

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

CONFIDENTIAL

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ ADJ Number 30-039-31298	² Pool Code 98088	³ Pool Name CHACO UNIT NE HZ (OIL)
⁴ Property Code 313800	⁵ Property Name NE CHACO COM	⁶ Well Number 912H
⁷ GRID No. 120782	⁸ Operator Name WPX ENERGY PRODUCTION, LLC	⁹ Elevation 6882'

¹⁰Surface 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		2425	NORTH	231	WEST	RIO ARriba

¹¹Bottom 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
A	8	23N	6W		792	NORTH	337	EAST	RIO ARriba

¹² Dedicated Acres 960.56	Entire Section 5 N/2 - Section 8	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13817A	Total Acres = 9,237.3
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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

POINT-OF-ENTRY
1842' FNL 368' FWL
SECTION 5, T23N, R6W
LAT: 36.255603°N
LONG: 107.499636°W
DATUM: NAD1927

LAT: 36.255616°N
LONG: 107.500241°W
DATUM: NAD1983

SURFACE LOCATION
2425' FNL 231' FWL
SECTION 5, T23N, R6W
LAT: 36.254004°N
LONG: 107.500078°W
DATUM: NAD1927

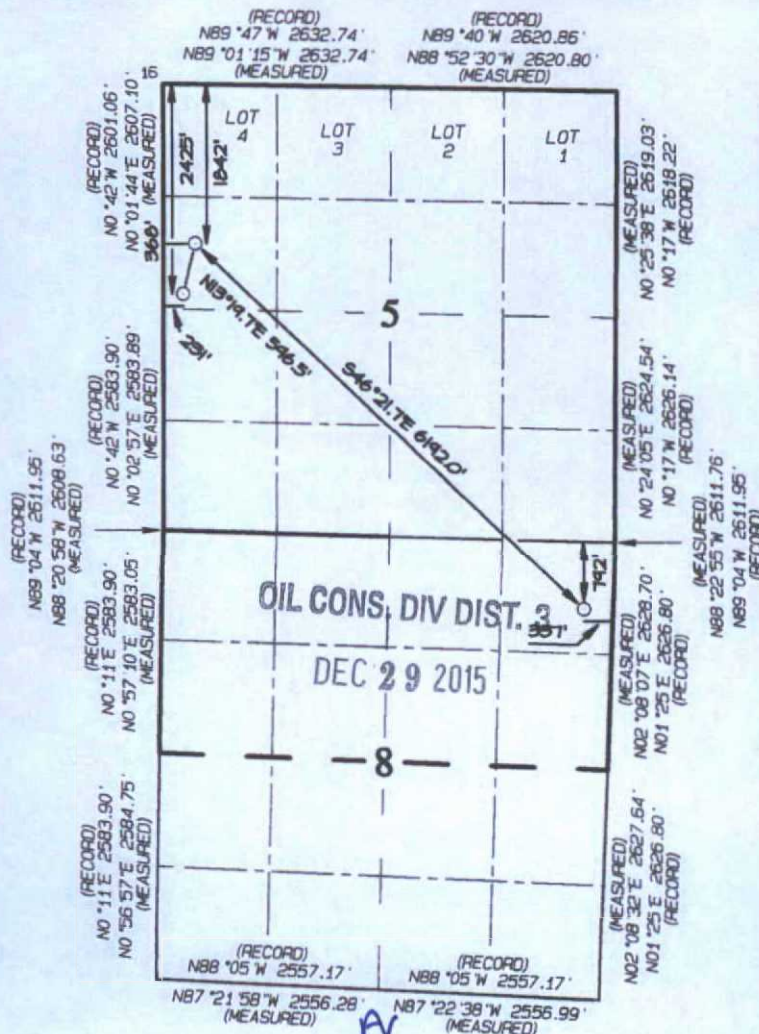
LAT: 36.254017°N
LONG: 107.500683°W
DATUM: NAD1983

RSI TOOL
713' FNL 423' FEL
SECTION 8, T23N, R6W
LAT: 36.244245°N
LONG: 107.484540°W
DATUM: NAD1927

LAT: 36.244259°N
LONG: 107.485145°W
DATUM: NAD1983

END-OF-LATERAL
792' FNL 337' FEL
SECTION 8, T23N, R6W
LAT: 36.244025°N
LONG: 107.484256°W
DATUM: NAD1927

LAT: 36.244038°N
LONG: 107.484860°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 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 _____ Date 12/29/15

