

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

RECEIVED
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
JUL 22 2005

WELL API NO. 30-007-20327	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name VPR A	
8. Well Number 71	
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** : **1018** feet from the **South** line and **761** feet from the **East** line
Section **10** Township **30N** Range **17E** NMPM **Colfax** County
Bottom Hole Location: Unit I, Sec 10, T 31N, R 19E, 1805' FSL, 1276.8' FEL, Colfax

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
8,314' (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.

06/12/05 MIRU Key Rig. LD rods, tubing, and pump. Made a scraper run.
Set whipstock at 1,000'. Start milling window from 970' - 985'.
06/22/05 MIRU CAZA Rig #232. Drill 4 3/4" horizontal lateral to 2,044' TMD, 1,156' TVD.
To 06/30/05 (See attachment for surveys.)
06/30/05 Circulate and clean hole. Run 3 1/2" perforated liner. Top of liner at 996'. Bottom of liner at 2,022'.
07/06/05 Retrieve whip stock. Clean out well bore with air unit to PBTD at 2,540'.
07/08/05 TIH with 2 7/8" production tubing, rods, and insert pump.
07/12/05 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 Mike Reisz TITLE Production Engineer DATE 07/18/05
Type or print name Mike Reisz E-mail address: mike.reisz@elpaso.com Telephone No. (505) 445-6725

For State Use Only

APPROVED BY: [Signature] TITLE DISTRICT SUPERVISOR DATE 7/25/05
Conditions of Approval (if any):



Scientific Drilling Houston

Final Survey Report



Company: EL PASO PRODUCTION Date: 7/13/2005 Time: 14:02:45 Page: 1
Field: VERMEJO FIELD, NEW MEXICO Co-ordinate(NE) Reference: Well: WELL A-71, Grid North
Site: RATON (A71) Vertical (TVD) Reference: SITE 0.0
Well: WELL A-71 Section (VS) Reference: Well (0.00N,0.00E,310.00Azi)
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 (A71)

SECTION 10, T31N - R19E

Site Position: Northing: 2158887.0523 ft Latitude: 36 55 54.152 N
From: Map Easting: 333782.2218 ft Longitude: 104 54 7.330 W
Position Uncertainty: 0.0 ft North Reference: Grid
Ground Level: 8314.0 ft Grid Convergence: -0.34 deg

Well: WELL A-71

Slot Name:

Well Position: +N/-S 0.0 ft Northing: 2158887.0523 ft Latitude: 36 55 54.152 N
+E/-W 0.0 ft Easting: 333782.2218 ft Longitude: 104 54 7.330 W
Position Uncertainty: 0.0 ft

Wellpath: LATERAL

Drilled From: Surface
Tie-on Depth: 0.0 ft
Above System Datum: Mean Sea Level
Declination: 9.36 deg
Mag Dip Angle: 64.32 deg
+E/-W Direction deg

