

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

RECEIVED
State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

JUN 13 2007
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

WELL API NO. 30-007-20401
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 113
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 E & P COMPANY, L.P.

3. Address of Operator
PO BOX 190, RATON, NM 87740

4. Well Location
Unit Letter **N** : **708** feet from the **South** line and **1747** feet from the **West** line
Section **10** Township **30N** Range **17E** NMPM **Colfax** County
Bottom Hole Location: Unit J, Sec 10, T30N, R17E, 708 FSL, 1997 FEL, Colfax County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
9,113' (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.

04/24/2007 MIRU Rig. LD rods, tubing, and pump.
Set whipstock on bridge plug at 2364'. Top of whipstock at 2358'.
Whipstock orientation at 51°. Cut 4 3/4" window from 2358' - 2364'.
04/22/2007 MIRU Turner Rig. Drill 4 3/4" horizontal lateral to 4495' MD.
To 05/01/2007 (See attachment for surveys.)
05/02/2007 Circulate and clean hole. Run 1721' of 3 1/2" perforated liner and 389' of blank liner.
Top of liner at 1077'. Bottom of liner at 2798'.
05/03/2007 POOH with whip stock. LDDP.
Circulated and cleaned well bore with air/foam. Clean to PBTD at 2382'.
05/05/2007 TIH with 2 7/8" production tubing set at 2727'. TIH with insert pump and rods.
05/11/2007 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 Shirley Mitchell TITLE Regulatory Analyst DATE 06/07/2007
Type or print name Shirley A. Mitchell E-mail address: shirley.mitchell@elpaso.com Telephone No. (505) 445-6785

For State Use Only

APPROVED BY: Ed Martin TITLE DISTRICT SUPERVISOR DATE 6/19/07
Conditions of Approval (if any):



Scientific Drilling Houston

Final Survey Report



Company: EL PASO PRODUCTION Date: 5/10/2007 Time: 10:43:31 Page: 1
Field: VERMEJO FIELD, NEW MEXICO Co-ordinate(NE) Reference: Well: WELL D-113, Grid North
Site: RATON (D113) Vertical (TVD) Reference: SITE 9113.0
Well: WELL D-113 Section (VS) Reference: Well (0.00N,0.00E,49.91Azi)
Wellpath: LATERAL Survey Calculation Method: Minimum Curvature Db: Sybase

Field: VERMEJO FIELD, NEW MEXICO

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf2005

Site: RATON (D113)

Site Position: Northing: 2127443.96 ft Latitude: 36 50 37.896 N
From: Geographic Easting: 308700.90 ft Longitude: 105 7 42.204 W
Position Uncertainty: 0.0 ft North Reference: Grid
Ground Level: 9113.0 ft Grid Convergence: -0.48 deg

Well: WELL D-113

Slot Name:

Well Position: +N/-S 0.0 ft Northing: 2127443.96 ft Latitude: 36 50 37.896 N
+E/-W 0.0 ft Easting: 308700.90 ft Longitude: 105 7 42.204 W
Position Uncertainty: 0.0 ft

Wellpath: LATERAL

Drilled From: Surface
Tie-on Depth: 0.0 ft
Above System Datum: Mean Sea Level
Declination: 9.22 deg
Mag Dip Angle: 64.16 deg
+E/-W Direction
bearing

Current Datum: SITE Height 9113.0 ft
Magnetic Data: 4/18/2007
Field Strength: 51624 nT
Vertical Section: Depth From (TVD) +N/-S
ft ft
0.0 0.0 0.0 49.91

