

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

WELL API NO. 30-007-20134
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 23X
9. OGRID Number 180514
10. Pool name or Wildcat Stubblefield Canyon - Vermejo Gas

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 TO DRILL" FORM C-103 FOR SUCH
PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other **Side Track - CBM**

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 **L** : **1018** feet from the **South** line and **761** feet from the **East** line
Section **32** Township **32N** Range **20E** **NMPM** **Colfax** County
Bottom Hole Location: Unit M, Sec 32, T 32N, R 20E, 641' FSL, 275' FWL, Colfax

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
8,037' (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:		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.

10/13/06 MIRU Key Rig. LD rods, tubing, and pump. Made a scraper run.
10/15/06 Set whipstock. Start milling window from 2024' - 2030'.
10/18/06 Pense Rig #12 Drill 4 3/4" horizontal lateral to 3287' TMD, 2178' TVD.
To 10/21/06 (See attachment for surveys.)
10/21/06 Circulate and clean hole. Run 3 1/2" perforated liner. Top of liner at 2057'. Bottom of liner at 3212'.
10/25/06 Retrieve whip stock. Clean out well bore with air unit to PBD at 2317'.
10/26/06 THH with 2 7/8" production tubing, rods, and insert pump.
11/09/06 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 NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Shirley Mitchell TITLE Regulatory Analyst DATE 12/06/06
Type or print name Shirley 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 12-11-06
Conditions of Approval (if any): _____



Scientific Drilling Houston

Final Survey Report

el paso Production

Company: EL PASO PRODUCTION		Date: 10/26/2006	Time: 10:07:28	Page: 1
Field: VERMEJO FIELD, NEW MEXICO		Co-ordinate(NE) Reference: Well: WELL A 23X, Grid North		
Site: RATON (A23X)		Vertical (TVD) Reference: SITE 0.0		
Well: WELL A 23X		Section (VS) Reference: Well (0.00N,0.00E,170.14Azi)		
Wellpath: LATERAL		Survey Calculation Method: Minimum Curvature Db: Sybase		

Field: VERMEJO FIELD, NEW MEXICO COLFAX COUNTY		
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone	
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre	
Sys Datum: Mean Sea Level	Geomagnetic Model: igrf2005	

Site: RATON (A23X)		
Site Position:	Northing: 2170171.42 ft	Latitude: 36 57 46.668 N
From: Geographic	Easting: 350446.00 ft	Longitude: 104 50 42.834 W
Position Uncertainty: 0.0 ft		North Reference: Grid
Ground Level: 8037.0 ft		Grid Convergence: -0.31 deg

Well: WELL A 23X		Slot Name:	
Well Position:	+N/-S 0.0 ft	Northing: 2170171.42 ft	Latitude: 36 57 46.668 N
	+E/-W 0.0 ft	Easting: 350446.00 ft	Longitude: 104 50 42.834 W
Position Uncertainty: 0.0 ft			

Wellpath: LATERAL		Drilled From: Surface	
Current Datum: SITE	Height 0.0 ft	Tie-on Depth: 0.0 ft	
Magnetic Data: 10/11/2006		Above System Datum: Mean Sea Level	
Field Strength: 51779 nT		Declination: 9.16 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 64.32 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.0	0.0	0.0	170.14

