

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170

District IV
1220 S. St Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

Submit one copy to
Appropriate District Office

☒ AMENDED REPORT

"As Drilled"
RCVD JUL 10 '12

OIL CONS. DIV.
DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-27491		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 380
*OGRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC		*Elevation 6706'

10 Surface Location

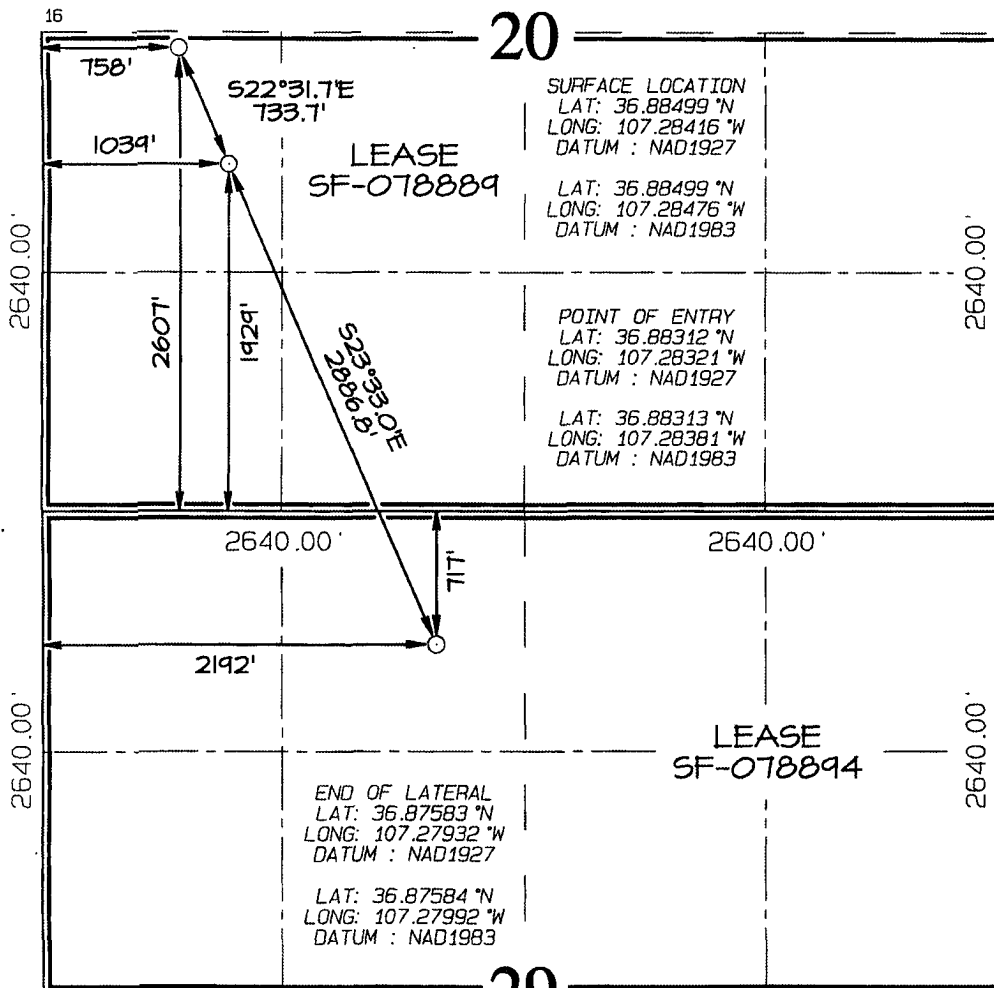
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	20	31N	4W		2607	SOUTH	758	WEST	RIO ARRIBA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	29	31N	4W		717	NORTH	2192	WEST	RIO ARRIBA

¹² Dedicated Acres 640.0 Acres S/2 - Section 20 N/2 - Section 29		¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13491/31,571.92 acres
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Cary Higgins Date 7-10-12

Larry Higgins

Printed Name _____

Larry.higgins@wpxenergy.com

E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

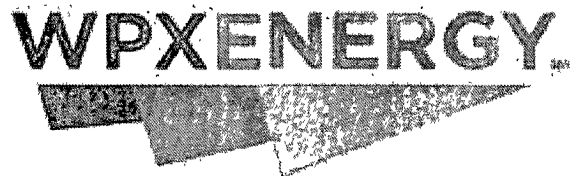
Date Revised: JULY 9, 2012
Date of Survey: MAY 12, 2001