LACEY GRANILLO

Printed Name

lacey.granillo@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: DECEMBER 16, 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 #912H

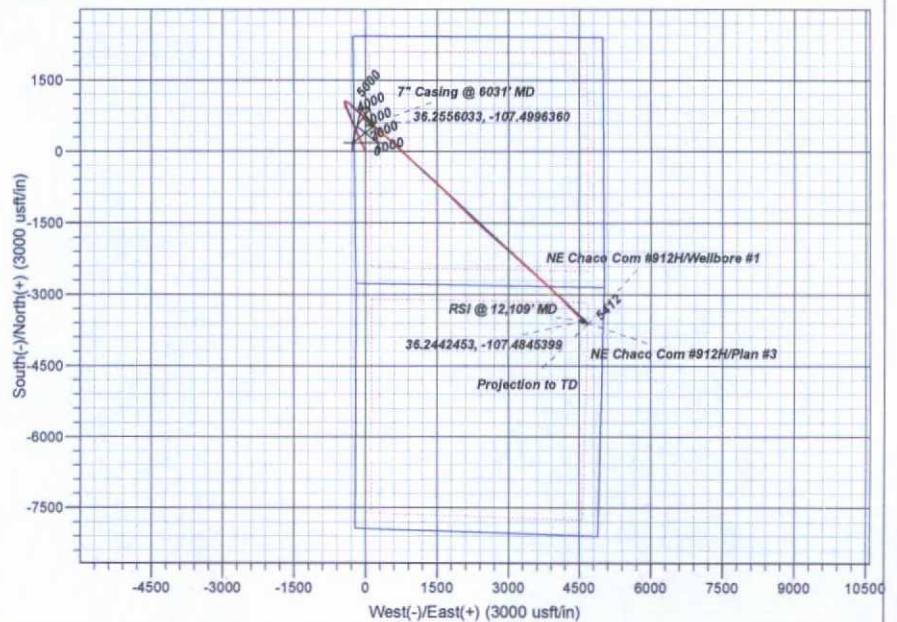
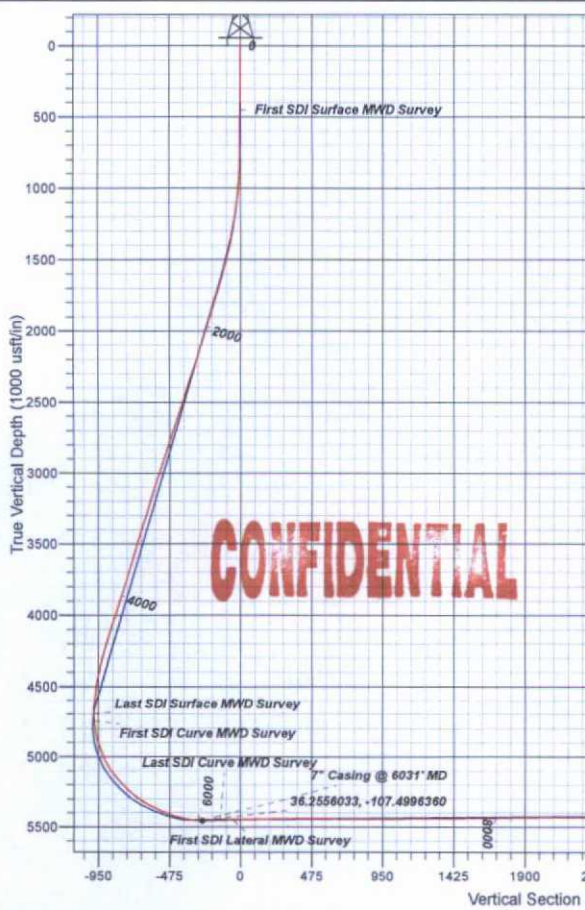


Azimuths to True North
Magnetic North: 8.98°

Magnetic Field
Strength: 49788.4enT
Dip Angle: 62.95°
Date: 11/30/2015
Model: HDGM

WELL DETAILS: NE Chaco Com #912H

+N/-S	+E/-W	GL 6882' & RKB 25' @ 6907.00usft (Aztec 1000)	6882.00
0.00	0.00	Northings	Easting
		1911868.30	598258.03
		Latitude	Longitude
		36.2540037	-107.5000785
			A2



