

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
101 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
MAR 07 2005

WELL API NO. 30-007-20387
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS CONSERVATION (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO AN DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		7. Lease Name or Unit Agreement Name VPR D
1. Type of Well: Oil Well ☐ Gas Well ☒ Other COALBED METHANE	8. Well Number 99	
2. Name of Operator EL PASO ENERGY RATON, L.L.C.	9. OGRID Number 180514	
3. Address of Operator PO BOX 190, RATON, NM 87740	10. Pool name or Wildcat	
4. Well Location Unit Letter D : 135 feet from the North line and 147 feet from the West line Section 2 Township 30N Range 17E NMPM Colfax County		
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 8,323' (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.

01/16/05 MIRU Key Rig 715. LD rods, tubing, and pump.
01/18/05 Set whipstock at 87.14 azimuth. Start milling window from 1,480' to 1,486'.
01/22/05 MIRU CAZA Rig 232. Drill 4 3/4" horizontal lateral to 3,824' TMD, 1,649' TVD.
to (See attachment for surveys.)
02/04/05 Circulate and clean hole. Run 3 1/2" perforated liner to 3,765'. Top of liner at 1,498'.
02/08/05 POOH with whip stock. LDDP.
02/09/05 Clean out with Mercury Air Unit. Clean to PBTD at 1,846'.
02/10/05 TIH with 2 7/8" production tubing set at 1,708'. TIH with 1 3/4" insert pump and 3/4" rods.
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 02/28/05
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 3/14/05
Conditions of Approval (if any):



Scientific Drilling Houston

Final Survey Report



Company: EL PASO PRODUCTION Date: 2/7/2005 Time: 09:16:52 Page: 1
Field: VERMEJO FIELD, NEW MEXICO Co-ordinate(NE) Reference: Well: WELL D-99, Grid North
Site: RATON (D99) Vertical (TVD) Reference: SITE 0.0
Well: WELL D-99 Section (VS) Reference: Well (0.00N,0.00E,87.94Azi)
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: Wmm_2000

Site: RATON (D99)

Site Position: Northing: 2127912.1877 ft Latitude: 36 50 43.790 N
From: Map Easting: 274901.2103 ft Longitude: 105 6 9.450 W
Position Uncertainty: 0.0 ft North Reference: Grid
Ground Level: 8277.0 ft Grid Convergence: -0.46 deg

Well: WELL D-99

Slot Name:

Well Position: +N/-S 0.0 ft Northing: 2127912.1877 ft Latitude: 36 50 43.790 N
+E/-W 0.0 ft Easting: 274901.2103 ft Longitude: 105 6 9.450 W
Position Uncertainty: 0.0 ft

Wellpath: LATERAL

Drilled From: Surface
Tie-on Depth: 0.0 ft
Above System Datum: Mean Sea Level
Declination: 9.63 deg
Mag Dip Angle: 64.28 deg
Direction deg

Current Datum: SITE Height 0.0 ft
Magnetic Data: 12/30/2004
Field Strength: 51995 nT
Vertical Section: Depth From (TVD) +N/-S
ft ft
0.0 0.0

