

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

OIL CONSERVATION DIVISION

WELL API NO.

30-007-20273

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 59

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 C : 713 feet from the North line and 1360 feet from the West line
Section 35 Township 31N Range 17E NMPM Colfax County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
8,278' (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.

01/27/05 MIRU Key - Rig 715. LD rods, tubing, and pump.
Set whipstock at 146.75° azimuth. Start milling window from 1,339' to 1,345'.
02/07/05 MIRU CAZA Rig #232. Drill 4 3/4" horizontal lateral to 2,962' TMD, 1,517.74' TVD.
To 02/11/05 (See attachment for surveys.)
02/12/05 Circulate and clean hole. Run 3 1/2" perforated liner to 2,930'. Top of liner at 1,377'.
02/16/05 POOH with whip stock. LDDP.
Clean out with Mercury Air Unit. Clean to PBTD at 1,653'.
02/18/05 TIH with 2 7/8" production tubing set at 1,544'. TIH with 1 1/4" 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: 2/17/2005 Time: 13:45:33 Page: 1
Field: VERMEJO FIELD, NEW MEXICO Co-ordinate(NE) Reference: Well: WELL D-59, Grid North
Site: RATON (D59) Vertical (TVD) Reference: SITE 0.0
Well: WELL D-59 Section (VS) Reference: Well (0.00N,0.00E,146.75Azi)
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 (D59)

Site Position: Northing: ft Latitude: ft
From: Lease Line Easting: ft Longitude: ft
Position Uncertainty: 0.0 ft North Reference: Grid
Ground Level: 8213.0 ft Grid Convergence: -0.47 deg

Well: WELL D-59

Slot Name:

Well Position: +N/-S 0.0 ft Northing: 2141727.0783 ft Latitude: 36 53 0.200 N
+E/-W 0.0 ft Easting: 272530.4359 ft Longitude: 105 6 40.000 W
Position Uncertainty: 0.0 ft

Wellpath: LATERAL

Current Datum: SITE Height 0.0 ft
Magnetic Data: 12/30/2004
Field Strength: 52016 nT
Vertical Section: Depth From (TVD) ft +N/-S ft
Drilled From: Surface 0.0 ft
Tie-on Depth: Mean Sea Level
Above System Datum: 9.64 deg
Declination: 64.31 deg
Mag Dip Angle: Direction deg
0.0 0.0 0.0 146.75

