

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
1006 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

2005 DEC 8 PM 2:33

WELL API NO. 30-007-20404
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 110
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" (FORM C-101) 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 **B** : **1086** feet from the **North** line and **1983** feet from the **East** line
Section **32** Township **32N** Range **20E** **NMPM** **Colfax** County

Bottom Hole Location: Unit **G**, Sec **28**, T **32N**, R **19E**, **1854' FNL**, **2226' FEL**, **Colfax**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
8,536' (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.

10/21/06 MIRU Key Rig. LD rods, tubing, and pump. Made a scraper run.

10/24/06 Set whipstock. Start milling window from 1347' - 1353'.

10/25/06 Pense Rig #12 Drill 4 3/4" horizontal lateral to 2201' TMD, 1504' TVD.

To 10/30/06 (See attachment for surveys.)

11/01/06 Circulate and clean hole. Run 3 1/2" perforated liner. Top of liner at 1362'. Bottom of liner at 1659'.

11/07/06 Retrieve whip stock. Clean out well bore with air unit to PBTD at 2830'.

11/09/06 TIIH with 2 7/8" production tubing, rods, and insert pump.

11/27/06 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 Regular 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:	11/13/2006	Time:	12:56:26	Page:	1
Field:	VERMEJO FIELD, NEW MEXICO	Co-ordinate(NE) Reference:	Well: WELL A-110, Grid North				
Site:	RATON (A110)	Vertical (TVD) Reference:	SITE 0.0				
Well:	WELL A-110	Section (VS) Reference:	Well (0.00N,0.00E,199.09Azi)				
Wellpath:	LATERAL	Survey Calculation Method:	Minimum Curvature Db: Sybase				

Field: VERMEJO FIELD, NEW MEXICO
COLFAX COUNTY

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 (A110)

COLFAX COUNTY, NEW MEXICO

Site Position:	Geographic	Northing:	2177943.42 ft	Latitude:	36 59 2.200 N
From:	Geographic	Easting:	327407.51 ft	Longitude:	104 55 27.300 W
Position Uncertainty:	0.0 ft	North Reference:	Grid	Grid Convergence:	-0.36 deg
Ground Level:	8536.0 ft				

Well: WELL A-110

Slot Name:

Well Position:	+N/-S	0.0 ft	Northing:	2177943.42 ft	Latitude:	36 59 2.200 N
	+E/-W	0.0 ft	Easting:	327407.51 ft	Longitude:	104 55 27.300 W
Position Uncertainty:	0.0 ft					

Wellpath: LATERAL

Current Datum:	SITE	Height	0.0 ft	Drilled From:	Surface
Magnetic Data:	10/20/2006			Tie-on Depth:	0.0 ft
Field Strength:	51779 nT			Above System Datum:	Mean Sea Level
Vertical Section:	Depth From (TVD)	+N/-S		Declination:	9.20 deg
	ft	ft		Mag Dip Angle:	64.33 deg
				+E/-W	Direction
				ft	deg
	0.0	0.0		0.0	199.09