Current Datum: SITE Height 0.0 ft
Magnetic Data: 6/13/2005
Field Strength: 51888 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	0.26	200.19	100.0	-0.2	-0.1	-0.1	0.26	0.2	200.19	SDI GYRO
200.0	0.99	217.82	200.0	-1.1	-0.7	-0.2	0.75	1.3	211.77	SDI GYRO
300.0	1.93	255.88	300.0	-2.2	-2.8	0.8	1.30	3.6	232.31	SDI GYRO
400.0	2.15	275.78	399.9	-2.4	-6.3	3.3	0.74	6.8	249.11	SDI GYRO
500.0	1.73	297.36	499.8	-1.5	-9.6	6.3	0.84	9.7	260.84	SDI GYRO
600.0	1.41	312.77	599.8	0.0	-11.8	9.0	0.53	11.8	269.94	SDI GYRO
700.0	0.49	310.25	699.8	1.1	-13.0	10.7	0.92	13.1	274.83	SDI GYRO
800.0	0.33	12.81	799.8	1.7	-13.3	11.2	0.45	13.4	277.11	SDI GYRO
900.0	0.34	4.12	899.8	2.2	-13.2	11.6	0.05	13.4	279.60	SDI GYRO
956.0	0.36	240.72	955.8	2.3	-13.3	11.7	1.10	13.5	279.83	SDI GYRO
977.0	3.10	261.89	976.8	2.2	-14.0	12.1	13.18	14.1	278.96	SDI E-FIELD
995.0	9.95	268.87	994.6	2.1	-16.0	13.6	38.24	16.1	277.48	SDI E-FIELD
1026.0	20.07	284.53	1024.6	3.4	-23.9	20.5	34.88	24.1	278.08	SDI E-FIELD
1042.0	27.42	284.69	1039.2	5.0	-30.1	26.3	45.94	30.5	279.46	SDI E-FIELD
1057.0	33.21	282.57	1052.1	6.8	-37.4	33.0	39.25	38.1	280.27	SDI E-FIELD
1089.0	45.38	286.84	1076.9	12.0	-57.0	51.4	38.94	58.2	281.90	SDI E-FIELD
1121.0	57.27	295.02	1096.8	21.0	-80.2	74.9	42.12	82.9	284.71	SDI E-FIELD
1153.0	70.52	298.67	1110.9	34.0	-105.7	102.9	42.64	111.1	287.84	SDI E-FIELD
1183.0	83.16	301.46	1117.7	48.7	-130.9	131.6	43.09	139.7	290.38	SDI E-FIELD
1215.0	88.39	307.20	1120.1	66.6	-157.3	163.3	24.23	170.8	292.96	SDI E-FIELD
1246.0	87.18	306.73	1121.3	85.3	-182.0	194.3	4.19	201.0	295.10	SDI E-FIELD
1277.0	86.77	307.82	1122.9	104.0	-206.7	225.2	3.75	231.4	296.72	SDI E-FIELD
1308.0	89.66	311.26	1123.9	123.7	-230.6	256.1	14.49	261.7	298.22	SDI E-FIELD
1339.0	88.69	316.33	1124.3	145.2	-252.9	287.1	16.65	291.6	299.86	SDI E-FIELD
1371.0	85.33	315.47	1126.0	168.1	-275.2	318.9	10.84	322.5	301.43	SDI E-FIELD
1403.0	85.53	317.49	1128.5	191.3	-297.1	350.5	6.32	353.4	302.77	SDI E-FIELD
1418.0	87.44	321.54	1129.5	202.6	-306.8	365.3	29.80	367.7	303.44	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report



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Field: VERMEJO FIELD, NEW MEXICO
Site: RATON (A71)
Well: WELL A-71
Wellpath: LATERAL

