

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
CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
OCT 14 2004

WELL API NO.

30-007-20231

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 64

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 O : 14 feet from the South line and 1981 feet from the East line
Section 30 Township 31N Range 18E NMPM Colfax County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
8652' (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.

09/04/04 MIRU Key - Rig 5. LD rods, tubing, and pump. Set RBP at 1570'.
09/09/04 Run, orientate and set whipstock from 1458' to 1464'. Tool face (azimuth) set at 346°.
- Begin milling window at 1464'. Bottom of window at 1464'
09/18/04 Cut window in casing at 1458' to 1464'. Drilled a curve and horizontal lateral to 2878' TMD. 1566' TVD.
(See attached directional surveys.) Clean out hole. TOOH
09/20/04 RIH with 3 1/2" perforated liner from 1488' to 2843'. TOH with tools and whipstock. LDDP.
09/22/04 Clean out well. Tag sand at 1958'. TIH with 2 7/8" production string and cleaned to PBTD at 2007'.
Run 75 3/4" rods and 1 1/2" insert pump. RDMO Put well back on line.

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: 10/8/2004	Time: 11:44:17	Page: 1
Field: NEW MEXICO/COLORADO	Co-ordinate(NE) Reference: Well: WELL D-64, Grid North		
Site: RATON (D64)	Vertical (TVD) Reference: GROUND LEVEL 8625.0		
Well: WELL D-64	Section (VS) Reference: Well (0.00N,0.00E,346.70Azi)		
Wellpath: LATERAL	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: NEW MEXICO/COLORADO		
Map System: US State Plane Coordinate System 1927	Map Zone: Colorado, Southern Zone	
Geo Datum: NAD27 (Clarke 1886)	Coordinate System: Well Centre	
Sys Datum: Mean Sea Level	Geomagnetic Model: Wmm_2000	

Site: RATON (D64)		
Site Position:	Northing: 2144179.6373 ft	Latitude: 42 31 23.991 N
From: Map	Easting: 1325059.3516 ft	Longitude: 107 59 43.784 W
Position Uncertainty: 0.0 ft		North Reference: Grid
Ground Level: 8625.0 ft		Grid Convergence: 1.69 deg

Well: WELL D-64	Slot Name:	
Well Position: +N/-S 0.0 ft	Northing: 2144179.6373 ft	Latitude: 42 31 23.991 N
+E/-W 0.0 ft	Easting: 1325059.3516 ft	Longitude: 107 59 43.784 W
Position Uncertainty: 0.0 ft		

Wellpath: LATERAL	Drilled From: Surface	
Current Datum: GROUND LEVEL	Tie-on Depth: 0.0 ft	
Magnetic Data: 9/3/2004	Above System Datum: Mean Sea Level	
Field Strength: 52040 nT	Declination: 9.62 deg	
Vertical Section: Depth From (TVD) ft	Mag Dip Angle: 64.31 deg	
	+E/-W ft	Direction deg
0.0	0.0	0.0
		346.70

