

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. 30-007-20178
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 10
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 **P** : **1237** feet from the **South** line and **1212** feet from the **East** line

Section **6** Township **30N** Range **18E** NMPM **Colfax** County

Bottom Hole Location: **Unit J, Sec 6, T 30N, R 18E, 2590' FSL, 2590' FEL, Colfax County**

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

8,451' (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.

07/09/05 MIRU Key Rig. LD rods, tubing, and pump.

Set whipstock at 1,560', 314° azimuth. Start milling window from 1,560' to 1,566'.

07/14/05 MIRU CAZA Rig. Drill 4 3/4" horizontal lateral to 3,015' TMD, 1,666' TVD.

To 07/22/05 (See attachment for surveys.)

07/23/05 Circulate and clean hole. Run 3 1/2" perforated liner. Top of liner at 1,593' to 3,015'.

07/28/05 POOH with whip stock. LDDP.

Clean out with Air Unit. Clean to PBTD at 2,090'.

07/30/05 TIH with 2 7/8" production tubing, insert pump and 3/4" rods.

08/03/05 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 08/08/05
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: 7/28/2005 Time: 08:11:12 Page: 1
Field: VERMEJO FIELD, NEW MEXICO Co-ordinate(NE) Reference: Well: WELL D-10, Grid North
Site: RATON (D10) Vertical (TVD) Reference: SITE 8451.0
Well: WELL D-10 Section (VS) Reference: Well (0.00N,0.00E,314.48Azi)
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 (D10)

Site Position: Northing: 2133033.8088 ft Latitude: 36 51 35.272 N
From: Map Easting: 285704.4622 ft Longitude: 105 3 57.028 W
Position Uncertainty: 0.0 ft North Reference: Grid
Ground Level: 8451.0 ft Grid Convergence: -0.44 deg

Well: WELL D-10

Slot Name:

Well Position: +N/-S 0.0 ft Northing: 2133033.8088 ft Latitude: 36 51 35.272 N
+E/-W 0.0 ft Easting: 285704.4622 ft Longitude: 105 3 57.028 W
Position Uncertainty: 0.0 ft

Wellpath: LATERAL

Drilled From: Surface
Tie-on Depth: 0.0 ft
Above System Datum: Mean Sea Level
Declination: 9.42 deg
Mag Dip Angle: 64.23 deg
+E/-W Direction deg

Current Datum: SITE Height 8451.0 ft
Magnetic Data: 7/7/2005
Field Strength: 51819 nT
Vertical Section: Depth From (TVD) +N/-S
ft ft

