

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

☒ AMENDED REPORT

As Drilled Plat

CONFIDENTIAL

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-31314		*Pool Code 97232	*Pool Name BASIN MANCOS
*Property Code 17033	*Property Name ROSA UNIT		*Well Number 641H
*OGRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC		*Elevation 6305'

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
C	19	31N	5W	1	966	NORTH	526	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
D	24	31N	6W		625	NORTH	197	WEST	RIO ARriba

62	Dedicated Acres	N/2 - Section 19, T31N, R5W
503.91	N/2 - Section 24, T31N, R6W	

Joint or Infill

¹⁴ Consolidation Code	¹⁵ Order No.
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R-13457-A

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

END-OF-LATERAL
625' FNL 197' FWL
SECTION 24, T31N, R6W
LAT: 36.890651°N
LONG: 107.421854°W
DATUM: NAD1927

LAT: 36.890657 *N
LONG: 107.422457 *W
DATUM: NAD1983

ASI TOOL
625' FNL 257' FWL
SECTION 24, T31N, R6W
LAT: 36.890651°N
LONG: 107.421649°W
DATUM: NAD1927

LAT: 36.890656 °N
LONG: 107.422252 °W
DATUM: NAD1983

POINT-OF-ENTRY
648' FNL 893' FNL
SECTION 19, T31N, R5W
LAT: 36.890545 'N
LONG: 107.404122 'W
DATUM: NAD1927

LAT: 36.890551°N
LONG: 107.404725°W
DATUM: NAD1983

SURFACE LOCATION
966' FNL 526' FWL
SECTION 19, T31N, R5W
LAT: 36.889670 °N
LONG: 107.405376 °W
DATUM: NAD1927

LAT: 36.889676 °N
LONG: 107.405979 °W
DATUM: NAD1983

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 working interest or to a pooling of a mineral working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature Manoj Prasad Date 11/6/15

Marie E. Jaramillo

Printed Name _____

marie.jaramillo@wpenergy.com

E-mail Address

10 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.

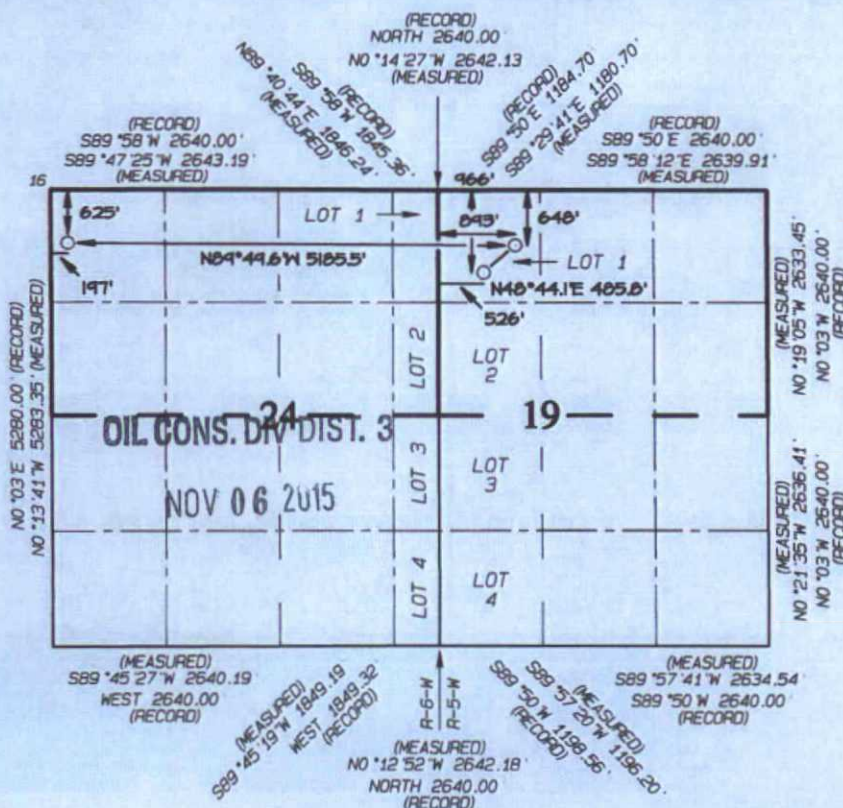
Date Revised: OCTOBER 5, 2015
Date of Survey: JANUARY 2, 2015

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269





Company:	WPX Energy	Local Co-ordinate Reference:	Well ROSA UT 27 #641H - Slot B01
Project:	T31N R5W Rosa Unit	TVD Reference:	KB @ 6330.00usft (Aztec 1000)
Site:	Pad 27	MD Reference:	KB @ 6330.00usft (Aztec 1000)
Well:	ROSA UT 27 #641H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

