

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

CONFIDENTIAL

*API Number 30-039-31299	*Pool Code 98088	*Pool Name CHACO UNIT NE HZ (OIL)
*Property Code 313800	*Property Name NE CHACO COM	*Well Number 902H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6882'

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
E	5	23N	6W		2403	NORTH	232	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	280	East/West line	County
H	8	23N	6W		2286	NORTH	334	EAST	RIO ARriba
*Dedicated Acres 961.46	S/2 - Sections 5 & 6 N/2 - Section 8				*Joint or Infill	*Consolidation Code	*Order No. R-13817A	Total acreage 9237.3	

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: *[Signature]* Date: 12/29/15
Printed Name: LACEY GRANILLO
E-mail Address: lacey.granillo@wpxenergy.com

¹⁸ SURVEYOR CERTIFICATION

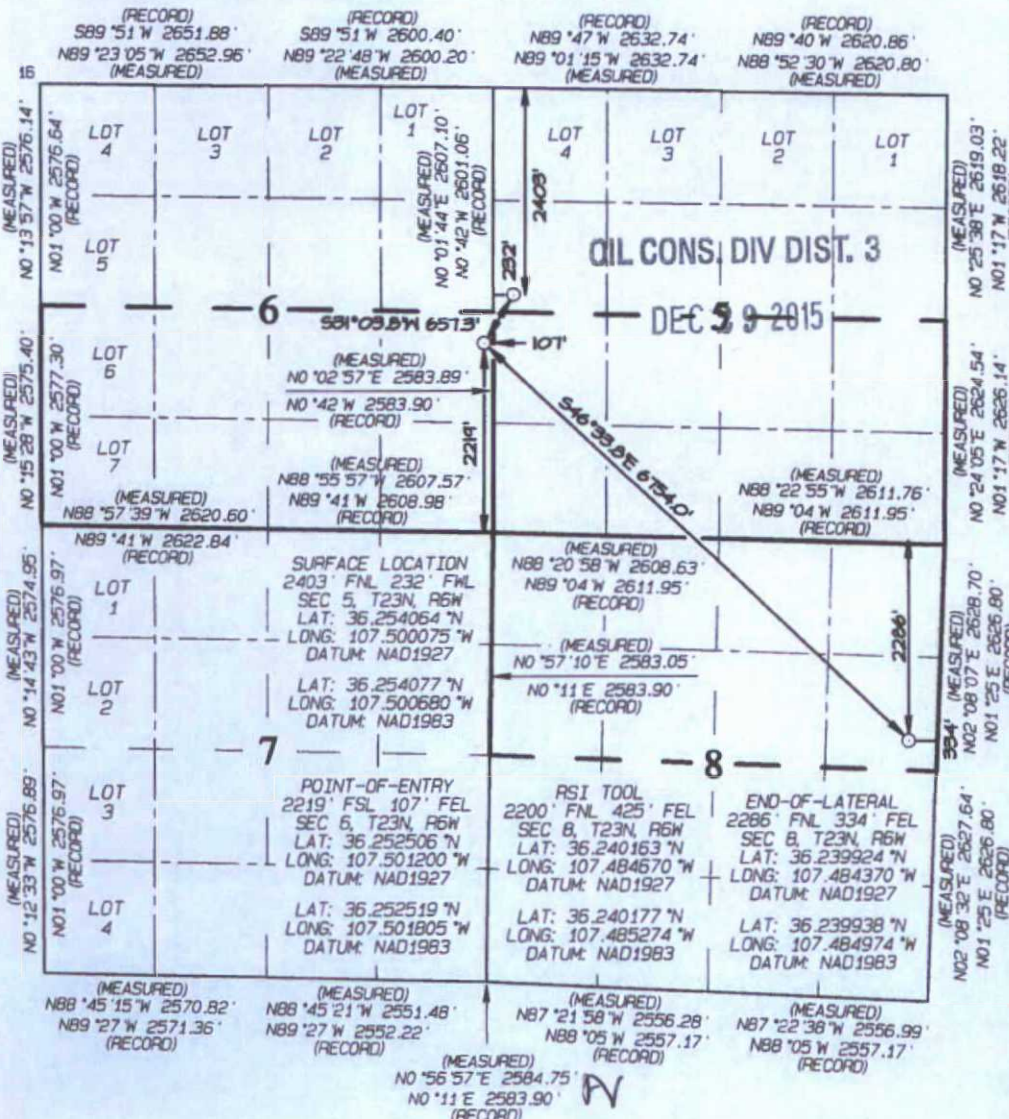
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: DECEMBER 8, 2015
Survey Date: DECEMBER 17, 2013