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	0.53	262.96	100.0	-0.1	-0.5	-0.5	0.53	0.5	262.96	GEO GYRO ORIENTATION
200.0	0.75	269.13	200.0	-0.1	-1.6	-1.6	0.23	1.6	265.52	GEO GYRO ORIENTATION
300.0	0.91	292.82	300.0	0.2	-3.0	-3.0	0.37	3.0	273.38	GEO GYRO ORIENTATION
400.0	0.64	298.31	400.0	0.7	-4.2	-4.2	0.28	4.2	280.13	GEO GYRO ORIENTATION
500.0	0.42	304.77	500.0	1.2	-5.0	-4.9	0.23	5.1	283.79	GEO GYRO ORIENTATION
600.0	0.40	324.96	600.0	1.7	-5.5	-5.4	0.15	5.7	287.40	GEO GYRO ORIENTATION
700.0	0.23	0.00	700.0	2.2	-5.7	-5.6	0.25	6.1	291.21	GEO GYRO ORIENTATION
800.0	0.22	6.39	800.0	2.6	-5.7	-5.6	0.03	6.2	294.64	GEO GYRO ORIENTATION
900.0	0.29	54.86	900.0	2.9	-5.4	-5.3	0.22	6.2	298.37	GEO GYRO ORIENTATION
1000.0	0.38	61.25	1000.0	3.2	-4.9	-4.8	0.10	5.9	303.28	GEO GYRO ORIENTATION
1100.0	0.31	93.13	1100.0	3.4	-4.4	-4.2	0.20	5.5	307.73	GEO GYRO ORIENTATION
1200.0	0.35	133.51	1200.0	3.2	-3.9	-3.8	0.23	5.0	309.14	GEO GYRO ORIENTATION
1300.0	0.41	126.71	1300.0	2.7	-3.4	-3.3	0.07	4.3	309.03	GEO GYRO ORIENTATION
1400.0	0.29	121.84	1400.0	2.4	-2.9	-2.8	0.12	3.7	309.74	GEO GYRO ORIENTATION
1462.0	0.55	86.44	1462.0	2.3	-2.4	-2.4	0.57	3.4	313.59	GEO GYRO ORIENTATION
1522.0	14.77	83.51	1521.3	3.2	5.5	5.6	23.70	6.4	59.71	SDI E-FIELD
1537.0	23.11	89.14	1535.4	3.5	10.3	10.5	56.86	10.9	71.47	SDI E-FIELD
1552.0	29.17	89.62	1548.9	3.5	16.9	17.1	40.42	17.3	78.22	SDI E-FIELD
1582.0	42.33	92.73	1573.2	3.1	34.4	34.5	44.27	34.6	84.85	SDI E-FIELD
1614.0	53.60	102.14	1594.6	-0.1	57.9	57.8	41.37	57.9	90.13	SDI E-FIELD
1646.0	66.28	108.27	1610.6	-7.5	84.5	84.2	42.93	84.8	95.05	SDI E-FIELD
1670.0	78.00	108.11	1618.0	-14.6	106.2	105.6	48.84	107.2	97.82	SDI E-FIELD
1675.0	79.04	105.03	1619.0	-16.0	110.9	110.2	63.85	112.0	98.20	SDI E-FIELD
1707.0	87.17	98.32	1622.8	-22.4	141.9	141.0	32.83	143.7	98.96	SDI E-FIELD
1738.0	85.29	96.00	1624.8	-26.2	172.6	171.6	9.62	174.6	98.64	SDI E-FIELD
1770.0	88.29	95.85	1626.6	-29.5	204.4	203.2	9.39	206.5	98.22	SDI E-FIELD
1801.0	92.09	94.65	1626.5	-32.4	235.3	234.0	12.85	237.5	97.84	SDI E-FIELD

