

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

☒ AMENDED REPORT
As Drilled Plat

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-043-21287	*Pool Code 98172	*Pool Name ESCAVADA N; Mancos
*Property Code 316006	*Property Name N ESCAVADA UT	*Well Number 329H
*OGRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6944'

10 Surface Location

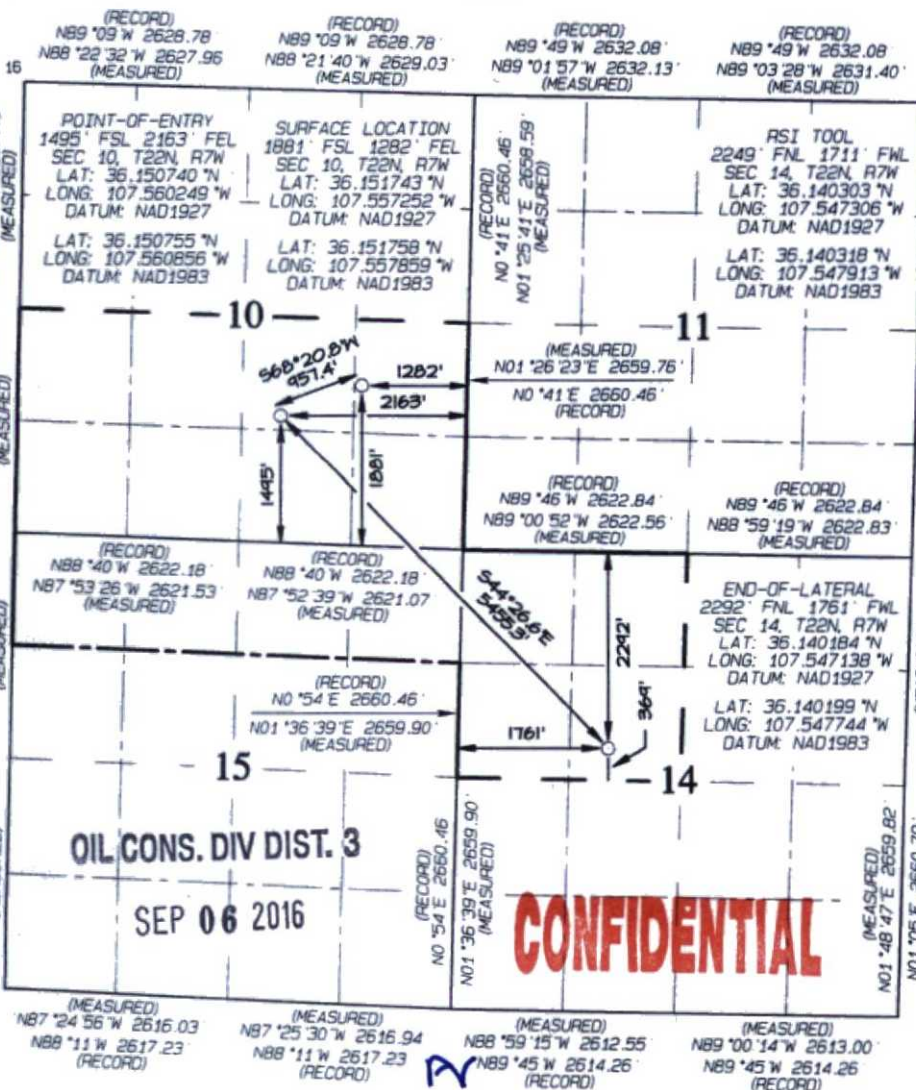
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	10	22N	7W		1881	SOUTH	1282	EAST	SANDOVAL

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
F	14	22N	7W		2292	NORTH	1761	WEST	SANDOVAL

12 Dedicated Acres 640.0	S/2 - Section 10 NW/4 - Section 14 N/2 N/2 - Section 15	13 Joint or Infill	14 Consolidation Code	15 Order No. R-14080
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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: *Marie E. Jaramillo* Date: *9/16/16*

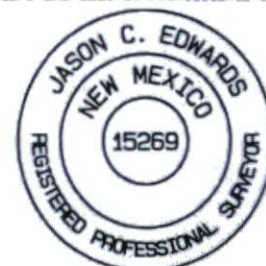
Printed Name: Marie E. Jaramillo
E-mail Address: marie.jaramillo@wpxenergy.com

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: JUNE 14, 2016
Survey Date: OCTOBER 30, 2015

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

OIL CONS. DIV DIST. 3
SEP 06 2016



Company Name: WPX Energy
Project: T22N R7W
Site: 2207-101 NEU
Well: N Escavada UT #329H