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



OIL CONS. DIV DIST. 3

DEC 29 2015



Company Name: WPX Energy
Project: T23N R6W
Site: Chaco 2306-04E
Well: NE Chaco Com #902H



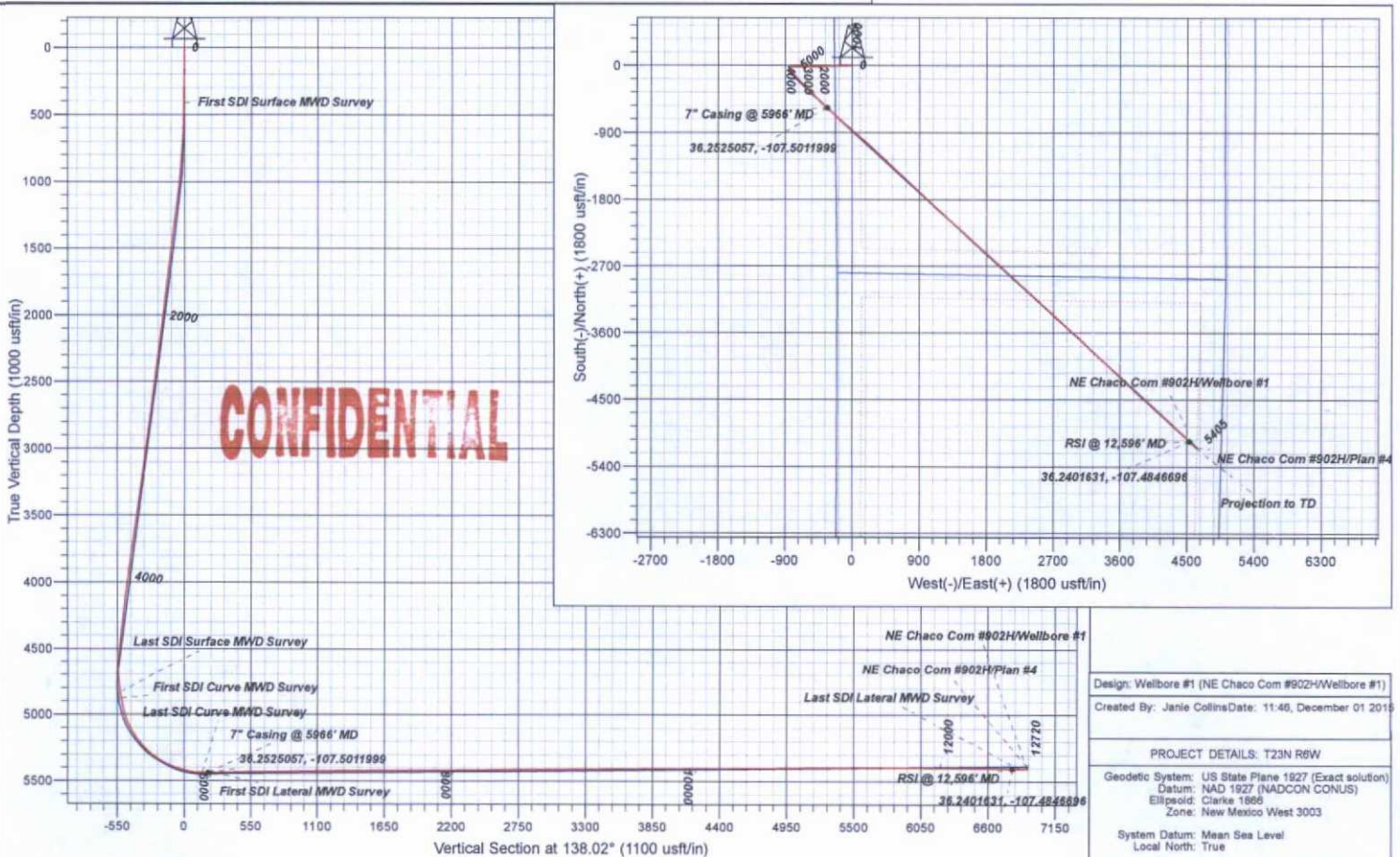
Azimuths to True North
Magnetic North: 9.08°

Magnetic Field
Strength: 49903.0nT
Dip Angle: 62.97°
Data: 11/18/2014
Model: HDGM

WELL DETAILS: NE Chaco Com #902H

+N/-S	+E/-W	GL 6882' & RKB 25' @ 6907.00usft (Aztec 1000)	6882.00
		Northing	Easting
0.00	0.00	1911888.80	598260.46
		Latitude	Longitude
		36.2540600	-107.5000700

A1



Design: Wellbore #1 (NE Chaco Com #902H/Wellbore #1)
Created By: Janie Collins Date: 11:46, December 01 2015