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269



30-039-27491

Rosa Unit 380
ST01
Sec 20 T31N R04W
Rio Arriba Co., NM

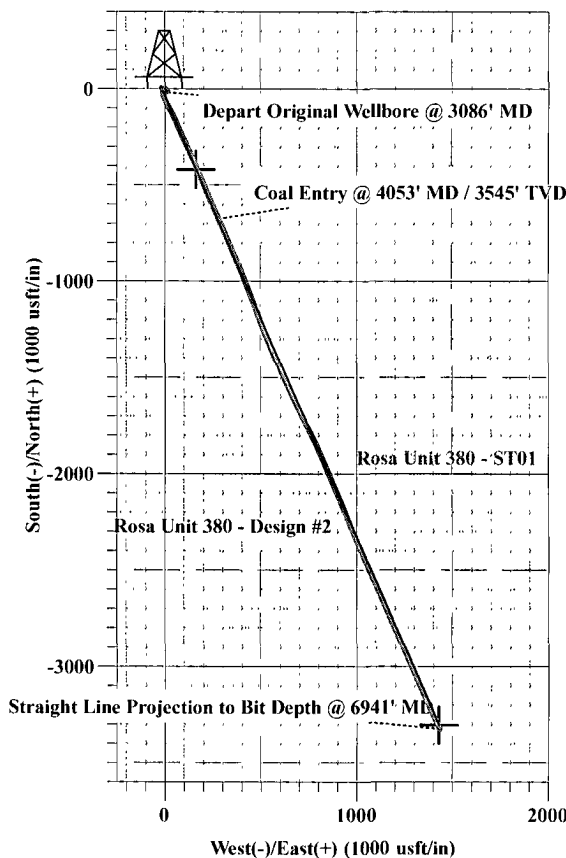
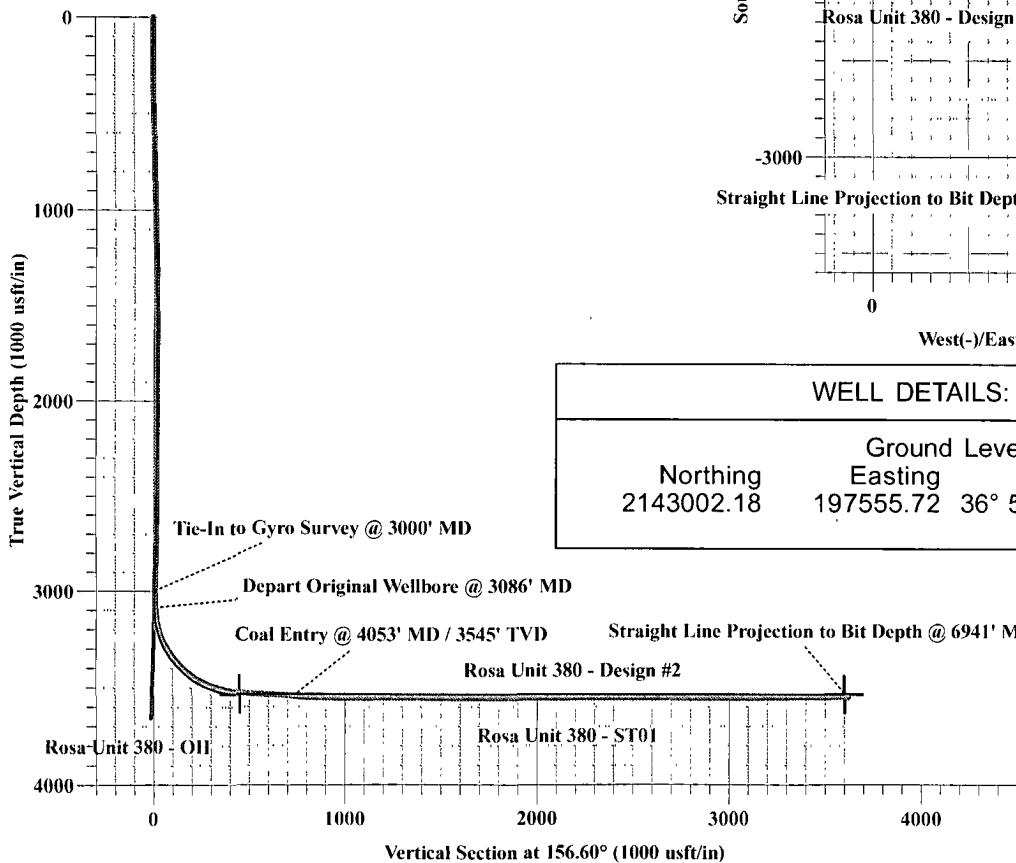
PATHFINDER
A Schlumberger Company