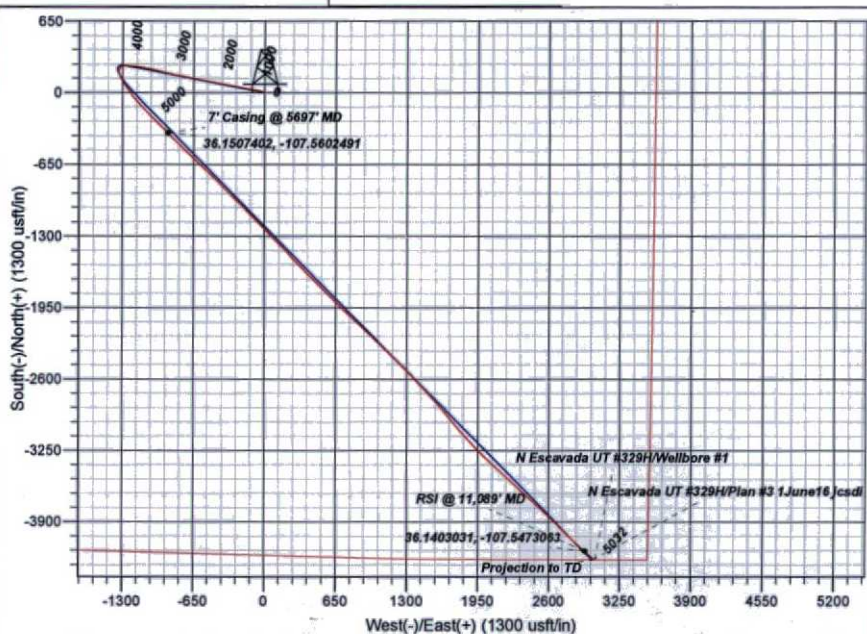
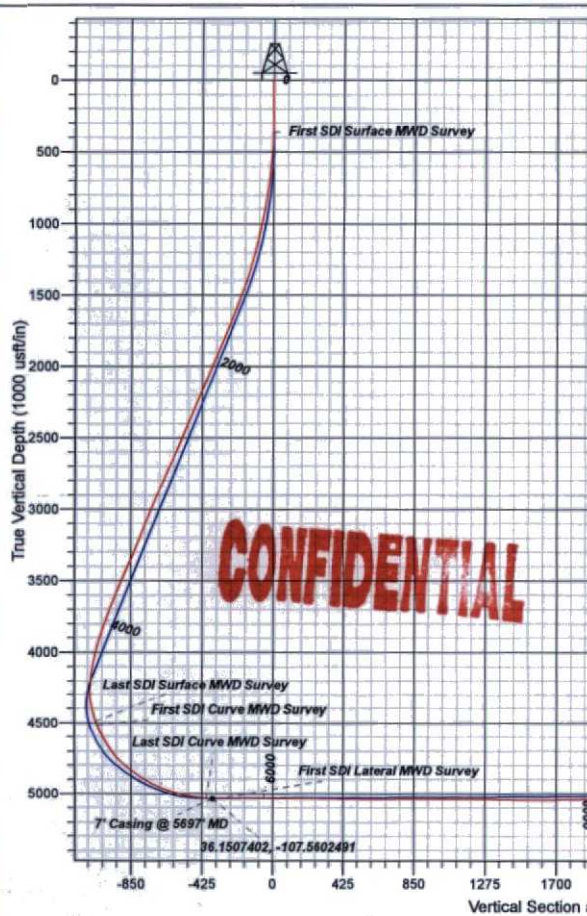
Azimuths to True North
Magnetic North: 9.16°

Magnetic Field
Strength: 49768.8nT
Dip Angle: 62.94°
Date: 6/5/2016
Model: BGGM2016

WELL DETAILS: N Escavada UT #329H

+N/-S	+E/-W	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)	6944.00
0.00	0.00	Northings	Longitude
		1874591.14	581506.69
		36.1517430	-107.5572520

A1



N Escavada UT #329H/Plan #3 1 June 16 jcsdl
36.1403031, -107.5473063
RSI @ 11,089' MD
Last SDI Lateral MWD Survey
Projection to TD
N Escavada UT #329H/Wellbore #1

Design: Wellbore #1 (N Escavada UT #329H/Wellbore #1)
Created By: Janie Collins Date: 12.17, June 13 2016
PROJECT DETAILS: T22N R7W
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

Company:	WPX Energy	Local Co-ordinate Reference:	Well N Escavada UT #329H - Slot A1
Project:	T22N R7W	TVD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Site:	2207-10I NEU	MD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Well:	N Escavada UT #329H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Project	T22N R7W		
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		

CONFIDENTIAL

Site	2207-10I NEU		
Site Position:		Northing:	1,874,627.95 usft
From:	Map	Easting:	581,522.23 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Latitude:	36.1518440
		Longitude:	-107.5571990
		Grid Convergence:	0.16 °

Well	N Escavada UT #329H - Slot A1		
Well Position	+N/-S	0.00 usft	Northing: 1,874,591.14 usft
	+E/-W	0.00 usft	Easting: 581,506.69 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	36.1517430
		Longitude:	-107.5572520
		Ground Level:	6,944.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2016	6/5/2016	9.16
			Dip Angle (°) 62.94
			Field Strength (nT) 49,769

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.00	0.00	0.00
			Direction (°) 135.29

Survey Program	Date 6/13/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
359.00	4,745.00	Survey #1 - Surface MWD Survey (Wellbo	SDI MWD
4,776.00	5,659.00	Survey #2 - Curve MWD Survey (Wellbore	SDI MWD
5,721.00	11,210.00	Survey #3 - Production MWD Survey (Wel	SDI MWD
			Description
			SDI MWD - Standard ver 1.0.1
			SDI MWD - Standard ver 1.0.1
			SDI MWD - Standard ver 1.0.1

