colorado, Southern Zone
Coordinate System: Well Centre
Geomagnetic Model: Wmm_2000

Site: RATON (D68)

Site Position:	Northing:	ft	Latitude:
From: Lease Line	Easting:	ft	Longitude:
Position Uncertainty:	0.0 ft		North Reference:
Ground Level:	0.0 ft		Grid Convergence:
			Grid
			-0.46 deg

Well: WELL D-68

Slot Name:

Well Position:	+N/-S	0.0 ft	Northing:	2132900.4508 ft	Latitude:	42	21	22.814 N
	+E/-W	0.0 ft	Easting:	275247.2059 ft	Longitude:	111	51	56.957 W
Position Uncertainty:		0.0 ft						

Wellpath: LATERAL

Drilled From: Surface

Current Datum:	GROND LEVEL	Height	8357.0 ft	Tie-on Depth:	0.0 ft
Magnetic Data:	9/8/2004			Above System Datum:	Mean Sea Level
Field Strength:	52027 nT			Declination:	9.66 deg
Vertical Section:	Depth From (TVD)	+N/-S	ft	Mag Dip Angle:	64.29 deg
	ft	ft		+E/-W	Direction
				ft	deg
	0.0	0.0		0.0	316.85

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	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00	TIE LINE
150.0	0.79	353.77	150.0	1.0	-0.1	0.8	0.53	1.0	353.77	SDI GYRO
250.0	1.95	8.00	250.0	3.4	0.0	2.4	1.20	3.4	0.84	SDI GYRO
350.0	2.41	15.90	349.9	7.1	0.9	4.6	0.55	7.2	6.92	SDI GYRO
450.0	2.80	20.83	449.8	11.4	2.3	6.7	0.45	11.6	11.43	SDI GYRO
550.0	2.60	14.06	549.7	15.9	3.7	9.0	0.38	16.3	13.20	SDI GYRO
650.0	2.69	25.23	649.6	20.2	5.3	11.1	0.52	20.9	14.63	SDI GYRO
750.0	2.54	23.26	749.5	24.4	7.2	12.9	0.17	25.4	16.36	SDI GYRO
850.0	2.53	34.15	849.4	28.2	9.3	14.3	0.48	29.7	18.17	SDI GYRO
950.0	2.75	38.64	949.3	31.9	12.0	15.1	0.30	34.1	20.60	SDI GYRO
1050.0	2.95	50.53	1049.1	35.4	15.5	15.3	0.62	38.7	23.60	SDI GYRO
1150.0	3.33	52.86	1149.0	38.8	19.8	14.8	0.40	43.6	27.00	SDI GYRO
1250.0	3.46	48.69	1248.8	42.6	24.4	14.4	0.28	49.1	29.79	SDI GYRO
1350.0	3.59	54.95	1348.6	46.4	29.2	13.9	0.41	54.8	32.20	SDI GYRO
1450.0	3.52	58.97	1448.4	49.8	34.4	12.8	0.26	60.5	34.66	SDI GYRO
1550.0	3.54	70.40	1548.2	52.4	39.9	10.9	0.70	65.9	37.33	SDI GYRO
1551.0	3.05	62.98	1549.2	52.4	40.0	10.9	64.86	65.9	37.35	SDI GYRO
1653.0	3.50	61.00	1651.1	55.1	45.1	9.4	0.45	71.2	39.30	SDI E-FIELD
1676.0	10.08	309.08	1674.0	56.7	44.2	11.2	51.46	71.9	37.90	SDI E-FIELD
1708.0	22.77	304.24	1704.6	62.0	36.9	20.0	39.85	72.1	30.72	SDI E-FIELD
1740.0	34.11	311.42	1732.7	71.5	25.0	35.1	36.96	75.7	19.25	SDI E-FIELD
1772.0	45.10	317.30	1757.3	85.8	10.5	55.4	36.25	86.4	6.98	SDI E-FIELD
1802.0	57.33	319.60	1776.1	103.3	-5.0	78.7	41.20	103.4	357.26	SDI E-FIELD
1836.0	69.32	320.95	1791.3	126.6	-24.3	109.0	35.44	128.9	349.13	SDI E-FIELD
1865.0	81.74	322.97	1798.5	148.7	-41.6	136.9	43.35	154.4	344.38	SDI E-FIELD
1893.0	93.03	326.29	1799.8	171.5	-57.7	164.6	42.02	180.9	341.39	SDI E-FIELD
1924.0	95.56	322.71	1797.5	196.6	-75.7	195.2	14.11	210.7	338.95	SDI E-FIELD
1955.0	92.46	320.16	1795.3	220.8	-95.0	226.0	12.94	240.4	336.73	SDI E-FIELD