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Project	T31N R5W Rosa Unit		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

Site	Pad 27		
Site Position:		Northing:	2,143,400.02 usft
From:	Lat/Long	Easting:	625,077.55 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Latitude:	36.8897153
		Longitude:	-107.4056260
		Grid Convergence:	0.26 °

Well	ROSA UT 27 #641H - Slot B01		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	36.8896696
		Longitude:	-107.4053759
		Ground Level:	6,305.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	HDGM	9/10/2015	9.20
			Dip Angle
			(°)
			63.55
			Field Strength
			(nT)
			50,243

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(°)
			270.07

Survey Program	Date 9/29/2015		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
25.00	305.00	Surface Gyro (Wellbore #1)	NS-GYRO-MS
365.00	6,276.00	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD
6,367.00	7,589.00	Survey #3 - Curve MWD Survey (Wellbore	SDI MWD
7,619.00	12,150.00	Survey #4 - Lateral MWD Survey (Wellbor	SDI MWD
			Description
			North sensing gyrocompassing m/s
			SDI MWD - Standard ver 1.0.1
			SDI MWD - Standard ver 1.0.1
			SDI MWD - Standard ver 1.0.1

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Map	Map		
Depth	(°)	(°)	Depth	(usft)	(usft)	Northing	Easting	Latitude	Longitude
(usft)			(usft)			(usft)	(usft)		
0.00	0.00	0.00	0.00	0.00	0.00	2,143,383.72	625,150.76	36.8896696	-107.4053759
25.00	0.00	0.00	25.00	0.00	0.00	2,143,383.72	625,150.76	36.8896696	-107.4053759
125.00	0.25	38.84	125.00	0.17	0.14	2,143,383.89	625,150.89	36.8896701	-107.4053754
225.00	0.12	342.68	225.00	0.44	0.24	2,143,384.16	625,151.00	36.8896708	-107.4053751
305.00	0.08	338.33	305.00	0.57	0.20	2,143,384.29	625,150.95	36.8896712	-107.4053752
365.00	0.36	24.13	365.00	0.78	0.26	2,143,384.51	625,151.01	36.8896718	-107.4053750
First SDI Surface MWD Survey									
448.00	1.03	39.22	447.99	1.60	0.84	2,143,385.32	625,151.59	36.8896740	-107.4053730
539.00	2.81	54.29	538.94	3.53	3.17	2,143,387.27	625,153.91	36.8896793	-107.4053651

