

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.

9-007-20497

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

OIL CONSERVATION

VPR D

Well Number 150

9. OGRID Number 180514

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 METHAN

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 M : 710 feet from the South line and 497 feet from the West line

Section 24 Township 31N Range 17E NMPM Colfax County

Bottom Hole Location: Unit K, Sec 24, T 31N, R 17E, 2590' FSL, 2590' FWL, Colfax County

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

8,145' (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 Upper Vermejo ☒

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.

08/15/05 Set upper lateral whipstock at 42° azimuth. Start milling window from 812'- 818'.

Drill 4 3/4' horizontal lateral to 2,736' TMD, 933' TVD.

To 08/24/05 (See attachment for surveys.)

Circulate and clean hole. Run 3 1/2" perforated liner. Top of liner at 836'. Bottom of liner at 2,435'.

08/27/05 POOH with whip stock. LDDP.

Clean out with Air Unit. Clean to PBTD at 1,414'.

08/29/05 TIH with 2 7/8" production tubing, insert pump and 3/4" rods.

09/02/05 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 NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE William M. Ordemann TITLE Production Engineer DATE 09/16/05
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 9/17/05
Conditions of Approval (if any): _____



Scientific Drilling Houston

Final Survey Report



Company: EL PASO PRODUCTION	Date: 9/9/2005	Time: 09:45:17	Page: 1
Field: VERMEJO FIELD, NEW MEXICO	Co-ordinate(NE) Reference: Well: WELL D-150, Grid North		
Site: RATON (D150)	Vertical (TVD) Reference: SITE 0.0		
Well: WELL D-150	Section (VS) Reference: Well (0.00N,0.00E,48.00Azi)		
Wellpath: UPPER LATERAL	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: VERMEJO FIELD, NEW MEXICO			
Map System: US State Plane Coordinate System 1927		Map Zone: New Mexico, Eastern Zone	
Geo Datum: NAD27 (Clarke 1866)		Coordinate System: Well Centre	
Sys Datum: Mean Sea Level		Geomagnetic Model: igrf2005	

Site: RATON (D150)			
SECTION 24,T31N-R17E			
Site Position:	Northing: 2148414.82 ft	Latitude: 36 54 6.683 N	
From: Geographic	Easting: 276987.73 ft	Longitude: 105 5 45.796 W	
Position Uncertainty: 0.0 ft		North Reference: Grid	
Ground Level: 7197.0 ft		Grid Convergence: -0.46 deg	

Well: WELL D-150				Slot Name:			
Well Position: +N/-S 0.0 ft	Northing: 2148414.82 ft	Latitude: 36 54 6.683 N		Well Position: +E/-W 0.0 ft	Easting: 276987.73 ft	Longitude: 105 5 45.796 W	
Position Uncertainty: 0.0 ft							

Wellpath: UPPER LATERAL				Drilled From: Surface			
Current Datum: SITE				Tie-on Depth: 0.0 ft			
Magnetic Data: 8/1/2005				Above System Datum: Mean Sea Level			
Field Strength: 51833 nT				Declination: 9.43 deg			
Vertical Section: Depth From (TVD)				Mag Dip Angle: 64.26 deg			
				+E/-W Direction			
				deg			
0.0				0.0			
0.0				0.0			
0.0				48.00			