PROJECT DETAILS: T23N R6W
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



Survey Report - Geographic



Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #902H - Slot A1
Project:	T23N R6W	TVD Reference:	GL 6882' & RKB 25' @ 5907.00usft (Aztec 1000)
Site:	Chaco 2306-04E	MD Reference:	GL 6882' & RKB 25' @ 5907.00usft (Aztec 1000)
Well:	NE Chaco Com #902H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

OIL CONS. DIV DIST. 3

Project	T23N R6W		
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		

DEC 29 2015

Site	Chaco 2306-04E		
Site Position:		Northing:	1,911,745.11 usft
From:	Lat/Long	Easting:	603,945.66 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Latitude:	36.2536100
		Longitude:	-107.4807900
		Grid Convergence:	0.21 °

Well	NE Chaco Com #902H - Slot A1		
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:	36.2540600
		Longitude:	-107.5000700
		Ground Level:	6,882.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	11/18/2014	9.08
			Dip Angle (°)
			62.97
			Field Strength (nT)
			49,903

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 (°)
			138.02

Survey Program	Date 12/1/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
55.00	323.00	Survey #1 Surface Gryo (Wellbore #1)	NS-GYRO-MS
409.00	4,921.00	Survey #2 - Surface MWD Surveys (Wellb	SDI MWD
4,966.00	5,919.00	Survey #3 - Curve MWD Survey (Wellbore	SDI MWD
6,015.00	12,720.00	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 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
55.00	0.03	61.50	55.00
85.00	0.17	331.31	85.00
115.00	0.50	300.37	115.00
145.00	0.63	282.80	145.00
175.00	0.73	276.34	175.00
205.00	0.76	282.12	204.99
235.00	0.65	285.58	234.99
265.00	0.66	282.43	264.99
			0.00
			0.01
			0.05
			0.15
			0.26
			0.32
			0.38
			0.47
			0.55
			1,911,888.80
			1,911,888.81
			1,911,888.85
			1,911,888.95
			1,911,889.06
			1,911,889.11
			1,911,889.17
			1,911,889.26
			1,911,889.34
			598,260.46
			598,260.47
			598,260.46
			598,260.32
			598,260.05
			598,259.70
			598,259.31
			598,258.96
			598,258.62
			36.2540600
			36.2540600
			36.2540601
			36.2540604
			36.2540607
			36.2540608
			36.2540610
			36.2540613
			36.2540615
			-107.5000700
			-107.5000700
			-107.5000700
			-107.5000705
			-107.5000714
			-107.5000726
			-107.5000739
			-107.5000751
			-107.5000763