GE: 6706' / KB: 14'

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
BHL 380	3536.0	-3305.8	1430.4	2139681.03	198950.22	Point
Land 380	3536.0	-420.0	163.2	2142580.44	197714.36	Point

EOW
No Hardlines
Crossed



WELL DETAILS: Rosa Unit 380

Ground Level: 6706.0		Latitude	
Northing	Easting	Longitude	
2143002.18	197555.72	36° 53' 5.964 N	107° 17' 2.976 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
3000.0	1.20	297.65	2999.5	-13.3	-10.9	0.00	0.00	7.9	
3084.0	1.19	315.82	3083.5	-12.3	-12.3	0.45	100.58	6.4	
3789.9	90.00	156.29	3536.0	-420.0	163.2	12.91	-159.52	450.2	
6941.7	90.00	156.29	3536.0	-3305.8	1430.4	0.00	0.00	3602.0	BHL 380

Plan: Design #2 (Rosa Unit 380/ST01)

Created By: Breck Enoch

Date: 05-Jul-2012

WPXENERGY



WPXEnergy

Rio Arriba Co., NM
Sec 20 T31N R04W
Rosa Unit 380

ST01

Design: ST01

Standard Survey Report

05 July, 2012

PATHFINDER
A Schlumberger Company

Company:	WPXEnergy	Local Co-ordinate Reference:	Well Rosa Unit 380
Project:	Rio Arriba Co NM	TVD Reference:	WELL @ 6720 0usft (Original Well Elev)
Site:	Sec 20 T31N R04W	MD Reference:	WELL @ 6720 0usft (Original Well Elev)
Well:	Rosa Unit 380	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000 1 Single User Db

Project	Rio Arriba Co NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico Central 3002		

Site	Sec 20 T31N R04W		
Site Position:		Northing:	2,143,002 18 usft
From:	Lat/Long	Easting:	197,555 72 usft
Position Uncertainty:	0 0 usft	Slot Radius:	13-3/16 "
		Latitude:	36° 53' 5 964 N
		Longitude:	107° 17' 2 976 W
		Grid Convergence:	-0.62 °

Well	Rosa Unit 380		
Well Position	+N/-S	0 0 usft	Northing: 2,143,002 18 usft
	+E/-W	0.0 usft	Easting: 197,555.72 usft
Position Uncertainty	0 0 usft	Wellhead Elevation:	usft
		Latitude:	36° 53' 5 964 N
		Longitude:	107° 17' 2 976 W
		Ground Level:	6,706 0 usft

Wellbore	ST01		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	05/15/12	9 60
			Dip Angle (°)
			63.65
			Field Strength (nT)
			50,788

Design	ST01		
Audit Notes:			
Version:	1 0	Phase:	ACTUAL
		Tie On Depth:	3,000 0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0 0	0 0	0 0
			Direction (°)
			156 66

Survey Program	Date 07/05/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
200 0	3,000.0	Survey #1 (OH)	NS-GYRO-MS
3,162 0	6,941 0	Survey #1 (ST01)	MWD
			Description
			North sensing gyrocompassing m/s
			MWD - Standard