Survey

MD ft	Incl deg	Azim bearing	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA bearing	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	2.18	46.67	100.0	1.3	1.4	1.9	2.18	1.9	46.67	SDI GYRO
200.0	3.66	19.99	199.8	5.6	3.9	6.6	1.97	6.8	34.52	SDI GYRO
300.0	4.22	358.62	299.6	12.3	4.9	11.6	1.56	13.2	21.58	SDI GYRO
400.0	4.28	355.00	399.3	19.7	4.4	16.1	0.27	20.2	12.73	SDI GYRO
500.0	3.98	356.64	499.1	26.9	3.9	20.3	0.32	27.2	8.30	SDI GYRO
600.0	3.56	0.93	598.9	33.4	3.8	24.4	0.51	33.6	6.43	SDI GYRO
700.0	3.29	4.27	698.7	39.4	4.0	28.5	0.34	39.6	5.84	SDI GYRO
800.0	3.19	6.57	798.5	45.0	4.6	32.5	0.16	45.3	5.79	SDI GYRO
900.0	2.95	11.17	898.4	50.3	5.4	36.5	0.34	50.6	6.10	SDI GYRO
1000.0	2.80	17.70	998.3	55.2	6.6	40.6	0.36	55.6	6.84	SDI GYRO
1100.0	2.54	26.02	1098.1	59.5	8.3	44.7	0.47	60.1	7.98	SDI GYRO
1200.0	2.47	26.99	1198.1	63.4	10.3	48.7	0.08	64.2	9.21	SDI GYRO
1300.0	1.95	39.62	1298.0	66.6	12.3	52.4	0.71	67.8	10.50	SDI GYRO
1400.0	2.13	31.28	1397.9	69.5	14.4	55.8	0.35	71.0	11.70	SDI GYRO
1500.0	1.73	38.29	1497.9	72.3	16.3	59.0	0.46	74.1	12.70	SDI GYRO
1600.0	2.01	39.48	1597.8	74.8	18.3	62.2	0.28	77.1	13.78	SDI GYRO
1700.0	2.34	39.54	1697.7	77.8	20.8	66.0	0.33	80.5	14.95	SDI GYRO
1800.0	2.27	39.79	1797.7	80.9	23.3	69.9	0.07	84.2	16.09	SDI GYRO
1900.0	1.74	50.06	1897.6	83.4	25.8	73.4	0.64	87.2	17.17	SDI GYRO
2000.0	1.62	47.53	1997.5	85.3	28.0	76.3	0.14	89.8	18.16	SDI GYRO
2100.0	1.36	42.21	2097.5	87.1	29.8	78.9	0.29	92.1	18.89	SDI GYRO
2200.0	1.36	46.62	2197.5	88.8	31.5	81.3	0.10	94.2	19.51	SDI GYRO
2300.0	1.09	36.45	2297.5	90.4	32.9	83.4	0.35	96.2	20.00	SDI GYRO
2331.0	1.20	40.73	2328.4	90.9	33.3	84.0	0.45	96.8	20.11	SDI GYRO
2372.0	5.21	49.91	2369.4	92.4	35.0	86.3	9.83	98.8	20.74	SDI E-FIELD
2403.0	10.41	41.74	2400.1	95.4	37.9	90.5	17.11	102.7	21.68	SDI E-FIELD
2435.0	14.82	43.47	2431.3	100.5	42.7	97.4	13.83	109.2	23.00	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report