Company: EL PASO PRODUCTION Field: VERMEJO FIELD, NEW MEXICO Site: RATON (D99) Well: WELL D-99 Wellpath: LATERAL	Date: 2/7/2005 Co-ordinate(NE) Reference: Well: WELL D-99, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,87.94Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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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
1833.0	92.09	89.48	1625.4	-33.5	267.2	265.8	16.15	269.3	97.15	SDI E-FIELD
1864.0	91.41	86.60	1624.4	-32.5	298.2	296.8	9.54	299.9	96.21	SDI E-FIELD
1896.0	89.50	87.96	1624.2	-31.0	330.1	328.8	7.33	331.6	95.36	SDI E-FIELD
1909.0	88.18	88.31	1624.4	-30.5	343.1	341.8	10.50	344.5	95.08	SDI E-FIELD
1928.0	87.64	88.87	1625.1	-30.1	362.1	360.8	4.09	363.4	94.75	SDI E-FIELD
1959.0	88.15	88.79	1626.3	-29.4	393.1	391.8	1.67	394.2	94.28	SDI E-FIELD
1975.0	88.08	89.16	1626.8	-29.1	409.1	407.8	2.35	410.1	94.07	SDI E-FIELD
1991.0	88.12	88.56	1627.3	-28.8	425.1	423.8	3.76	426.0	93.88	SDI E-FIELD
2021.0	86.64	87.93	1628.7	-27.9	455.0	453.7	5.36	455.9	93.51	SDI E-FIELD
2053.0	83.97	88.25	1631.3	-26.8	486.9	485.6	8.40	487.6	93.16	SDI E-FIELD
2073.0	86.17	88.96	1633.0	-26.4	506.8	505.5	11.55	507.5	92.98	SDI E-FIELD
2084.0	87.14	88.96	1633.7	-26.2	517.8	516.5	8.82	518.4	92.89	SDI E-FIELD
2115.0	86.17	89.51	1635.5	-25.7	548.7	547.4	3.60	549.3	92.69	SDI E-FIELD
2145.0	86.77	92.55	1637.3	-26.3	578.7	577.3	10.31	579.3	92.60	SDI E-FIELD
2176.0	89.70	94.63	1638.3	-28.2	609.6	608.2	11.59	610.2	92.65	SDI E-FIELD
2207.0	89.13	98.10	1638.6	-31.7	640.4	638.8	11.34	641.2	92.83	SDI E-FIELD
2239.0	87.01	98.22	1639.7	-36.2	672.0	670.3	6.64	673.0	93.08	SDI E-FIELD
2270.0	84.45	96.23	1642.0	-40.1	702.7	700.8	10.45	703.8	93.27	SDI E-FIELD
2302.0	87.81	95.01	1644.1	-43.2	734.5	732.4	11.17	735.7	93.37	SDI E-FIELD
2333.0	88.08	91.30	1645.3	-44.9	765.4	763.3	11.99	766.7	93.36	SDI E-FIELD
2364.0	87.07	88.32	1646.6	-44.8	796.4	794.2	10.14	797.6	93.22	SDI E-FIELD
2395.0	89.09	85.40	1647.6	-43.1	827.3	825.2	11.45	828.4	92.98	SDI E-FIELD
2427.0	89.36	81.75	1648.0	-39.5	859.1	857.1	11.44	860.0	92.64	SDI E-FIELD
2459.0	87.55	79.35	1648.9	-34.3	890.6	888.8	9.39	891.3	92.20	SDI E-FIELD
2490.0	89.63	79.37	1649.7	-28.6	921.1	919.5	6.71	921.5	91.78	SDI E-FIELD
2521.0	92.99	78.84	1649.0	-22.7	951.5	950.1	10.97	951.8	91.37	SDI E-FIELD
2552.0	94.47	80.25	1646.9	-17.1	981.9	980.7	6.59	982.1	91.00	SDI E-FIELD
2583.0	91.14	82.57	1645.4	-12.5	1012.6	1011.5	13.09	1012.6	90.71	SDI E-FIELD
2615.0	88.45	81.78	1645.5	-8.1	1044.3	1043.3	8.76	1044.3	90.45	SDI E-FIELD
2646.0	87.81	83.96	1646.5	-4.3	1075.0	1074.1	7.33	1075.0	90.23	SDI E-FIELD
2677.0	90.03	85.54	1647.1	-1.4	1105.9	1105.1	8.79	1105.9	90.07	SDI E-FIELD
2708.0	90.98	87.27	1646.9	0.5	1136.8	1136.1	6.37	1136.8	89.97	SDI E-FIELD
2738.0	92.45	85.27	1646.0	2.5	1166.7	1166.0	8.27	1166.7	89.88	SDI E-FIELD
2770.0	89.56	83.81	1645.4	5.5	1198.6	1198.0	10.12	1198.6	89.74	SDI E-FIELD
2801.0	90.67	82.80	1645.3	9.1	1229.3	1228.9	4.84	1229.4	89.58	SDI E-FIELD
2833.0	91.55	78.99	1644.7	14.2	1260.9	1260.6	12.22	1261.0	89.36	SDI E-FIELD
2864.0	91.21	75.05	1644.0	21.1	1291.1	1291.1	12.75	1291.3	89.06	SDI E-FIELD
2896.0	89.90	71.18	1643.7	30.4	1321.7	1322.0	12.77	1322.1	88.68	SDI E-FIELD
2927.0	88.39	74.68	1644.1	39.5	1351.4	1351.9	12.29	1351.9	88.32	SDI E-FIELD
2959.0	89.50	77.43	1644.7	47.2	1382.4	1383.2	9.27	1383.2	88.04	SDI E-FIELD
2990.0	89.46	79.66	1645.0	53.4	1412.8	1413.8	7.19	1413.8	87.84	SDI E-FIELD
3021.0	90.20	84.08	1645.1	57.8	1443.5	1444.6	14.46	1444.6	87.71	SDI E-FIELD
3051.0	90.64	86.94	1644.9	60.1	1473.4	1474.6	9.65	1474.6	87.66	SDI E-FIELD
3083.0	91.28	89.36	1644.3	61.2	1505.4	1506.6	7.82	1506.6	87.67	SDI E-FIELD
3114.0	91.01	91.34	1643.7	61.0	1536.3	1537.5	6.44	1537.6	87.73	SDI E-FIELD
3145.0	88.79	90.78	1643.8	60.4	1567.3	1568.5	7.39	1568.5	87.79	SDI E-FIELD
3177.0	86.84	92.61	1645.0	59.4	1599.3	1600.4	8.35	1600.4	87.87	SDI E-FIELD
3208.0	88.86	90.40	1646.1	58.6	1630.3	1631.3	9.65	1631.3	87.94	SDI E-FIELD
3240.0	90.13	87.84	1646.4	59.1	1662.3	1663.3	8.93	1663.3	87.96	SDI E-FIELD
3271.0	90.57	85.50	1646.2	60.9	1693.2	1694.3	7.68	1694.3	87.94	SDI E-FIELD
3303.0	88.79	88.71	1646.4	62.5	1725.2	1726.3	11.47	1726.3	87.92	SDI E-FIELD
3335.0	89.50	91.07	1646.9	62.6	1757.1	1758.3	7.70	1758.3	87.96	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report