Scientific Drilling Houston

Final Survey Report

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Field:	NEW MEXICO/COLORADO	Co-ordinate(NE) Reference:	Well: WELL D-68, Grid North				
Site:	RATON (D68)	Vertical (TVD) Reference:	GROND LEVEL 8357.0				
Well:	WELL D-68	Section (VS) Reference:	Well (0.00N,0.00E,316.85Azi)				
Wellpath:	LATERAL	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
1987.0	91.78	318.76	1794.1	245.1	-115.7	258.0	4.86	271.1	334.72	SDI E-FIELD
2017.0	92.22	319.17	1793.1	267.7	-135.4	287.9	2.00	300.0	333.17	SDI E-FIELD
2049.0	92.08	319.63	1791.9	292.0	-156.2	319.9	1.50	331.2	331.85	SDI E-FIELD
2079.0	91.98	319.75	1790.8	314.9	-175.6	349.8	0.52	360.5	330.85	SDI E-FIELD
2110.0	89.88	319.71	1790.3	338.5	-195.7	380.8	6.78	391.0	329.97	SDI E-FIELD
2141.0	90.12	320.07	1790.3	362.2	-215.6	411.7	1.40	421.5	329.23	SDI E-FIELD
2172.0	92.46	319.89	1789.6	386.0	-235.6	442.7	7.57	452.2	328.60	SDI E-FIELD
2203.0	92.87	319.10	1788.2	409.5	-255.7	473.6	2.87	482.8	328.02	SDI E-FIELD
2235.0	90.61	319.03	1787.2	433.7	-276.6	505.6	7.07	514.4	327.47	SDI E-FIELD
2267.0	90.34	319.27	1787.0	457.9	-297.6	537.5	1.13	546.1	326.98	SDI E-FIELD
2298.0	90.13	319.01	1786.8	481.3	-317.8	568.5	1.08	576.8	326.56	SDI E-FIELD
2329.0	92.05	319.28	1786.2	504.7	-338.1	599.5	6.25	607.5	326.18	SDI E-FIELD
2360.0	94.51	319.45	1784.5	528.2	-358.3	630.4	7.95	638.3	325.85	SDI E-FIELD
2391.0	94.75	319.01	1782.0	551.6	-378.4	661.3	1.61	669.0	325.55	SDI E-FIELD
2422.0	93.77	318.85	1779.7	574.9	-398.8	692.2	3.20	699.7	325.26	SDI E-FIELD
2454.0	91.99	318.49	1778.1	598.9	-419.9	724.1	5.67	731.4	324.97	SDI E-FIELD
2486.0	91.99	318.82	1776.9	622.9	-441.0	756.1	1.03	763.2	324.71	SDI E-FIELD
2517.0	92.29	318.58	1775.8	646.2	-461.4	787.0	1.24	794.1	324.47	SDI E-FIELD
2548.0	90.13	318.38	1775.1	669.4	-482.0	818.0	7.00	824.9	324.25	SDI E-FIELD
2579.0	90.29	318.84	1775.0	692.7	-502.5	849.0	1.57	855.7	324.04	SDI E-FIELD
2611.0	90.70	318.40	1774.7	716.7	-523.6	881.0	1.88	887.6	323.85	SDI E-FIELD
2642.0	90.61	318.77	1774.4	739.9	-544.1	912.0	1.23	918.5	323.67	SDI E-FIELD