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	1.23	255.54	100.0	-0.3	-1.0	-0.3	1.23	1.1	255.54	GEO GYRO SURVEY
200.0	1.67	230.87	200.0	-1.5	-3.2	-0.5	0.75	3.5	245.60	GEO GYRO SURVEY
300.0	0.33	127.17	299.9	-2.5	-4.1	-0.1	1.78	4.8	238.19	GEO GYRO SURVEY
400.0	0.31	93.85	399.9	-2.7	-3.6	0.3	0.18	4.5	232.79	GEO GYRO SURVEY
500.0	0.27	108.47	499.9	-2.8	-3.1	0.7	0.08	4.2	227.72	GEO GYRO SURVEY
600.0	0.26	139.39	599.9	-3.1	-2.7	1.1	0.14	4.1	221.71	GEO GYRO SURVEY
700.0	0.52	162.61	699.9	-3.7	-2.5	1.7	0.30	4.4	213.74	GEO GYRO SURVEY
800.0	0.28	148.76	799.9	-4.3	-2.2	2.4	0.26	4.9	206.95	GEO GYRO SURVEY
900.0	0.35	145.61	899.9	-4.8	-1.9	3.0	0.07	5.2	201.65	GEO GYRO SURVEY
1000.0	0.30	117.42	999.9	-5.2	-1.5	3.5	0.17	5.4	196.16	GEO GYRO SURVEY
1100.0	0.12	80.75	1099.9	-5.3	-1.2	3.8	0.22	5.4	192.43	GEO GYRO SURVEY
1200.0	0.51	102.97	1199.9	-5.3	-0.6	4.1	0.40	5.4	186.65	GEO GYRO SURVEY
1300.0	0.49	109.41	1299.9	-5.6	0.2	4.8	0.06	5.6	177.81	GEO GYRO SURVEY
1367.0	12.68	130.24	1366.4	-10.5	6.1	12.1	18.24	12.1	149.66	SDI E-FIELD
1398.0	23.29	148.62	1395.8	-17.9	11.9	21.5	38.42	21.5	146.34	SDI E-FIELD
1429.0	35.02	162.00	1422.9	-31.7	17.9	36.3	43.08	36.4	150.53	SDI E-FIELD
1461.0	45.84	173.14	1447.2	-51.9	22.1	55.5	40.55	56.4	156.91	SDI E-FIELD
1492.0	58.24	164.50	1466.3	-75.7	27.0	78.1	45.58	80.4	160.38	SDI E-FIELD
1509.0	65.73	163.39	1474.3	-90.2	31.1	92.5	44.43	95.4	160.94	SDI E-FIELD
1524.0	71.16	161.97	1479.8	-103.5	35.3	105.9	37.25	109.3	161.16	SDI E-FIELD
1534.0	74.72	161.41	1482.7	-112.5	38.3	115.1	36.00	118.9	161.20	SDI E-FIELD
1551.0	83.22	163.87	1486.0	-128.4	43.3	131.1	51.97	135.5	161.38	SDI E-FIELD
1582.0	88.85	158.87	1488.1	-157.7	53.2	161.1	24.26	166.4	161.38	SDI E-FIELD
1613.0	88.28	155.22	1488.9	-186.3	65.2	191.5	11.91	197.4	160.70	SDI E-FIELD
1645.0	89.02	149.56	1489.6	-214.6	80.1	223.4	17.83	229.0	159.54	SDI E-FIELD
1677.0	89.60	144.72	1490.0	-241.5	97.4	255.3	15.23	260.4	158.03	SDI E-FIELD
1708.0	88.42	142.21	1490.6	-266.4	115.9	286.3	8.95	290.5	156.49	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report



Company: EL PASO PRODUCTION
Field: VERMEJO FIELD, NEW MEXICO
Site: RATON (D59)
Well: WELL D-59
Wellpath: LATERAL