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	0.31	287.38	100.0	0.1	-0.3	-0.1	0.31	0.3	287.38	SDI GYRO
200.0	0.25	308.45	200.0	0.3	-0.7	-0.3	0.12	0.7	293.39	SDI GYRO
300.0	0.85	13.84	300.0	1.2	-0.7	0.3	0.78	1.3	329.45	SDI GYRO
400.0	2.24	15.21	400.0	3.8	0.0	2.5	1.39	3.8	0.15	SDI GYRO
500.0	2.53	17.54	499.9	7.7	1.2	6.1	0.31	7.8	8.71	SDI GYRO
600.0	2.35	18.62	599.8	11.8	2.5	9.8	0.19	12.1	12.00	SDI GYRO
700.0	2.24	14.79	699.7	15.6	3.7	13.2	0.19	16.1	13.18	SDI GYRO
800.0	1.84	14.41	799.6	19.1	4.6	16.2	0.40	19.6	13.44	SDI GYRO
826.0	7.14	48.00	825.5	20.6	5.9	18.1	21.92	21.4	15.92	SDI E-FIELD
856.0	21.73	49.52	854.5	25.4	11.5	25.6	48.65	27.9	24.33	SDI E-FIELD
887.0	34.88	48.64	881.8	35.1	22.6	40.2	42.44	41.7	32.77	SDI E-FIELD
919.0	46.30	39.92	906.0	50.0	36.9	60.9	39.78	62.2	36.42	SDI E-FIELD
949.0	56.82	44.53	924.7	67.4	52.7	84.3	37.06	85.6	38.05	SDI E-FIELD
981.0	70.08	46.01	938.9	87.4	73.0	112.8	41.64	113.9	39.87	SDI E-FIELD
1009.0	82.45	49.02	945.6	105.8	93.1	139.9	45.39	140.9	41.35	SDI E-FIELD
1038.0	87.11	52.27	948.2	124.1	115.4	168.8	19.56	169.4	42.92	SDI E-FIELD
1068.0	87.41	53.94	949.6	142.1	139.4	198.6	5.65	199.0	44.45	SDI E-FIELD
1098.0	87.38	50.72	951.0	160.4	163.1	228.5	10.72	228.7	45.48	SDI E-FIELD
1128.0	89.09	50.88	951.9	179.3	186.3	258.4	5.72	258.6	46.09	SDI E-FIELD
1157.0	88.96	53.56	952.4	197.1	209.2	287.4	9.25	287.4	46.71	SDI E-FIELD
1187.0	89.39	55.65	952.9	214.5	233.7	317.2	7.11	317.2	47.46	SDI E-FIELD
1217.0	90.67	55.17	952.8	231.5	258.4	346.9	4.56	346.9	48.14	SDI E-FIELD
1249.0	88.86	52.56	953.0	250.4	284.2	378.7	9.93	378.8	48.62	SDI E-FIELD
1280.0	85.66	49.20	954.5	269.9	308.2	409.7	14.96	409.7	48.79	SDI E-FIELD
1310.0	87.54	47.71	956.2	289.7	330.6	439.6	7.99	439.6	48.77	SDI E-FIELD
1340.0	90.17	49.00	956.8	309.7	353.1	469.6	9.76	469.6	48.74	SDI E-FIELD
1369.0	91.62	49.09	956.4	328.7	375.0	498.6	5.01	498.6	48.76	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report



Company: EL PASO PRODUCTION
Field: VERMEJO FIELD, NEW MEXICO
Site: RATON (D150)
Well: WELL D-150
Wellpath: UPPER LATERAL

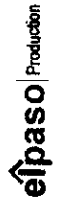
Date: 9/9/2005 Time: 09:45:17 Page: 2
Co-ordinate(NE) Reference: Well: WELL D-150, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,48.00Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