Company: EL PASO PRODUCTION	Date: 5/10/2007	Time: 10:43:31	Page: 2
Field: VERMEJO FIELD, NEW MEXICO	Co-ordinate(NE) Reference:	Well: WELL D-113, Grid North	
Site: RATON (D113)	Vertical (TVD) Reference:	SITE 9113.0	
Well: WELL D-113	Section (VS) Reference:	Well (0.00N,0.00E,49.91Azi)	
Wellpath: LATERAL	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim bearing	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ClsD ft	ClsA bearing	Tool
2466.0	18.86	44.71	2461.0	107.0	48.9	106.3	13.08	117.6	24.58	SDI E-FIELD
2498.0	23.70	45.82	2490.8	115.1	57.2	117.9	15.18	128.6	26.41	SDI E-FIELD
2529.0	28.13	46.94	2518.7	124.5	67.0	131.4	14.38	141.4	28.29	SDI E-FIELD
2561.0	32.72	46.21	2546.2	135.6	78.8	147.6	14.39	156.8	30.15	SDI E-FIELD
2590.0	36.36	44.98	2570.1	147.1	90.5	164.0	12.78	172.7	31.60	SDI E-FIELD
2621.0	43.67	49.33	2593.9	160.6	105.1	183.9	25.24	192.0	33.21	SDI E-FIELD
2653.0	55.97	55.88	2614.5	175.3	124.6	208.2	41.46	215.1	35.40	SDI E-FIELD
2684.0	63.57	57.58	2630.1	190.0	147.0	234.8	24.97	240.2	37.72	SDI E-FIELD
2716.0	66.41	57.81	2643.6	205.5	171.5	263.5	8.90	267.6	39.84	SDI E-FIELD
2747.0	71.53	59.28	2654.7	220.6	196.1	292.1	17.10	295.2	41.65	SDI E-FIELD
2779.0	77.83	59.82	2663.2	236.2	222.7	322.5	19.75	324.7	43.32	SDI E-FIELD
2810.0	79.93	59.66	2669.2	251.5	249.0	352.5	6.79	353.9	44.71	SDI E-FIELD
2842.0	80.17	59.77	2674.7	267.4	276.2	383.5	0.82	384.5	45.93	SDI E-FIELD
2873.0	85.27	60.46	2678.6	282.7	302.9	413.8	16.60	414.3	46.97	SDI E-FIELD
2904.0	86.14	60.70	2680.9	297.9	329.8	444.2	2.91	444.4	47.91	SDI E-FIELD
2936.0	84.45	58.09	2683.6	314.2	357.3	475.6	9.69	475.7	48.67	SDI E-FIELD
2967.0	82.63	54.78	2687.0	331.2	382.9	506.2	12.13	506.3	49.14	SDI E-FIELD
2998.0	86.88	53.42	2689.9	349.3	407.9	537.0	14.39	537.0	49.43	SDI E-FIELD
3030.0	90.84	52.73	2690.5	368.5	433.5	568.9	12.56	569.0	49.63	SDI E-FIELD
3062.0	91.18	52.60	2690.0	387.9	458.9	600.9	1.14	600.9	49.79	SDI E-FIELD
3093.0	90.84	52.79	2689.4	406.7	483.6	631.9	1.26	631.9	49.94	SDI E-FIELD
3125.0	91.41	52.78	2688.8	426.0	509.1	663.8	1.78	663.8	50.07	SDI E-FIELD
3156.0	91.01	51.32	2688.1	445.1	533.5	694.8	4.88	694.8	50.16	SDI E-FIELD
3187.0	91.44	51.21	2687.5	464.5	557.7	725.8	1.43	725.8	50.21	SDI E-FIELD