CONFIDENTIAL

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #902H - Slot A1
Project:	T23N R6W	TVD Reference:	GL 6882' & RKB 25' @ 6907.00usft (Aztec 1000)
Site:	Chaco 2306-04E	MD Reference:	GL 6882' & RKB 25' @ 6907.00usft (Aztec 1000)
Well:	NE Chaco Com #902H	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
295.00	0.56	291.82	294.99	0.64	-2.14	1,911,889.43	598,258.32	36.2540617	-107.5000773
323.00	0.53	300.68	322.99	0.76	-2.38	1,911,889.55	598,258.08	36.2540621	-107.5000781
409.00	0.69	351.09	408.98	1.47	-2.80	1,911,890.26	598,257.65	36.2540640	-107.5000795
First SDI Surface MWD Survey									
452.00	0.40	328.63	451.98	1.86	-2.92	1,911,890.65	598,257.53	36.2540651	-107.5000799
543.00	2.16	293.89	542.95	2.82	-4.65	1,911,891.61	598,255.80	36.2540677	-107.5000858
634.00	3.87	289.04	633.83	4.52	-9.12	1,911,893.29	598,251.32	36.2540724	-107.5001010
725.00	5.28	275.28	724.54	5.91	-16.20	1,911,894.65	598,244.24	36.2540762	-107.5001250
816.00	7.28	266.70	814.99	5.96	-26.12	1,911,894.67	598,234.32	36.2540763	-107.5001586
907.00	7.86	266.48	905.19	5.24	-38.09	1,911,893.91	598,222.35	36.2540744	-107.5001992
999.00	9.94	271.91	996.08	5.12	-52.31	1,911,893.74	598,208.14	36.2540740	-107.5002474
1,089.00	11.20	273.08	1,084.55	5.85	-68.80	1,911,894.41	598,191.84	36.2540761	-107.5003034
1,181.00	12.77	267.18	1,174.55	5.83	-87.88	1,911,894.33	598,172.56	36.2540760	-107.5003681
1,272.00	13.14	269.48	1,263.23	5.24	-108.27	1,911,893.67	598,152.18	36.2540744	-107.5004372
1,363.00	12.78	265.29	1,351.92	4.32	-128.64	1,911,892.68	598,131.81	36.2540718	-107.5005063
1,455.00	12.61	266.32	1,441.67	2.84	-148.80	1,911,891.13	598,111.65	36.2540678	-107.5005747
1,546.00	12.69	266.29	1,530.46	1.56	-168.69	1,911,889.78	598,091.76	36.2540643	-107.5006422
1,638.00	12.24	266.67	1,620.29	0.34	-188.51	1,911,888.49	598,071.95	36.2540609	-107.5007094
1,729.00	11.95	267.05	1,709.27	-0.71	-207.55	1,911,887.38	598,052.91	36.2540580	-107.5007740
1,820.00	12.04	267.69	1,798.28	-1.58	-226.44	1,911,886.45	598,034.03	36.2540556	-107.5008380
1,912.00	12.07	268.39	1,888.25	-2.23	-245.65	1,911,885.72	598,014.83	36.2540538	-107.5009032
2,003.00	11.79	267.88	1,977.29	-2.84	-264.45	1,911,885.05	597,996.03	36.2540522	-107.5009669
2,094.00	11.65	268.92	2,066.39	-3.36	-282.92	1,911,884.47	597,977.55	36.2540507	-107.5010296
2,186.00	11.55	268.65	2,156.51	-3.75	-301.42	1,911,884.01	597,959.06	36.2540497	-107.5010923
2,277.00	12.98	267.69	2,245.43	-4.38	-320.74	1,911,883.32	597,939.74	36.2540479	-107.5011579
2,369.00	12.88	267.22	2,335.10	-5.29	-341.30	1,911,882.33	597,919.18	36.2540454	-107.5012276
2,460.00	12.66	265.72	2,423.85	-8.53	-361.38	1,911,881.03	597,899.11	36.2540420	-107.5012957
2,551.00	12.49	265.69	2,512.67	-8.01	-381.13	1,911,879.48	597,879.36	36.2540380	-107.5013627
2,642.00	12.49	266.63	2,601.51	-9.33	-400.77	1,911,878.09	597,859.72	36.2540343	-107.5014293
2,734.00	11.81	265.25	2,691.45	-10.70	-420.08	1,911,876.66	597,840.42	36.2540306	-107.5014948
2,825.00	12.35	267.89	2,780.44	-11.82	-439.09	1,911,875.46	597,821.41	36.2540275	-107.5015593
2,916.00	12.36	266.56	2,869.33	-12.77	-458.54	1,911,874.46	597,801.97	36.2540249	-107.5016252
3,007.00	11.99	266.43	2,958.28	-13.94	-477.69	1,911,873.22	597,782.82	36.2540217	-107.5016902
3,099.00	12.44	268.70	3,048.20	-14.76	-497.14	1,911,872.33	597,763.38	36.2540194	-107.5017561
3,190.00	12.04	267.92	3,137.13	-15.33	-516.42	1,911,871.70	597,744.10	36.2540179	-107.5018215
3,281.00	13.17	272.55	3,225.94	-15.21	-536.26	1,911,871.75	597,724.25	36.2540182	-107.5018888
3,372.00	13.02	272.27	3,314.57	-14.34	-556.86	1,911,872.54	597,703.65	36.2540206	-107.5019587
3,463.00	12.49	272.42	3,403.33	-13.52	-576.94	1,911,873.29	597,683.57	36.2540228	-107.5020268
3,554.00	12.22	272.39	3,492.22	-12.70	-596.39	1,911,874.04	597,664.12	36.2540251	-107.5020928
3,646.00	12.41	272.85	3,582.10	-11.81	-615.99	1,911,874.87	597,644.51	36.2540275	-107.5021592
3,737.00	12.77	271.64	3,670.91	-11.03	-635.81	1,911,875.58	597,624.69	36.2540296	-107.5022265
3,828.00	12.60	270.77	3,759.69	-10.61	-655.79	1,911,875.93	597,604.71	36.2540308	-107.5022942
3,919.00	12.66	270.31	3,848.49	-10.42	-675.69	1,911,876.05	597,584.81	36.2540313	-107.5023617
4,010.00	12.23	269.10	3,937.35	-10.52	-695.30	1,911,875.89	597,565.21	36.2540310	-107.5024282
4,101.00	12.08	269.55	4,026.31	-10.75	-714.45	1,911,875.59	597,546.05	36.2540304	-107.5024932
4,192.00	11.89	269.78	4,115.33	-10.86	-733.35	1,911,875.42	597,527.15	36.2540301	-107.5025573
4,283.00	11.86	271.26	4,204.38	-10.69	-752.07	1,911,875.52	597,508.43	36.2540306	-107.5026208
4,374.00	11.79	268.72	4,293.45	-10.69	-770.72	1,911,875.46	597,489.78	36.2540306	-107.5026840
4,466.00	11.14	259.13	4,383.62	-12.58	-788.84	1,911,873.51	597,471.66	36.2540254	-107.5027455
4,557.00	11.03	258.80	4,472.93	-15.93	-806.02	1,911,870.10	597,454.50	36.2540162	-107.5028037
4,648.00	10.28	256.87	4,562.36	-19.46	-822.46	1,911,866.51	597,438.07	36.2540065	-107.5028595
4,693.00	9.94	254.55	4,606.66	-21.41	-830.12	1,911,864.54	597,430.42	36.2540011	-107.5028855
4,739.00	9.48	236.05	4,652.01	-24.58	-837.09	1,911,861.34	597,423.46	36.2539924	-107.5029091
4,784.00	9.58	206.47	4,696.42	-30.01	-841.84	1,911,855.90	597,418.73	36.2539775	-107.5029252
4,829.00	9.52	180.19	4,740.81	-37.08	-843.52	1,911,848.81	597,417.08	36.2539581	-107.5029309