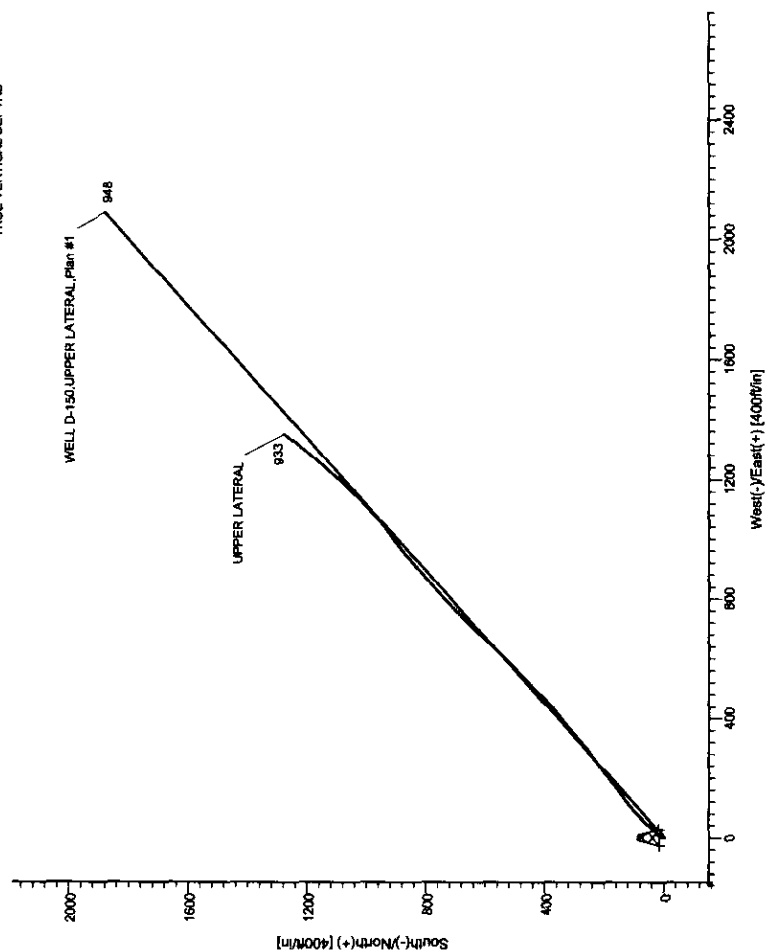
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA deg	Tool
1399.0	90.47	53.93	955.8	347.3	398.4	528.5	16.58	528.6	48.92	SDI E-FIELD
1429.0	91.48	50.87	955.3	365.6	422.2	558.4	10.74	558.5	49.11	SDI E-FIELD
1459.0	93.43	48.34	954.0	385.1	445.0	588.4	10.64	588.5	49.13	SDI E-FIELD
1490.0	91.82	45.95	952.6	406.1	467.7	619.3	9.29	619.4	49.03	SDI E-FIELD
1522.0	91.21	45.29	951.8	428.5	490.6	651.3	2.81	651.4	48.86	SDI E-FIELD
1553.0	91.85	46.00	950.9	450.2	512.7	682.3	3.08	682.3	48.72	SDI E-FIELD
1583.0	90.54	45.49	950.3	471.1	534.2	712.2	4.69	712.3	48.59	SDI E-FIELD
1614.0	90.67	45.99	950.0	492.7	556.4	743.2	1.67	743.2	48.47	SDI E-FIELD
1644.0	91.01	44.54	949.6	513.8	577.7	773.2	4.96	773.2	48.35	SDI E-FIELD
1674.0	89.33	43.66	949.5	535.4	598.6	803.1	6.32	803.1	48.19	SDI E-FIELD
1703.0	87.68	43.91	950.2	556.3	618.7	832.0	5.75	832.0	48.04	SDI E-FIELD
1735.0	87.03	43.77	951.7	579.4	640.8	863.9	2.08	863.9	47.88	SDI E-FIELD
1765.0	88.15	43.64	953.0	601.0	661.5	893.8	3.76	893.8	47.74	SDI E-FIELD
1795.0	89.26	43.80	953.6	622.7	682.2	923.7	3.74	923.7	47.61	SDI E-FIELD
1826.0	89.23	43.87	954.0	645.1	703.7	954.6	0.25	954.6	47.49	SDI E-FIELD
1856.0	91.55	44.61	953.8	666.6	724.6	984.5	8.12	984.6	47.39	SDI E-FIELD
1887.0	91.88	44.10	952.9	688.7	746.3	1015.4	1.96	1015.5	47.30	SDI E-FIELD
1917.0	92.79	44.87	951.7	710.1	767.3	1045.4	3.97	1045.5	47.22	SDI E-FIELD
1947.0	90.74	46.34	950.8	731.1	788.7	1075.3	8.41	1075.4	47.17	SDI E-FIELD
1979.0	91.01	47.57	950.3	752.9	812.1	1107.3	3.93	1107.4	47.17	SDI E-FIELD
2008.0	90.50	48.39	949.9	772.3	833.6	1136.3	3.33	1136.4	47.19	SDI E-FIELD
2038.0	90.74	48.92	949.6	792.1	856.2	1166.3	1.94	1166.4	47.22	SDI E-FIELD
2068.0	93.53	49.22	948.5	811.8	878.8	1196.3	9.35	1196.4	47.27	SDI E-FIELD
2097.0	94.28	49.06	946.5	830.7	900.7	1225.2	2.64	1225.3	47.31	SDI E-FIELD
2129.0	95.52	49.01	943.7	851.6	924.8	1257.1	3.88	1257.2	47.36	SDI E-FIELD
2158.0	94.78	49.54	941.1	870.5	946.7	1286.0	3.13	1286.0	47.40	SDI E-FIELD
2188.0	92.12	49.57	939.3	889.9	969.4	1315.9	8.87	1315.9	47.45	SDI E-FIELD
2219.0	88.76	53.20	939.1	909.2	993.7	1346.8	15.95	1346.9	47.54	SDI E-FIELD
2249.0	90.47	53.82	939.3	927.1	1017.8	1376.7	6.06	1376.7	47.67	SDI E-FIELD
2279.0	90.71	51.25	939.0	945.3	1041.6	1406.6	8.60	1406.6	47.77	SDI E-FIELD
2309.0	90.30	49.63	938.7	964.4	1064.7	1436.6	5.57	1436.6	47.83	SDI E-FIELD
2340.0	89.73	48.33	938.7	984.8	1088.1	1467.5	4.58	1467.6	47.85	SDI E-FIELD
2372.0	90.87	47.14	938.6	1006.3	1111.8	1499.5	5.15	1499.6	47.85	SDI E-FIELD
2402.0	89.63	45.69	938.4	1027.0	1133.5	1529.5	6.36	1529.5	47.82	SDI E-FIELD
2432.0	91.72	45.08	938.1	1048.0	1154.9	1559.5	7.26	1559.5	47.78	SDI E-FIELD
2463.0	92.05	43.04	937.0	1070.3	1176.4	1590.4	6.66	1590.4	47.70	SDI E-FIELD
2493.0	91.58	40.56	936.1	1092.6	1196.4	1620.2	8.41	1620.3	47.60	SDI E-FIELD
2523.0	88.15	39.85	936.2	1115.6	1215.8	1649.9	11.68	1650.0	47.46	SDI E-FIELD
2554.0	88.25	41.52	937.1	1139.0	1236.0	1680.7	5.39	1680.8	47.34	SDI E-FIELD
2585.0	92.02	40.78	937.1	1162.4	1256.4	1711.4	12.39	1711.6	47.22	SDI E-FIELD
2615.0	90.71	39.08	936.4	1185.4	1275.6	1741.1	7.15	1741.3	47.10	SDI E-FIELD
2645.0	91.04	38.26	935.9	1208.8	1294.3	1770.7	2.95	1771.0	46.96	SDI E-FIELD
2675.0	91.58	38.04	935.2	1232.4	1312.9	1800.3	1.94	1800.7	46.81	SDI E-FIELD
2704.0	91.75	37.92	934.4	1255.2	1330.7	1828.8	0.72	1829.3	46.67	SDI E-FIELD
2736.0	91.75	37.92	933.4	1280.5	1350.4	1860.3	0.00	1860.9	46.52	PROJECTED DEPTH