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	1,874,591.14	581,506.69	36.1517430	-107.5572520
359.00	0.79	313.26	358.99	1.70	-1.80	1,874,592.83	581,504.89	36.1517476	-107.5572581
First SDI Surface MWD Survey									
390.00	1.27	318.03	389.98	2.10	-2.19	1,874,593.23	581,504.50	36.1517487	-107.5572594
450.00	2.40	295.58	449.95	3.13	-3.77	1,874,594.27	581,502.92	36.1517516	-107.5572648
511.00	3.66	289.01	510.87	4.32	-6.76	1,874,595.44	581,499.92	36.1517548	-107.5572749
571.00	5.01	288.99	570.69	5.80	-11.05	1,874,596.91	581,495.63	36.1517589	-107.5572894
631.00	5.92	280.21	630.42	7.20	-16.57	1,874,598.29	581,490.10	36.1517627	-107.5573082
692.00	6.97	285.04	691.03	8.72	-23.24	1,874,599.79	581,483.43	36.1517669	-107.5573307
753.00	8.32	287.96	751.49	11.04	-31.01	1,874,602.09	581,475.65	36.1517733	-107.5573571

Company:	WPX Energy	Local Co-ordinate Reference:	Well N Escavada UT #329H - Slot A1
Project:	T22N R7W	TVD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Site:	2207-10I NEU	MD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Well:	N Escavada UT #329H	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
814.00	8.89	282.02	811.81	13.38	-39.82	1,874,604.41	581,466.83	36.1517797	-107.5573869
875.00	9.86	280.36	871.99	15.30	-49.57	1,874,606.30	581,457.08	36.1517850	-107.5574199
936.00	11.50	279.65	931.93	17.26	-60.70	1,874,608.23	581,445.94	36.1517904	-107.5574576
996.00	12.61	280.09	990.61	19.41	-73.05	1,874,610.34	581,433.59	36.1517963	-107.5574995
1,056.00	14.13	281.93	1,048.98	22.07	-86.66	1,874,612.97	581,419.97	36.1518036	-107.5575456
1,117.00	14.77	278.98	1,108.05	24.82	-101.63	1,874,615.68	581,404.99	36.1518112	-107.5575963
1,178.00	15.16	278.87	1,166.98	27.27	-117.19	1,874,618.08	581,389.43	36.1518179	-107.5576490
1,239.00	15.69	278.65	1,225.78	29.74	-133.22	1,874,620.50	581,373.38	36.1518247	-107.5577033
1,300.00	17.23	280.65	1,284.28	32.65	-150.26	1,874,623.36	581,356.34	36.1518327	-107.5577610
1,360.00	17.76	281.26	1,341.51	36.08	-167.97	1,874,626.74	581,338.62	36.1518421	-107.5578210
1,420.00	19.02	280.76	1,398.44	39.69	-186.55	1,874,630.30	581,320.03	36.1518520	-107.5578839
1,481.00	20.17	280.10	1,455.91	43.39	-206.67	1,874,633.94	581,299.90	36.1518622	-107.5579521
1,541.00	21.90	281.01	1,511.91	47.34	-227.84	1,874,637.84	581,278.72	36.1518730	-107.5580238
1,602.00	22.15	280.25	1,568.46	51.56	-250.32	1,874,641.99	581,256.23	36.1518846	-107.5580999
1,662.00	23.41	281.43	1,623.78	55.94	-273.13	1,874,646.30	581,233.40	36.1518966	-107.5581772
1,722.00	22.71	280.42	1,678.98	60.39	-296.21	1,874,650.69	581,210.32	36.1519089	-107.5582553
1,783.00	23.29	280.47	1,735.13	64.71	-319.65	1,874,654.95	581,186.86	36.1519207	-107.5583347
1,843.00	22.89	281.03	1,790.33	69.10	-342.76	1,874,659.27	581,163.73	36.1519328	-107.5584130
1,903.00	23.53	281.90	1,845.47	73.80	-365.94	1,874,663.90	581,140.55	36.1519457	-107.5584915
1,968.00	24.07	281.15	1,904.94	79.04	-391.64	1,874,669.07	581,114.83	36.1519601	-107.5585786
2,032.00	24.04	281.00	1,963.38	84.05	-417.24	1,874,674.01	581,089.22	36.1519739	-107.5586653
2,096.00	23.62	280.55	2,021.93	88.89	-442.64	1,874,678.77	581,063.80	36.1519872	-107.5587513