NE Chaco Com #912H/Wellbore #1
Last SDI Lateral MWD Survey
RSI @ 12,109' MD
36.2442453, -107.4845399
NE Chaco Com #912H/Plan #3

Design: Wellbore #1 (NE Chaco Com #912H/Wellbore #1)
Created By: Janie Collins Date: 18:06, December 14 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 #912H - Slot A2
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 #912H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Project	T23N R6W		OIL CONS. DIV DIST. 3	
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	Latitude:	36.2536100
From:	Lat/Long	Easting:	603,945.66 usft	Longitude:	-107.4807900
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.21 °

Well	NE Chaco Com #912H - Slot A2					
Well Position	+N/-S	0.00 usft	Northing:	1,911,868.30 usft	Latitude:	36.2540037
	+E/-W	0.00 usft	Easting:	598,258.03 usft	Longitude:	-107.5000785
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,882.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	11/30/2015	8.98	62.95	49,788

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)	Direction (°)	
	0.00	0.00	0.00	127.90	

Survey Program	Date 12/14/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
55.00	315.00	Survey #1 Surface Gyro (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s
451.00	4,873.00	Survey #2 - Surface MWD (Wellbore #1)	SDI MWD	SDI MWD - Standard ver 1.0.1
4,919.00	6,147.00	Survey #3 - Curve MWD Survey (Wellbore)	SDI MWD	SDI MWD - Standard ver 1.0.1
6,239.00	12,225.00	Survey #4 - Lateral MWD Survey (Wellbor	SDI MWD	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	1,911,868.30	598,258.03	36.2540037	-107.5000785
55.00	0.40	228.21	55.00	-0.13	-0.14	1,911,868.17	598,257.89	36.2540033	-107.5000790
85.00	0.59	215.25	85.00	-0.32	-0.31	1,911,867.98	598,257.72	36.2540028	-107.5000796
115.00	1.12	261.29	115.00	-0.49	-0.69	1,911,867.81	598,257.35	36.2540023	-107.5000809
145.00	0.87	239.10	144.99	-0.66	-1.17	1,911,867.64	598,256.86	36.2540019	-107.5000825
175.00	1.06	244.64	174.99	-0.89	-1.62	1,911,867.41	598,256.42	36.2540012	-107.5000840
205.00	0.87	264.49	204.98	-1.03	-2.10	1,911,867.26	598,255.94	36.2540009	-107.5000856
235.00	0.97	253.36	234.98	-1.13	-2.57	1,911,867.17	598,255.47	36.2540006	-107.5000872
265.00	0.94	256.89	264.97	-1.26	-3.05	1,911,867.04	598,254.99	36.2540002	-107.5000889