0.0 0.0 0.0 314.48

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
100.0	0.59	292.54	100.0	0.2	-0.5	0.5	0.59	0.5	292.54	SDI Keeper
200.0	0.60	284.73	200.0	0.5	-1.5	1.4	0.08	1.6	289.91	SDI Keeper
300.0	0.61	288.00	300.0	0.8	-2.5	2.3	0.04	2.6	288.48	SDI Keeper
400.0	0.42	348.99	400.0	1.3	-3.0	3.1	0.55	3.3	293.90	SDI Keeper
500.0	0.39	326.89	500.0	2.0	-3.3	3.8	0.16	3.9	301.13	SDI Keeper
600.0	0.37	360.00	600.0	2.6	-3.5	4.3	0.22	4.4	306.73	SDI Keeper
700.0	0.11	280.12	700.0	2.9	-3.6	4.6	0.37	4.6	309.39	SDI Keeper
800.0	0.15	323.33	800.0	3.1	-3.8	4.8	0.10	4.8	309.21	SDI Keeper
900.0	0.27	7.33	900.0	3.4	-3.8	5.1	0.19	5.1	311.82	SDI Keeper
1000.0	0.52	347.62	1000.0	4.1	-3.9	5.6	0.28	5.6	316.51	SDI Keeper
1100.0	0.57	1.77	1100.0	5.0	-4.0	6.3	0.14	6.4	321.79	SDI Keeper
1200.0	0.89	354.41	1200.0	6.3	-4.0	7.3	0.33	7.5	327.46	SDI Keeper
1300.0	1.41	357.11	1299.9	8.3	-4.2	8.8	0.52	9.3	333.41	SDI Keeper
1400.0	1.36	10.38	1399.9	10.7	-4.0	10.3	0.32	11.4	339.49	SDI Keeper
1500.0	1.61	14.61	1499.9	13.2	-3.4	11.7	0.27	13.7	345.45	SDI Keeper
1542.0	1.49	24.04	1541.9	14.3	-3.1	12.2	0.67	14.6	347.91	SDI Keeper
1591.0	8.78	314.48	1590.7	17.5	-5.5	16.2	17.09	18.3	342.63	SDI E-FIELD
1621.0	23.38	318.73	1619.4	23.6	-11.1	24.4	48.79	26.1	334.89	SDI E-FIELD
1651.0	35.45	305.97	1645.5	33.2	-22.1	39.0	45.13	39.9	326.40	SDI E-FIELD
1683.0	51.42	309.35	1668.7	46.7	-39.4	60.8	50.42	61.1	319.86	SDI E-FIELD
1714.0	66.60	311.46	1684.6	63.9	-59.5	87.2	49.31	87.3	317.03	SDI E-FIELD
1741.0	78.88	309.37	1692.6	80.6	-79.1	112.9	46.08	112.9	315.52	SDI E-FIELD
1770.0	90.37	312.39	1695.3	99.4	-100.9	141.7	40.95	141.7	314.58	SDI E-FIELD
1800.0	89.93	314.94	1695.2	120.2	-122.6	171.7	8.63	171.7	314.42	SDI E-FIELD
1832.0	88.96	311.57	1695.5	142.1	-145.9	203.7	10.96	203.7	314.24	SDI E-FIELD
1861.0	89.70	310.84	1695.9	161.2	-167.7	232.6	3.58	232.6	313.86	SDI E-FIELD
1891.0	91.78	310.97	1695.5	180.8	-190.4	262.5	6.95	262.6	313.52	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report



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Field: VERMEJO FIELD, NEW MEXICO
Site: RATON (D10)
Well: WELL D-10
Wellpath: LATERAL