3219.0	92.59	51.20	2686.3	484.5	582.6	757.7	3.59	757.8	50.25	SDI E-FIELD
3250.0	92.25	51.06	2685.0	504.0	606.7	788.7	1.19	788.7	50.29	SDI E-FIELD
3282.0	91.41	49.92	2684.0	524.3	631.4	820.7	4.42	820.7	50.29	SDI E-FIELD
3313.0	90.34	50.40	2683.5	544.2	655.2	851.7	3.78	851.7	50.29	SDI E-FIELD
3345.0	89.53	50.26	2683.6	564.6	679.8	883.7	2.57	883.7	50.29	SDI E-FIELD
3376.0	88.72	48.86	2684.0	584.7	703.4	914.7	5.22	914.7	50.27	SDI E-FIELD
3407.0	89.60	48.39	2684.5	605.2	726.7	945.7	3.22	945.7	50.21	SDI E-FIELD
3439.0	89.60	48.05	2684.7	626.5	750.5	977.7	1.06	977.7	50.15	SDI E-FIELD
3470.0	91.48	48.18	2684.4	647.2	773.6	1008.6	6.08	1008.6	50.08	SDI E-FIELD
3501.0	93.43	47.65	2683.1	668.0	796.6	1039.6	6.52	1039.6	50.02	SDI E-FIELD
3532.0	91.74	47.80	2681.7	688.8	819.5	1070.5	5.47	1070.5	49.95	SDI E-FIELD
3564.0	91.11	48.21	2680.9	710.2	843.3	1102.5	2.35	1102.5	49.90	SDI E-FIELD
3595.0	90.77	48.01	2680.4	730.9	866.4	1133.5	1.27	1133.5	49.85	SDI E-FIELD
3627.0	91.55	47.25	2679.7	752.5	890.0	1165.4	3.40	1165.5	49.79	SDI E-FIELD
3659.0	92.29	46.37	2678.7	774.3	913.3	1197.4	3.59	1197.4	49.71	SDI E-FIELD
3690.0	91.95	47.27	2677.5	795.5	935.9	1228.3	3.10	1228.3	49.63	SDI E-FIELD
3722.0	92.28	48.24	2676.3	817.0	959.6	1260.3	3.20	1260.3	49.59	SDI E-FIELD
3753.0	91.48	49.62	2675.3	837.4	982.9	1291.2	5.14	1291.3	49.57	SDI E-FIELD
3785.0	92.29	48.26	2674.3	858.4	1007.0	1323.2	4.94	1323.3	49.56	SDI E-FIELD
3816.0	91.48	48.50	2673.3	879.0	1030.2	1354.2	2.73	1354.2	49.53	SDI E-FIELD
3848.0	89.97	48.87	2672.9	900.1	1054.2	1386.2	4.86	1386.2	49.51	SDI E-FIELD
3879.0	87.92	49.32	2673.4	920.4	1077.7	1417.2	6.77	1417.2	49.50	SDI E-FIELD
3910.0	88.25	49.02	2674.5	940.7	1101.1	1448.2	1.44	1448.2	49.49	SDI E-FIELD
3941.0	88.39	50.69	2675.4	960.6	1124.8	1479.1	5.40	1479.2	49.50	SDI E-FIELD
3973.0	89.26	50.36	2676.0	981.0	1149.5	1511.1	2.91	1511.2	49.52	SDI E-FIELD
4005.0	90.37	50.09	2676.1	1001.4	1174.1	1543.1	3.57	1543.2	49.54	SDI E-FIELD
4036.0	90.84	49.37	2675.8	1021.5	1197.7	1574.1	2.77	1574.2	49.54	SDI E-FIELD
4067.0	92.32	48.42	2674.9	1041.9	1221.1	1605.1	5.67	1605.1	49.53	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report