CONFIDENTIAL



Survey Report - Geographic



Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #912H - Slot A2
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 #912H	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	0.86	275.43	294.97	-1.29	-3.51	1,911,867.00	598,254.52	36.2540001	-107.5000904
315.00	0.88	259.88	314.97	-1.30	-3.82	1,911,866.99	598,254.22	36.2540001	-107.5000915
451.00	0.94	276.78	450.95	-1.35	-5.95	1,911,866.93	598,252.09	36.2540000	-107.5000987
First SDI Surface MWD Survey									
542.00	1.26	265.88	541.93	-1.34	-7.69	1,911,866.94	598,250.35	36.2540000	-107.5001046
633.00	0.12	175.76	632.93	-1.51	-8.68	1,911,866.77	598,249.36	36.2539996	-107.5001080
724.00	0.20	235.77	723.93	-1.69	-8.81	1,911,866.58	598,249.23	36.2539991	-107.5001084
816.00	1.98	341.43	814.91	-0.29	-9.44	1,911,867.98	598,248.60	36.2540029	-107.5001105
905.00	3.93	341.43	905.78	4.16	-10.93	1,911,872.42	598,247.09	36.2540151	-107.5001156
997.00	5.64	343.04	996.46	11.39	-13.23	1,911,879.65	598,244.76	36.2540350	-107.5001234
1,089.00	7.16	340.98	1,087.89	21.14	-16.42	1,911,889.38	598,241.54	36.2540618	-107.5001342
1,180.00	8.71	338.98	1,178.01	32.93	-20.74	1,911,901.16	598,237.18	36.2540942	-107.5001488
1,271.00	10.31	339.68	1,267.76	47.00	-26.04	1,911,915.21	598,231.84	36.2541328	-107.5001668
1,362.00	12.58	337.04	1,356.95	63.76	-32.73	1,911,931.95	598,225.08	36.2541789	-107.5001895
1,453.00	14.38	339.76	1,445.44	83.49	-40.51	1,911,951.66	598,217.24	36.2542331	-107.5002159
1,544.00	17.03	338.94	1,533.03	106.54	-49.21	1,911,974.67	598,208.46	36.2542964	-107.5002454
1,636.00	17.51	338.67	1,620.88	132.00	-59.08	1,912,000.10	598,198.50	36.2543663	-107.5002789
1,727.00	17.39	338.38	1,707.70	157.39	-69.07	1,912,025.46	598,188.42	36.2544361	-107.5003128
1,819.00	18.64	336.46	1,795.18	183.65	-80.01	1,912,051.68	598,177.39	36.2545082	-107.5003499
1,911.00	17.98	334.83	1,882.53	209.99	-91.92	1,912,077.97	598,165.39	36.2545805	-107.5003903
2,002.00	17.44	332.64	1,969.21	234.81	-104.16	1,912,102.75	598,153.06	36.2546487	-107.5004318
2,093.00	17.50	335.47	2,056.02	259.37	-116.11	1,912,127.27	598,141.03	36.2547162	-107.5004723
2,184.00	19.84	338.24	2,142.23	286.16	-127.52	1,912,154.02	598,129.53	36.2547898	-107.5005110
2,275.00	20.05	338.15	2,227.77	314.98	-139.05	1,912,182.80	598,117.90	36.2548690	-107.5005501
2,367.00	19.80	336.86	2,314.26	343.95	-151.04	1,912,211.73	598,105.81	36.2549486	-107.5005908
2,458.00	19.35	333.91	2,400.00	371.66	-163.73	1,912,239.40	598,093.03	36.2550247	-107.5006338
2,550.00	18.41	332.03	2,487.05	398.18	-177.24	1,912,265.87	598,079.42	36.2550975	-107.5006797