Date: 7/13/2005 Time: 14:02:45 Page: 2
Co-ordinate(NE) Reference: Well: WELL A-71, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,310.00Azi)
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
1435.0	87.88	324.57	1130.2	216.2	-317.0	381.9	18.00	383.8	304.29	SDI E-FIELD
1450.0	87.48	327.43	1130.8	228.6	-325.4	396.3	19.24	397.7	305.09	SDI E-FIELD
1466.0	86.94	329.30	1131.5	242.2	-333.8	411.4	12.15	412.4	305.97	SDI E-FIELD
1481.0	87.61	333.12	1132.3	255.4	-341.0	425.4	25.83	426.0	306.83	SDI E-FIELD
1498.0	86.13	334.50	1133.2	270.6	-348.5	440.9	11.89	441.2	307.83	SDI E-FIELD
1513.0	87.11	336.67	1134.1	284.2	-354.7	454.4	15.85	454.5	308.71	SDI E-FIELD
1530.0	88.82	339.78	1134.7	300.0	-361.0	469.4	20.87	469.4	309.73	SDI E-FIELD
1545.0	88.96	342.12	1135.0	314.2	-365.9	482.2	15.62	482.3	310.65	SDI E-FIELD
1561.0	88.99	344.59	1135.2	329.5	-370.5	495.6	15.44	495.8	311.65	SDI E-FIELD
1576.0	88.25	346.45	1135.6	344.0	-374.2	507.8	13.34	508.3	312.59	SDI E-FIELD
1593.0	86.77	348.50	1136.3	360.6	-377.9	521.3	14.86	522.4	313.66	SDI E-FIELD
1624.0	86.80	348.25	1138.1	390.9	-384.1	545.6	0.81	548.1	315.50	SDI E-FIELD
1656.0	85.16	348.77	1140.3	422.2	-390.5	570.5	5.38	575.1	317.23	SDI E-FIELD
1671.0	84.62	349.66	1141.7	436.9	-393.3	582.1	6.92	587.8	318.01	SDI E-FIELD
1687.0	84.92	349.11	1143.1	452.5	-396.2	594.4	3.90	601.5	318.80	SDI E-FIELD
1702.0	85.63	347.28	1144.4	467.2	-399.3	606.2	13.05	614.6	319.48	SDI E-FIELD
1719.0	85.93	346.31	1145.6	483.7	-403.2	619.7	5.96	629.7	320.19	SDI E-FIELD
1734.0	85.73	346.10	1146.7	498.2	-406.7	631.8	1.93	643.2	320.77	SDI E-FIELD
1751.0	85.76	345.70	1148.0	514.7	-410.9	645.6	2.35	658.5	321.40	SDI E-FIELD
1766.0	86.27	345.21	1149.0	529.1	-414.6	657.7	4.71	672.2	321.92	SDI E-FIELD
1782.0	86.03	344.99	1150.1	544.6	-418.7	670.8	2.03	686.9	322.44	SDI E-FIELD
1798.0	86.40	344.08	1151.1	560.0	-423.0	684.0	6.13	701.8	322.93	SDI E-FIELD
1813.0	87.58	342.72	1151.9	574.3	-427.3	696.5	11.99	715.8	323.35	SDI E-FIELD
1828.0	88.62	342.53	1152.4	588.6	-431.7	709.1	7.05	730.0	323.74	SDI E-FIELD
1844.0	87.14	342.29	1153.0	603.9	-436.6	722.6	9.37	745.1	324.13	SDI E-FIELD
1859.0	86.23	341.98	1153.9	618.1	-441.2	735.3	6.41	759.4	324.48	SDI E-FIELD
1875.0	86.54	340.55	1154.9	633.2	-446.3	748.9	9.13	774.7	324.82	SDI E-FIELD
1890.0	87.78	339.17	1155.6	647.3	-451.5	761.9	12.36	789.2	325.11	SDI E-FIELD
1906.0	88.59	337.79	1156.1	662.2	-457.3	776.0	10.00	804.7	325.37	SDI E-FIELD
1921.0	89.03	337.15	1156.5	676.0	-463.1	789.3	5.18	819.4	325.59	SDI E-FIELD
1937.0	89.93	335.75	1156.6	690.7	-469.5	803.6	10.40	835.1	325.80	SDI E-FIELD
1952.0	90.71	334.86	1156.5	704.3	-475.7	817.2	7.89	849.9	325.96	SDI E-FIELD
1969.0	90.77	335.36	1156.3	719.7	-482.9	832.5	2.96	866.7	326.14	SDI E-FIELD
1988.0	90.13	335.24	1156.1	737.0	-490.8	849.7	3.43	885.5	326.34	SDI E-FIELD
2001.0	90.17	333.91	1156.1	748.7	-496.4	861.5	10.24	898.3	326.46	SDI E-FIELD
2016.0	90.10	333.02	1156.1	762.2	-503.1	875.3	5.95	913.2	326.57	SDI E-FIELD
2044.0	90.10	333.02	1156.0	787.1	-515.8	901.1	0.00	941.1	326.76	PROJECTED DEPTH