2654.0	91.28	317.09	1774.2	748.8	-552.2	924.0	15.07	930.4	323.60	SDI E-FIELD
2684.0	92.05	317.23	1773.3	770.8	-572.6	954.0	2.61	960.2	323.40	SDI E-FIELD
2714.0	92.58	317.17	1772.1	792.8	-592.9	983.9	1.78	990.0	323.21	SDI E-FIELD
2744.0	92.96	316.88	1770.7	814.8	-613.4	1013.9	1.59	1019.8	323.03	SDI E-FIELD
2774.0	91.72	316.75	1769.4	836.6	-633.9	1043.9	4.16	1049.6	322.85	SDI E-FIELD
2804.0	92.05	317.08	1768.4	858.5	-654.3	1073.9	1.56	1079.4	322.69	SDI E-FIELD
2834.0	92.96	317.05	1767.1	880.4	-674.8	1103.8	3.03	1109.3	322.53	SDI E-FIELD
2865.0	93.23	316.70	1765.5	903.0	-695.9	1134.8	1.42	1140.1	322.38	SDI E-FIELD
2894.0	92.70	316.64	1764.0	924.1	-715.8	1163.7	1.84	1168.9	322.24	SDI E-FIELD
2923.0	93.34	317.17	1762.4	945.3	-735.6	1192.7	2.86	1197.7	322.11	SDI E-FIELD
2952.0	92.22	316.73	1761.0	966.4	-755.4	1221.7	4.15	1226.6	321.99	SDI E-FIELD
2982.0	91.00	315.74	1760.2	988.1	-776.1	1251.6	5.24	1256.4	321.85	SDI E-FIELD
3011.0	90.94	315.41	1759.7	1008.8	-796.4	1280.6	1.16	1285.3	321.71	SDI E-FIELD
3041.0	92.87	315.50	1758.7	1030.2	-817.4	1310.6	6.44	1315.1	321.57	SDI E-FIELD
3071.0	92.83	316.44	1757.2	1051.7	-838.2	1340.6	3.13	1344.9	321.44	SDI E-FIELD
3099.0	90.82	315.90	1756.3	1071.9	-857.6	1368.6	7.43	1372.8	321.34	SDI E-FIELD
3129.0	90.94	316.29	1755.9	1093.5	-878.4	1398.5	1.36	1402.6	321.22	SDI E-FIELD
3160.0	90.84	316.28	1755.4	1115.9	-899.9	1429.5	0.32	1433.5	321.12	SDI E-FIELD
3191.0	91.11	316.73	1754.8	1138.4	-921.2	1460.5	1.69	1464.4	321.02	SDI E-FIELD
3222.0	91.66	315.97	1754.1	1160.8	-942.6	1491.5	3.03	1495.3	320.92	SDI E-FIELD
3253.0	91.28	316.51	1753.3	1183.2	-964.0	1522.5	2.13	1526.2	320.83	SDI E-FIELD
3284.0	91.92	316.25	1752.4	1205.6	-985.4	1553.5	2.23	1557.1	320.74	SDI E-FIELD
3315.0	93.26	316.36	1751.0	1228.0	-1006.8	1584.5	4.34	1588.0	320.65	SDI E-FIELD
3346.0	92.32	315.99	1749.5	1250.4	-1028.2	1615.4	3.26	1618.8	320.57	SDI E-FIELD
3384.0	92.00	315.00	1748.1	1277.4	-1054.8	1653.4	2.74	1656.7	320.45	SDI E-FIELD
3896.1	92.00	315.00	1730.2	1639.3	-1416.7	2164.9	0.00	2166.6	319.17	PROJECTED to TD