2,160.00	24.04	280.50	2,080.47	93.61	-468.06	1,874,683.42	581,038.36	36.1520001	-107.5588375
2,224.00	23.45	279.39	2,139.05	98.06	-493.45	1,874,687.80	581,012.97	36.1520124	-107.5589234
2,286.00	23.25	282.30	2,195.98	102.68	-517.57	1,874,692.35	580,988.83	36.1520251	-107.5590052
2,350.00	23.46	281.57	2,254.73	107.93	-542.40	1,874,697.53	580,963.99	36.1520395	-107.5590892
2,414.00	23.06	281.71	2,313.53	113.03	-567.15	1,874,702.56	580,939.22	36.1520535	-107.5591731
2,478.00	23.49	281.04	2,372.32	118.02	-591.94	1,874,707.47	580,914.42	36.1520672	-107.5592571
2,541.00	23.87	280.15	2,430.02	122.67	-616.81	1,874,712.05	580,889.53	36.1520799	-107.5593413
2,605.00	23.31	279.21	2,488.67	126.98	-642.06	1,874,716.29	580,864.27	36.1520918	-107.5594268
2,669.00	24.31	280.53	2,547.22	131.41	-667.51	1,874,720.65	580,838.81	36.1521040	-107.5595130
2,733.00	24.83	280.65	2,605.43	136.30	-693.67	1,874,725.47	580,812.64	36.1521174	-107.5596016
2,796.00	24.82	280.37	2,662.61	141.13	-719.68	1,874,730.22	580,786.62	36.1521306	-107.5596897
2,860.00	24.06	281.37	2,720.87	146.12	-745.68	1,874,735.14	580,760.60	36.1521444	-107.5597778
2,924.00	23.56	280.31	2,779.42	150.98	-771.05	1,874,739.93	580,735.21	36.1521577	-107.5598638
2,988.00	23.38	281.86	2,838.13	155.88	-796.07	1,874,744.75	580,710.19	36.1521712	-107.5599495
3,052.00	23.25	283.73	2,896.91	161.48	-820.77	1,874,750.29	580,685.47	36.1521866	-107.5600321
3,115.00	22.83	283.75	2,954.88	167.34	-844.72	1,874,756.08	580,661.50	36.1522027	-107.5601133
3,179.00	22.17	281.70	3,014.01	172.74	-868.60	1,874,761.41	580,637.60	36.1522175	-107.5601942
3,242.00	20.81	282.18	3,072.63	177.51	-891.18	1,874,766.12	580,615.01	36.1522306	-107.5602707
3,306.00	20.75	282.76	3,132.46	182.41	-913.35	1,874,770.96	580,592.83	36.1522441	-107.5603458
3,370.00	21.64	286.56	3,192.14	188.28	-935.72	1,874,776.76	580,570.44	36.1522602	-107.5604215
3,433.00	22.16	284.43	3,250.59	194.55	-958.36	1,874,782.97	580,547.78	36.1522774	-107.5604982
3,497.00	22.86	284.08	3,309.72	200.59	-982.11	1,874,788.94	580,524.02	36.1522940	-107.5605787
3,561.00	24.19	284.46	3,368.40	206.89	-1,006.87	1,874,795.16	580,499.24	36.1523113	-107.5606625
3,625.00	23.79	283.12	3,426.87	213.09	-1,032.14	1,874,801.30	580,473.96	36.1523283	-107.5607481
3,688.00	23.49	282.06	3,484.58	218.60	-1,056.79	1,874,806.73	580,449.29	36.1523434	-107.5608316
3,752.00	23.59	280.97	3,543.25	223.70	-1,081.84	1,874,811.76	580,424.23	36.1523575	-107.5609165
3,816.00	22.80	279.37	3,602.08	228.16	-1,106.64	1,874,816.15	580,399.41	36.1523697	-107.5610005
3,880.00	22.79	279.51	3,661.08	232.22	-1,131.10	1,874,820.15	580,374.93	36.1523809	-107.5610833
3,944.00	21.69	280.62	3,720.32	236.45	-1,154.95	1,874,824.31	580,351.07	36.1523925	-107.5611641
4,008.00	20.84	278.70	3,779.96	240.35	-1,177.83	1,874,828.14	580,328.18	36.1524032	-107.5612416
4,072.00	20.29	276.93	3,839.89	243.41	-1,200.10	1,874,831.14	580,305.91	36.1524116	-107.5613170
4,136.00	19.45	276.58	3,900.08	245.97	-1,221.70	1,874,833.64	580,284.30	36.1524186	-107.5613902
4,200.00	17.79	272.80	3,960.73	247.67	-1,242.05	1,874,835.28	580,263.94	36.1524233	-107.5614592