Date: 2/17/2005
Co-ordinate(NE) Reference: Well: WELL D-59, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,146.75Azi)
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
1740.0	86.26	139.88	1492.0	-291.2	136.0	318.1	9.92	321.4	154.97	SDI E-FIELD
1771.0	87.17	136.99	1493.8	-314.4	156.5	348.7	9.76	351.2	153.54	SDI E-FIELD
1802.0	89.70	137.98	1494.7	-337.2	177.4	379.3	8.76	381.0	152.25	SDI E-FIELD
1834.0	89.33	140.82	1494.9	-361.5	198.3	411.0	8.95	412.3	151.26	SDI E-FIELD
1865.0	89.70	141.41	1495.2	-385.6	217.7	441.9	2.25	442.9	150.55	SDI E-FIELD
1897.0	89.70	140.21	1495.4	-410.4	237.9	473.7	3.75	474.4	149.90	SDI E-FIELD
1928.0	87.94	144.80	1496.0	-435.0	256.8	504.6	15.85	505.2	149.45	SDI E-FIELD
1960.0	89.12	144.38	1496.8	-461.1	275.3	536.6	3.91	537.0	149.16	SDI E-FIELD
1991.0	87.82	142.36	1497.7	-486.0	293.8	567.5	7.75	567.9	148.84	SDI E-FIELD
2023.0	89.90	140.22	1498.3	-510.9	313.8	599.3	9.32	599.6	148.44	SDI E-FIELD
2055.0	87.17	138.94	1499.1	-535.3	334.6	631.1	9.42	631.2	147.99	SDI E-FIELD
2086.0	87.20	142.35	1500.6	-559.2	354.2	661.9	10.99	661.9	147.65	SDI E-FIELD
2117.0	90.00	145.20	1501.4	-584.2	372.5	692.8	12.89	692.9	147.48	SDI E-FIELD
2149.0	90.27	149.04	1501.3	-611.1	389.9	724.8	12.03	724.9	147.46	SDI E-FIELD
2180.0	87.58	151.83	1501.9	-638.0	405.2	755.7	12.50	755.8	147.58	SDI E-FIELD
2211.0	87.07	149.25	1503.3	-665.0	420.4	786.6	8.47	786.7	147.70	SDI E-FIELD
2242.0	90.40	146.96	1504.0	-691.3	436.8	817.6	13.04	817.7	147.72	SDI E-FIELD
2273.0	91.48	142.67	1503.5	-716.6	454.6	848.6	14.27	848.7	147.61	SDI E-FIELD
2304.0	91.45	138.26	1502.7	-740.5	474.3	879.4	14.22	879.4	147.36	SDI E-FIELD
2336.0	90.40	135.47	1502.2	-763.9	496.2	910.9	9.31	910.9	146.99	SDI E-FIELD
2366.0	88.18	131.63	1502.6	-784.5	517.9	940.1	14.78	940.1	146.57	SDI E-FIELD
2397.0	87.01	135.13	1503.9	-805.8	540.5	970.2	11.89	970.3	146.15	SDI E-FIELD
2428.0	88.65	137.59	1505.1	-828.2	561.8	1000.7	9.53	1000.8	145.85	SDI E-FIELD
2460.0	88.11	142.22	1506.0	-852.7	582.4	1032.4	14.56	1032.6	145.66	SDI E-FIELD
2492.0	89.16	145.74	1506.7	-878.6	601.2	1064.4	11.48	1064.6	145.61	SDI E-FIELD
2523.0	90.94	149.02	1506.7	-904.7	617.9	1095.4	12.04	1095.6	145.66	SDI E-FIELD
2554.0	91.55	151.56	1506.0	-931.6	633.3	1126.3	8.42	1126.5	145.79	SDI E-FIELD
2585.0	89.33	147.99	1505.8	-958.4	648.9	1157.2	13.56	1157.4	145.90	SDI E-FIELD
2617.0	86.09	148.57	1507.1	-985.5	665.7	1189.2	10.29	1189.3	145.96	SDI E-FIELD
2648.0	87.88	150.89	1508.7	-1012.3	681.3	1220.1	9.44	1220.2	146.06	SDI E-FIELD
2679.0	90.77	151.59	1509.1	-1039.4	696.2	1251.0	9.59	1251.1	146.19	SDI E-FIELD
2710.0	89.73	151.07	1508.9	-1066.6	711.1	1281.9	3.75	1282.0	146.31	SDI E-FIELD
2742.0	87.14	149.77	1509.8	-1094.5	726.9	1313.8	9.06	1313.9	146.41	SDI E-FIELD
2774.0	86.02	147.41	1511.7	-1121.7	743.5	1345.8	8.15	1345.8	146.46	SDI E-FIELD
2805.0	86.60	145.77	1513.7	-1147.5	760.6	1376.7	5.60	1376.7	146.46	SDI E-FIELD
2837.0	88.92	143.96	1515.0	-1173.7	779.0	1408.6	9.19	1408.7	146.43	SDI E-FIELD
2868.0	89.29	140.68	1515.4	-1198.2	797.9	1439.5	10.65	1439.6	146.34	SDI E-FIELD
2900.0	89.36	139.70	1515.8	-1222.8	818.4	1471.3	3.07	1471.4	146.21	SDI E-FIELD
2931.0	87.84	142.81	1516.6	-1247.0	837.8	1502.2	11.16	1502.3	146.10	SDI E-FIELD
2962.0	87.84	142.81	1517.7	-1271.6	856.5	1533.1	0.00	1533.2	146.04	PROJECTED DEPTH



