

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
RECEIVED
OIL CONSERVATION DIVISION
1220 S. St. Francis Drive
Santa Fe, NM 87505
Oil Conservation Division

Form C-103
May 27, 2004

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.)		WELL API NO. 30-007-20176-20386
1. Type of Well: Oil Well ☐ Gas Well ☒ Other COALBED METHANE		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator EL Paso E & P Company, L.P.		6. State Oil & Gas Lease No.
3. Address of Operator PO BOX 190, RATON, NM 87740		7. Lease Name or Unit Agreement Name VPR D
4. Well Location Unit Letter B : 1124 feet from the North line and 1378 feet from the East line Section 3 Township 30N Range 17E NMPM Colfax County Bottom Hole Location: Unit D, Sec 2, T 30N, R 17E, 724' FNL, 125' FWL, Colfax County		8. Well Number 98
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 8,413' (GR)		9. OGRID Number 180514
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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
OTHER: ☐		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.

07/12/06 MIRU Eagle Rig. LD rods, tubing, and pump.
07/14/06 Set whipstock at 1,581'. Start milling window from 1,581' - 1,587'.
07/16/06 MIRU Pense Rig. Drill 4 1/4" horizontal lateral to 3,218' MD, 1,737' TVD.
07/24/06 Set 3 1/2" perforated liner. Top set at 1,607' and Bottom set at 3,200'.
07/26/06 LD whip stock Clean out with Air Unit.
07/27/06 TIH with 2 7/8" production tubing, insert pump and 3/4" rods.
07/29/06 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 09/01/2006
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 9-13-06
Conditions of Approval (if any):



Scientific Drilling Houston

Final Survey Report

el paso Production

Company: EL PASO PRODUCTION	Date: 7/31/2006	Time: 10:39:09	Page: 1
Field: VERMEJO FIELD, NEW MEXICO	Co-ordinate(NE) Reference: Well: WELL D-98, Grid North		
Site: RATON (D98)	Vertical (TVD) Reference: SITE 0.0		
Well: WELL D-98	Section (VS) Reference: Well (0.00N,0.00E,75.28Azi)		
Wellpath: RE-ENTRY	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 (D98)

Site Position:	Northing: 2136079.74 ft	Latitude: 36 52 4.134 N
From: Geographic	Easting: 269741.17 ft	Longitude: 105 7 13.758 W
Position Uncertainty: 0.0 ft		North Reference: Grid
Ground Level: 8413.0 ft		Grid Convergence: -0.47 deg

Well: WELL D-98

Slot Name:

Well Position: +N/-S 0.0 ft	Northing: 2136079.74 ft	Latitude: 36 52 4.134 N
+E/-W 0.0 ft	Easting: 269741.17 ft	Longitude: 105 7 13.758 W
Position Uncertainty: 0.0 ft		

Wellpath: RE-ENTRY

Drilled From: Surface
Tie-on Depth: 0.0 ft
Above System Datum: Mean Sea Level
Declination: 9.32 deg
Mag Dip Angle: 64.20 deg
+E/-W Direction deg