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #902H - Slot A1
Project:	T23N R6W	TVD Reference:	GL 6882' & RKB 25' @ 6907.00usft (Aztec 1000)
Site:	Chaco 2306-04E	MD Reference:	GL 6882' & RKB 25' @ 6907.00usft (Aztec 1000)
Well:	NE Chaco Com #902H	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
4,875.00	9.06	147.67	4,786.24	-43.95	-841.59	1,911,841.95	597,419.03	36.2539392	-107.5029244
4,921.00	8.56	137.37	4,831.70	-49.53	-837.34	1,911,836.39	597,423.30	36.2539239	-107.5029099
Last SDI Surface MWD Survey									
4,966.00	10.20	142.75	4,876.10	-55.17	-832.66	1,911,830.77	597,428.00	36.2539084	-107.5028941
First SDI Curve MWD Survey									
5,012.00	11.91	143.24	4,921.24	-62.21	-827.35	1,911,823.74	597,433.33	36.2538890	-107.5028761
5,058.00	14.86	142.93	4,965.99	-70.72	-820.95	1,911,815.25	597,439.76	36.2538657	-107.5028544
5,103.00	19.44	141.07	5,008.98	-81.16	-812.76	1,911,804.84	597,447.98	36.2538370	-107.5028266
5,149.00	24.45	140.56	5,051.63	-94.47	-801.90	1,911,791.57	597,458.89	36.2538004	-107.5027898
5,195.00	27.83	138.23	5,092.92	-109.84	-788.69	1,911,776.25	597,472.15	36.2537582	-107.5027450
5,240.00	32.18	138.01	5,131.88	-126.59	-773.67	1,911,759.55	597,487.23	36.2537122	-107.5026940
5,285.00	36.90	138.92	5,168.94	-145.69	-756.77	1,911,740.51	597,504.20	36.2536597	-107.5026367
5,331.00	40.98	137.30	5,204.71	-167.19	-737.46	1,911,719.07	597,523.58	36.2536006	-107.5025712
5,377.00	44.63	135.93	5,238.45	-189.90	-715.98	1,911,696.44	597,545.14	36.2535383	-107.5024984
5,422.00	49.86	135.98	5,268.99	-213.64	-693.02	1,911,672.78	597,568.18	36.2534731	-107.5024205
5,468.00	55.11	136.49	5,296.99	-239.98	-667.79	1,911,646.52	597,593.50	36.2534007	-107.5023349
5,513.00	59.09	136.69	5,321.43	-267.43	-641.84	1,911,619.17	597,619.55	36.2533253	-107.5022469
5,559.00	58.58	136.73	5,345.24	-296.08	-614.85	1,911,590.61	597,646.64	36.2532466	-107.5021553
5,604.00	63.66	134.75	5,366.97	-324.27	-587.34	1,911,562.51	597,674.23	36.2531691	-107.5020621
5,650.00	67.79	134.60	5,385.87	-353.75	-557.53	1,911,533.13	597,704.15	36.2530882	-107.5019609
5,695.00	70.70	133.52	5,401.82	-383.01	-527.29	1,911,503.98	597,734.49	36.2530078	-107.5018584
5,741.00	75.36	133.35	5,415.24	-413.25	-495.35	1,911,473.85	597,766.53	36.2529247	-107.5017501
5,786.00	78.00	131.68	5,425.61	-442.83	-463.08	1,911,444.38	597,798.91	36.2528435	-107.5016406
5,832.00	81.75	132.38	5,433.69	-473.15	-429.45	1,911,414.18	597,832.64	36.2527602	-107.5015265
5,878.00	84.86	135.02	5,439.06	-504.71	-396.43	1,911,382.73	597,865.77	36.2526735	-107.5014145
5,919.00	89.93	133.92	5,440.92	-533.39	-367.21	1,911,354.15	597,895.09	36.2525947	-107.5013155
Last SDI Curve MWD Survey									
5,966.00	90.33	133.20	5,440.81	-565.78	-333.15	1,911,321.88	597,929.26	36.2525057	-107.5011999
7" Casing @ 5966' MD - 36.2525057, -107.5011999									
6,015.00	90.74	132.45	5,440.36	-599.08	-297.22	1,911,288.70	597,965.31	36.2524142	-107.5010781
First SDI Lateral MWD Survey									
6,060.00	90.30	132.22	5,439.95	-629.39	-263.95	1,911,258.51	597,998.68	36.2523310	-107.5009652
6,152.00	91.51	131.37	5,438.50	-690.69	-195.37	1,911,197.44	598,067.46	36.2521626	-107.5007327
6,243.00	90.87	131.77	5,436.61	-751.06	-127.31	1,911,137.31	598,135.74	36.2519967	-107.5005018
6,334.00	90.47	131.20	5,435.54	-811.34	-59.14	1,911,077.26	598,204.11	36.2518311	-107.5002706
6,425.00	90.30	129.93	5,434.93	-870.51	9.98	1,911,018.33	598,273.44	36.2516686	-107.5000362
6,516.00	90.57	131.06	5,434.24	-929.60	79.18	1,910,959.47	598,342.84	36.2515062	-107.4998015
6,607.00	91.85	131.08	5,432.32	-989.37	147.77	1,910,899.94	598,411.64	36.2513420	-107.4995689
6,698.00	91.34	132.41	5,429.79	-1,049.94	215.64	1,910,839.61	598,479.71	36.2511757	-107.4993387
6,789.00	90.84	132.98	5,428.06	-1,111.63	282.51	1,910,778.14	598,546.79	36.2510062	-107.4991119
6,881.00	90.34	133.13	5,427.11	-1,174.44	349.73	1,910,715.57	598,614.23	36.2508337	-107.4988839
6,972.00	90.20	132.90	5,426.68	-1,236.52	416.27	1,910,653.72	598,680.98	36.2506631	-107.4986583
7,063.00	90.17	133.12	5,426.39	-1,298.59	482.81	1,910,591.88	598,747.73	36.2504926	-107.4984326
7,154.00	90.17	132.95	5,426.12	-1,360.69	549.32	1,910,530.01	598,814.46	36.2503220	-107.4982070
7,245.00	90.50	133.46	5,425.58	-1,422.99	615.65	1,910,467.94	598,881.01	36.2501508	-107.4979821
7,336.00	90.37	133.21	5,424.89	-1,485.44	681.84	1,910,405.72	598,947.41	36.2499793	-107.4977576
7,427.00	90.31	133.00	5,424.35	-1,547.62	748.28	1,910,343.76	599,014.06	36.2498085	-107.4975323
7,518.00	90.71	133.30	5,423.54	-1,609.85	814.67	1,910,281.76	599,080.66	36.2496375	-107.4973072
7,609.00	90.07	133.21	5,422.92	-1,672.21	880.94	1,910,219.63	599,147.15	36.2494662	-107.4970824
7,701.00	90.50	133.17	5,422.47	-1,735.18	948.02	1,910,156.90	599,214.44	36.2492932	-107.4968549
7,792.00	90.50	133.30	5,421.67	-1,797.51	1,014.31	1,910,094.79	599,280.95	36.2491220	-107.4966301
7,883.00	90.10	133.25	5,421.19	-1,859.89	1,080.57	1,910,032.64	599,347.42	36.2489506	-107.4964054
7,974.00	90.74	133.31	5,420.53	-1,922.27	1,146.81	1,909,970.48	599,413.88	36.2487792	-107.4961808
8,065.00	90.64	133.42	5,419.43	-1,984.75	1,212.96	1,909,908.23	599,480.25	36.2486076	-107.4959564