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0 0	0 00	0 00	0.0	0 0	0 0	0.0	0 00	0 00	0 00	
200 0	0 46	96 14	200 0	-0 1	0 8	0.4	0 23	0 23	0 00	
400.0	0 84	138 13	400 0	-1 3	2 6	2 2	0 29	0 19	21 00	
600 0	1 03	141 63	600 0	-3 8	4 7	5.3	0 10	0 10	1 75	
800 0	0 92	140 56	799 9	-6.4	6 8	8 6	0 06	-0 06	-0 54	
1,000 0	1 02	144 60	999 9	-9 1	8.9	11 9	0 06	0 05	2 02	
1,200 0	0 98	143 63	1,199 9	-11 9	10 9	15 3	0 02	-0 02	-0 49	
1,400 0	0 55	136 57	1,399 9	-14 0	12 6	17.8	0 22	-0 22	-3 53	
1,600 0	0 25	90 67	1,599 8	-14 7	13 7	18 9	0 21	-0 15	-22 95	
1,800 0	0 24	334 72	1,799 8	-14 3	13 9	18 7	0 21	-0 01	-57 98	

Company:	WPXEnergy	Local Co-ordinate Reference:	Well Rosa Unit 380
Project:	Rio Arriba Co., NM	TVD Reference:	WELL @ 6720' 0usft (Original Well Elev)
Site:	Sec 20 T31N R04W	MD Reference:	WELL @ 6720' 0usft (Original Well Elev)
Well:	Rosa Unit 380	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000 1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
2,000.0	0.44	290.19	1,999.8	-13.7	13.0	17.7	0.16	0.10	-22.27	
2,200.0	0.74	248.89	2,199.8	-13.9	11.1	17.2	0.25	0.15	-20.65	
2,400.0	1.60	261.72	2,399.8	-14.8	7.1	16.4	0.45	0.43	6.42	
2,600.0	1.99	266.42	2,599.7	-15.4	0.9	14.5	0.21	0.20	2.35	
2,800.0	1.89	281.23	2,799.6	-15.0	-5.8	11.4	0.25	-0.05	7.41	
3,000.0	1.20	297.65	2,999.5	-13.3	-10.9	7.9	0.41	-0.35	8.21	
3,086.0	4.78	171.29	3,085.4	-16.5	-11.1	10.7	6.48	4.16	-146.93	
Depart Original Wellbore @ 3086' MD										
3,162.0	9.67	166.20	3,160.8	-25.8	-9.1	20.1	6.48	6.43	-6.70	
3,193.0	13.54	167.09	3,191.1	-31.9	-7.7	26.2	12.50	12.48	2.87	
3,225.0	18.91	164.11	3,221.9	-40.5	-5.4	35.0	16.98	16.78	-9.31	
3,257.0	23.92	158.23	3,251.6	-51.5	-1.6	46.7	17.01	15.66	-18.38	
3,289.0	29.02	152.16	3,280.3	-64.4	4.4	60.9	18.02	15.94	-18.97	
3,320.0	33.68	150.49	3,306.8	-78.6	12.2	77.0	15.29	15.03	-5.39	
3,352.0	36.93	150.43	3,332.9	-94.7	21.3	95.3	10.16	10.16	-0.19	
3,384.0	39.75	151.20	3,358.0	-112.0	31.0	115.1	8.94	8.81	2.41	
3,415.0	43.53	153.89	3,381.1	-130.3	40.4	135.6	13.49	12.19	8.68	
3,448.0	47.57	155.93	3,404.2	-151.6	50.4	159.2	13.01	12.24	6.18	
3,479.0	51.97	157.05	3,424.3	-173.3	59.8	182.8	14.46	14.19	3.61	
3,511.0	55.75	157.14	3,443.1	-197.1	69.9	208.7	11.81	11.81	0.28	
3,542.0	59.62	155.55	3,459.7	-221.1	80.4	234.9	13.21	12.48	-5.13	
3,574.0	64.10	155.31	3,474.8	-246.7	92.1	263.1	14.02	14.00	-0.75	
3,606.0	69.56	155.27	3,487.4	-273.5	104.4	292.5	17.06	17.06	-0.13	
3,638.0	72.81	155.52	3,497.7	-301.0	117.0	322.7	10.18	10.16	0.78	
3,670.0	75.01	155.46	3,506.6	-329.0	129.8	353.5	6.88	6.88	-0.19	
3,702.0	77.38	155.21	3,514.2	-357.2	142.8	384.5	7.45	7.41	-0.78	
3,733.0	79.23	155.68	3,520.5	-384.8	155.4	414.9	6.15	5.97	1.52	
3,765.0	82.75	156.43	3,525.5	-413.7	168.2	446.5	11.24	11.00	2.34	
3,797.0	83.98	157.06	3,529.2	-442.9	180.8	478.3	4.31	3.84	1.97	
3,829.0	85.91	157.31	3,532.0	-472.3	193.1	510.1	6.08	6.03	0.78	
3,860.0	87.14	157.33	3,533.9	-500.8	205.0	541.1	3.97	3.97	0.06	
3,892.0	88.37	157.27	3,535.1	-530.3	217.4	573.1	3.85	3.84	-0.19	
3,912.0	89.34	157.52	3,535.5	-548.8	225.1	593.1	5.01	4.85	1.25	
3,976.0	85.91	156.62	3,538.2	-607.7	250.0	657.0	5.54	-5.36	-1.41	
4,039.0	83.45	155.70	3,544.0	-665.0	275.3	719.7	4.17	-3.90	-1.46	
4,053.0	84.14	155.70	3,545.5	-677.7	281.1	733.6	4.94	4.94	-0.02	
Coal Entry @ 4053' MD / 3545' TVD										
4,103.0	86.61	155.69	3,549.6	-723.1	301.6	783.4	4.94	4.94	-0.02	
4,166.0	88.90	156.54	3,552.0	-780.7	327.1	846.4	3.88	3.63	1.35	
4,230.0	89.43	156.76	3,553.0	-839.5	352.4	910.4	0.90	0.83	0.34	
4,293.0	89.69	156.97	3,553.5	-897.4	377.2	973.4	0.53	0.41	0.33	
4,356.0	90.40	157.58	3,553.4	-955.5	401.5	1,036.4	1.49	1.13	0.97	
4,420.0	89.60	158.81	3,553.4	-1,014.9	425.3	1,100.4	2.29	-1.25	1.92	