Current Datum: SITE	Height 0.0 ft
Magnetic Data: 7/12/2006	
Field Strength: 51716 nT	
Vertical Section: Depth From (TVD) ft	+N/-S 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	0.68	25.15	100.0	0.5	0.3	0.4	0.68	0.6	25.15	SDI GYRO
200.0	1.00	13.48	200.0	1.9	0.7	1.2	0.36	2.0	20.21	SDI GYRO
300.0	1.28	337.16	300.0	3.8	0.5	1.4	0.76	3.8	7.16	SDI GYRO
400.0	1.40	329.97	399.9	5.9	-0.6	0.9	0.21	5.9	354.50	SDI GYRO
500.0	1.40	331.70	499.9	8.0	-1.8	0.3	0.04	8.2	347.64	SDI GYRO
600.0	1.32	343.76	599.9	10.2	-2.7	0.0	0.30	10.5	345.39	SDI GYRO
700.0	1.25	342.98	699.9	12.4	-3.3	-0.1	0.07	12.8	345.04	SDI GYRO
800.0	1.11	353.52	799.8	14.4	-3.7	0.0	0.26	14.8	345.44	SDI GYRO
900.0	0.92	2.60	899.8	16.1	-3.8	0.4	0.25	16.6	346.73	SDI GYRO
1000.0	0.97	9.15	999.8	17.8	-3.6	1.0	0.12	18.1	348.44	SDI GYRO
1100.0	0.71	24.71	1099.8	19.2	-3.2	1.7	0.34	19.4	350.41	SDI GYRO
1200.0	0.91	35.87	1199.8	20.4	-2.5	2.7	0.25	20.5	352.97	SDI GYRO
1300.0	0.90	17.43	1299.8	21.8	-1.8	3.8	0.29	21.8	355.24	SDI GYRO
1400.0	0.87	357.63	1399.8	23.3	-1.6	4.4	0.31	23.3	356.04	SDI GYRO
1500.0	1.07	8.35	1499.7	24.9	-1.5	4.9	0.27	25.0	356.55	SDI GYRO
1564.0	1.13	12.80	1563.7	26.2	-1.3	5.4	0.16	26.2	357.20	SDI GYRO
1595.0	5.03	77.86	1594.7	26.7	0.1	6.9	15.06	26.7	0.26	SDI E-FIELD
1627.0	19.13	77.86	1625.9	28.1	6.6	13.6	44.06	28.9	13.29	SDI E-FIELD
1658.0	31.64	78.31	1653.9	30.9	19.6	26.8	40.36	36.6	32.45	SDI E-FIELD
1690.0	43.37	71.74	1679.2	36.0	38.4	46.3	38.68	52.6	46.79	SDI E-FIELD
1721.0	54.59	64.17	1699.5	44.9	59.9	69.4	40.57	74.9	53.15	SDI E-FIELD
1753.0	67.75	63.12	1714.9	57.3	85.0	96.8	41.22	102.5	55.99	SDI E-FIELD
1782.0	79.89	64.34	1723.0	69.6	109.9	124.0	42.06	130.1	57.64	SDI E-FIELD
1813.0	84.71	68.11	1727.2	82.0	138.0	154.3	19.67	160.5	59.28	SDI E-FIELD
1844.0	86.70	69.09	1729.5	93.3	166.8	185.0	7.15	191.1	60.78	SDI E-FIELD
1879.0	87.31	73.78	1731.3	104.4	199.9	219.9	13.49	225.5	62.42	SDI E-FIELD
1908.0	89.53	75.48	1732.1	112.1	227.9	248.9	9.64	253.9	63.81	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report



Company: EL PASO PRODUCTION
Field: VERMEJO FIELD, NEW MEXICO
Site: RATON (D98)
Well: WELL D-98
Wellpath: RE-ENTRY