Company: EL PASO PRODUCTION
Field: VERMEJO FIELD, NEW MEXICO
Site: RATON (D99)
Well: WELL D-99
Wellpath: LATERAL

Date: 2/7/2005
Co-ordinate(NE) Reference: Well: WELL D-99, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,87.94Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Page: 3

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
3366.0	90.10	94.10	1647.0	61.2	1788.1	1789.2	9.96	1789.2	88.04	SDI E-FIELD
3397.0	92.79	93.32	1646.2	59.2	1819.0	1820.0	9.03	1820.0	88.14	SDI E-FIELD
3428.0	89.87	92.72	1645.5	57.6	1850.0	1850.8	9.62	1850.9	88.22	SDI E-FIELD
3459.0	88.01	92.15	1646.1	56.3	1880.9	1881.7	6.28	1881.8	88.29	SDI E-FIELD
3490.0	87.41	90.63	1647.3	55.5	1911.9	1912.7	5.27	1912.7	88.34	SDI E-FIELD
3521.0	89.76	88.11	1648.1	55.8	1942.9	1943.6	11.11	1943.7	88.35	SDI E-FIELD
3552.0	87.68	86.40	1648.8	57.3	1973.8	1974.6	8.68	1974.7	88.34	SDI E-FIELD
3584.0	86.54	84.79	1650.4	59.8	2005.7	2006.6	6.16	2006.6	88.29	SDI E-FIELD
3615.0	88.25	83.52	1651.8	62.9	2036.5	2037.5	6.87	2037.5	88.23	SDI E-FIELD
3646.0	90.91	83.19	1652.0	66.5	2067.3	2068.4	8.65	2068.4	88.16	SDI E-FIELD
3677.0	91.01	84.28	1651.5	69.9	2098.1	2099.3	3.53	2099.3	88.09	SDI E-FIELD
3709.0	89.97	85.28	1651.2	72.8	2130.0	2131.2	4.51	2131.2	88.04	SDI E-FIELD
3741.0	90.67	85.40	1651.1	75.4	2161.9	2163.2	2.22	2163.2	88.00	SDI E-FIELD
3772.0	91.95	86.54	1650.3	77.6	2192.8	2194.2	5.53	2194.2	87.97	SDI E-FIELD
3824.0	91.95	86.54	1648.6	80.7	2244.7	2246.1	0.00	2246.1	87.94	SDI E-FIELD