el paso | Production

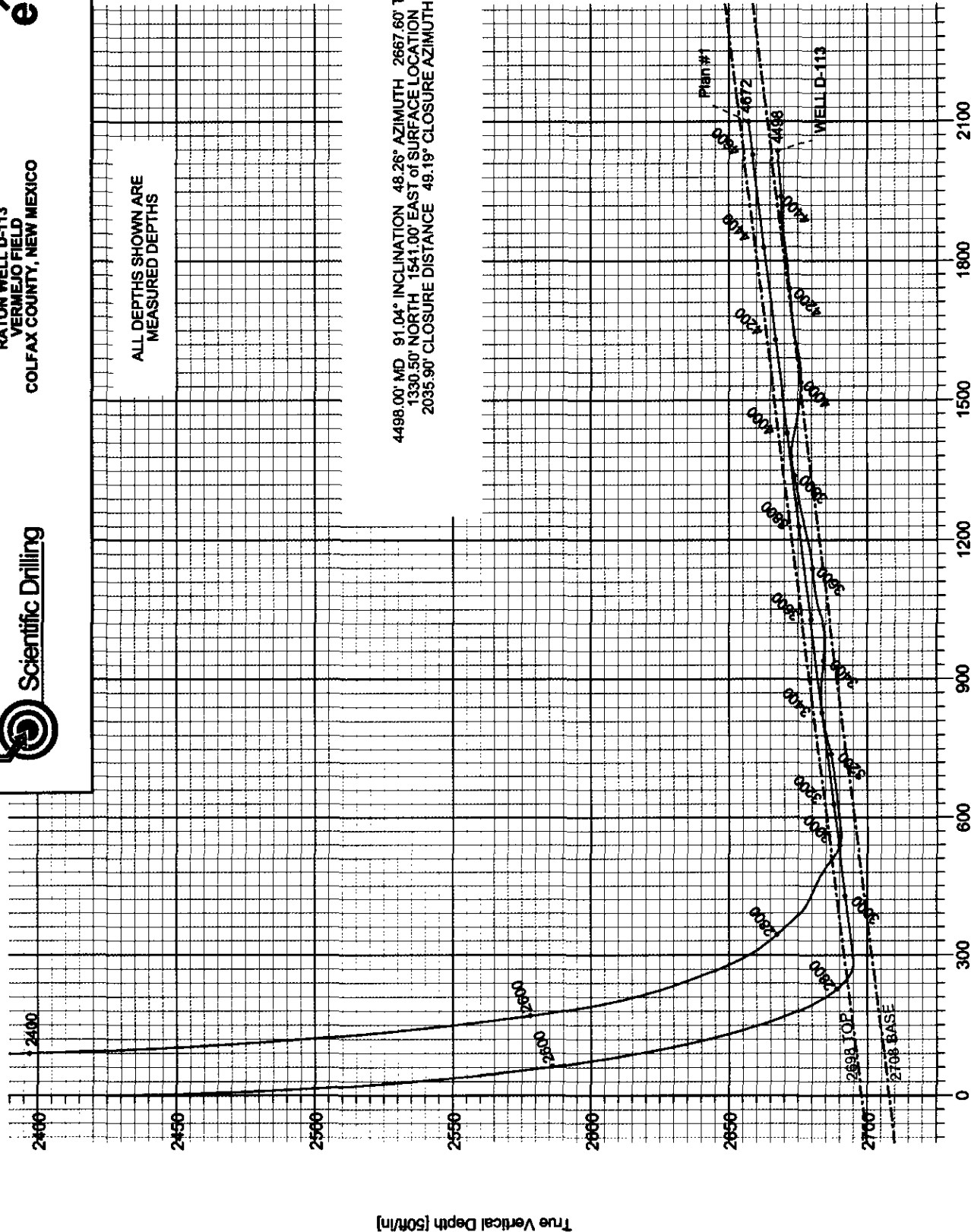
Company: EL PASO PRODUCTION	Date: 5/10/2007	Time: 10:43:31	Page: 3
Field: VERMEJO FIELD, NEW MEXICO	Co-ordinate(NE) Reference:	Well: WELL D-113, Grid North	
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Well: WELL D-113	Section (VS) Reference:	Well (0.00N,0.00E,49.91Azi)	
Wellpath: LATERAL	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim bearing	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	ChD ft	ChA bearing	Tool
4099.0	92.08	47.31	2673.7	1063.3	1244.8	1637.1	3.55	1637.1	49.50	SDI E-FIELD
4130.0	90.82	48.56	2673.0	1084.1	1267.8	1668.0	6.20	1668.1	49.47	SDI E-FIELD
4162.0	90.50	47.92	2672.7	1105.4	1291.7	1700.0	2.03	1700.1	49.44	SDI E-FIELD
4193.0	91.18	48.28	2672.2	1126.1	1314.7	1731.0	2.48	1731.1	49.42	SDI E-FIELD
4224.0	90.87	47.28	2671.7	1146.9	1337.7	1762.0	3.38	1762.1	49.39	SDI E-FIELD
4256.0	90.87	47.18	2671.2	1168.6	1361.2	1793.9	0.31	1794.0	49.35	SDI E-FIELD
4288.0	91.31	48.85	2670.6	1190.0	1385.0	1825.9	5.40	1826.0	49.33	SDI E-FIELD
4319.0	91.24	47.65	2669.9	1210.7	1408.1	1856.9	3.88	1857.0	49.31	SDI E-FIELD
4351.0	90.60	48.34	2669.4	1232.1	1431.9	1888.9	2.94	1889.0	49.29	SDI E-FIELD
4382.0	90.07	47.36	2669.2	1252.9	1454.8	1919.9	3.59	1920.0	49.27	SDI E-FIELD
4413.0	90.64	47.56	2669.0	1273.8	1477.7	1950.8	1.95	1951.0	49.24	SDI E-FIELD
4445.0	90.87	48.55	2668.6	1295.2	1501.5	1982.8	3.18	1982.9	49.22	SDI E-FIELD
4456.0	91.04	48.26	2668.4	1302.5	1509.7	1993.8	3.06	1993.9	49.21	SDI E-FIELD
4498.0	91.04	48.26	2667.6	1330.5	1541.0	2035.8	0.00	2035.9	49.19	PROJECTED DEPTH