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	0.54	254.00	100.0	-0.1	-0.5	0.3	0.54	0.5	254.00	SDI GYRO
200.0	1.36	229.58	200.0	-1.0	-1.8	1.6	0.90	2.1	240.37	SDI GYRO
300.0	1.94	196.46	299.9	-3.4	-3.2	4.3	1.09	4.7	223.01	SDI GYRO
400.0	2.22	190.79	399.9	-6.9	-4.0	7.9	0.35	8.0	210.14	SDI GYRO
500.0	2.10	189.59	499.8	-10.7	-4.7	11.6	0.13	11.6	203.81	SDI GYRO
600.0	1.89	192.97	599.7	-14.1	-5.4	15.1	0.24	15.1	200.92	SDI GYRO
700.0	1.91	190.56	699.7	-17.3	-6.1	18.3	0.08	18.3	199.27	SDI GYRO
800.0	2.10	193.20	799.6	-20.7	-6.8	21.8	0.21	21.8	198.10	SDI GYRO
900.0	2.18	193.62	899.6	-24.4	-7.6	25.5	0.08	25.5	197.41	SDI GYRO
1000.0	1.60	220.35	999.5	-27.3	-9.0	28.7	1.04	28.7	198.25	SDI GYRO
1100.0	1.43	232.71	1099.5	-29.1	-10.9	31.1	0.37	31.1	200.52	SDI GYRO
1200.0	1.01	205.06	1199.5	-30.7	-12.3	33.0	0.71	33.0	201.79	SDI GYRO
1300.0	0.39	126.44	1299.4	-31.7	-12.4	34.0	1.01	34.0	201.32	SDI GYRO
1333.3	0.63	136.50	1332.8	-31.9	-12.1	34.1	0.77	34.1	200.86	SDI GYRO
1401.0	20.34	203.16	1399.0	-43.1	-16.6	46.1	29.69	46.1	201.03	SDI E-FIELD
1430.0	30.04	203.75	1425.2	-54.4	-21.5	58.4	33.46	58.5	201.55	SDI E-FIELD
1461.0	42.51	201.84	1450.2	-71.3	-28.5	76.7	40.39	76.8	201.82	SDI E-FIELD
1492.0	58.39	199.62	1469.8	-93.6	-36.9	100.5	51.52	100.6	201.53	SDI E-FIELD
1523.0	73.99	198.16	1482.3	-120.3	-46.0	128.8	50.50	128.8	200.94	SDI E-FIELD
1555.0	81.87	194.57	1489.0	-150.3	-54.8	160.0	26.95	160.0	200.04	SDI E-FIELD
1587.0	88.99	194.53	1491.6	-181.2	-62.8	191.8	22.25	191.8	199.13	SDI E-FIELD
1618.0	91.71	196.17	1491.4	-211.1	-71.0	222.7	10.25	222.7	198.60	SDI E-FIELD
1650.0	90.44	193.83	1490.8	-242.0	-79.3	254.6	8.32	254.6	198.15	SDI E-FIELD
1681.0	89.56	194.06	1490.8	-272.0	-86.8	285.5	2.93	285.6	197.70	SDI E-FIELD
1712.0	90.37	196.74	1490.8	-301.9	-95.0	316.4	9.03	316.5	197.47	SDI E-FIELD
1744.0	88.19	197.96	1491.2	-332.5	-104.6	348.4	7.81	348.5	197.46	SDI E-FIELD
1775.0	87.51	198.14	1492.4	-361.9	-114.2	379.4	2.27	379.5	197.51	SDI E-FIELD



Scientific Drilling Houston

Final Survey Report

el paso Production

Company: EL PASO PRODUCTION
Field: VERMEJO FIELD, NEW MEXICO
Site: RATON (A110)
Well: WELL A-110
Wellpath: LATERAL

Date: 11/13/2006 Time: 12:56:26 Page: 2
Co-ordinate(NE) Reference: Well: WELL A-110, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,199.09Azi)
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
1805.0	89.33	197.21	1493.2	-390.5	-123.3	409.3	6.81	409.5	197.52	SDI E-FIELD
1837.0	88.99	197.56	1493.6	-421.0	-132.8	441.3	1.52	441.5	197.51	SDI E-FIELD
1868.0	87.38	198.83	1494.6	-450.5	-142.5	472.3	6.61	472.5	197.56	SDI E-FIELD
1900.0	88.15	199.00	1495.9	-480.7	-152.9	504.3	2.46	504.4	197.64	SDI E-FIELD
1931.0	88.32	198.37	1496.8	-510.1	-162.8	535.3	2.10	535.4	197.70	SDI E-FIELD
1963.0	89.97	198.73	1497.3	-540.4	-173.0	567.2	5.28	567.4	197.75	SDI E-FIELD
1994.0	91.61	197.98	1496.9	-569.8	-182.7	598.2	5.82	598.4	197.78	SDI E-FIELD
2026.0	90.03	198.76	1496.4	-600.2	-192.8	630.2	5.51	630.4	197.81	SDI E-FIELD
2057.0	87.01	198.86	1497.2	-629.5	-202.8	661.2	9.75	661.4	197.86	SDI E-FIELD
2088.0	86.51	197.94	1499.0	-658.9	-212.6	692.2	3.37	692.3	197.88	SDI E-FIELD
2120.0	87.38	197.22	1500.7	-689.3	-222.2	724.1	3.53	724.3	197.87	SDI E-FIELD
2151.0	86.91	197.74	1502.2	-718.9	-231.5	755.1	2.26	755.2	197.85	SDI E-FIELD
2166.0	88.67	198.99	1502.8	-733.1	-236.3	770.0	14.39	770.2	197.86	SDI E-FIELD
2201.0	88.67	198.99	1503.6	-766.2	-247.6	805.0	0.00	805.2	197.91	PROJECTED DEPTH