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	0.28	90.93	100.0	0.0	0.2	0.0	0.28	0.2	90.93	SDI GYRO
200.0	0.78	130.77	200.0	-0.5	1.0	0.6	0.59	1.1	114.25	SDI GYRO
300.0	1.06	145.19	300.0	-1.7	2.0	2.0	0.36	2.6	128.97	SDI GYRO
400.0	1.34	144.50	400.0	-3.4	3.3	3.9	0.28	4.7	135.98	SDI GYRO
500.0	1.73	142.35	499.9	-5.5	4.9	6.3	0.39	7.3	138.64	SDI GYRO
600.0	2.25	142.94	599.9	-8.3	7.0	9.3	0.52	10.8	139.93	SDI GYRO
700.0	2.64	144.13	699.8	-11.7	9.5	13.2	0.39	15.1	140.97	SDI GYRO
800.0	2.22	145.65	799.7	-15.2	11.9	17.0	0.42	19.3	141.81	SDI GYRO
900.0	2.01	138.94	899.6	-18.1	14.2	20.3	0.32	23.0	141.92	SDI GYRO
1000.0	1.72	136.57	999.6	-20.5	16.4	23.0	0.30	26.2	141.41	SDI GYRO
1100.0	1.75	142.79	1099.5	-22.8	18.3	25.6	0.19	29.3	141.24	SDI GYRO
1200.0	1.69	147.01	1199.5	-25.3	20.0	28.3	0.14	32.3	141.57	SDI GYRO
1300.0	1.69	142.73	1299.4	-27.7	21.7	31.0	0.13	35.2	141.85	SDI GYRO
1400.0	1.93	142.53	1399.4	-30.2	23.7	33.8	0.24	38.4	141.91	SDI GYRO
1500.0	1.88	141.06	1499.3	-32.8	25.7	36.7	0.07	41.7	141.90	SDI GYRO
1600.0	1.26	141.17	1599.3	-34.9	27.4	39.1	0.62	44.4	141.86	SDI GYRO
1700.0	1.24	138.66	1699.3	-36.6	28.8	41.0	0.06	46.6	141.76	SDI GYRO
1800.0	1.20	142.74	1799.2	-38.2	30.2	42.9	0.10	48.7	141.72	SDI GYRO
1900.0	1.10	141.79	1899.2	-39.8	31.4	44.6	0.10	50.7	141.74	SDI GYRO
1987.0	1.01	127.04	1986.2	-41.0	32.5	45.9	0.33	52.3	141.53	SDI GYRO
2060.0	14.03	142.25	2058.4	-48.4	38.5	54.2	17.89	61.8	141.48	SDI E-FIELD
2092.0	28.75	142.78	2088.1	-57.6	45.6	64.6	46.00	73.5	141.66	SDI E-FIELD
2123.0	43.32	139.59	2113.1	-71.7	57.0	80.4	47.37	91.6	141.51	SDI E-FIELD
2152.0	56.33	147.89	2131.8	-89.6	70.0	100.3	49.84	113.7	142.02	SDI E-FIELD
2184.0	67.07	159.32	2147.0	-114.8	82.3	127.2	45.93	141.3	144.36	SDI E-FIELD
2215.0	74.73	161.12	2157.1	-142.4	92.2	156.1	25.31	169.6	147.07	SDI E-FIELD
2247.0	78.29	168.05	2164.6	-172.3	100.5	187.0	23.81	199.5	149.76	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report



Company: EL PASO PRODUCTION
Field: VERMEJO FIELD, NEW MEXICO
Site: RATON (A23X)
Well: WELL A 23X
Wellpath: LATERAL