Company:	WPX Energy	Local Co-ordinate Reference:	Well ROSA UT 27 #641H - Slot B01
Project:	T31N R5W Rosa Unit	TVD Reference:	KB @ 6330.00usft (Aztec 1000)
Site:	Pad 27	MD Reference:	KB @ 6330.00usft (Aztec 1000)
Well:	ROSA UT 27 #641H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
630.00	4.55	50.19	629.75	7.15	7.75	2,143,390.90	625,158.48	36.8896893	-107.4053494
721.00	4.71	49.09	720.45	11.91	13.35	2,143,395.69	625,164.05	36.8897023	-107.4053303
811.00	4.85	48.00	810.14	16.87	18.97	2,143,400.68	625,169.65	36.8897160	-107.4053111
901.00	4.80	48.08	899.82	21.93	24.59	2,143,405.76	625,175.25	36.8897299	-107.4052918
992.00	4.89	47.00	990.49	27.12	30.26	2,143,410.98	625,180.90	36.8897441	-107.4052724
1,083.00	4.59	48.87	1,081.18	32.16	35.84	2,143,416.04	625,186.46	36.8897580	-107.4052533
1,175.00	4.77	50.05	1,172.87	37.04	41.55	2,143,420.95	625,192.14	36.8897714	-107.4052338
1,265.00	4.67	51.41	1,262.57	41.73	47.28	2,143,425.66	625,197.85	36.8897843	-107.4052142
1,356.00	4.98	50.14	1,353.25	46.57	53.21	2,143,430.53	625,203.76	36.8897976	-107.4051940
1,447.00	4.88	47.40	1,443.91	51.72	59.09	2,143,435.71	625,209.62	36.8898117	-107.4051738
1,538.00	4.78	44.02	1,534.59	57.07	64.57	2,143,441.08	625,215.08	36.8898264	-107.4051551
1,629.00	4.89	45.77	1,625.26	62.50	69.99	2,143,446.53	625,220.46	36.8898413	-107.4051366
1,721.00	4.20	46.08	1,716.97	67.57	75.22	2,143,451.63	625,225.68	36.8898552	-107.4051187
1,812.00	4.10	42.22	1,807.74	72.29	79.81	2,143,456.37	625,230.24	36.8898682	-107.4051030
1,903.00	4.58	52.36	1,898.48	76.92	84.87	2,143,461.02	625,235.29	36.8898809	-107.4050857
1,995.00	4.44	53.04	1,990.19	81.30	90.63	2,143,465.43	625,241.02	36.8898930	-107.4050660
2,086.00	4.90	55.83	2,080.89	85.60	96.66	2,143,469.76	625,247.03	36.8899048	-107.4050454
2,177.00	4.97	55.44	2,171.55	90.02	103.12	2,143,474.21	625,253.47	36.8899169	-107.4050233
2,268.00	4.85	54.27	2,262.22	94.51	109.49	2,143,478.72	625,259.82	36.8899292	-107.4050015
2,359.00	4.70	51.65	2,352.90	99.07	115.54	2,143,483.31	625,265.85	36.8899417	-107.4049808
2,451.00	4.67	49.41	2,444.59	103.84	121.34	2,143,488.11	625,271.63	36.8899549	-107.4049610
2,541.00	6.18	52.18	2,534.19	109.20	127.94	2,143,493.49	625,278.21	36.8899696	-107.4049384
2,632.00	6.36	50.80	2,624.64	115.38	135.72	2,143,499.71	625,285.96	36.8899866	-107.4049118
2,723.00	6.27	50.74	2,715.09	121.72	143.47	2,143,506.08	625,293.68	36.8900040	-107.4048853
2,814.00	6.26	48.25	2,805.55	128.16	151.02	2,143,512.56	625,301.20	36.8900217	-107.4048595
2,905.00	6.33	47.51	2,896.00	134.86	158.42	2,143,519.29	625,308.57	36.8900401	-107.4048342