Scientific Drilling

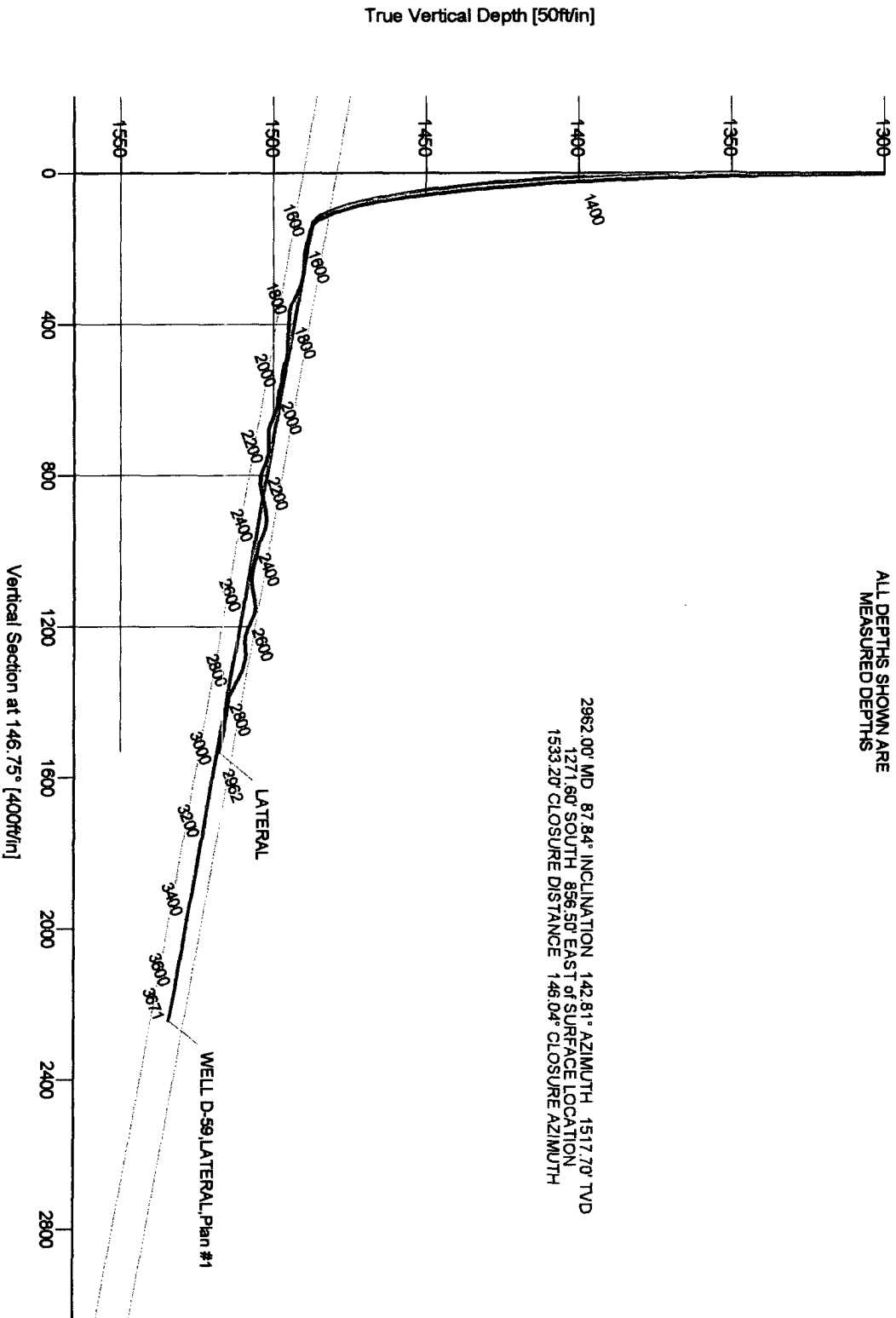
EL PASO PRODUCTION

RATON WELL D-59
VERMEJO FIELD, NEW MEXICO
LATERAL



ALL DEPTHS SHOWN ARE
MEASURED DEPTHS

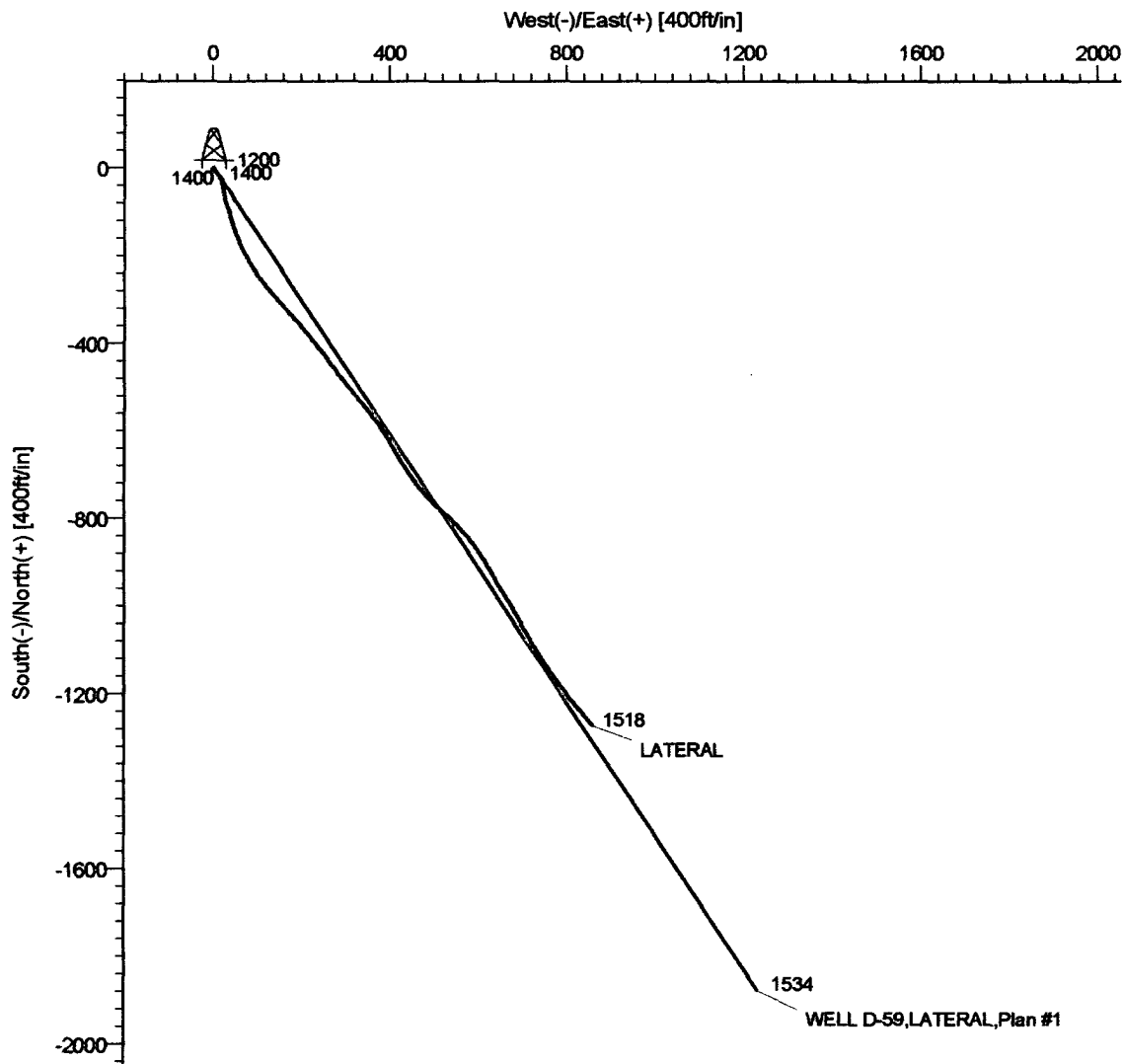
2962.00' MD 87.84° INCLINATION 142.81° AZIMUTH 1517.70' TVD
1271.60' SOUTH 856.50' EAST of SURFACE LOCATION
1533.20' CLOSURE DISTANCE 146.04° CLOSURE AZIMUTH



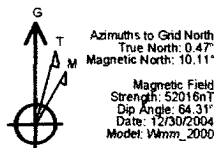
WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
WELL D-59	0.0	0.0	2141727.0783	272530.4359	36°53'00.200N	105°06'40.000W	N/A

ALL DEPTHS SHOWN ARE
TRUE VERTICAL DEPTHS



2962.00' MD 87.84° INCLINATION 142.81° AZIMUTH 1517.70' TVD
1271.60' SOUTH 856.50' EAST of SURFACE LOCATION
1533.20' CLOSURE DISTANCE 146.04° CLOSURE AZIMUTH



February 17, 2005
Scientific Drilling
281.443.4600