Company:	WPX Energy	Local Co-ordinate Reference:	Well N Escavada UT #329H - Slot A1
Project:	T22N R7W	TVD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Site:	2207-10I NEU	MD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Well:	N Escavada UT #329H	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
4,265.00	15.98	268.80	4,022.92	247.97	-1,260.92	1,874,835.53	580,245.07	36.1524241	-107.5615231
4,331.00	14.65	261.63	4,086.58	246.56	-1,278.26	1,874,834.07	580,227.73	36.1524202	-107.5615818
4,363.00	14.20	259.30	4,117.57	245.25	-1,286.12	1,874,832.73	580,219.88	36.1524166	-107.5616084
4,395.00	13.95	259.25	4,148.61	243.80	-1,293.77	1,874,831.26	580,212.24	36.1524126	-107.5616343
4,427.00	13.92	250.68	4,179.68	241.80	-1,301.19	1,874,829.25	580,204.82	36.1524072	-107.5616595
4,459.00	14.10	242.26	4,210.73	238.72	-1,308.27	1,874,826.14	580,197.75	36.1523987	-107.5616835
4,490.00	14.51	231.39	4,240.77	234.53	-1,314.65	1,874,821.94	580,191.38	36.1523872	-107.5617051
4,522.00	14.81	222.62	4,271.73	229.02	-1,320.55	1,874,816.41	580,185.49	36.1523721	-107.5617251
4,554.00	15.91	215.47	4,302.59	222.44	-1,325.87	1,874,809.81	580,180.20	36.1523540	-107.5617431
4,585.00	15.58	207.48	4,332.43	215.29	-1,330.26	1,874,802.65	580,175.83	36.1523343	-107.5617579
4,617.00	15.48	195.89	4,363.27	207.36	-1,333.41	1,874,794.71	580,172.70	36.1523126	-107.5617686
4,649.00	16.61	180.02	4,394.04	198.68	-1,334.58	1,874,786.03	580,171.55	36.1522887	-107.5617726
4,681.00	17.74	169.70	4,424.62	189.31	-1,333.71	1,874,776.66	580,172.45	36.1522629	-107.5617696
4,713.00	18.20	167.84	4,455.06	179.62	-1,331.79	1,874,766.98	580,174.40	36.1522363	-107.5617631
4,745.00	17.63	166.91	4,485.51	170.02	-1,329.64	1,874,757.38	580,176.58	36.1522100	-107.5617558
Last SDI Surface MWD Survey									
4,776.00	18.44	161.05	4,514.99	160.81	-1,326.98	1,874,748.18	580,179.26	36.1521847	-107.5617468
First SDI Curve MWD Survey									
4,808.00	21.30	155.62	4,545.08	150.72	-1,322.94	1,874,738.11	580,183.33	36.1521570	-107.5617331
4,839.00	24.07	154.75	4,573.68	139.88	-1,317.92	1,874,727.27	580,188.39	36.1521272	-107.5617161
4,871.00	26.12	153.43	4,602.66	127.67	-1,311.98	1,874,715.08	580,194.36	36.1520936	-107.5616960
4,903.00	27.32	151.14	4,631.24	114.94	-1,305.28	1,874,702.37	580,201.09	36.1520587	-107.5616733
4,934.00	29.28	147.83	4,658.54	102.29	-1,297.81	1,874,689.74	580,208.59	36.1520239	-107.5616480
4,966.00	31.66	147.20	4,686.11	88.61	-1,289.10	1,874,676.08	580,217.35	36.1519863	-107.5616185
4,998.00	34.11	145.70	4,712.99	74.13	-1,279.49	1,874,661.64	580,227.00	36.1519466	-107.5615859
5,030.00	36.18	145.43	4,739.15	58.94	-1,269.07	1,874,646.48	580,237.46	36.1519048	-107.5615506
5,062.00	38.88	144.12	4,764.53	43.02	-1,257.83	1,874,630.59	580,248.75	36.1518611	-107.5615125
5,094.00	41.89	144.02	4,788.90	26.24	-1,245.66	1,874,613.84	580,260.96	36.1518150	-107.5614713
5,126.00	45.24	144.85	4,812.08	8.30	-1,232.84	1,874,595.93	580,273.84	36.1517657	-107.5614279
5,158.00	46.37	144.32	4,834.39	-10.40	-1,219.54	1,874,577.28	580,287.18	36.1517143	-107.5613829
5,190.00	48.50	140.15	4,856.04	-29.01	-1,205.10	1,874,558.70	580,301.68	36.1516632	-107.5613340
5,222.00	50.91	139.08	4,876.73	-47.60	-1,189.29	1,874,540.16	580,317.54	36.1516121	-107.5612804
5,253.00	54.39	139.15	4,895.54	-66.23	-1,173.16	1,874,521.58	580,333.72	36.1515610	-107.5612258
5,285.00	57.76	139.44	4,913.39	-86.36	-1,155.85	1,874,501.50	580,351.09	36.1515057	-107.5611671
5,316.00	60.29	138.45	4,929.35	-106.39	-1,138.39	1,874,481.51	580,368.61	36.1514506	-107.5611080
5,348.00	60.65	136.92	4,945.12	-126.98	-1,119.65	1,874,460.98	580,387.41	36.1513941	-107.5610445
5,380.00	63.56	135.84	4,960.09	-147.45	-1,100.14	1,874,440.56	580,406.98	36.1513378	-107.5609784
5,412.00	67.32	135.89	4,973.39	-168.34	-1,079.87	1,874,419.74	580,427.30	36.1512805	-107.5609098
5,443.00	70.48	136.37	4,984.55	-189.18	-1,059.83	1,874,398.95	580,447.40	36.1512232	-107.5608419
5,475.00	72.17	135.43	4,994.79	-210.95	-1,038.74	1,874,377.24	580,468.56	36.1511634	-107.5607704
5,507.00	74.02	135.15	5,004.10	-232.71	-1,017.20	1,874,355.54	580,490.16	36.1511036	-107.5606975
5,539.00	76.22	134.91	5,012.31	-254.59	-995.34	1,874,333.73	580,512.08	36.1510435	-107.5606234
5,571.00	78.57	134.76	5,019.30	-276.60	-973.20	1,874,311.77	580,534.29	36.1509830	-107.5605484
5,603.00	80.67	134.77	5,025.06	-298.77	-950.85	1,874,289.67	580,556.70	36.1509222	-107.5604727
5,635.00	83.19	135.22	5,029.55	-321.17	-928.45	1,874,267.34	580,579.16	36.1508606	-107.5603968
5,659.00	85.97	135.17	5,031.82	-338.12	-911.61	1,874,250.43	580,596.05	36.1508141	-107.5603398
Last SDI Curve MWD Survey									
5,697.00	88.61	135.13	5,033.62	-365.03	-884.85	1,874,223.60	580,622.89	36.1507401	-107.5602491
7" Casing @ 5697' MD - 36.1507402, -107.5602491									
5,721.00	90.27	135.11	5,033.85	-382.03	-867.91	1,874,206.64	580,639.87	36.1506934	-107.5601918
First SDI Lateral MWD Survey									
5,783.00	90.37	134.68	5,033.51	-425.79	-823.99	1,874,163.01	580,683.91	36.1505732	-107.5600430
5,846.00	90.40	134.26	5,033.08	-469.92	-779.04	1,874,119.00	580,729.00	36.1504520	-107.5598907
5,907.00	90.47	134.00	5,032.62	-512.40	-735.25	1,874,076.66	580,772.90	36.1503353	-107.5597424