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
200.0	2.30	56.99	199.9	2.2	3.4	1.4	1.15	4.0	56.99	SDI GYRO
300.0	2.32	29.17	299.9	5.0	6.0	3.5	1.11	7.9	50.09	SDI GYRO
400.0	2.42	31.94	399.8	8.6	8.1	6.5	0.15	11.8	43.40	SDI GYRO
500.0	2.37	29.98	499.7	12.2	10.3	9.5	0.10	16.0	40.17	SDI GYRO
600.0	2.14	27.43	599.6	15.6	12.2	12.4	0.25	19.8	37.92	SDI GYRO
700.0	1.85	35.05	699.6	18.6	14.0	14.9	0.39	23.3	36.88	SDI GYRO
800.0	1.74	26.33	799.5	21.3	15.6	17.1	0.29	26.4	36.17	SDI GYRO
900.0	1.50	35.82	899.5	23.7	17.0	19.2	0.36	29.2	35.64	SDI GYRO
1000.0	1.24	22.43	999.4	25.8	18.2	20.9	0.41	31.6	35.20	SDI GYRO
1100.0	1.20	27.66	1099.4	27.7	19.1	22.6	0.12	33.6	34.56	SDI GYRO
1200.0	1.18	31.21	1199.4	29.5	20.1	24.1	0.08	35.7	34.26	SDI GYRO
1300.0	1.22	45.85	1299.4	31.1	21.4	25.4	0.31	37.8	34.50	SDI GYRO
1398.0	1.29	42.28	1397.4	32.7	22.9	26.5	0.11	39.9	35.01	SDI GYRO
1456.0	1.29	42.00	1455.3	33.6	23.8	27.3	0.01	41.2	35.24	SDI E-FIELD
1495.0	11.43	340.00	1494.1	37.6	22.7	31.4	27.91	44.0	31.15	SDI E-FIELD
1525.0	20.98	320.01	1522.9	44.5	18.3	39.2	36.43	48.1	22.29	SDI E-FIELD
1554.0	31.99	318.81	1548.8	54.3	9.8	50.6	38.01	55.2	10.26	SDI E-FIELD
1584.0	42.37	324.40	1572.6	68.6	-1.3	67.0	36.36	68.6	358.90	SDI E-FIELD
1612.0	53.21	327.24	1591.4	85.7	-12.9	86.4	39.43	86.7	351.44	SDI E-FIELD
1641.0	64.98	329.01	1606.3	106.8	-26.0	110.0	40.92	110.0	346.32	SDI E-FIELD
1677.0	81.57	333.50	1616.6	137.0	-42.5	143.1	47.59	143.4	342.77	SDI E-FIELD
1708.0	91.34	335.34	1618.5	164.9	-55.8	173.3	32.07	174.0	341.30	SDI E-FIELD
1739.0	94.14	337.35	1617.1	193.2	-68.2	203.7	11.11	204.9	340.55	SDI E-FIELD
1769.0	94.89	337.87	1614.7	220.9	-79.6	233.3	3.04	234.8	340.17	SDI E-FIELD
1800.0	95.59	338.25	1611.9	249.5	-91.2	263.8	2.57	265.6	339.93	SDI E-FIELD
1832.0	96.31	338.11	1608.6	279.0	-103.0	295.3	2.29	297.4	339.74	SDI E-FIELD
1863.0	96.74	338.36	1605.0	307.6	-114.4	325.7	1.60	328.2	339.60	SDI E-FIELD