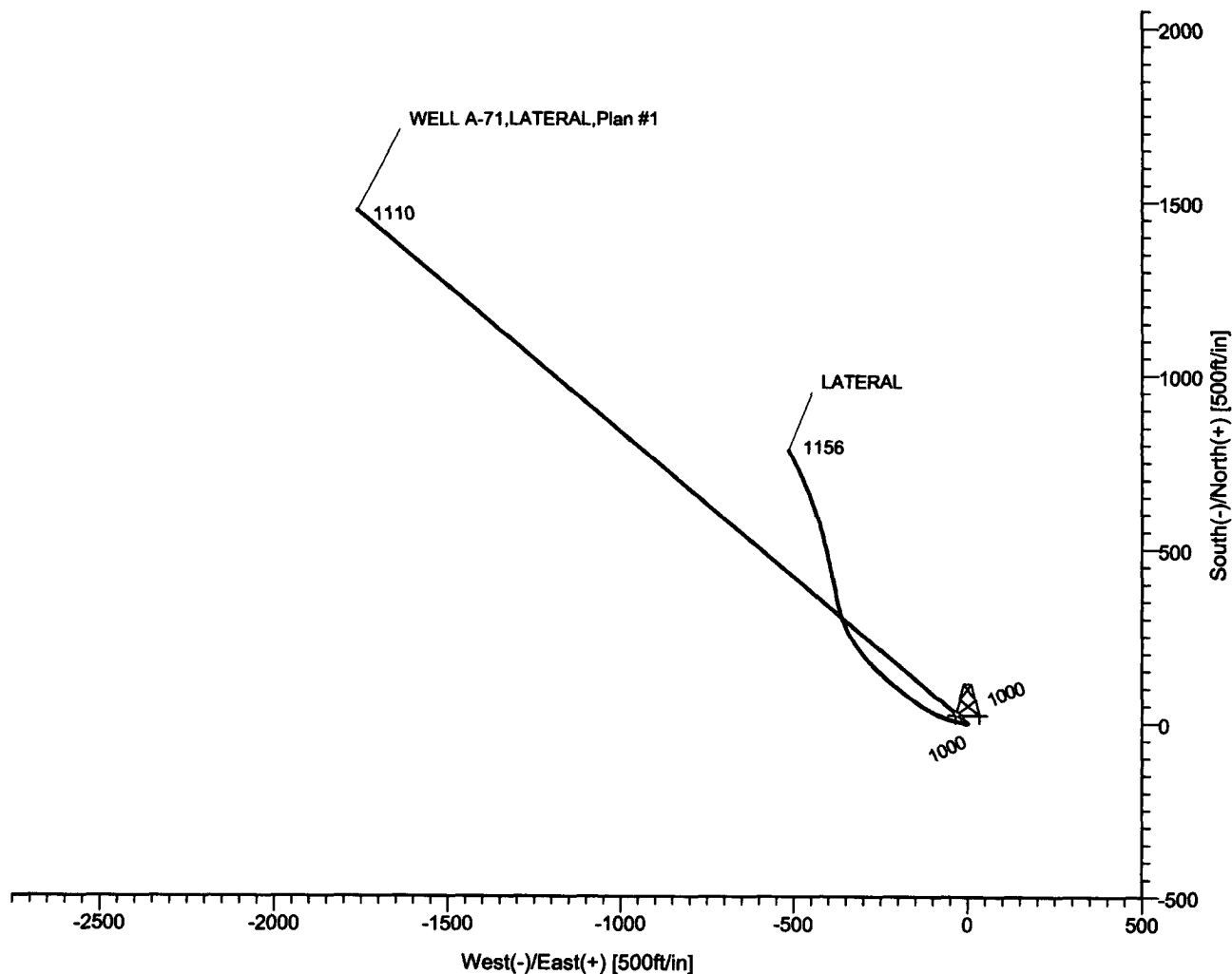
EL PASO PRODUCTION

RATON WELL A-71
LATERAL
VERMEJO FIELD, NEW MEXICO



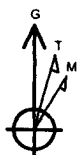
ALL DEPTHS SHOWN ARE
TRUE VERTICAL DEPTHS

2044.00' MD 90.10° INCLINATION 333.02° AZIMUTH 1156.00' TVD
787.10' NORTH 515.80' WEST of SURFACE LOCATION
941.10' CLOSURE DISTANCE 326.76° CLOSURE AZIMUTH



WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
WELL A-71	0.0	0.0	2158887.0523	333782.2218	36°55'54.152N	104°54'07.330W	N/A



Azimuths to Grid North
True North: 0.34°
Magnetic North: 9.70°
Magnetic Field
Strength: 5188nT
Dip Angle: 64.32°
Date: 6/13/2005
Model: Igr2005

July 13, 2005
Scientific Drilling
281.443.4600



RATON WELL A-71
LATERAL
VERMEJO FIELD, NEW MEXICO



EL PASO PRODUCTION

ALL DEPTHS SHOWN ARE
MEASURED DEPTHS