Date: 7/31/2006 Time: 10:39:09 Page: 2
Co-ordinate(NE) Reference: Well: WELL D-98, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,75.28Azi)
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
1939.0	92.69	75.58	1731.5	119.8	257.9	279.9	10.20	284.4	65.07	SDI E-FIELD
1971.0	90.57	75.50	1730.6	127.8	288.8	311.8	6.63	315.9	66.13	SDI E-FIELD
2002.0	91.21	75.74	1730.1	135.5	318.9	342.8	2.20	346.5	66.97	SDI E-FIELD
2034.0	89.33	76.07	1730.0	143.3	349.9	374.8	5.96	378.1	67.73	SDI E-FIELD
2065.0	86.16	76.80	1731.2	150.6	380.0	405.8	10.49	408.8	68.38	SDI E-FIELD
2095.0	85.86	77.47	1733.3	157.2	409.2	435.7	2.44	438.4	68.98	SDI E-FIELD
2126.0	87.45	78.45	1735.1	163.7	439.5	466.6	6.02	469.0	69.57	SDI E-FIELD
2157.0	88.32	78.67	1736.2	169.8	469.8	497.6	2.89	499.6	70.12	SDI E-FIELD
2189.0	90.47	79.84	1736.6	175.8	501.3	529.5	7.65	531.2	70.67	SDI E-FIELD
2221.0	92.12	80.71	1735.8	181.2	532.8	561.3	5.83	562.8	71.22	SDI E-FIELD
2252.0	90.74	81.32	1735.1	186.1	563.4	592.2	4.87	593.3	71.73	SDI E-FIELD
2284.0	90.27	81.88	1734.8	190.7	595.0	624.0	2.28	624.9	72.23	SDI E-FIELD
2316.0	90.24	83.76	1734.6	194.7	626.8	655.7	5.88	656.3	72.74	SDI E-FIELD
2348.0	91.92	81.84	1734.0	198.7	658.5	687.4	7.97	687.9	73.21	SDI E-FIELD
2380.0	93.06	81.67	1732.6	203.3	690.2	719.2	3.60	719.5	73.59	SDI E-FIELD
2411.0	91.88	79.86	1731.3	208.3	720.7	750.0	6.97	750.2	73.88	SDI E-FIELD
2443.0	90.71	78.49	1730.6	214.3	752.2	781.9	5.63	782.1	74.10	SDI E-FIELD
2475.0	88.86	75.86	1730.7	221.4	783.4	813.9	10.05	814.0	74.22	SDI E-FIELD
2507.0	87.54	74.26	1731.7	229.6	814.3	845.9	6.48	846.0	74.25	SDI E-FIELD
2538.0	87.88	73.20	1732.9	238.3	844.0	876.9	3.59	877.0	74.23	SDI E-FIELD
2570.0	87.88	72.52	1734.1	247.7	874.6	908.8	2.12	909.0	74.18	SDI E-FIELD
2602.0	87.58	71.80	1735.4	257.5	905.0	940.7	2.44	940.9	74.11	SDI E-FIELD
2633.0	88.32	72.26	1736.5	267.1	934.5	971.7	2.81	971.9	74.05	SDI E-FIELD
2664.0	90.67	73.26	1736.8	276.3	964.1	1002.6	8.24	1002.9	74.01	SDI E-FIELD
2695.0	92.29	73.48	1736.0	285.2	993.8	1033.6	5.27	1033.9	73.99	SDI E-FIELD
2727.0	92.29	74.26	1734.7	294.0	1024.5	1065.6	2.44	1065.8	73.99	SDI E-FIELD
2758.0	93.77	75.10	1733.1	302.2	1054.3	1096.5	5.49	1096.8	74.01	SDI E-FIELD
2790.0	94.72	75.41	1730.7	310.3	1085.2	1128.4	3.12	1128.7	74.04	SDI E-FIELD
2829.0	94.72	75.41	1727.5	320.1	1122.8	1167.3	0.00	1167.5	74.09	PROJECTED DEPTH



Scientific Drilling Houston

Final Survey Report

eipaso Production

Company: EL PASO PRODUCTION	Date: 7/31/2006	Time: 10:46:19	Page: 1
Field: VERMEJO FIELD, NEW MEXICO	Co-ordinate(NE) Reference: Well: WELL D-98, Grid North		
Site: RATON (D98)	Vertical (TVD) Reference: SITE 0.0		
Well: WELL D-98	Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)		
Wellpath: RE-ENTRY 2	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 (D98)

Site Position:	Northing: 2136079.74 ft	Latitude: 36 52 4.134 N
From: Geographic	Easting: 269741.17 ft	Longitude: 105 7 13.758 W
Position Uncertainty: 0.0 ft		North Reference: Grid
Ground Level: 8413.0 ft		Grid Convergence: -0.47 deg

Well: WELL D-98

Slot Name:

Well Position: +N/-S 0.0 ft	Northing: 2136079.74 ft	Latitude: 36 52 4.134 N
+E/-W 0.0 ft	Easting: 269741.17 ft	Longitude: 105 7 13.758 W
Position Uncertainty: 0.0 ft		

Wellpath: RE-ENTRY 2

Drilled From: RE-ENTRY

Current Datum: SITE	Height 0.0 ft	Tie-on Depth: 2695.0 ft
Magnetic Data: 7/31/2006		Above System Datum: Mean Sea Level
Field Strength: 51710 nT		Declination: 9.31 deg
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 64.20 deg
ft	ft	+E/-W
		Direction
		deg
0.0	0.0	0.0
		0.00