2,641.00	19.44	334.30	2,573.13	424.52	-190.55	1,912,292.16	598,066.02	36.2551699	-107.5007248
2,733.00	19.10	333.74	2,659.98	451.81	-203.85	1,912,319.41	598,052.63	36.2552449	-107.5007699
2,824.00	19.09	334.85	2,745.97	478.63	-216.76	1,912,346.19	598,039.63	36.2553186	-107.5008137
2,915.00	19.22	337.66	2,831.94	505.96	-228.78	1,912,373.47	598,027.51	36.2553936	-107.5008545
3,006.00	18.99	336.36	2,917.92	533.38	-240.41	1,912,400.85	598,015.79	36.2554689	-107.5008939
3,097.00	19.72	336.82	3,003.78	561.05	-252.39	1,912,428.49	598,003.71	36.2555450	-107.5009345
3,188.00	18.89	334.71	3,089.66	588.49	-264.73	1,912,455.88	597,991.28	36.2556203	-107.5009764
3,279.00	18.52	339.00	3,175.86	615.30	-276.20	1,912,482.65	597,979.72	36.2556940	-107.5010153
3,370.00	19.39	339.11	3,261.93	642.91	-286.77	1,912,510.22	597,969.06	36.2557698	-107.5010511
3,461.00	18.97	338.07	3,347.88	670.74	-297.68	1,912,538.02	597,958.05	36.2558463	-107.5010881
3,551.00	18.08	336.31	3,433.21	697.10	-308.75	1,912,564.34	597,946.89	36.2559187	-107.5011257
3,642.00	17.21	335.03	3,519.93	722.23	-320.11	1,912,589.43	597,935.44	36.2559877	-107.5011642
3,733.00	17.61	339.03	3,606.76	747.29	-330.72	1,912,614.45	597,924.75	36.2560566	-107.5012002
3,825.00	19.26	336.20	3,694.04	774.17	-341.82	1,912,641.30	597,913.55	36.2561304	-107.5012379
3,916.00	18.26	334.72	3,780.21	800.80	-353.97	1,912,667.88	597,901.31	36.2562036	-107.5012791
4,007.00	17.48	333.74	3,866.82	825.95	-366.10	1,912,692.98	597,889.09	36.2562727	-107.5013202
4,098.00	20.08	335.82	3,952.96	852.46	-378.55	1,912,719.45	597,876.55	36.2563455	-107.5013624
4,189.00	19.65	335.97	4,038.55	880.68	-391.18	1,912,747.64	597,863.83	36.2564230	-107.5014053
4,280.00	18.21	333.44	4,124.63	907.38	-403.77	1,912,774.29	597,851.15	36.2564964	-107.5014480
4,371.00	16.97	334.57	4,211.37	932.09	-415.83	1,912,798.96	597,839.00	36.2565642	-107.5014889
4,463.00	16.40	339.85	4,299.50	956.41	-426.07	1,912,823.24	597,826.68	36.2566311	-107.5015236
4,554.00	14.60	347.46	4,387.20	979.67	-432.99	1,912,846.48	597,821.68	36.2566950	-107.5015471
4,645.00	14.56	354.34	4,475.27	1,002.25	-436.80	1,912,869.05	597,817.98	36.2567570	-107.5015594
4,690.00	14.10	355.47	4,518.87	1,013.34	-437.60	1,912,880.14	597,816.95	36.2567875	-107.5015627
4,736.00	12.22	370	4,563.67	1,023.79	-437.72	1,912,890.58	597,816.79	36.2568162	-107.5015632
4,782.00	10.97	12.55	4,608.73	1,032.92	-436.46	1,912,899.72	597,818.02	36.2568412	-107.5015589
4,827.00	9.26	26.89	4,653.04	1,040.33	-433.89	1,912,907.14	597,820.57	36.2568616	-107.5015502