Company:	WPX Energy	Local Co-ordinate Reference:	Well Rosá Unit 380
Project:	Rio Arriba Co., NM	TVD Reference:	WELL @ 6720 0usft (Original Well Elev.)
Site:	Sec.20 T31N R04W	MD Reference:	WELL @ 6720 0usft (Original Well Elev.)
Well:	Rosa Unit 380	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000 1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,483.0	90.48	158.65	3,553.4	-1,073.6	448.1	1,163.3	1.42	1.40	-0.25
4,547.0	91.10	158.87	3,552.5	-1,133.3	471.3	1,227.3	1.03	0.97	0.34
4,611.0	89.43	158.84	3,552.2	-1,193.0	494.4	1,291.2	2.61	-2.61	-0.05
4,675.0	89.52	158.55	3,552.8	-1,252.6	517.7	1,355.2	0.47	0.14	-0.45
4,738.0	88.64	157.91	3,553.8	-1,311.1	541.0	1,418.1	1.73	-1.40	-1.02
4,801.0	89.25	156.86	3,554.9	-1,369.2	565.2	1,481.1	1.93	0.97	-1.67
4,864.0	89.43	156.55	3,555.7	-1,427.1	590.2	1,544.1	0.57	0.29	-0.49
4,928.0	88.64	156.54	3,556.7	-1,485.8	615.6	1,608.1	1.23	-1.23	-0.02
4,991.0	90.75	155.45	3,557.1	-1,543.3	641.3	1,671.1	3.77	3.35	-1.73
5,053.0	90.22	155.29	3,556.6	-1,599.7	667.1	1,733.1	0.89	-0.85	-0.26
5,117.0	89.60	152.99	3,556.7	-1,657.3	695.0	1,797.0	3.72	-0.97	-3.59
5,181.0	90.84	153.23	3,556.4	-1,714.4	723.9	1,860.9	1.97	1.94	0.38
5,244.0	91.01	153.52	3,555.4	-1,770.7	752.2	1,923.8	0.53	0.27	0.46
5,307.0	89.87	153.89	3,554.9	-1,827.1	780.1	1,986.7	1.90	-1.81	0.59
5,370.0	90.48	155.37	3,554.7	-1,884.1	807.1	2,049.6	2.54	0.97	2.35
5,433.0	90.75	156.10	3,554.0	-1,941.5	833.0	2,112.6	1.24	0.43	1.16
5,497.0	90.31	156.89	3,553.4	-2,000.2	858.5	2,176.6	1.41	-0.69	1.23
5,560.0	90.57	157.55	3,553.0	-2,058.3	882.9	2,239.6	1.13	0.41	1.05
5,623.0	90.04	157.72	3,552.6	-2,116.5	906.9	2,302.6	0.88	-0.84	0.27
5,687.0	89.52	157.56	3,552.9	-2,175.7	931.2	2,366.6	0.85	-0.81	-0.25
5,750.0	89.52	157.51	3,553.4	-2,233.9	955.3	2,429.6	0.08	0.00	-0.08
5,813.0	91.01	157.75	3,553.1	-2,292.2	979.3	2,492.6	2.40	2.37	0.38
5,877.0	89.69	156.51	3,552.7	-2,351.2	1,004.1	2,556.6	2.83	-2.06	-1.94
5,940.0	89.16	156.34	3,553.3	-2,408.9	1,029.3	2,619.6	0.88	-0.84	-0.27