Company:	WPX Energy	Local Co-ordinate Reference:	Well N Escavada UT #329H - Slot A1
Project:	T22N R7W	TVD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Site:	2207-10I NEU	MD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Well:	N Escavada UT #329H	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
5,968.00	89.87	134.05	5,032.44	-554.79	-691.39	1,874,034.39	580,816.88	36.1502188	-107.5595939
6,028.00	89.97	133.41	5,032.52	-596.27	-648.04	1,873,993.04	580,860.35	36.1501049	-107.5594470
6,089.00	89.83	132.59	5,032.63	-637.87	-603.42	1,873,951.56	580,905.08	36.1499906	-107.5592959
6,149.00	89.73	133.13	5,032.86	-678.68	-559.44	1,873,910.88	580,949.18	36.1498785	-107.5591469
6,210.00	90.17	134.28	5,032.91	-720.83	-515.35	1,873,868.85	580,993.40	36.1497627	-107.5589976
6,270.00	89.39	134.96	5,033.14	-762.97	-472.64	1,873,826.83	581,036.22	36.1496470	-107.5588529
6,331.00	89.39	134.89	5,033.79	-806.04	-429.45	1,873,783.88	581,079.53	36.1495286	-107.5587066
6,391.00	89.02	134.70	5,034.63	-848.31	-386.88	1,873,741.73	581,122.23	36.1494125	-107.5585624
6,452.00	88.82	134.31	5,035.78	-891.07	-343.38	1,873,699.10	581,165.84	36.1492951	-107.5584151
6,512.00	88.42	134.46	5,037.22	-933.02	-300.52	1,873,657.27	581,208.83	36.1491798	-107.5582699
6,574.00	90.03	133.53	5,038.06	-976.08	-255.92	1,873,614.34	581,253.55	36.1490615	-107.5581188
6,635.00	90.74	134.75	5,037.65	-1,018.56	-212.15	1,873,571.98	581,297.44	36.1489448	-107.5579706
6,695.00	89.90	135.66	5,037.32	-1,061.14	-169.87	1,873,529.53	581,339.84	36.1488278	-107.5578274
6,756.00	90.00	135.80	5,037.37	-1,104.82	-127.29	1,873,485.97	581,382.54	36.1487079	-107.5576832
6,816.00	89.93	135.43	5,037.41	-1,147.70	-85.32	1,873,443.21	581,424.63	36.1485901	-107.5575410
6,877.00	89.53	135.19	5,037.69	-1,191.06	-42.42	1,873,399.97	581,467.65	36.1484709	-107.5573957
6,938.00	89.43	134.61	5,038.25	-1,234.12	0.78	1,873,357.03	581,510.98	36.1483526	-107.5572494
6,998.00	90.50	135.33	5,038.28	-1,276.52	43.23	1,873,314.75	581,553.55	36.1482362	-107.5571056
7,059.00	91.01	135.22	5,037.48	-1,319.86	86.15	1,873,271.54	581,596.60	36.1481171	-107.5569602
7,119.00	91.24	135.43	5,036.30	-1,362.51	128.33	1,873,229.00	581,638.89	36.1479999	-107.5568174
7,179.00	89.87	137.39	5,035.72	-1,405.97	169.69	1,873,185.66	581,680.38	36.1478805	-107.5566773
7,240.00	89.46	137.17	5,036.08	-1,450.78	211.08	1,873,140.97	581,721.89	36.1477574	-107.5565371
7,301.00	89.34	136.34	5,036.72	-1,495.21	252.87	1,873,096.65	581,763.81	36.1476354	-107.5563956
7,361.00	89.09	136.46	5,037.54	-1,538.66	294.24	1,873,053.33	581,805.30	36.1475160	-107.5562554
7,421.00	88.92	135.53	5,038.58	-1,581.81	335.92	1,873,010.29	581,847.10	36.1473975	-107.5561143
7,482.00	88.96	134.98	5,039.71	-1,625.13	378.85	1,872,967.10	581,890.16	36.1472785	-107.5559689