EL PASO PRODUCTION
 RATON WELL D-150
 UPPER LATERAL
 VERMILION FIELD, NEW MEXICO

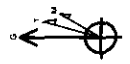


ALL DEPTHS SHOWN ARE
 TRUE VERTICAL DEPTHS



2738.00 MD 9.75° INCLINATION 37.92° AZIMUTH 933.40' TVD
 1280.00' MD 9.75° INCLINATION 37.92° AZIMUTH 933.40' TVD
 1880.00' CLOSURE DISTANCE 49.32' CLOSURE AZIMUTH

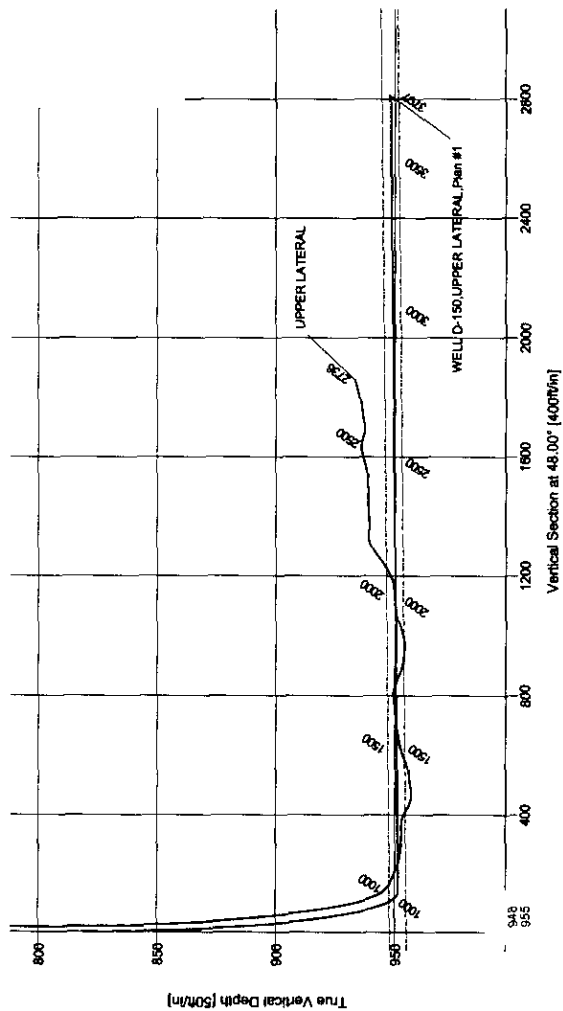
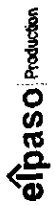
WELL DETAILS					
Name	+N/-S	-E/-W	Northing	Easting	Latitude
WELL D-150	0.0	0.0	2148414.92	276987.73	38°54'06.683N
					105°03'45.796W
					N/A



ASME 10.00 (Rev. 10/01)
 MAGNETIC FIELD
 MAGNETIC NORTH 3.89°
 TRUE NORTH 0.00°
 MAGNETIC DECLINATION 3.89°
 DATE 08/18/05
 DRAWN BY 07/05/05



EL PASO PRODUCTION
RATON WELL D-150
UPPER LATERAL
VERMILION FIELD, NEW MEXICO



2736.00' MD, 91.75° INCLINATION, 37.92° AZIMUTH, 933.40' TVD
150' MEASURED DEPTH, 150' MEASURED DEPTH
1860' 00" CLOSURE DISTANCE, 46.92° CLOSURE AZIMUTH