2,996.00	6.09	45.34	2,986.47	141.64	165.56	2,143,526.10	625,315.68	36.8900587	-107.4048098
3,086.00	6.00	44.58	3,075.97	148.34	172.25	2,143,532.84	625,322.34	36.8900771	-107.4047869
3,177.00	5.37	48.04	3,166.52	154.58	178.76	2,143,539.10	625,328.82	36.8900942	-107.4047646
3,268.00	6.70	53.58	3,257.01	160.58	186.20	2,143,545.13	625,336.23	36.8901107	-107.4047392
3,359.00	6.55	53.32	3,347.40	166.83	194.63	2,143,551.42	625,344.64	36.8901279	-107.4047104
3,450.00	6.71	52.50	3,437.80	173.17	203.01	2,143,557.80	625,352.99	36.8901453	-107.4046817
3,541.00	6.30	55.35	3,528.21	179.24	211.34	2,143,563.91	625,361.29	36.8901620	-107.4046532
3,632.00	5.56	54.79	3,618.72	184.62	219.05	2,143,569.32	625,368.97	36.8901768	-107.4046269
3,723.00	5.27	53.16	3,709.32	189.67	225.99	2,143,574.40	625,375.90	36.8901906	-107.4046031
3,815.00	4.14	50.60	3,801.01	194.31	231.94	2,143,579.07	625,381.82	36.8902034	-107.4045828
3,906.00	3.37	50.09	3,891.81	198.11	236.53	2,143,582.89	625,386.40	36.8902138	-107.4045671
3,997.00	3.89	47.98	3,982.63	201.89	240.87	2,143,586.69	625,390.72	36.8902242	-107.4045522
4,088.00	3.43	45.06	4,073.44	205.88	245.09	2,143,590.70	625,394.93	36.8902352	-107.4045378
4,179.00	3.53	49.19	4,164.27	209.64	249.14	2,143,594.47	625,398.96	36.8902455	-107.4045240
4,270.00	4.42	52.33	4,255.05	213.61	254.04	2,143,598.47	625,403.84	36.8902564	-107.4045072
4,361.00	4.04	52.27	4,345.81	217.72	259.35	2,143,602.60	625,409.13	36.8902677	-107.4044891
4,453.00	5.14	48.39	4,437.51	222.44	264.99	2,143,607.34	625,414.75	36.8902806	-107.4044698
4,544.00	4.09	48.99	4,528.21	227.27	270.49	2,143,612.20	625,420.23	36.8902939	-107.4044510
4,635.00	5.22	47.04	4,618.91	232.22	275.97	2,143,617.18	625,425.68	36.8903075	-107.4044322
4,726.00	4.50	42.44	4,709.58	237.68	281.41	2,143,622.66	625,431.10	36.8903225	-107.4044136
4,817.00	5.21	50.08	4,800.26	242.96	286.99	2,143,627.97	625,436.65	36.8903370	-107.4043946
4,908.00	4.62	52.29	4,890.92	247.86	293.05	2,143,632.89	625,442.70	36.8903504	-107.4043738
5,000.00	5.60	52.47	4,982.56	252.86	299.54	2,143,637.92	625,449.17	36.8903642	-107.4043516
5,091.00	4.40	50.29	5,073.21	257.79	305.75	2,143,642.88	625,455.35	36.8903777	-107.4043304
5,182.00	5.90	48.72	5,163.84	263.11	311.95	2,143,648.23	625,461.53	36.8903923	-107.4043092
5,273.00	6.09	48.38	5,254.34	269.40	319.08	2,143,654.55	625,468.62	36.8904096	-107.4042848
5,364.00	5.65	46.94	5,344.86	275.67	325.96	2,143,660.85	625,475.48	36.8904268	-107.4042613
5,455.00	5.41	46.85	5,435.44	281.66	332.36	2,143,666.87	625,481.85	36.8904433	-107.4042394
5,547.00	4.18	50.04	5,527.12	286.78	338.09	2,143,672.01	625,487.56	36.8904574	-107.4042198