EL PASO PRODUCTION

RATON WELL D-113
VERMEJO FIELD
COLFAX COUNTY, NEW MEXICO





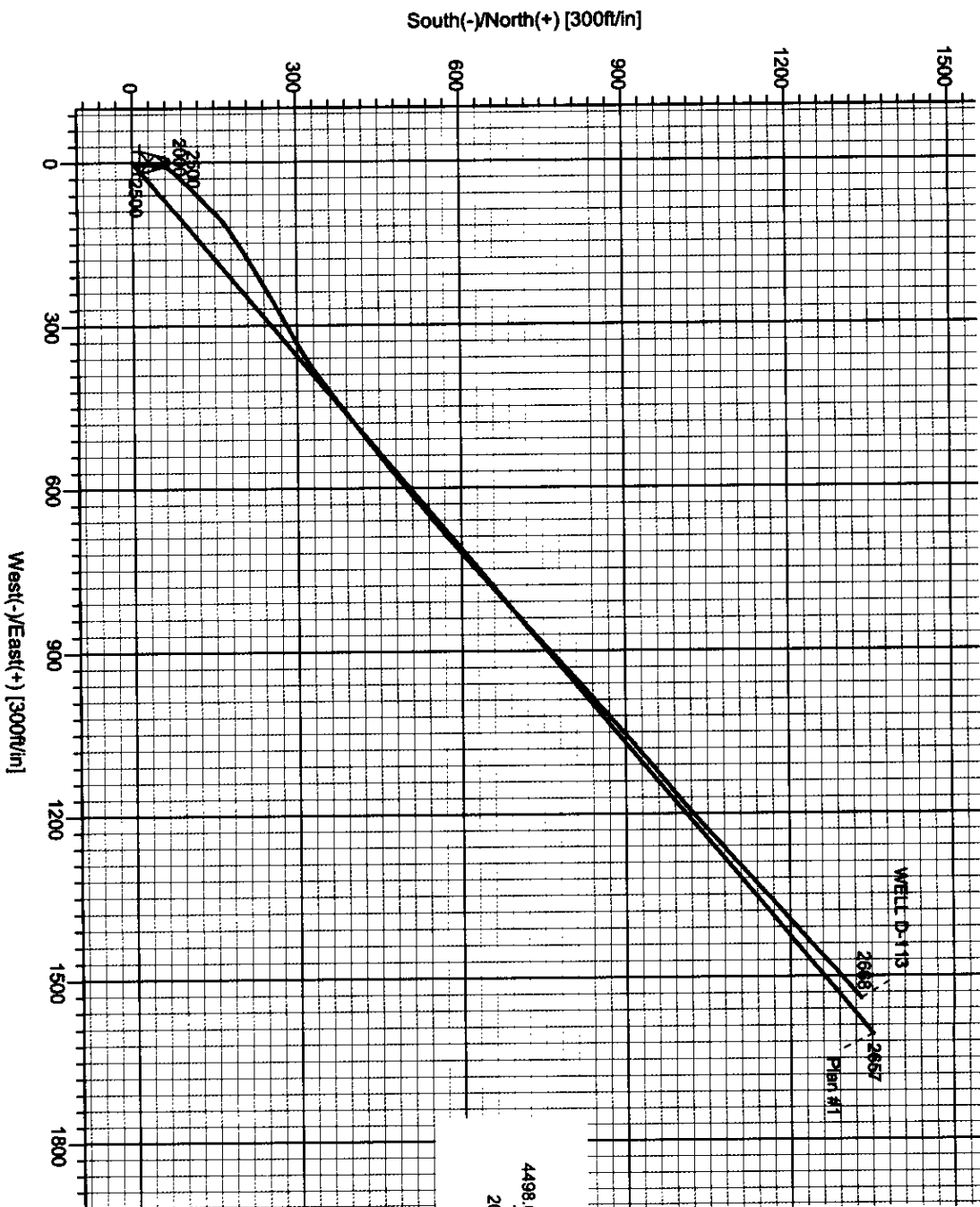
Scientific Drilling

EL PASO PRODUCTION

RATON WELL D-113
VERMEJO FIELD
COLFAX COUNTY, NEW MEXICO

el paso Production

ALL DEPTHS SHOWN ARE
TRUE VERTICAL DEPTHS



4498.00' MD 91.04° INCLINATION 48.26° AZIMUTH 2667.60' TVD
1330.50' NORTH 1541.00' EAST OF SURFACE LOCATION
2035.90' CLOSURE DISTANCE 49.19° CLOSURE AZIMUTH



Azimuths to Grid North
True North 0.75°
Magnetic North 8.75°
Magnetic Field
Strength 5.62kG
Dip Angle 66.41°
Dip Angle 66.41°
Model: 97F0005

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
WELL D-113	0.0	0.0	2127443.96	308700.90	36°50'37.896N	105°07'42.204W	N/A

May 10, 2007
Scientific Drilling
281.443.4500