Scientific Drilling Houston

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 Section (VS) Reference: Well (0.00N,0.00E,346.70Azi)
 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
1894.0	97.18	338.20	1601.3	336.2	-125.8	356.2	1.51	359.0	339.49	SDI E-FIELD
1925.0	98.34	337.84	1597.1	364.7	-137.3	386.5	3.91	389.7	339.37	SDI E-FIELD
1956.0	98.67	338.21	1592.5	393.2	-148.8	416.8	1.59	420.4	339.27	SDI E-FIELD
1982.0	97.39	337.93	1588.9	417.0	-158.4	442.3	5.04	446.1	339.20	SDI E-FIELD
2012.0	97.15	338.39	1585.1	444.7	-169.5	471.7	1.72	475.8	339.14	SDI E-FIELD
2043.0	96.06	338.53	1581.5	473.3	-180.8	502.2	3.54	506.6	339.10	SDI E-FIELD
2073.0	94.58	338.61	1578.7	501.1	-191.7	531.8	4.94	536.5	339.07	SDI E-FIELD
2105.0	92.39	338.67	1576.8	530.8	-203.3	563.4	6.85	568.4	339.04	SDI E-FIELD
2136.0	91.81	338.47	1575.7	559.7	-214.6	594.0	1.98	599.4	339.02	SDI E-FIELD
2168.0	89.80	338.15	1575.2	589.4	-226.4	625.7	6.36	631.4	338.98	SDI E-FIELD
2199.0	89.19	338.18	1575.5	618.2	-238.0	656.4	1.97	662.4	338.95	SDI E-FIELD
2231.0	89.50	339.31	1575.8	648.0	-249.6	688.0	3.66	694.4	338.94	SDI E-FIELD
2262.0	91.95	340.28	1575.4	677.1	-260.3	718.8	8.50	725.4	338.97	SDI E-FIELD
2293.0	94.20	341.21	1573.8	706.3	-270.5	749.6	7.85	756.3	339.05	SDI E-FIELD
2325.0	95.92	342.05	1571.0	736.6	-280.5	781.4	5.98	788.2	339.15	SDI E-FIELD
2356.0	96.37	341.63	1567.6	765.9	-290.1	812.1	1.98	819.0	339.25	SDI E-FIELD
2387.0	95.49	341.99	1564.4	795.1	-299.8	842.8	3.06	849.8	339.34	SDI E-FIELD
2402.0	93.47	341.98	1563.3	809.4	-304.4	857.7	13.47	864.7	339.39	SDI E-FIELD
2418.0	92.05	341.96	1562.5	824.6	-309.3	873.6	8.88	880.7	339.44	SDI E-FIELD
2434.0	90.97	341.70	1562.1	839.8	-314.3	889.6	6.94	896.7	339.48	SDI E-FIELD
2449.0	90.81	341.96	1561.8	854.0	-319.0	904.5	2.04	911.6	339.52	SDI E-FIELD
2496.0	91.04	343.02	1561.1	898.8	-333.1	951.4	2.31	958.6	339.66	SDI E-FIELD
2527.0	88.70	343.00	1561.2	928.5	-342.2	982.3	7.55	989.5	339.77	SDI E-FIELD
2556.0	87.14	342.42	1562.2	956.1	-350.8	1011.2	5.74	1018.5	339.85	SDI E-FIELD
2588.0	87.08	342.64	1563.8	986.6	-360.4	1043.1	0.71	1050.4	339.93	SDI E-FIELD
2619.0	87.11	342.48	1565.4	1016.2	-369.7	1074.0	0.52	1081.3	340.01	SDI E-FIELD
2650.0	87.34	341.57	1566.9	1045.6	-379.2	1104.8	3.02	1112.3	340.06	SDI E-FIELD
2682.0	89.33	342.60	1567.8	1076.1	-389.1	1136.7	7.00	1144.2	340.12	SDI E-FIELD
2713.0	90.84	342.60	1567.8	1105.6	-398.4	1167.6	4.87	1175.2	340.19	SDI E-FIELD
2744.0	91.78	342.00	1567.1	1135.2	-407.8	1198.5	3.60	1206.2	340.24	SDI E-FIELD
2806.0	90.13	344.31	1566.0	1194.5	-425.7	1260.4	4.58	1268.1	340.38	SDI E-FIELD
2838.0	88.99	344.81	1566.3	1225.3	-434.3	1292.4	3.89	1300.0	340.49	SDI E-FIELD
2871.0	88.00	344.00	1567.1	1257.1	-443.1	1325.3	3.88	1332.9	340.58	SDI E-FIELD
2900.0	88.00	344.00	1568.2	1285.0	-451.1	1354.3	0.00	1361.8	340.66	SDI E-FIELD