Company:	WPX Energy	Local Co-ordinate Reference:	Well ROSA UT 27 #641H - Slot B01
Project:	T31N R5W Rosa Unit	TVD Reference:	KB @ 6330.00usft (Aztec 1000)
Site:	Pad 27	MD Reference:	KB @ 6330.00usft (Aztec 1000)
Well:	ROSA UT 27 #641H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
5,638.00	4.94	51.43	5,617.83	291.35	343.70	2,143,676.61	625,493.15	36.8904699	-107.4042006
5,729.00	5.10	52.13	5,708.48	296.28	349.96	2,143,681.57	625,499.38	36.8904834	-107.4041792
5,820.00	4.73	54.67	5,799.14	300.93	356.21	2,143,686.25	625,505.61	36.8904962	-107.4041578
5,912.00	4.36	48.28	5,890.85	305.45	361.91	2,143,690.79	625,511.30	36.8905086	-107.4041383
6,003.00	3.87	49.89	5,981.62	309.73	366.85	2,143,695.09	625,516.21	36.8905204	-107.4041215
6,094.00	3.97	45.85	6,072.41	313.90	371.45	2,143,699.29	625,520.80	36.8905319	-107.4041057
6,185.00	2.37	57.63	6,163.27	317.11	375.30	2,143,702.51	625,524.64	36.8905407	-107.4040925
6,276.00	0.18	128.88	6,254.24	318.02	377.00	2,143,703.43	625,526.33	36.8905432	-107.4040867
Last SDI Surface MWD Survey									
6,367.00	2.38	273.47	6,345.21	318.05	375.23	2,143,703.45	625,524.56	36.8905432	-107.4040928
First SDI Curve MWD Survey									
6,449.00	4.40	275.02	6,427.07	318.43	370.40	2,143,703.81	625,519.72	36.8905443	-107.4041093
6,499.00	4.45	274.83	6,476.92	318.76	366.55	2,143,704.12	625,515.88	36.8905452	-107.4041225
7" Casing @ 6499' MD - 36.8905452, -107.4041224									
6,532.00	4.48	274.70	6,509.82	318.97	363.99	2,143,704.32	625,513.32	36.8905458	-107.4041312
6,556.00	4.02	272.79	6,533.75	319.09	362.22	2,143,704.43	625,511.54	36.8905461	-107.4041373
6,586.00	5.28	272.52	6,563.65	319.20	359.79	2,143,704.53	625,509.11	36.8905464	-107.4041456
6,617.00	7.65	273.63	6,594.45	319.39	356.31	2,143,704.71	625,505.63	36.8905469	-107.4041575
6,647.00	9.50	274.81	6,624.12	319.73	351.84	2,143,705.02	625,501.17	36.8905479	-107.4041728
6,678.00	11.48	274.74	6,654.60	320.20	346.22	2,143,705.47	625,495.54	36.8905491	-107.4041920
6,709.00	12.96	273.74	6,684.89	320.68	339.68	2,143,705.92	625,488.99	36.8905505	-107.4042144
6,739.00	15.04	272.87	6,714.00	321.09	332.43	2,143,706.30	625,481.75	36.8905516	-107.4042391
6,769.00	17.23	272.26	6,742.82	321.46	324.10	2,143,706.64	625,473.42	36.8905526	-107.4042676
6,800.00	19.43	272.78	6,772.24	321.89	314.36	2,143,707.02	625,463.68	36.8905538	-107.4043009
6,830.00	21.02	272.96	6,800.39	322.41	304.01	2,143,707.50	625,453.32	36.8905552	-107.4043363
6,860.00	22.34	273.31	6,828.27	323.02	292.94	2,143,708.05	625,442.25	36.8905569	-107.4043742
6,891.00	24.01	272.61	6,856.77	323.65	280.76	2,143,708.63	625,430.06	36.8905586	-107.4044158
6,921.00	26.12	271.11	6,883.94	324.05	268.06	2,143,708.98	625,417.36	36.8905597	-107.4044593
6,952.00	28.67	272.17	6,911.46	324.47	253.80	2,143,709.33	625,403.10	36.8905609	-107.4045080
6,982.00	30.78	274.63	6,937.51	325.36	238.96	2,143,710.15	625,388.25	36.8905633	-107.4045588
7,013.00	33.41	276.83	6,963.77	327.02	222.57	2,143,711.73	625,371.86	36.8905679	-107.4046148
7,043.00	36.93	275.77	6,988.29	328.91	205.40	2,143,713.55	625,354.68	36.8905731	-107.4046735
7,074.00	41.31	274.24	7,012.34	330.60	185.92	2,143,715.15	625,335.19	36.8905777	-107.4047401
7,104.00	44.51	272.43	7,034.31	331.78	165.53	2,143,716.24	625,314.80	36.8905810	-107.4048099
7,134.00	46.36	272.76	7,055.36	332.75	144.18	2,143,717.11	625,293.45	36.8905836	-107.4048829
7,165.00	48.77	272.97	7,076.28	333.89	121.33	2,143,718.15	625,270.59	36.8905868	-107.4049610
7,195.00	51.41	272.91	7,095.52	335.07	98.35	2,143,719.23	625,247.61	36.8905900	-107.4050396
7,226.00	53.90	273.22	7,114.33	336.39	73.75	2,143,720.44	625,222.99	36.8905936	-107.4051237
7,255.00	56.10	273.16	7,130.96	337.71	50.03	2,143,721.65	625,199.27	36.8905973	-107.4052048
7,286.00	57.95	272.61	7,147.83	339.02	24.06	2,143,722.84	625,173.29	36.8906009	-107.4052936
7,316.00	60.85	272.26	7,163.10	340.11	-1.74	2,143,723.82	625,147.49	36.8906039	-107.4053819
7,347.00	63.52	272.07	7,177.56	341.15	-29.14	2,143,724.74	625,120.09	36.8906067	-107.4054755
7,377.00	67.01	271.73	7,190.11	342.05	-56.36	2,143,725.52	625,092.86	36.8906092	-107.4055686
7,408.00	69.82	271.38	7,201.52	342.83	-85.18	2,143,726.17	625,064.05	36.8906113	-107.4056672
7,438.00	72.17	272.15	7,211.29	343.71	-113.53	2,143,726.92	625,035.69	36.8906137	-107.4057641
7,468.00	74.39	273.22	7,219.92	345.05	-142.22	2,143,728.14	625,006.99	36.8906174	-107.4058622
7,498.00	77.21	273.58	7,227.28	346.78	-171.25	2,143,729.73	624,977.95	36.8906222	-107.4059615
7,528.00	79.88	273.81	7,233.23	348.67	-200.59	2,143,731.49	624,948.61	36.8906274	-107.4060618
7,559.00	82.92	273.66	7,237.87	350.67	-231.17	2,143,733.35	624,918.01	36.8906329	-107.4061664
7,589.00	84.94	273.66	7,241.04	352.58	-260.94	2,143,735.12	624,888.24	36.8906381	-107.4062682
Last SDI Curve MWD Survey									
7,619.00	86.68	273.16	7,243.23	354.35	-290.81	2,143,736.77	624,858.36	36.8906430	-107.4063703
First SDI Lateral MWD Survey									
7,649.00	89.16	272.43	7,244.32	355.82	-320.75	2,143,738.10	624,828.41	36.8906470	-107.4064727