6,003.0	89.52	155.58	3,554.1	-2,466.4	1,055.0	2,682.6	1.33	0.57	-1.21
6,066.0	89.78	156.10	3,554.5	-2,523.9	1,080.8	2,745.6	0.92	0.41	0.83
6,129.0	90.40	156.40	3,554.4	-2,581.6	1,106.1	2,808.6	1.09	0.98	0.48
6,193.0	88.72	156.35	3,554.9	-2,640.2	1,131.8	2,872.6	2.63	-2.63	-0.08
6,257.0	88.37	156.18	3,556.5	-2,698.8	1,157.5	2,936.5	0.61	-0.55	-0.27
6,320.0	90.75	156.22	3,557.0	-2,756.4	1,183.0	2,999.5	3.78	3.78	0.06
6,384.0	91.36	156.66	3,555.8	-2,815.1	1,208.5	3,063.5	1.18	0.95	0.69
6,447.0	91.10	156.42	3,554.4	-2,872.8	1,233.6	3,126.5	0.56	-0.41	-0.38
6,511.0	89.69	156.29	3,554.0	-2,931.5	1,259.3	3,190.5	2.21	-2.20	-0.20
6,573.0	91.45	156.16	3,553.4	-2,988.2	1,284.3	3,252.5	2.85	2.84	-0.21
6,636.0	90.22	155.93	3,552.5	-3,045.8	1,309.8	3,315.5	1.99	-1.95	-0.37
6,700.0	91.54	156.48	3,551.5	-3,104.3	1,335.7	3,379.5	2.23	2.06	0.86
6,763.0	90.22	156.30	3,550.5	-3,162.0	1,360.9	3,442.4	2.11	-2.10	-0.29
6,826.0	90.57	155.35	3,550.1	-3,219.5	1,386.7	3,505.4	1.61	0.56	-1.51
6,881.0	89.60	155.45	3,550.0	-3,269.5	1,409.6	3,560.4	1.77	-1.76	0.18
6,941.0	89.60	155.45	3,550.4	-3,324.1	1,434.5	3,620.4	0.00	0.00	0.00

Straight Line Projection to Bit Depth @ 6941' MD



Pathfinder
Survey Report

PATHFINDER
A Schlumberger Company

Company:	WPXEnergy	Local Co-ordinate Reference:	Well Rosa Unit 380
Project:	Rio Arriba Co , NM	TVD Reference:	WELL @ 6720 0usft (Original Well Elev)
Site:	Sec 20 T31N R04W	MD Reference:	WELL @ 6720 0usft (Original Well Elev)
Well:	Rosa Unit 380	North Reference:	True
Wellbore:	ST01	Survey Calculation Method:	Minimum Curvature
Design:	ST01	Database:	EDM 5000 1 Single User Db

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,086 0	3,085.4	-16.5	-11 1	Depart Original Wellbore @ 3086' MD
4,053 0	3,545 5	-677 7	281 1	Coal Entry @ 4053' MD / 3545' TVD
6,941 0	3,550 4	-3,324 1	1,434 5	Straight Line Projection to Bit Depth @ 6941' MD

Checked By:	_____	Approved By:	_____	Date:	_____
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