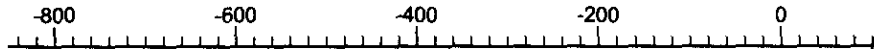
EL PASO PRODUCTION

RATON A-110
VERMEJO FIELD
NEW MEXICO
ST00BP00

el paso Production

ALL DEPTHS SHOWN ARE
TRUE VERTICAL DEPTHS

West(-)/East(+) [200ft/in]



WELL DETAILS

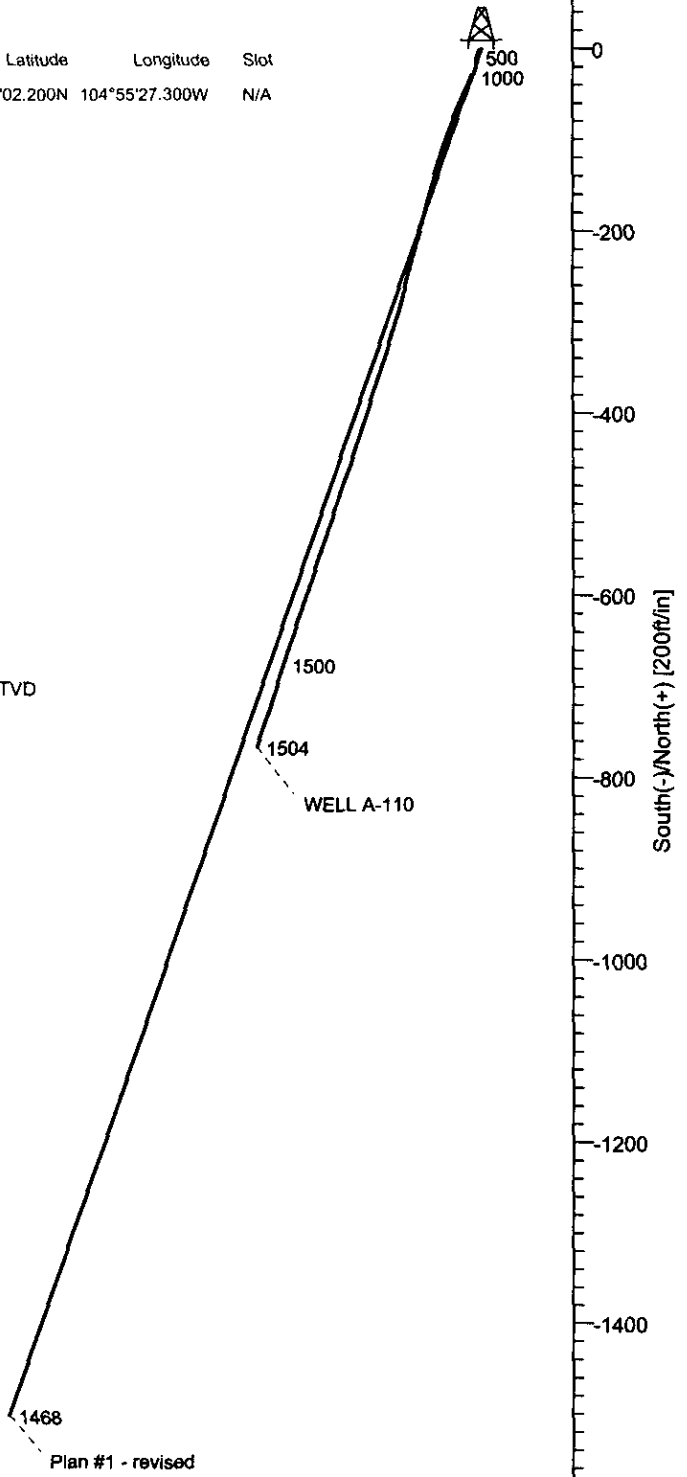
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
WELL A-110	0.0	0.0	2177943.42	327407.51	36°59'02.200N	104°55'27.300W	N/A



Azimuths to Grid North
True North 0.36°
Magnetic North 9.56°

Magnetic Field
Strength: 51.73nT
Dip Angle: 64.33°
Date: 10/20/2006
Model: iqr2005

2201.00' MD 88.67° INCLINATION 198.99° AZIMUTH 1503.60' TVD
766.20' SOUTH 247.60' EAST of SURFACE LOCATION
805.20' CLOSURE DISTANCE 197.91° CLOSURE AZIMUTH