Company:	WPX Energy	Local Co-ordinate Reference:	Well ROSA UT 27 #641H - Slot B01
Project:	T31N R5W Rosa Unit	TVD Reference:	KB @ 6330.00usft (Aztec 1000)
Site:	Pad 27	MD Reference:	KB @ 6330.00usft (Aztec 1000)
Well:	ROSA UT 27 #641H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
7,710.00	90.84	271.20	7,244.32	357.75	-381.72	2,143,739.76	624,767.44	36.8906523	-107.4066812
7,802.00	90.97	271.23	7,242.87	359.70	-473.68	2,143,741.29	624,675.47	36.8906576	-107.4069957
7,892.00	90.54	270.29	7,241.68	360.89	-563.67	2,143,742.08	624,585.48	36.8906609	-107.4073034
7,983.00	90.97	269.92	7,240.48	361.06	-654.66	2,143,741.84	624,494.49	36.8906614	-107.4076145
8,074.00	89.29	269.16	7,240.28	360.33	-745.65	2,143,740.70	624,403.50	36.8906594	-107.4079257
8,165.00	89.93	267.99	7,240.90	358.07	-836.62	2,143,738.03	624,312.54	36.8906531	-107.4082368
8,255.00	90.13	267.04	7,240.85	354.16	-926.53	2,143,733.73	624,222.65	36.8906424	-107.4085442
8,346.00	90.77	268.28	7,240.13	350.45	-1,017.45	2,143,729.60	624,131.74	36.8906322	-107.4088551
8,437.00	91.08	269.26	7,238.67	348.50	-1,108.42	2,143,727.24	624,040.79	36.8906268	-107.4091662
8,528.00	91.14	270.71	7,236.90	348.47	-1,199.40	2,143,726.81	623,949.81	36.8906267	-107.4094773
8,619.00	90.97	271.23	7,235.23	350.01	-1,290.37	2,143,727.94	623,858.83	36.8906310	-107.4097884
8,711.00	90.77	272.17	7,233.83	352.74	-1,382.32	2,143,730.26	623,766.87	36.8906384	-107.4101028
8,802.00	91.54	271.99	7,232.00	356.04	-1,473.24	2,143,733.16	623,675.94	36.8906475	-107.4104137
8,893.00	90.40	272.01	7,230.45	359.22	-1,564.17	2,143,735.92	623,584.99	36.8906562	-107.4107246
8,984.00	91.11	271.83	7,229.26	362.27	-1,655.11	2,143,738.56	623,494.04	36.8906646	-107.4110356
9,075.00	89.93	272.77	7,228.43	365.92	-1,746.03	2,143,741.81	623,403.10	36.8906746	-107.4113465
9,166.00	90.91	273.33	7,227.76	370.76	-1,836.90	2,143,746.24	623,312.22	36.8906879	-107.4116572
9,258.00	90.07	272.99	7,226.98	375.83	-1,928.75	2,143,750.90	623,220.34	36.8907018	-107.4119713
9,349.00	90.74	270.88	7,226.33	378.90	-2,019.69	2,143,753.57	623,129.39	36.8907102	-107.4122823
9,440.00	90.94	272.28	7,225.00	381.41	-2,110.65	2,143,755.67	623,038.42	36.8907171	-107.4125933
9,531.00	89.16	271.29	7,224.92	384.25	-2,201.60	2,143,758.09	622,947.46	36.8907248	-107.4129043
9,622.00	90.34	271.95	7,225.32	386.82	-2,292.56	2,143,760.26	622,856.49	36.8907319	-107.4132154
9,713.00	90.47	271.92	7,224.67	389.89	-2,383.50	2,143,762.92	622,765.53	36.8907403	-107.4135264
9,805.00	89.83	270.62	7,224.43	391.93	-2,475.48	2,143,764.55	622,673.55	36.8907459	-107.4138409
9,896.00	90.87	271.03	7,223.88	393.24	-2,566.47	2,143,765.45	622,582.55	36.8907495	-107.4141520
9,987.00	90.64	269.98	7,222.68	394.04	-2,657.45	2,143,765.85	622,491.56	36.8907516	-107.4144632
10,078.00	91.81	270.16	7,220.73	394.15	-2,748.43	2,143,765.55	622,400.59	36.8907519	-107.4147743
10,177.00	90.60	269.90	7,218.65	394.21	-2,847.41	2,143,765.16	622,301.61	36.8907520	-107.4151127
10,267.00	90.57	270.76	7,217.73	394.72	-2,937.40	2,143,765.27	622,211.62	36.8907534	-107.4154204
10,358.00	90.48	267.95	7,216.90	393.70	-3,028.38	2,143,763.84	622,120.64	36.8907506	-107.4157316
10,449.00	89.96	266.10	7,216.55	388.98	-3,119.25	2,143,758.71	622,029.79	36.8907376	-107.4160423
10,540.00	89.50	265.05	7,216.98	381.96	-3,209.98	2,143,751.28	621,939.10	36.8907183	-107.4163525
10,631.00	90.10	264.36	7,217.29	373.56	-3,300.59	2,143,742.48	621,848.53	36.8906952	-107.4166624
10,722.00	90.13	266.81	7,217.11	366.55	-3,391.31	2,143,735.07	621,757.84	36.8906759	-107.4169726
10,813.00	90.24	266.64	7,216.82	361.36	-3,482.16	2,143,729.46	621,667.01	36.8906616	-107.4172833
10,904.00	90.57	267.94	7,216.17	357.05	-3,573.06	2,143,724.75	621,576.13	36.8906498	-107.4175941
10,995.00	91.14	268.61	7,214.82	354.31	-3,664.01	2,143,721.60	621,485.20	36.8906422	-107.4179051
11,086.00	89.96	269.36	7,213.94	352.70	-3,754.98	2,143,719.58	621,394.23	36.8906377	-107.4182162
11,177.00	90.20	269.58	7,213.82	351.86	-3,845.98	2,143,718.33	621,303.24	36.8906354	-107.4185273
11,268.00	89.80	269.39	7,213.82	351.04	-3,936.98	2,143,717.11	621,212.25	36.8906331	-107.4188385
11,359.00	90.91	271.58	7,213.25	351.81	-4,027.96	2,143,717.47	621,121.26	36.8906352	-107.4191496
11,450.00	90.34	270.42	7,212.26	353.40	-4,118.94	2,143,718.65	621,030.27	36.8906395	-107.4194608
11,542.00	90.94	269.96	7,211.23	353.71	-4,210.94	2,143,718.54	620,938.28	36.8906403	-107.4197753
11,633.00	90.57	269.81	7,210.03	353.52	-4,301.93	2,143,717.95	620,847.29	36.8906398	-107.4200865
11,724.00	90.74	270.56	7,208.99	353.82	-4,392.92	2,143,717.84	620,756.29	36.8906405	-107.4203976
11,815.00	90.91	270.45	7,207.68	354.62	-4,483.91	2,143,718.23	620,665.30	36.8906427	-107.4207088
11,906.00	90.91	271.16	7,206.24	355.90	-4,574.89	2,143,719.10	620,574.32	36.8906462	-107.4210199
11,997.00	91.41	270.34	7,204.39	357.09	-4,665.86	2,143,719.89	620,483.34	36.8906494	-107.4213310
12,090.00	91.41	270.18	7,202.11	357.51	-4,758.83	2,143,719.89	620,390.37	36.8906505	-107.4216489
RSI @ 12,090' MD - 36.8906505, -107.4216488									
12,099.00	91.41	270.16	7,201.88	357.53	-4,767.83	2,143,719.87	620,381.37	36.8906506	-107.4216796
Last SDI Lateral MWD Survey									
12,150.00	91.41	270.16	7,200.63	357.68	-4,818.81	2,143,719.79	620,330.39	36.8906510	-107.4218540
Projection to TD									