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #902H - Slot A1
Project:	T23N R6W	TVD Reference:	GL 6882' & RKB 25' @ 6907.00usft (Aztec 1000)
Site:	Chaco 2306-04E	MD Reference:	GL 6882' & RKB 25' @ 6907.00usft (Aztec 1000)
Well:	NE Chaco Com #902H	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	
8,156.00	90.13	133.36	5,418.82	-2,047.26	1,279.09	1,909,845.95	599,546.59	36.2484358	-107.4957322	
8,247.00	90.57	132.56	5,418.26	-2,109.28	1,345.69	1,909,784.16	599,613.39	36.2482655	-107.4955063	
8,339.00	90.74	132.55	5,417.21	-2,171.49	1,413.45	1,909,722.18	599,681.37	36.2480945	-107.4952765	
8,431.00	90.13	132.20	5,416.51	-2,233.50	1,481.41	1,909,660.41	599,749.55	36.2479242	-107.4950461	
8,522.00	90.57	132.08	5,415.96	-2,294.55	1,548.89	1,909,599.59	599,817.23	36.2477565	-107.4948172	
8,614.00	90.27	131.90	5,415.28	-2,356.10	1,617.27	1,909,538.28	599,885.82	36.2475874	-107.4945854	
8,705.00	90.44	132.45	5,414.72	-2,417.19	1,684.71	1,909,477.42	599,953.47	36.2474195	-107.4943567	
8,796.00	90.34	132.40	5,414.10	-2,478.58	1,751.88	1,909,416.26	600,020.85	36.2472509	-107.4941289	
8,888.00	90.40	133.44	5,413.51	-2,541.23	1,819.25	1,909,353.84	600,088.44	36.2470788	-107.4939004	
8,978.00	90.20	132.71	5,413.04	-2,602.69	1,884.99	1,909,292.60	600,154.39	36.2469099	-107.4936775	
9,070.00	90.27	132.42	5,412.66	-2,664.93	1,952.75	1,909,230.61	600,222.36	36.2467389	-107.4934477	
9,162.00	90.74	132.38	5,411.85	-2,726.96	2,020.68	1,909,168.81	600,290.51	36.2465685	-107.4932174	
9,253.00	89.77	132.27	5,411.44	-2,788.23	2,087.96	1,909,107.77	600,358.00	36.2464002	-107.4929892	
9,344.00	91.04	133.67	5,410.80	-2,850.25	2,154.54	1,909,045.97	600,424.79	36.2462298	-107.4927634	
9,436.00	89.97	133.14	5,409.99	-2,913.47	2,221.38	1,908,982.99	600,491.85	36.2460561	-107.4925368	
9,527.00	90.50	132.95	5,409.61	-2,975.58	2,287.88	1,908,921.11	600,558.56	36.2458855	-107.4923113	
9,618.00	90.47	132.37	5,408.84	-3,037.24	2,354.80	1,908,859.67	600,625.69	36.2457160	-107.4920844	
9,710.00	90.54	132.09	5,408.03	-3,099.08	2,422.92	1,908,798.08	600,694.02	36.2455462	-107.4918534	
9,801.00	89.80	132.85	5,407.76	-3,160.52	2,490.04	1,908,736.87	600,761.36	36.2453774	-107.4916258	
9,892.00	90.54	133.34	5,407.49	-3,222.69	2,556.49	1,908,674.92	600,828.02	36.2452066	-107.4914004	
9,983.00	90.13	133.02	5,406.96	-3,284.96	2,622.84	1,908,612.88	600,894.59	36.2450355	-107.4911754	
10,074.00	90.07	132.79	5,406.80	-3,346.91	2,689.50	1,908,551.16	600,961.46	36.2448653	-107.4909494	
10,165.00	90.67	132.60	5,406.21	-3,408.62	2,756.38	1,908,489.69	601,028.55	36.2446957	-107.4907226	
10,256.00	89.93	131.71	5,405.74	-3,469.69	2,823.84	1,908,428.85	601,096.22	36.2445280	-107.4904939	
10,347.00	90.17	132.96	5,405.66	-3,530.97	2,891.11	1,908,367.80	601,163.70	36.2443596	-107.4902658	