Date: 10/26/2006 Time: 10:07:28 Page: 2
Co-ordinate(NE) Reference: Well: WELL A 23X, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,170.14Azi)
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
2278.0	79.97	175.53	2170.5	-202.5	104.8	217.4	24.31	228.0	152.63	SDI E-FIELD
2310.0	80.62	175.97	2175.9	-233.9	107.1	248.8	2.44	257.3	155.39	SDI E-FIELD
2341.0	81.75	176.47	2180.6	-264.5	109.2	279.3	3.98	286.1	157.57	SDI E-FIELD
2372.0	83.34	176.85	2184.6	-295.2	110.9	309.8	5.27	315.3	159.40	SDI E-FIELD
2404.0	88.29	176.95	2187.0	-327.0	112.7	341.5	15.47	345.9	160.99	SDI E-FIELD
2435.0	89.06	177.91	2187.7	-358.0	114.1	372.2	3.97	375.7	162.33	SDI E-FIELD
2466.0	91.81	178.90	2187.5	-389.0	114.9	402.9	9.43	405.6	163.54	SDI E-FIELD
2498.0	92.55	174.39	2186.2	-420.9	116.8	434.7	14.27	436.8	164.49	SDI E-FIELD
2529.0	92.65	173.15	2184.8	-451.7	120.2	465.6	4.01	467.4	165.10	SDI E-FIELD
2560.0	88.32	173.05	2184.6	-482.4	123.9	496.5	13.97	498.1	165.60	SDI E-FIELD
2591.0	89.50	172.96	2185.2	-513.2	127.7	527.5	3.82	528.8	166.03	SDI E-FIELD
2622.0	90.10	174.61	2185.3	-544.0	131.0	558.4	5.66	559.6	166.46	SDI E-FIELD
2654.0	91.78	174.62	2184.7	-575.9	134.0	590.3	5.25	591.2	166.90	SDI E-FIELD
2685.0	88.93	174.81	2184.6	-606.7	136.9	621.2	9.21	622.0	167.29	SDI E-FIELD
2717.0	88.19	174.12	2185.4	-638.6	140.0	653.1	3.16	653.7	167.64	SDI E-FIELD
2748.0	90.77	174.20	2185.6	-669.4	143.1	684.0	8.33	684.5	167.93	SDI E-FIELD
2780.0	90.94	174.79	2185.2	-701.2	146.2	715.9	1.92	716.3	168.23	SDI E-FIELD
2811.0	89.33	172.48	2185.1	-732.1	149.6	746.9	9.08	747.2	168.45	SDI E-FIELD
2843.0	88.99	172.89	2185.6	-763.8	153.7	778.8	1.66	779.1	168.62	SDI E-FIELD
2874.0	89.06	174.04	2186.1	-794.6	157.2	809.8	3.72	810.0	168.81	SDI E-FIELD
2905.0	91.14	173.89	2186.0	-825.4	160.5	840.7	6.73	840.9	169.00	SDI E-FIELD
2936.0	91.51	173.77	2185.3	-856.2	163.8	871.6	1.25	871.7	169.17	SDI E-FIELD
2968.0	92.65	173.03	2184.2	-888.0	167.5	903.6	4.25	903.6	169.32	SDI E-FIELD
3000.0	92.28	170.72	2182.8	-919.6	172.0	935.5	7.30	935.6	169.41	SDI E-FIELD
3031.0	89.90	169.08	2182.2	-950.1	177.4	966.5	9.32	966.6	169.42	SDI E-FIELD
3063.0	91.92	168.13	2181.7	-981.5	183.8	998.5	6.98	998.6	169.40	SDI E-FIELD
3094.0	93.05	168.31	2180.3	-1011.8	190.1	1029.4	3.69	1029.5	169.36	SDI E-FIELD
3125.0	89.33	166.70	2179.7	-1042.1	196.8	1060.4	13.07	1060.5	169.31	SDI E-FIELD
3157.0	87.99	166.59	2180.4	-1073.2	204.2	1092.3	4.20	1092.5	169.23	SDI E-FIELD
3188.0	90.47	167.26	2180.9	-1103.4	211.2	1123.3	8.29	1123.4	169.17	SDI E-FIELD
3220.0	90.81	166.76	2180.5	-1134.6	218.4	1155.2	1.89	1155.4	169.11	SDI E-FIELD
3251.0	92.15	166.12	2179.7	-1164.7	225.6	1186.1	4.79	1186.4	169.04	SDI E-FIELD
3287.0	92.15	166.12	2178.3	-1199.6	234.3	1222.0	0.00	1222.3	168.95	PROJECTED DEPTH