Date: 7/28/2005 Time: 08:11:12 Page: 2
Co-ordinate(NE) Reference: Well: WELL D-10, Grid North
Vertical (TVD) Reference: SITE 8451.0
Section (VS) Reference: Well (0.00N,0.00E,314.48Azi)
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
1923.0	91.88	310.74	1694.5	201.7	-214.6	294.5	0.78	294.5	313.23	SDI E-FIELD
1954.0	93.13	310.71	1693.1	222.0	-238.1	325.4	4.03	325.5	312.99	SDI E-FIELD
1984.0	92.73	309.25	1691.6	241.2	-261.0	355.2	5.04	355.4	312.74	SDI E-FIELD
2015.0	92.29	308.41	1690.2	260.6	-285.2	386.1	3.06	386.3	312.43	SDI E-FIELD
2044.0	93.97	310.09	1688.6	278.9	-307.6	414.9	8.19	415.2	312.21	SDI E-FIELD
2074.0	94.51	310.70	1686.4	298.3	-330.4	444.7	2.71	445.1	312.08	SDI E-FIELD
2104.0	93.80	310.70	1684.2	317.8	-353.0	474.6	2.37	475.0	312.00	SDI E-FIELD
2134.0	92.15	312.88	1682.7	337.8	-375.4	504.5	9.11	505.0	311.98	SDI E-FIELD
2163.0	92.39	314.12	1681.5	357.7	-396.4	533.5	4.35	534.0	312.07	SDI E-FIELD
2193.0	92.62	317.50	1680.2	379.2	-417.3	563.4	11.28	563.9	312.27	SDI E-FIELD
2223.0	92.75	317.88	1678.8	401.4	-437.5	593.4	1.34	593.7	312.54	SDI E-FIELD
2253.0	93.16	318.44	1677.3	423.7	-457.4	623.3	2.31	623.5	312.81	SDI E-FIELD
2284.0	91.48	317.60	1676.0	446.7	-478.2	654.2	6.06	654.4	313.05	SDI E-FIELD
2316.0	91.11	316.29	1675.3	470.1	-500.0	686.1	4.25	686.3	313.24	SDI E-FIELD
2346.0	91.85	316.15	1674.5	491.8	-520.7	716.1	2.51	716.3	313.36	SDI E-FIELD
2376.0	92.62	315.04	1673.4	513.2	-541.7	746.1	4.50	746.2	313.45	SDI E-FIELD
2405.0	93.30	314.77	1671.9	533.6	-562.2	775.0	2.52	775.2	313.50	SDI E-FIELD
2435.0	94.64	315.64	1669.8	554.9	-583.3	805.0	5.32	805.1	313.57	SDI E-FIELD
2465.0	93.73	316.20	1667.6	576.4	-604.1	834.9	3.56	835.0	313.65	SDI E-FIELD
2492.0	92.66	315.35	1666.1	595.7	-622.9	861.8	5.06	861.9	313.72	SDI E-FIELD
2529.0	91.21	315.80	1664.8	622.1	-648.8	898.8	4.10	898.9	313.79	SDI E-FIELD
2560.0	89.66	315.89	1664.6	644.3	-670.4	929.8	5.01	929.8	313.86	SDI E-FIELD
2590.0	88.22	315.14	1665.2	665.7	-691.4	959.8	5.41	959.8	313.91	SDI E-FIELD
2621.0	88.99	314.52	1665.9	687.6	-713.4	990.8	3.19	990.8	313.94	SDI E-FIELD
2651.0	89.09	313.63	1666.4	708.4	-735.0	1020.8	2.98	1020.8	313.95	SDI E-FIELD
2681.0	89.83	313.28	1666.7	729.1	-756.7	1050.8	2.73	1050.8	313.93	SDI E-FIELD
2710.0	91.38	313.63	1666.4	749.0	-777.8	1079.8	5.48	1079.8	313.92	SDI E-FIELD
2739.0	91.78	313.78	1665.6	769.0	-798.7	1108.7	1.47	1108.8	313.91	SDI E-FIELD
2771.0	91.65	313.77	1664.6	791.2	-821.8	1140.7	0.41	1140.8	313.91	SDI E-FIELD
2803.0	91.98	312.76	1663.6	813.1	-845.1	1172.7	3.32	1172.8	313.89	SDI E-FIELD
2835.0	91.34	314.10	1662.7	835.1	-868.4	1204.7	4.64	1204.7	313.88	SDI E-FIELD
2864.0	90.27	317.26	1662.3	855.8	-888.6	1233.7	11.50	1233.7	313.92	SDI E-FIELD
2894.0	90.98	320.58	1662.0	878.4	-908.3	1263.6	11.32	1263.6	314.04	SDI E-FIELD
2926.0	89.93	324.39	1661.7	903.8	-927.8	1295.3	12.35	1295.3	314.25	SDI E-FIELD
2956.0	85.73	323.70	1662.8	928.1	-945.4	1324.8	14.19	1324.8	314.47	SDI E-FIELD
2986.0	86.50	324.36	1664.9	952.3	-963.0	1354.3	3.38	1354.3	314.68	SDI E-FIELD
3015.0	86.50	324.36	1666.6	975.8	-979.8	1382.8	0.00	1382.9	314.88	PROJECTED DEPTH



EL PASO PRODUCTION

RATON WELL D-10
LATERAL
VERMEJO FIELD, NEW MEXICO



ALL DEPTHS SHOWN ARE
TRUE VERTICAL DEPTHS

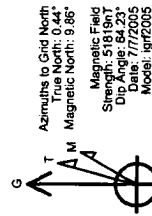
3015.00' MD 86.50° INCLINATION 324.36° AZIMUTH 1666.60' TVD
975.80' NORTH 979.80' WEST OF SURFACE LOCATION
1382.90' CLOSURE DISTANCE 314.88° CLOSURE AZIMUTH