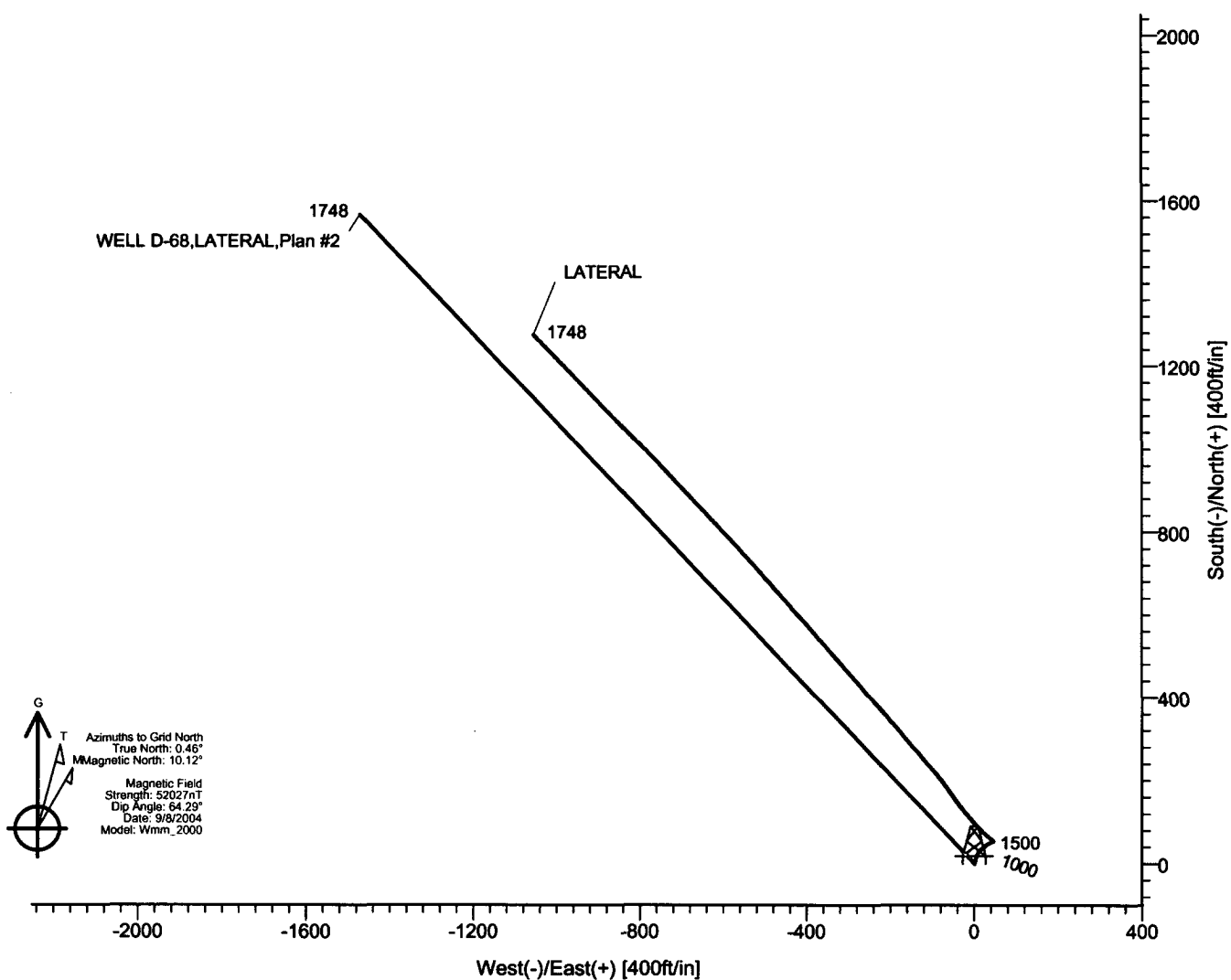
EL PASO PRODUCTION

RATON WELL D-68
LATERAL
NEW MEXICO



ALL DEPTHS SHOWN ARE
TRUE VERTICAL DEPTHS

3896.10' MD 92.00° INCLINATION 315.00° AZIMUTH 1730.20' TVD
1639.30 NORTH 1416.70' WEST of SURFACE LOCATION
2166.60' CLOSURE DISTANCE 319.17° CLOSURE AZIMUTH



WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
WELL D-68	0.0	0.0	2132900.4508	275247.2059	42°21'22.814N	111°51'56.957W	N/A

October 12, 2004
Scientific Drilling
281.443.4600



EL PASO PRODUCTION



RATON WELL D-68
LATERAL
NEW MEXICO

ALL DEPTHS SHOWN ARE
MEASURED DEPTHS

3896.10' MD 92.00° INCLINATION 315.00° AZIMUTH 1730.20' TVD
1639.30 NORTH 1416.70' WEST of SURFACE LOCATION
2166.60' CLOSURE DISTANCE 319.17° CLOSURE AZIMUTH