Survey Report - Geographic



Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #912H - Slot A2
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 #912H	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	
4,873.00	8.54	48.30	4,698.50	1,045.91	-429.66	1,912,912.72	597,824.77	36.2568769	-107.5015358	
Last SDI Surface MWD Survey										
4,919.00	9.16	70.69	4,743.96	1,049.39	-423.66	1,912,916.23	597,830.77	36.2568865	-107.5015154	
First SDI Curve MWD Survey										
4,964.00	10.33	93.25	4,788.33	1,050.35	-416.25	1,912,917.21	597,838.18	36.2568891	-107.5014901	
5,010.00	11.89	109.40	4,833.48	1,048.54	-407.66	1,912,915.43	597,846.77	36.2568841	-107.5014612	
5,055.00	14.32	116.11	4,877.30	1,044.55	-398.28	1,912,911.47	597,856.16	36.2568732	-107.5014294	
5,101.00	17.20	122.17	4,921.57	1,038.42	-387.42	1,912,905.38	597,867.05	36.2568563	-107.5013925	
5,146.00	19.46	128.78	4,964.29	1,030.18	-375.94	1,912,897.19	597,878.55	36.2568337	-107.5013536	
5,192.00	22.73	128.92	5,007.20	1,019.80	-363.05	1,912,886.84	597,891.48	36.2568052	-107.5013099	
5,238.00	27.43	129.37	5,048.85	1,007.49	-347.93	1,912,874.59	597,906.64	36.2567714	-107.5012586	
5,283.00	31.66	132.75	5,088.00	992.89	-331.24	1,912,860.04	597,923.38	36.2567313	-107.5012020	
5,329.00	35.58	133.76	5,126.29	975.43	-312.70	1,912,842.65	597,941.98	36.2566833	-107.5011391	
5,374.00	38.91	134.21	5,162.11	956.52	-293.11	1,912,823.80	597,961.63	36.2566313	-107.5010727	
5,420.00	42.30	132.28	5,197.03	936.02	-271.30	1,912,803.39	597,983.52	36.2565750	-107.5009987	
5,465.00	45.52	130.99	5,229.45	915.30	-247.97	1,912,782.74	598,006.92	36.2565181	-107.5009196	
5,511.00	48.90	130.58	5,260.69	893.25	-222.41	1,912,760.79	598,032.55	36.2564576	-107.5008329	
5,556.00	52.20	129.67	5,289.28	870.87	-195.84	1,912,738.49	598,059.20	36.2563961	-107.5007428	
5,602.00	55.49	129.92	5,316.42	847.10	-167.31	1,912,714.82	598,087.81	36.2563308	-107.5006460	
5,647.00	60.03	132.18	5,340.42	822.10	-138.63	1,912,689.92	598,116.58	36.2562621	-107.5005487	
5,693.00	59.91	132.18	5,363.44	795.36	-109.12	1,912,663.28	598,146.18	36.2561886	-107.5004486	
5,739.00	62.56	131.07	5,385.57	768.58	-78.97	1,912,636.60	598,176.42	36.2561151	-107.5003464	
5,784.00	66.44	129.49	5,404.94	742.33	-47.99	1,912,610.46	598,207.49	36.2560430	-107.5002413	
5,830.00	69.77	129.30	5,422.10	715.25	-15.01	1,912,583.49	598,240.56	36.2559686	-107.5001294	
5,875.00	74.44	130.98	5,435.92	687.64	17.71	1,912,556.00	598,273.38	36.2558927	-107.5000184	
5,921.00	80.01	133.00	5,446.09	657.64	51.04	1,912,526.11	598,306.81	36.2558103	-107.4999054	
5,966.00	85.03	133.79	5,451.94	626.99	83.44	1,912,495.58	598,339.32	36.2557261	-107.4997955	
6,031.00	87.94	133.32	5,455.93	582.29	130.46	1,912,451.04	598,386.48	36.2556033	-107.4996361	
7" Casing @ 6031' MD - 36.2556033, -107.4996360										
6,076.00	89.96	133.00	5,456.75	551.52	163.27	1,912,420.38	598,419.41	36.2555188	-107.4995248	
6,147.00	92.39	133.68	5,455.30	502.80	214.90	1,912,371.84	598,471.20	36.2553849	-107.4993497	
Last SDI Curve MWD Survey										
6,239.00	90.84	133.42	5,452.70	439.44	281.55	1,912,308.71	598,538.07	36.2552109	-107.4991236	
First SDI Lateral MWD Survey										
6,330.00	90.31	132.47	5,451.79	377.45	348.15	1,912,246.95	598,604.89	36.2550406	-107.4988977	
6,421.00	92.18	129.87	5,449.81	317.57	416.63	1,912,187.30	598,673.57	36.2548761	-107.4986655	
6,512.00	92.45	130.73	5,446.14	258.76	485.98	1,912,128.73	598,743.12	36.2547145	-107.4984303	
6,603.00	90.03	129.92	5,444.17	199.89	555.33	1,912,070.10	598,812.67	36.2545528	-107.4981950	
6,694.00	89.96	130.71	5,444.17	141.01	624.72	1,912,011.46	598,882.26	36.2543911	-107.4979597	
6,785.00	90.00	133.91	5,444.21	79.76	692.00	1,911,950.45	598,949.76	36.2542228	-107.4977315	
6,876.00	89.43	133.52	5,444.66	16.88	757.78	1,911,887.79	599,015.75	36.2540500	-107.4975084	
6,968.00	90.00	134.06	5,445.12	-46.79	824.19	1,911,824.35	599,082.38	36.2538751	-107.4972832	
7,059.00	90.07	134.10	5,445.06	-110.09	889.56	1,911,761.27	599,147.97	36.2537012	-107.4970615	
7,150.00	89.96	133.17	5,445.04	-172.89	955.42	1,911,698.70	599,214.04	36.2535287	-107.4968381	
7,241.00	90.30	130.85	5,444.83	-233.78	1,023.03	1,911,638.04	599,281.86	36.2533614	-107.4966088	
7,332.00	90.77	132.08	5,443.98	-294.04	1,091.22	1,911,578.02	599,350.26	36.2531959	-107.4963776	
7,423.00	89.77	131.62	5,443.55	-354.75	1,159.00	1,911,517.54	599,418.25	36.2530291	-107.4961477	
7,515.00	90.17	131.50	5,443.60	-415.78	1,227.84	1,911,456.75	599,487.30	36.2528614	-107.4959142	
7,606.00	90.20	132.74	5,443.31	-476.81	1,295.34	1,911,395.95	599,555.01	36.2526938	-107.4956853	
7,698.00	90.44	132.19	5,442.79	-538.92	1,363.21	1,911,334.07	599,623.08	36.2525231	-107.4954552	
7,790.00	90.74	133.07	5,441.85	-601.23	1,430.89	1,911,272.00	599,690.98	36.2523519	-107.4952256	
7,881.00	90.50	133.28	5,440.86	-663.49	1,497.25	1,911,209.97	599,757.56	36.2521809	-107.4950006	
7,972.00	90.92	134.49	5,439.73	-726.57	1,562.83	1,911,147.12	599,823.35	36.2520076	-107.4947782	
8,063.00	91.10	135.02	5,438.13	-790.63	1,627.44	1,911,083.28	599,888.18	36.2518316	-107.4945590	