10,438.00	89.78	133.00	5,405.70	-3,593.01	2,957.68	1,908,305.99	601,230.49	36.2441891	-107.4900400	
10,529.00	91.28	132.82	5,404.86	-3,654.96	3,024.33	1,908,244.26	601,297.34	36.2440189	-107.4898140	
10,620.00	90.40	132.05	5,403.52	-3,716.36	3,091.48	1,908,183.10	601,364.71	36.2438503	-107.4895863	
10,711.00	90.57	132.50	5,402.75	-3,777.57	3,158.81	1,908,122.12	601,432.25	36.2436821	-107.4893580	
10,802.00	90.77	131.79	5,401.69	-3,838.63	3,226.28	1,908,061.29	601,499.93	36.2435143	-107.4891293	
10,893.00	90.13	133.35	5,400.97	-3,900.18	3,293.29	1,907,999.97	601,567.15	36.2433452	-107.4889020	
10,983.00	90.37	133.79	5,400.58	-3,962.21	3,358.50	1,907,938.16	601,632.57	36.2431748	-107.4886809	
11,074.00	90.44	133.76	5,399.94	-4,025.17	3,424.20	1,907,875.43	601,698.49	36.2430018	-107.4884581	
11,165.00	90.20	133.82	5,399.43	-4,088.14	3,489.90	1,907,812.69	601,764.40	36.2428288	-107.4882354	
11,256.00	90.30	133.76	5,399.03	-4,151.11	3,555.59	1,907,749.94	601,830.31	36.2426558	-107.4880127	
11,347.00	90.50	133.68	5,398.40	-4,214.01	3,621.35	1,907,687.28	601,896.29	36.2424830	-107.4877897	
11,438.00	90.27	133.12	5,397.79	-4,276.53	3,687.47	1,907,624.98	601,962.62	36.2423112	-107.4875655	
11,529.00	90.03	133.04	5,397.55	-4,338.68	3,753.93	1,907,563.06	602,029.30	36.2421404	-107.4873401	
11,620.00	90.34	132.81	5,397.25	-4,400.66	3,820.57	1,907,501.31	602,096.14	36.2419702	-107.4871142	
11,712.00	89.93	132.32	5,397.04	-4,462.89	3,888.33	1,907,439.31	602,164.12	36.2417992	-107.4868844	
11,803.00	89.80	132.11	5,397.25	-4,524.03	3,955.72	1,907,378.40	602,231.72	36.2416312	-107.4866559	
11,893.00	89.63	132.18	5,397.70	-4,584.42	4,022.45	1,907,318.24	602,298.66	36.2414653	-107.4864297	
11,984.00	89.60	131.94	5,398.31	-4,645.38	4,090.01	1,907,257.51	602,366.43	36.2412978	-107.4862006	
12,075.00	89.40	132.12	5,399.10	-4,706.31	4,157.61	1,907,196.82	602,434.23	36.2411304	-107.4859714	
12,167.00	89.53	132.07	5,399.96	-4,767.98	4,225.87	1,907,135.39	602,502.71	36.2409609	-107.4857400	
12,258.00	89.73	132.44	5,400.55	-4,829.17	4,293.22	1,907,074.43	602,570.27	36.2407928	-107.4855116	
12,349.00	90.20	131.99	5,400.61	-4,890.31	4,360.62	1,907,013.52	602,637.88	36.2406248	-107.4852831	
12,440.00	88.64	132.12	5,401.53	-4,951.26	4,428.18	1,906,952.80	602,705.65	36.2404573	-107.4850540	
12,531.00	88.69	133.70	5,403.65	-5,013.20	4,494.81	1,906,891.09	602,772.49	36.2402872	-107.4848281	
12,596.00	89.27	134.31	5,404.81	-5,058.35	4,541.56	1,906,846.10	602,819.39	36.2401631	-107.4846696	
RSI @ 12,596' MD - 36.2401631, -107.4846696										
12,622.00	89.50	134.55	5,405.09	-5,076.55	4,560.12	1,906,827.97	602,838.02	36.2401131	-107.4846067	
12,667.00	89.87	134.49	5,405.33	-5,108.10	4,592.21	1,906,796.53	602,870.22	36.2400264	-107.4844979	
Last SDI Lateral MWD Survey										