Survey

MD ft	Incl deg	Azlm 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	0.68	25.15	100.0	0.5	0.3	0.5	0.68	0.6	25.15	SDI GYRO
200.0	1.00	13.48	200.0	1.9	0.7	1.9	0.36	2.0	20.21	SDI GYRO
300.0	1.28	337.16	300.0	3.8	0.5	3.8	0.76	3.8	7.16	SDI GYRO
400.0	1.40	329.97	399.9	5.9	-0.6	5.9	0.21	5.9	354.50	SDI GYRO
500.0	1.40	331.70	499.9	8.0	-1.8	8.0	0.04	8.2	347.64	SDI GYRO
600.0	1.32	343.76	599.9	10.2	-2.7	10.2	0.30	10.5	345.39	SDI GYRO
700.0	1.25	342.98	699.9	12.4	-3.3	12.4	0.07	12.8	345.04	SDI GYRO
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900.0	0.92	2.60	899.8	16.1	-3.8	16.1	0.25	16.6	346.73	SDI GYRO
1000.0	0.97	9.15	999.8	17.8	-3.6	17.8	0.12	18.1	348.44	SDI GYRO
1100.0	0.71	24.71	1099.8	19.2	-3.2	19.2	0.34	19.4	350.41	SDI GYRO
1200.0	0.91	35.87	1199.8	20.4	-2.5	20.4	0.25	20.5	352.97	SDI GYRO
1300.0	0.90	17.43	1299.8	21.8	-1.8	21.8	0.29	21.8	355.24	SDI GYRO
1400.0	0.87	357.63	1399.8	23.3	-1.6	23.3	0.31	23.3	356.04	SDI GYRO
1500.0	1.07	8.35	1499.7	24.9	-1.5	24.9	0.27	25.0	356.55	SDI GYRO
1564.0	1.13	12.80	1563.7	26.2	-1.3	26.2	0.16	26.2	357.20	SDI GYRO
1595.0	5.03	77.86	1594.7	26.7	0.1	26.7	15.06	26.7	0.26	SDI E-FIELD
1627.0	19.13	77.86	1625.9	28.1	6.6	28.1	44.06	28.9	13.29	SDI E-FIELD
1658.0	31.64	78.31	1653.9	30.9	19.6	30.9	40.36	36.6	32.45	SDI E-FIELD
1690.0	43.37	71.74	1679.2	36.0	38.4	36.0	38.68	52.6	46.79	SDI E-FIELD
1721.0	54.59	64.17	1699.5	44.9	59.9	44.9	40.57	74.9	53.15	SDI E-FIELD
1753.0	67.75	63.12	1714.9	57.3	85.0	57.3	41.22	102.5	55.99	SDI E-FIELD
1782.0	79.89	64.34	1723.0	69.6	109.9	69.6	42.06	130.1	57.64	SDI E-FIELD
1813.0	84.71	68.11	1727.2	82.0	138.0	82.0	19.67	160.5	59.28	SDI E-FIELD
1844.0	86.70	69.09	1729.5	93.3	166.8	93.3	7.15	191.1	60.78	SDI E-FIELD
1879.0	87.31	73.78	1731.3	104.4	199.9	104.4	13.49	225.5	62.42	SDI E-FIELD
1908.0	89.53	75.48	1732.1	112.1	227.9	112.1	9.64	253.9	63.81	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report

el paso Production

Company: EL PASO PRODUCTION
Field: VERMEJO FIELD, NEW MEXICO
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Well: WELL D-98
Wellpath: RE-ENTRY 2