7,542.00	89.63	135.26	5,040.45	-1,667.64	421.18	1,872,924.71	581,932.61	36.1471617	-107.5558255
7,602.00	90.07	134.93	5,040.60	-1,710.13	463.54	1,872,882.33	581,975.09	36.1470449	-107.5556820
7,666.00	90.00	134.29	5,040.56	-1,755.08	509.10	1,872,837.52	582,020.78	36.1469215	-107.5555277
7,729.00	90.27	135.19	5,040.42	-1,799.42	553.85	1,872,793.30	582,065.65	36.1467996	-107.5553761
7,792.00	90.30	134.92	5,040.10	-1,844.01	598.35	1,872,748.84	582,110.29	36.1466771	-107.5552254
7,856.00	90.84	135.55	5,039.47	-1,889.45	643.42	1,872,703.53	582,155.48	36.1465523	-107.5550728
7,920.00	91.01	134.76	5,038.43	-1,934.82	688.55	1,872,658.28	582,200.74	36.1464277	-107.5549199
7,983.00	90.84	134.05	5,037.42	-1,978.90	733.55	1,872,614.34	582,245.86	36.1463066	-107.5547675
8,047.00	90.84	134.32	5,036.48	-2,023.50	779.44	1,872,569.87	582,291.88	36.1461840	-107.5546121
8,110.00	90.64	133.36	5,035.66	-2,067.13	824.87	1,872,526.36	582,337.44	36.1460642	-107.5544582
8,173.00	90.91	132.74	5,034.81	-2,110.14	870.91	1,872,483.49	582,383.59	36.1459460	-107.5543023
8,237.00	90.50	133.86	5,034.02	-2,154.02	917.48	1,872,439.74	582,430.29	36.1458255	-107.5541446
8,300.00	89.76	133.66	5,033.88	-2,197.60	962.98	1,872,396.29	582,475.92	36.1457058	-107.5539905
8,363.00	89.43	133.15	5,034.33	-2,240.89	1,008.75	1,872,353.13	582,521.81	36.1455868	-107.5538355
8,427.00	89.46	132.85	5,034.95	-2,284.53	1,055.55	1,872,309.62	582,568.74	36.1454669	-107.5536769
8,490.00	89.97	134.07	5,035.26	-2,327.86	1,101.28	1,872,266.42	582,614.59	36.1453479	-107.5535221
8,554.00	89.53	134.00	5,035.54	-2,372.35	1,147.29	1,872,222.06	582,660.72	36.1452257	-107.5533662
8,618.00	89.70	135.80	5,035.97	-2,417.52	1,192.62	1,872,177.02	582,706.18	36.1451016	-107.5532127
8,681.00	90.10	135.38	5,036.08	-2,462.53	1,236.71	1,872,132.14	582,750.40	36.1449779	-107.5530634
8,745.00	89.43	136.37	5,036.34	-2,508.47	1,281.26	1,872,086.33	582,795.08	36.1448517	-107.5529125
8,808.00	89.25	135.99	5,037.07	-2,553.92	1,324.88	1,872,041.00	582,838.83	36.1447268	-107.5527648
8,872.00	89.19	135.61	5,037.94	-2,599.80	1,369.50	1,871,995.25	582,883.57	36.1446008	-107.5526137
8,936.00	90.30	136.14	5,038.22	-2,645.74	1,414.05	1,871,949.44	582,928.26	36.1444746	-107.5524628
9,000.00	90.07	136.96	5,038.02	-2,692.20	1,458.07	1,871,903.10	582,972.41	36.1443469	-107.5523137
9,063.00	90.66	136.95	5,037.61	-2,738.24	1,501.07	1,871,857.18	583,015.54	36.1442205	-107.5521681
9,126.00	89.87	138.20	5,037.32	-2,784.74	1,543.57	1,871,810.80	583,058.17	36.1440927	-107.5520242
9,190.00	90.81	139.13	5,036.94	-2,832.79	1,585.84	1,871,762.87	583,100.58	36.1439607	-107.5518810
9,253.00	90.87	138.86	5,036.02	-2,880.33	1,627.17	1,871,715.45	583,142.04	36.1438301	-107.5517410
9,317.00	90.13	139.85	5,035.46	-2,928.89	1,668.85	1,871,667.01	583,183.87	36.1436967	-107.5515999