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #902H - Slot A1
Project:	T23N R6W	TVD Reference:	GL 6882' & RKB 25' @ 6907.00usft (Aztec 1000)
Site:	Chaco 2306-04E	MD Reference:	GL 6882' & RKB 25' @ 6907.00usft (Aztec 1000)
Well:	NE Chaco Com #902H	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
12,720.00	89.87	134.49	5,405.45	-5,145.24	4,630.02	1,906,759.52	602,908.15	36.2399244	-107.4843697
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
409.00	408.98	1.47	-2.80	First SDI Surface MWD Survey
4,921.00	4,831.70	-49.53	-837.34	Last SDI Surface MWD Survey
4,966.00	4,876.10	-55.17	-832.66	First SDI Curve MWD Survey
5,919.00	5,440.92	-533.39	-367.21	Last SDI Curve MWD Survey
5,966.00	5,440.81	-565.78	-333.15	7" Casing @ 5966' MD
5,966.00	5,440.81	-565.78	-333.15	36.2525057, -107.5011999
6,015.00	5,440.36	-599.08	-297.22	First SDI Lateral MWD Survey
12,596.00	5,404.81	-5,058.35	4,541.56	RSI @ 12,596' MD
12,596.00	5,404.81	-5,058.35	4,541.56	36.2401631, -107.4846696
12,667.00	5,405.33	-5,108.10	4,592.21	Last SDI Lateral MWD Survey
12,720.00	5,405.45	-5,145.24	4,630.02	Projection to TD

Checked By: _____	Approved By: _____	Date: _____
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