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Corn #912H - Slot A2
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 Corn #912H	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
8,154.00	90.13	134.58	5,437.15	-854.74	1,692.01	1,911,019.38	599,952.97	36.2516555	-107.4943401
8,246.00	90.97	134.69	5,436.27	-919.38	1,757.47	1,910,954.98	600,018.66	36.2514779	-107.4941181
8,338.00	90.54	134.45	5,435.06	-983.94	1,823.00	1,910,890.64	600,084.41	36.2513005	-107.4938958
8,429.00	90.24	134.52	5,434.44	-1,047.70	1,887.92	1,910,827.10	600,149.55	36.2511254	-107.4936757
8,520.00	90.60	134.09	5,433.77	-1,111.26	1,953.05	1,910,763.77	600,214.89	36.2509507	-107.4934548
8,612.00	90.23	133.38	5,433.10	-1,174.86	2,019.52	1,910,700.40	600,281.58	36.2507760	-107.4932294
8,703.00	90.75	133.88	5,432.33	-1,237.65	2,085.38	1,910,637.84	600,347.66	36.2506035	-107.4930060
8,794.00	90.71	134.23	5,431.17	-1,300.92	2,150.77	1,910,574.79	600,413.27	36.2504297	-107.4927843
8,885.00	90.60	134.04	5,430.13	-1,364.28	2,216.08	1,910,511.65	600,478.79	36.2502556	-107.4925628
8,976.00	90.47	134.20	5,429.28	-1,427.63	2,281.41	1,910,448.53	600,544.34	36.2500816	-107.4923413
9,067.00	90.07	132.28	5,428.85	-1,489.97	2,347.69	1,910,386.42	600,610.84	36.2499103	-107.4921165
9,159.00	90.40	132.24	5,428.47	-1,551.84	2,415.78	1,910,324.79	600,679.14	36.2497403	-107.4918856
9,250.00	90.07	131.78	5,428.10	-1,612.74	2,483.40	1,910,264.12	600,746.96	36.2495730	-107.4916563
9,341.00	90.77	131.86	5,427.43	-1,673.41	2,551.21	1,910,203.67	600,814.99	36.2494063	-107.4914263
9,432.00	89.96	130.18	5,426.85	-1,733.14	2,619.87	1,910,144.19	600,883.85	36.2492422	-107.4911935
9,523.00	90.27	130.46	5,426.67	-1,792.02	2,689.25	1,910,085.55	600,953.43	36.2490805	-107.4909582
9,614.00	90.40	131.64	5,426.14	-1,851.78	2,757.87	1,910,026.02	601,022.26	36.2489163	-107.4907255
9,706.00	87.58	131.33	5,427.76	-1,912.70	2,826.77	1,909,965.33	601,091.37	36.2487489	-107.4904919
9,797.00	89.43	131.55	5,430.13	-1,972.91	2,894.97	1,909,905.37	601,159.77	36.2485835	-107.4902606
9,888.00	90.48	131.68	5,430.20	-2,033.34	2,963.00	1,909,845.17	601,228.01	36.2484174	-107.4900299
9,979.00	91.61	130.83	5,428.54	-2,093.34	3,031.40	1,909,785.41	601,296.61	36.2482526	-107.4897980
10,070.00	90.34	131.14	5,426.99	-2,153.01	3,100.08	1,909,725.97	601,365.50	36.2480887	-107.4895651
10,159.00	90.40	133.68	5,426.42	-2,213.03	3,165.79	1,909,666.18	601,431.41	36.2479238	-107.4893423
10,250.00	93.16	133.07	5,423.59	-2,275.49	3,231.89	1,909,603.95	601,497.73	36.2477522	-107.4891181
10,341.00	92.55	132.57	5,419.06	-2,337.26	3,298.56	1,909,542.40	601,564.61	36.2475824	-107.4888921
10,432.00	91.28	132.89	5,416.02	-2,398.98	3,365.36	1,909,480.92	601,631.63	36.2474129	-107.4886655
10,523.00	91.48	132.61	5,413.83	-2,460.73	3,432.17	1,909,419.40	601,698.64	36.2472432	-107.4884390
10,614.00	89.93	131.57	5,412.71	-2,521.72	3,499.69	1,909,358.64	601,766.38	36.2470757	-107.4882100