Date: 7/31/2006 Time: 10:46:19 Page: 2
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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
1939.0	92.69	75.58	1731.5	119.8	257.9	119.8	10.20	284.4	65.07	SDI E-FIELD
1971.0	90.57	75.50	1730.6	127.8	288.8	127.8	6.63	315.9	66.13	SDI E-FIELD
2002.0	91.21	75.74	1730.1	135.5	318.9	135.5	2.20	346.5	66.97	SDI E-FIELD
2034.0	89.33	76.07	1730.0	143.3	349.9	143.3	5.96	378.1	67.73	SDI E-FIELD
2065.0	86.16	76.80	1731.2	150.6	380.0	150.6	10.49	408.8	68.38	SDI E-FIELD
2095.0	85.86	77.47	1733.3	157.2	409.2	157.2	2.44	438.4	68.98	SDI E-FIELD
2126.0	87.45	78.45	1735.1	163.7	439.5	163.7	6.02	469.0	69.57	SDI E-FIELD
2157.0	88.32	78.67	1736.2	169.8	469.8	169.8	2.89	499.6	70.12	SDI E-FIELD
2189.0	90.47	79.84	1736.6	175.8	501.3	175.8	7.65	531.2	70.67	SDI E-FIELD
2221.0	92.12	80.71	1735.8	181.2	532.8	181.2	5.83	562.8	71.22	SDI E-FIELD
2252.0	90.74	81.32	1735.1	186.1	563.4	186.1	4.87	593.3	71.73	SDI E-FIELD
2284.0	90.27	81.88	1734.8	190.7	595.0	190.7	2.28	624.9	72.23	SDI E-FIELD
2316.0	90.24	83.76	1734.6	194.7	626.8	194.7	5.88	656.3	72.74	SDI E-FIELD
2348.0	91.92	81.84	1734.0	198.7	658.5	198.7	7.97	687.9	73.21	SDI E-FIELD
2380.0	93.06	81.67	1732.6	203.3	690.2	203.3	3.60	719.5	73.59	SDI E-FIELD
2411.0	91.88	79.86	1731.3	208.3	720.7	208.3	6.97	750.2	73.88	SDI E-FIELD
2443.0	90.71	78.49	1730.6	214.3	752.2	214.3	5.63	782.1	74.10	SDI E-FIELD
2475.0	88.86	75.86	1730.7	221.4	783.4	221.4	10.05	814.0	74.22	SDI E-FIELD
2507.0	87.54	74.26	1731.7	229.6	814.3	229.6	6.48	846.0	74.25	SDI E-FIELD
2538.0	87.88	73.20	1732.9	238.3	844.0	238.3	3.59	877.0	74.23	SDI E-FIELD
2570.0	87.88	72.52	1734.1	247.7	874.6	247.7	2.12	909.0	74.18	SDI E-FIELD
2602.0	87.58	71.80	1735.4	257.5	905.0	257.5	2.44	940.9	74.11	SDI E-FIELD
2633.0	88.32	72.26	1736.5	267.1	934.5	267.1	2.81	971.9	74.05	SDI E-FIELD
2664.0	90.67	73.26	1736.8	276.3	964.1	276.3	8.24	1002.9	74.01	SDI E-FIELD
2695.0	92.29	73.48	1736.0	285.2	993.8	285.2	5.27	1033.9	73.99	SDI E-FIELD
2727.0	92.05	74.12	1734.8	294.1	1024.5	294.1	2.13	1065.8	73.98	SDI E-FIELD
2758.0	90.20	75.38	1734.2	302.2	1054.4	302.2	7.22	1096.8	74.01	SDI E-FIELD
2790.0	89.73	76.44	1734.2	310.0	1085.4	310.0	3.62	1128.8	74.06	SDI E-FIELD
2821.0	88.52	77.66	1734.7	317.0	1115.6	317.0	5.54	1159.8	74.14	SDI E-FIELD
2853.0	87.68	78.91	1735.7	323.5	1146.9	323.5	4.70	1191.7	74.25	SDI E-FIELD
2884.0	89.73	79.55	1736.4	329.2	1177.4	329.2	6.93	1222.5	74.38	SDI E-FIELD
2916.0	90.24	79.06	1736.4	335.2	1208.8	335.2	2.21	1254.4	74.50	SDI E-FIELD
2948.0	89.09	80.80	1736.6	340.8	1240.3	340.8	6.52	1286.3	74.64	SDI E-FIELD
2980.0	90.40	80.31	1736.8	346.0	1271.9	346.0	4.37	1318.1	74.78	SDI E-FIELD
3011.0	91.85	79.71	1736.1	351.4	1302.4	351.4	5.06	1349.0	74.90	SDI E-FIELD
3043.0	92.46	79.38	1734.9	357.2	1333.8	357.2	2.17	1380.9	75.01	SDI E-FIELD
3074.0	91.65	80.62	1733.8	362.6	1364.4	362.6	4.78	1411.7	75.12	SDI E-FIELD
3105.0	89.70	79.99	1733.5	367.8	1394.9	367.8	6.61	1442.6	75.23	SDI E-FIELD
3137.0	87.31	80.55	1734.3	373.2	1426.4	373.2	7.67	1474.5	75.34	SDI E-FIELD
3167.0	87.74	79.73	1735.6	378.4	1456.0	378.4	3.08	1504.3	75.43	SDI E-FIELD
3218.0	87.74	79.73	1737.6	387.4	1506.1	387.4	0.00	1555.1	75.57	PROJECTED DEPTH