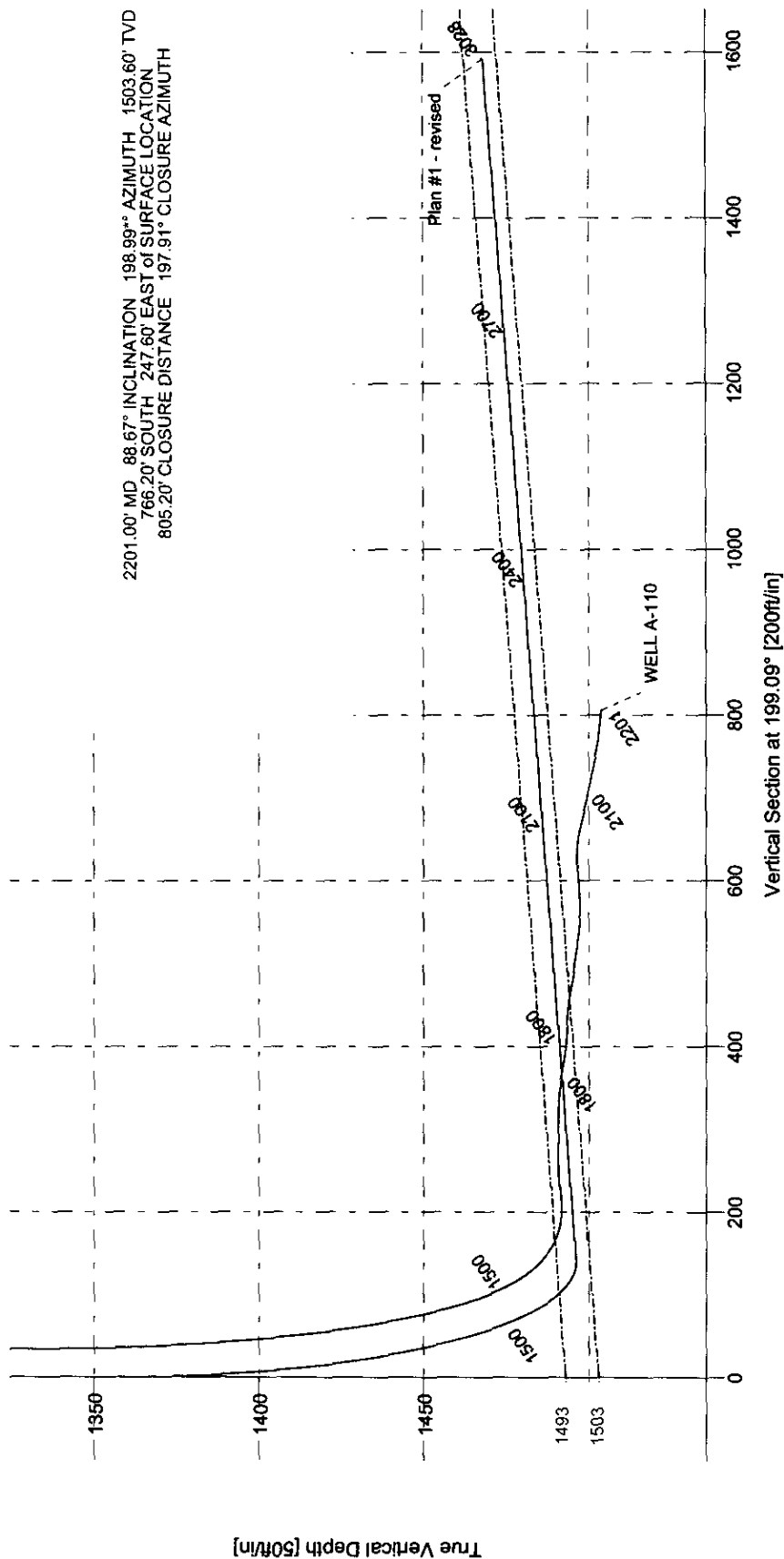


EL PASO PRODUCTION

RATON A-110
VERMEJO FIELD
NEW MEXICO
ST008P00



ALL DEPTHS SHOWN ARE
MEASURED DEPTHS



WELL PATH ADJUSTMENT TO ACCOMMODATE
GEOLOGICAL COAL SEAM CHANGES