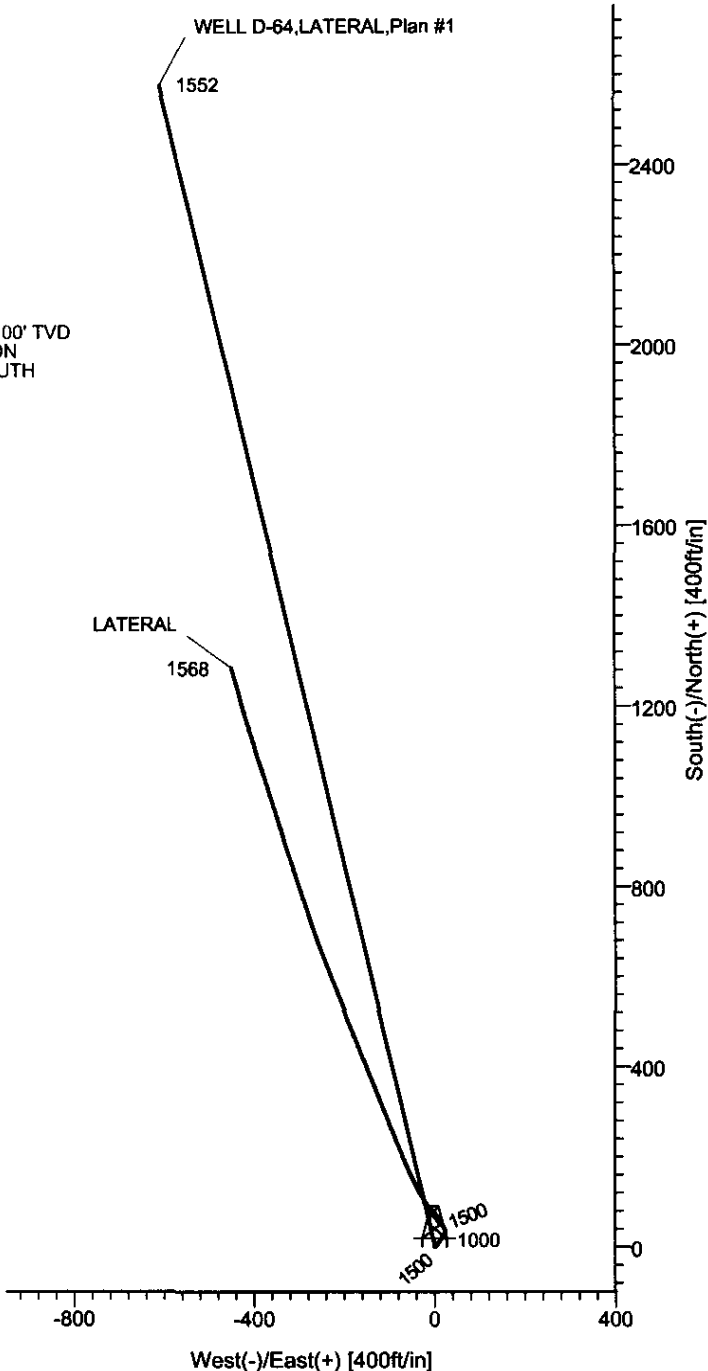
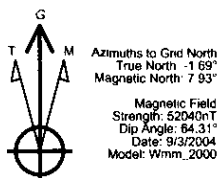
EL PASO PRODUCTION

RATON WELL D-64
LATERAL
NEW MEXICO



ALL DEPTHS SHOWN ARE
TRUE VERTICAL DEPTHS

4186.20' MD 88.00° INCLINATION 344.00° AZIMUTH 1613.00' TVD
2520.6' NORTH 805.40' WEST of SURFACE LOCATION
2646.10' CLOSURE DISTANCE 342.28° CLOSURE AZIMUTH



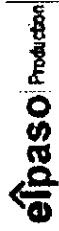
WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
WELL D-64	0.0	0.0	2144179.6373	1325059.3516	42°31'23.991N	107°59'43.784W	N/A

October 12, 2004
Scientific Drilling
281.443.4600

EL PASO PRODUCTION

RATON WELL D-64
LATERAL
NEW MEXICO



ALL DEPTHS SHOWN ARE
MEASURED DEPTHS

4186.20' MD 88.00° INCLINATION 344.00° AZIMUTH 1613.00' TVD
2520.60' NORTH 805.40' WEST of SURFACE LOCATION
2646.10' CLOSURE DISTANCE 342.28° CLOSURE AZIMUTH