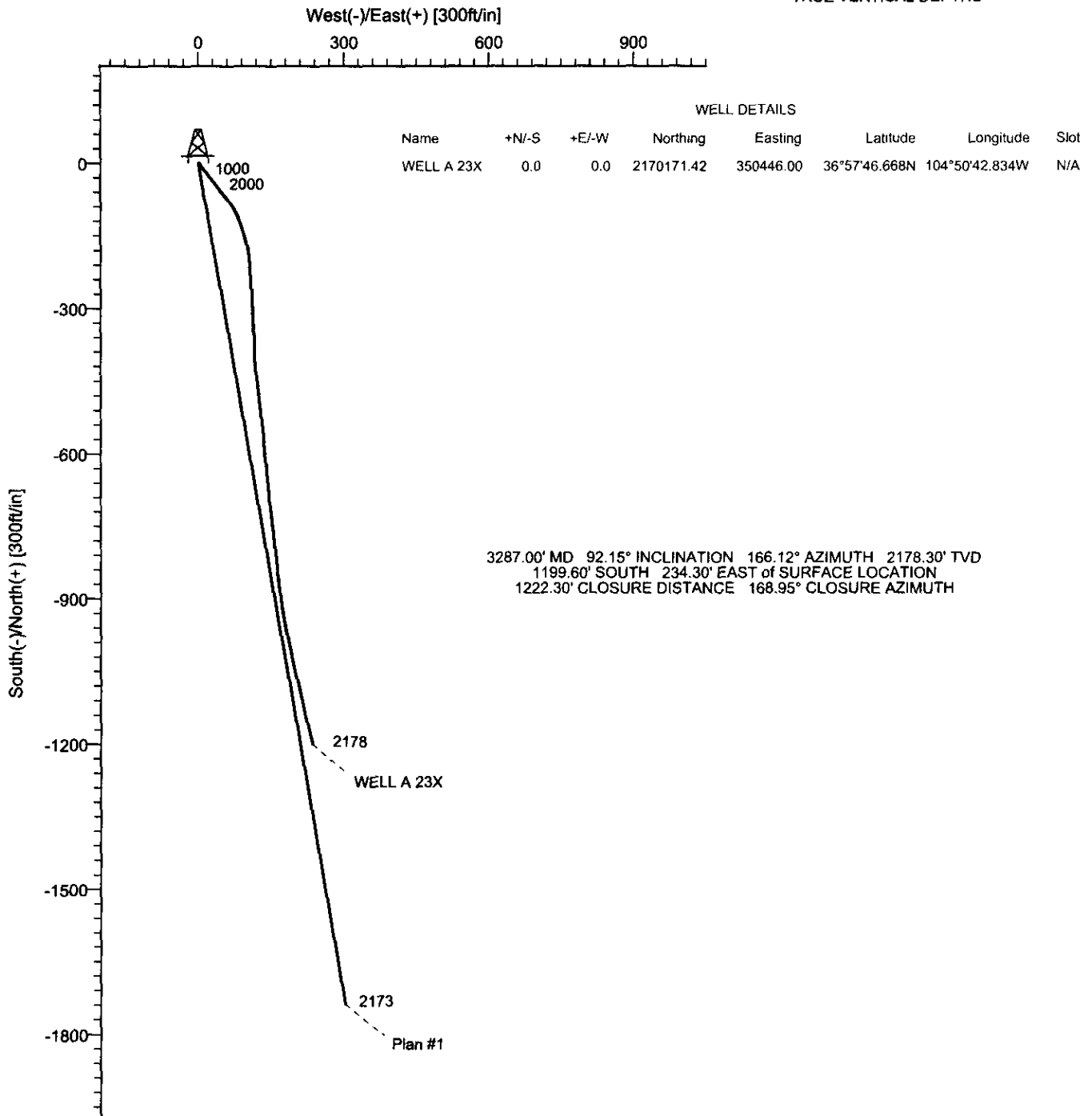
EL PASO PRODUCTION



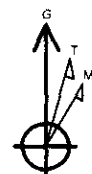
RATON WELL A 23X
VERMEJO FIELD, NEW MEXICO
LATERAL



ALL DEPTHS SHOWN ARE
TRUE VERTICAL DEPTHS



October 26, 2006
Scientific Drilling
281.443.4600



Azimuths to Grid North
True North: 0.31°
Magnetic North: 9.47°
Magnetic Field
Strength: 51779nT
Dip Angle: 64.32°
Date: 10/11/2006
Model: igr2005