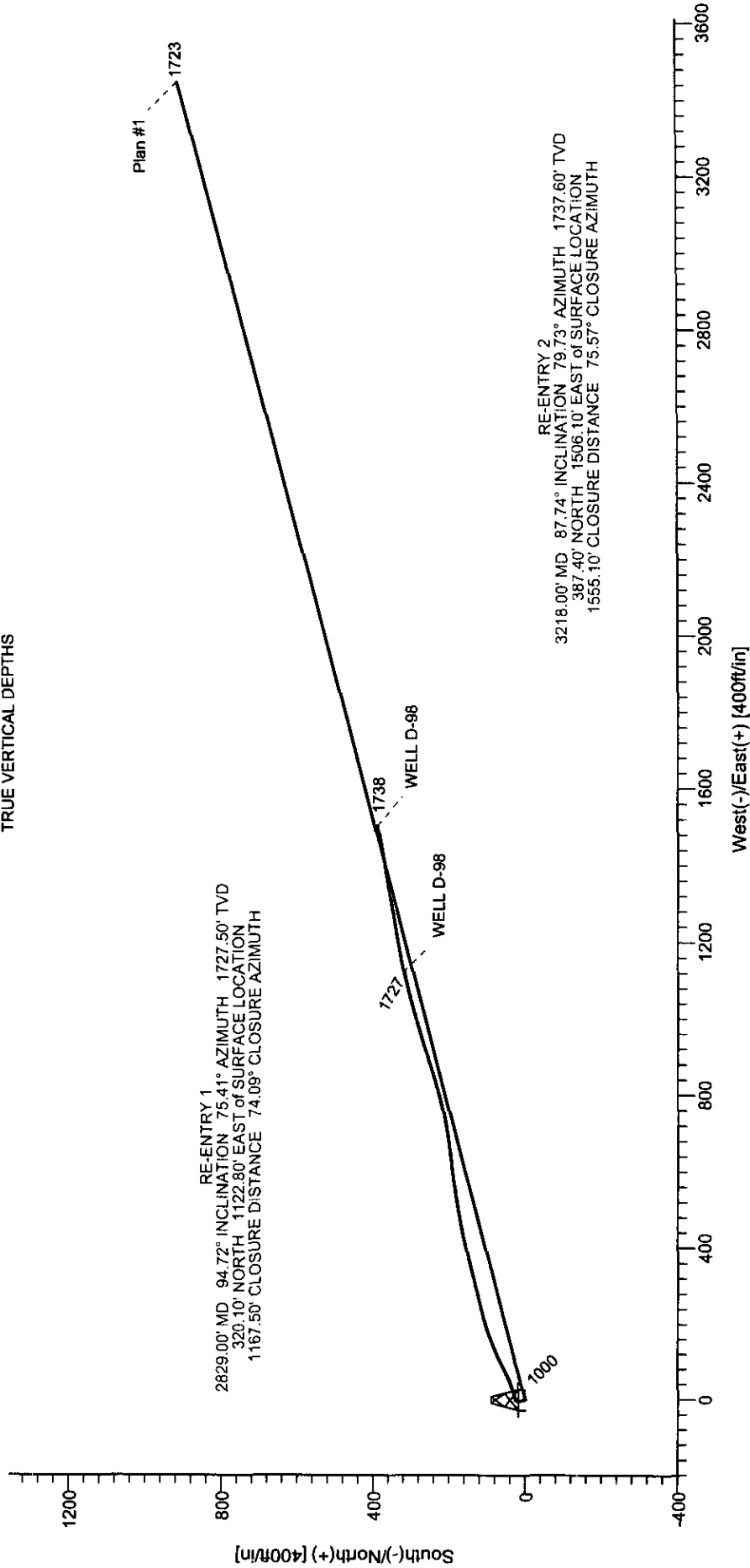
Scientific Drilling

EL PASO PRODUCTION

RATON WELL D-98
RE-ENTRY 1 AND 2
VERMEJO FIELD, NEW MEXICO



ALL DEPTHS SHOWN ARE
TRUE VERTICAL DEPTHS



Azimuths to Grid North
True North 0.47°
Magnetic North 9.79°
Magnetic Field
Strength 51.71 Emt
Dip Angle 64.20°
Date 7/1/2006
Model igr2005

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
WELL D-98	0.0	0.0	2136079.74	269741.17	36°52'04.134N	105°07'13.758W	N/A

July 31, 2006
Scientific Drilling
281.443.4600



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EL PASO PRODUCTION



RATON WELL D-98
RE-ENTRY 1 AND 2
VERMEJO FIELD, NEW MEXICO

ALL DEPTHS SHOWN ARE
MEASURED DEPTHS