Company:	WPX Energy	Local Co-ordinate Reference:	Well ROSA UT 27 #641H - Slot B01
Project:	T31N R5W Rosa Unit	TVD Reference:	KB @ 6330.00usft (Aztec 1000)
Site:	Pad 27	MD Reference:	KB @ 6330.00usft (Aztec 1000)
Well:	ROSA UT 27 #641H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Design Targets

Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
TD / PBHL #641H	0.00	0.00	7,134.00	359.81	-4,941.57	2,143,721.37	620,207.62	36.8906567	-107.4222738
- actual wellpath misses target center by 139.69usft at 12150.00usft MD (7200.63 TVD, 357.68 N, -4818.81 E)									
- Point									
PP Rosa 27 #641H	0.00	0.00	7,242.00	354.19	-271.75	2,143,736.69	624,877.42	36.8906425	-107.4063052
- actual wellpath misses target center by 0.94usft at 7599.92usft MD (7241.94 TVD, 353.25 N, -271.81 E)									
- Point									

Design Annotations

Measured Depth	Vertical Depth	Local Coordinates		Comment
(usft)	(usft)	+N/-S (usft)	+E/-W (usft)	
365.00	365.00	0.78	0.26	First SDI Surface MWD Survey
6,276.00	6,254.24	318.02	377.00	Last SDI Surface MWD Survey
6,367.00	6,345.21	318.05	375.23	First SDI Curve MWD Survey
6,499.00	6,476.92	318.76	366.55	7" Casing @ 6499' MD
6,499.00	6,476.92	318.76	366.55	36.8905452, -107.4041224
7,589.00	7,241.04	352.58	-260.94	Last SDI Curve MWD Survey
7,619.00	7,243.23	354.35	-290.81	First SDI Lateral MWD Survey
12,090.00	7,202.11	357.51	-4,758.83	RSI @ 12,090' MD
12,090.00	7,202.11	357.51	-4,758.83	36.8906505, -107.4216488
12,099.00	7,201.88	357.53	-4,767.83	Last SDI Lateral MWD Survey
12,150.00	7,200.63	357.68	-4,818.81	Projection to TD

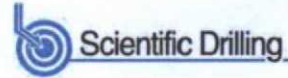
Checked By: _____ Approved By: _____ Date: _____