10,705.00	89.19	131.22	5,413.41	-2,581.89	3,567.95	1,909,298.70	601,834.85	36.2469103	-107.4879786
10,796.00	90.77	131.94	5,413.44	-2,642.28	3,636.02	1,909,238.55	601,903.12	36.2467444	-107.4877477
10,887.00	90.10	131.50	5,412.75	-2,702.84	3,703.94	1,909,178.22	601,971.25	36.2465780	-107.4875174
10,977.00	90.10	131.18	5,412.59	-2,762.28	3,771.51	1,909,119.01	602,039.03	36.2464147	-107.4872883
11,068.00	90.44	131.24	5,412.16	-2,822.24	3,839.97	1,909,059.29	602,107.69	36.2462500	-107.4870562
11,159.00	90.10	131.30	5,411.73	-2,882.26	3,908.37	1,908,999.50	602,176.29	36.2460851	-107.4868242
11,250.00	90.07	133.75	5,411.60	-2,943.76	3,975.43	1,908,938.23	602,243.56	36.2459161	-107.4865969
11,341.00	90.07	134.93	5,411.49	-3,007.36	4,040.51	1,908,874.86	602,308.86	36.2457413	-107.4863762
11,432.00	89.93	135.41	5,411.49	-3,071.90	4,104.66	1,908,810.54	602,373.24	36.2455640	-107.4861586
11,523.00	90.34	135.80	5,411.27	-3,136.92	4,168.33	1,908,745.74	602,437.13	36.2453854	-107.4859428
11,614.00	90.03	135.75	5,410.98	-3,202.13	4,231.80	1,908,680.74	602,500.82	36.2452062	-107.4857276
11,705.00	90.23	135.89	5,410.77	-3,267.39	4,295.22	1,908,615.70	602,564.46	36.2450269	-107.4855125
11,797.00	89.66	135.09	5,410.86	-3,333.00	4,359.71	1,908,550.32	602,629.18	36.2448466	-107.4852939
11,888.00	89.73	134.56	5,411.35	-3,397.15	4,424.25	1,908,486.39	602,693.95	36.2446704	-107.4850750
11,978.00	89.97	134.79	5,411.58	-3,460.43	4,488.25	1,908,423.33	602,758.16	36.2444965	-107.4848580
12,069.00	89.77	134.02	5,411.79	-3,524.10	4,553.26	1,908,359.88	602,823.39	36.2443216	-107.4846376
12,109.00	89.77	133.87	5,411.95	-3,551.86	4,582.06	1,908,332.22	602,852.29	36.2442453	-107.4845399
RSI @ 12,109' MD - 36.2442453, -107.4845399									
12,164.00	89.76	133.67	5,412.18	-3,589.91	4,621.78	1,908,294.31	602,892.13	36.2441408	-107.4844053
Last SDI Lateral MWD Survey									
12,225.00	89.76	133.67	5,412.43	-3,632.03	4,665.90	1,908,252.35	602,936.40	36.2440250	-107.4842557
Projection to TD									

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #912H - Slot A2
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 #912H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
451.00	450.95	-1.35	-5.95	First SDI Surface MWD Survey
4,873.00	4,698.50	1,045.91	-429.66	Last SDI Surface MWD Survey
4,919.00	4,743.96	1,049.39	-423.66	First SDI Curve MWD Survey
6,031.00	5,455.93	582.29	130.46	7" Casing @ 6031' MD
6,031.00	5,455.93	582.29	130.46	36.2556033, -107.4996360
6,147.00	5,455.30	502.80	214.90	Last SDI Curve MWD Survey
6,239.00	5,452.70	439.44	281.55	First SDI Lateral MWD Survey
12,109.00	5,411.95	-3,551.86	4,582.06	RSI @ 12,109' MD
12,109.00	5,411.95	-3,551.86	4,582.06	36.2442453, -107.4845399
12,164.00	5,412.18	-3,589.91	4,621.78	Last SDI Lateral MWD Survey
12,225.00	5,412.43	-3,632.03	4,665.90	Projection to TD

Checked By: _____ Approved By: _____ Date: _____