WELL D-10, LATERAL, Plan #4

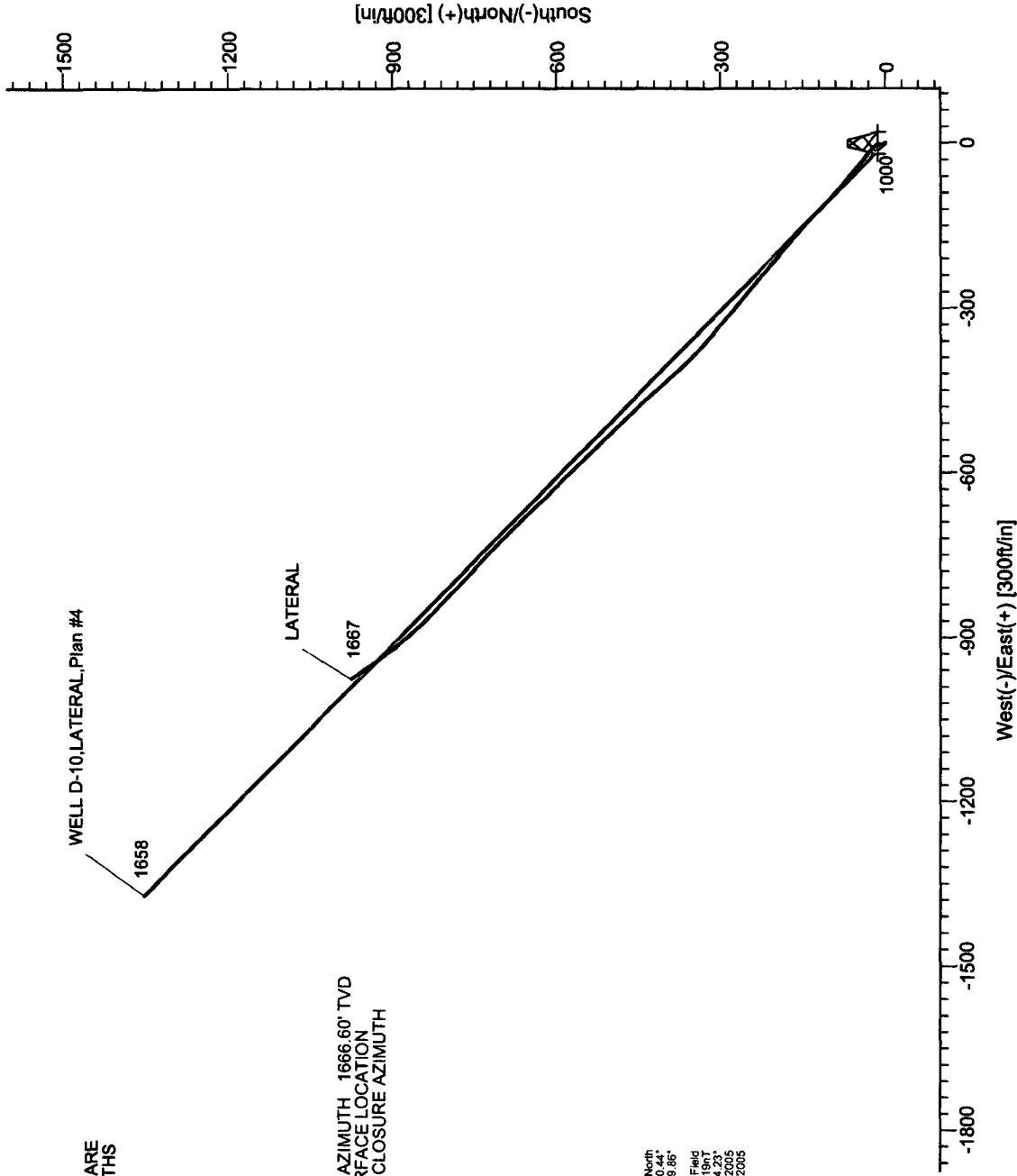
LATERAL

1658

1667



Azimuths to Grid North
True North: 0.44°
Magnetic North: 9.86°
Magnetic Field
Strength: 51819nT
Dip Angle: 84.23°
Date: 7/7/2005
Model: Igrf2005



WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
WELL D-10	0.0	0.0	2133033.8088	285704.4622	36°51'35.272N	105°03'57.028W	N/A

EL PASO PRODUCTION

RATON WELL D-10
LATERAL
VERMEJO FIELD, NEW MEXICO



ALL DEPTHS SHOWN ARE
MEASURED DEPTHS

3015.00' MD 86.50° INCLINATION 324.36° AZIMUTH 1666.60' TVD
975.80' NORTH 979.80' WEST OF SURFACE LOCATION
1382.90' CLOSURE DISTANCE 314.88° CLOSURE AZIMUTH