OIL CONS. DIV DIST. 3

NOV 06 2015



Company Name: WPX Energy
Project: T31N R5W Rosa Unit
Site: Pad 27
Well: ROSA UT 27 #641H



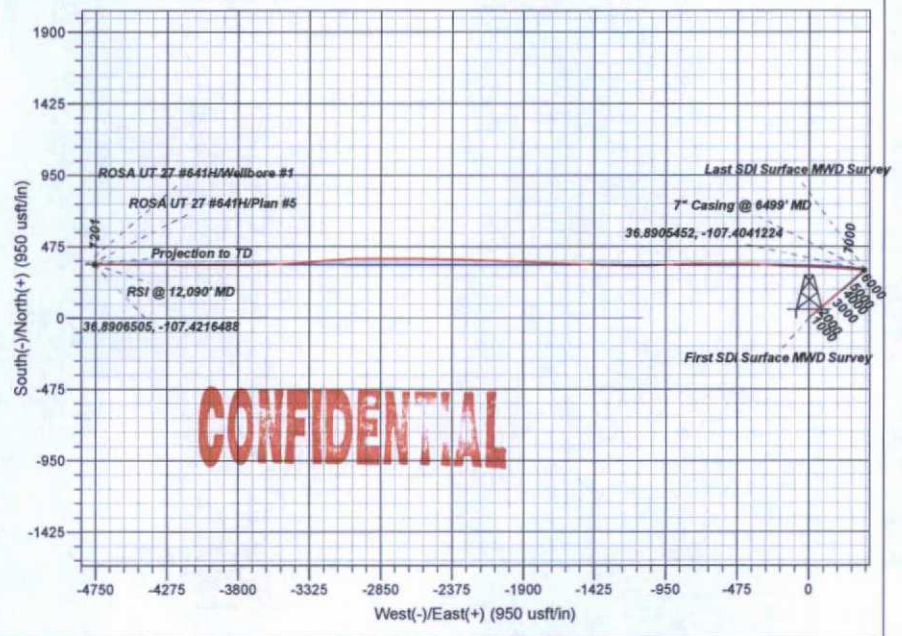
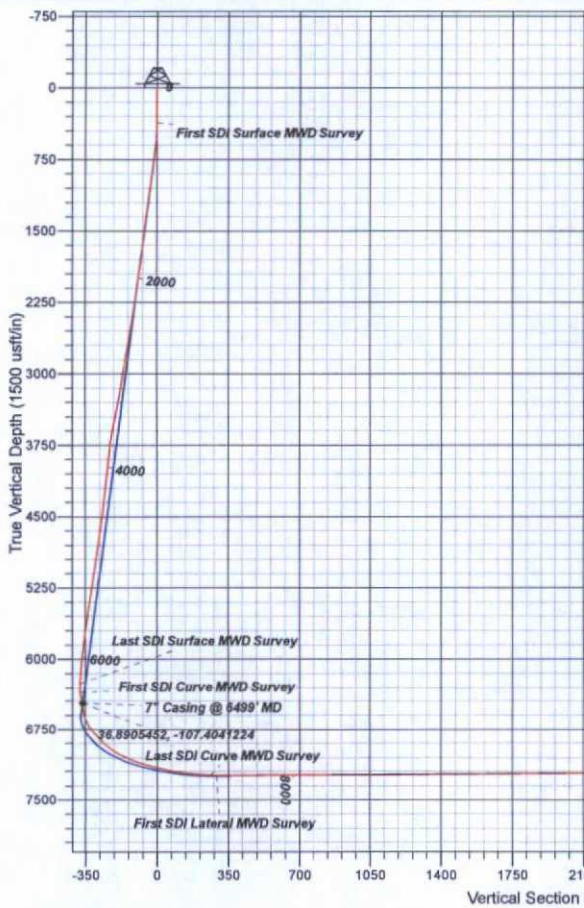
Azimuths to True North
Magnetic North: 9.20°

Magnetic Field
Strength: 50243.0nT
Dip Angle: 63.55°
Date: 9/10/2015
Model: HDGM

WELL DETAILS: ROSA UT 27 #641H

+N/-S	+E/-W	KB @ 6330.00usft (Aztec 1000)	6305.00		
0.00	0.00	Northings	Easting	Latitude	Longitude
0.00	0.00	2143383.72	625150.75	36.8896697	-107.4053759

B01



CONFIDENTIAL

Design: Wellbore #1 (ROSA UT 27 #641H Wellbore #1)
Created By: Janie Collins Date: 15:55, September 29 2015

PROJECT DETAILS: T31N R5W Rosa Unit
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003
System Datum: Mean Sea Level
Local North: True