Company:	WPX Energy	Local Co-ordinate Reference:	Well N Escavada UT #329H - Slot A1
Project:	T22N R7W	TVD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Site:	2207-101 NEU	MD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Well:	N Escavada UT #329H	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
9,378.00	90.20	139.79	5,035.29	-2,975.49	1,708.21	1,871,620.52	583,223.35	36.1435686	-107.5514666
9,441.00	90.64	139.07	5,034.82	-3,023.35	1,749.18	1,871,572.78	583,264.46	36.1434372	-107.5513278
9,505.00	90.30	139.31	5,034.30	-3,071.79	1,791.01	1,871,524.46	583,306.43	36.1433041	-107.5511862
9,568.00	90.64	138.53	5,033.78	-3,119.27	1,832.40	1,871,477.09	583,347.96	36.1431736	-107.5510460
9,632.00	89.06	138.00	5,033.95	-3,167.03	1,875.01	1,871,429.45	583,390.69	36.1430424	-107.5509017
9,696.00	88.72	136.97	5,035.19	-3,214.20	1,918.25	1,871,382.41	583,434.07	36.1429128	-107.5507553
9,759.00	88.99	135.28	5,036.45	-3,259.60	1,961.90	1,871,337.13	583,477.85	36.1427881	-107.5506074
9,822.00	89.25	133.44	5,037.42	-3,303.64	2,006.94	1,871,293.22	583,523.01	36.1426671	-107.5504549
9,886.00	91.21	133.23	5,037.16	-3,347.56	2,053.48	1,871,249.44	583,569.69	36.1425465	-107.5502973
9,950.00	90.88	133.15	5,035.99	-3,391.35	2,100.14	1,871,205.77	583,616.46	36.1424261	-107.5501393
10,014.00	90.40	133.27	5,035.28	-3,435.17	2,146.78	1,871,162.09	583,663.23	36.1423057	-107.5499813
10,077.00	90.44	132.99	5,034.82	-3,478.24	2,192.76	1,871,119.15	583,709.33	36.1421874	-107.5498256
10,141.00	90.48	132.38	5,034.30	-3,521.63	2,239.80	1,871,075.90	583,756.50	36.1420682	-107.5496663
10,204.00	90.87	132.00	5,033.56	-3,563.93	2,286.48	1,871,033.72	583,803.29	36.1419520	-107.5495082
10,269.00	90.40	131.24	5,032.84	-3,607.10	2,335.07	1,870,990.69	583,852.00	36.1418334	-107.5493437
10,333.00	90.54	131.38	5,032.31	-3,649.35	2,383.14	1,870,948.58	583,900.19	36.1417173	-107.5491809
10,396.00	90.98	132.73	5,031.48	-3,691.55	2,429.91	1,870,906.52	583,947.09	36.1416014	-107.5490225
10,460.00	90.84	132.91	5,030.46	-3,735.04	2,476.85	1,870,863.16	583,994.15	36.1414819	-107.5488635
10,523.00	90.61	132.21	5,029.66	-3,777.65	2,523.25	1,870,820.68	584,040.67	36.1413648	-107.5487064
10,587.00	90.27	132.50	5,029.17	-3,820.76	2,570.54	1,870,777.70	584,088.08	36.1412464	-107.5485462
10,650.00	90.17	133.21	5,028.93	-3,863.61	2,616.72	1,870,734.98	584,134.39	36.1411286	-107.5483898
10,714.00	90.31	133.88	5,028.66	-3,907.70	2,663.11	1,870,691.02	584,180.90	36.1410075	-107.5482328
10,777.00	90.37	134.30	5,028.29	-3,951.54	2,708.36	1,870,647.32	584,226.28	36.1408871	-107.5480795
10,841.00	90.31	133.79	5,027.91	-3,996.03	2,754.36	1,870,602.96	584,272.40	36.1407648	-107.5479237
10,904.00	90.22	133.00	5,027.62	-4,039.31	2,800.14	1,870,559.81	584,318.30	36.1406459	-107.5477687
10,970.00	89.69	132.91	5,027.67	-4,084.29	2,848.44	1,870,514.97	584,366.74	36.1405223	-107.5476051
11,031.00	89.25	132.21	5,028.23	-4,125.54	2,893.37	1,870,473.84	584,411.78	36.1404090	-107.5474530
11,089.00	88.76	131.15	5,029.24	-4,164.10	2,936.68	1,870,435.40	584,455.20	36.1403030	-107.5473063
RSI @ 11,089' MD - 36.1403031, -107.5473063									
11,094.00	88.72	131.06	5,029.35	-4,167.39	2,940.45	1,870,432.13	584,458.98	36.1402940	-107.5472936
11,155.00	88.72	130.98	5,030.71	-4,207.42	2,986.46	1,870,392.23	584,505.10	36.1401840	-107.5471378
Last SDI Lateral MWD Survey									
11,210.00	88.72	130.98	5,031.94	-4,243.48	3,027.97	1,870,356.29	584,546.72	36.1400850	-107.5469972
Projection to TD									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
359.00	358.99	1.70	-1.80	First SDI Surface MWD Survey
4,745.00	4,485.51	170.02	-1,329.64	Last SDI Surface MWD Survey
4,776.00	4,514.99	160.81	-1,326.98	First SDI Curve MWD Survey
5,659.00	5,031.82	-338.12	-911.61	Last SDI Curve MWD Survey
5,697.00	5,033.62	-365.03	-884.85	7' Casing @ 5697' MD
5,697.00	5,033.62	-365.03	-884.85	36.1507402, -107.5602491
5,721.00	5,033.85	-382.03	-867.91	First SDI Lateral MWD Survey
11,089.00	5,029.24	-4,164.10	2,936.68	RSI @ 11,089' MD
11,089.00	5,029.24	-4,164.10	2,936.68	36.1403031, -107.5473063
11,155.00	5,030.71	-4,207.42	2,986.46	Last SDI Lateral MWD Survey
11,210.00	5,031.94	-4,243.48	3,027.97	Projection to TD

Company:	WPX Energy	Local Co-ordinate Reference:	Well N Escavada UT #329H - Slot A1
Project:	T22N R7W	TVD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Site:	2207-10I NEU	MD Reference:	GL 6944' & RKB 14' @ 6958.00usft (Aztec 920)
Well:	N Escavada UT #329H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Checked By: _____ Approved By: _____ Date: _____