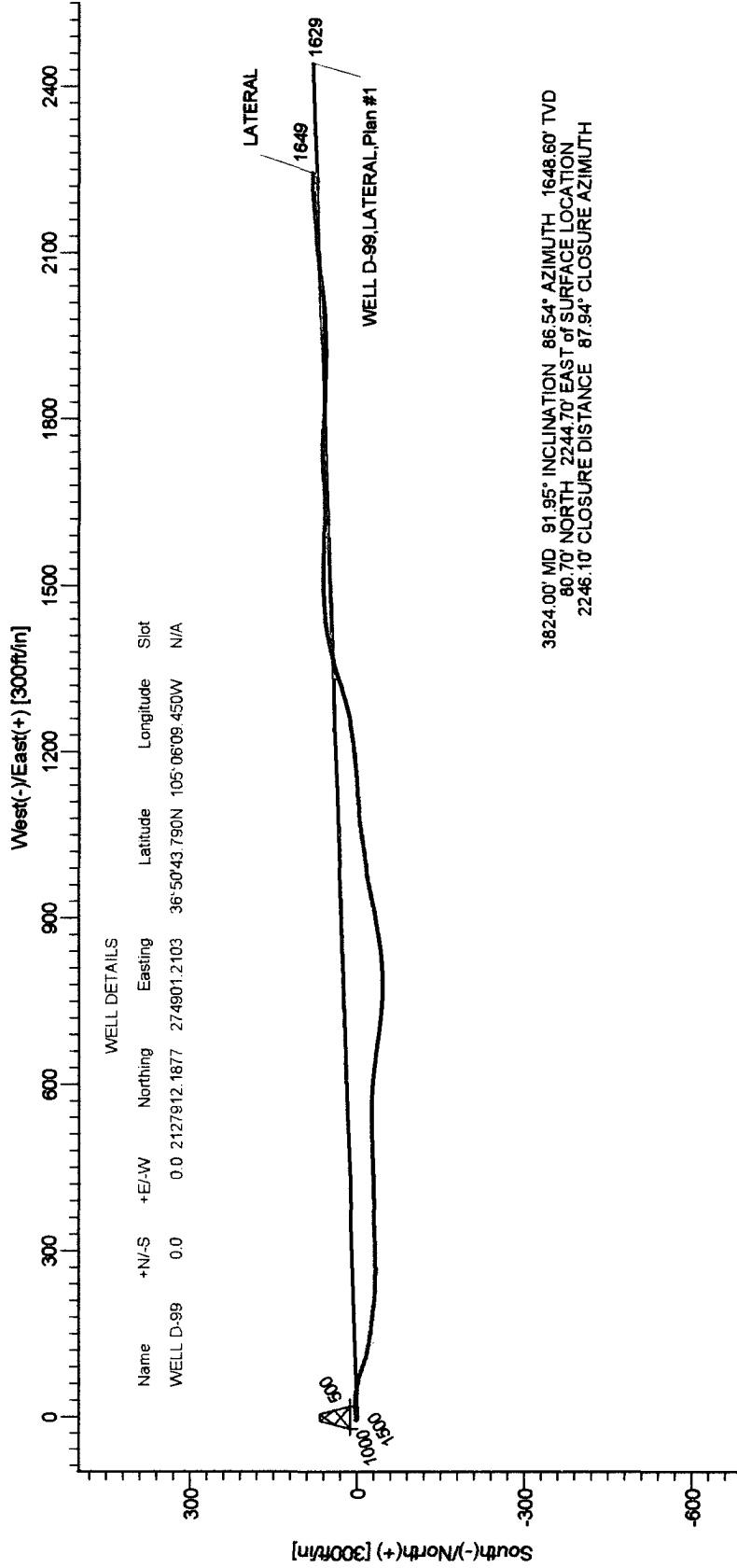


EL PASO PRODUCTION

RATON WELL D-99
LATERAL
VERMEJO FIELD, NEW MEXICO



ALL DEPTHS SHOWN ARE
TRUE VERTICAL DEPTHS



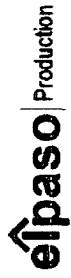
3824.00' MD 91.95° INCLINATION 86.54° AZIMUTH 1648.60' TVD
80.70' NORTH 2244.70' EAST of SURFACE LOCATION
2246.10' CLOSURE DISTANCE 87.94° CLOSURE AZIMUTH

Azimuth to Grid North
True North: 0.48°
Magnetic North: 10.09°
Magnetic Field
Strength: 51.065G
Dip Angle: 84.28°
Date: 12/30/2004
Model: Wmm_2000



EL PASO PRODUCTION

RATON WELL D-99
LATERAL
VERMEJO FIELD, NEW MEXICO



ALL DEPTHS SHOWN ARE
MEASURED DEPTHS

