

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

*API Number 30-045-35553		*Pool Code 47540		*Pool Name NAGEEZI GALLUP	
*Property Code 313663		*Property Name CHACO 2308-06H			*Well Number 395H
*OGRID No. 120782		*Operator Name WPX ENERGY PRODUCTION, LLC			*Elevation 6927'

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
H	6	23N	8W		1687	NORTH	291	EAST	SAN JUAN

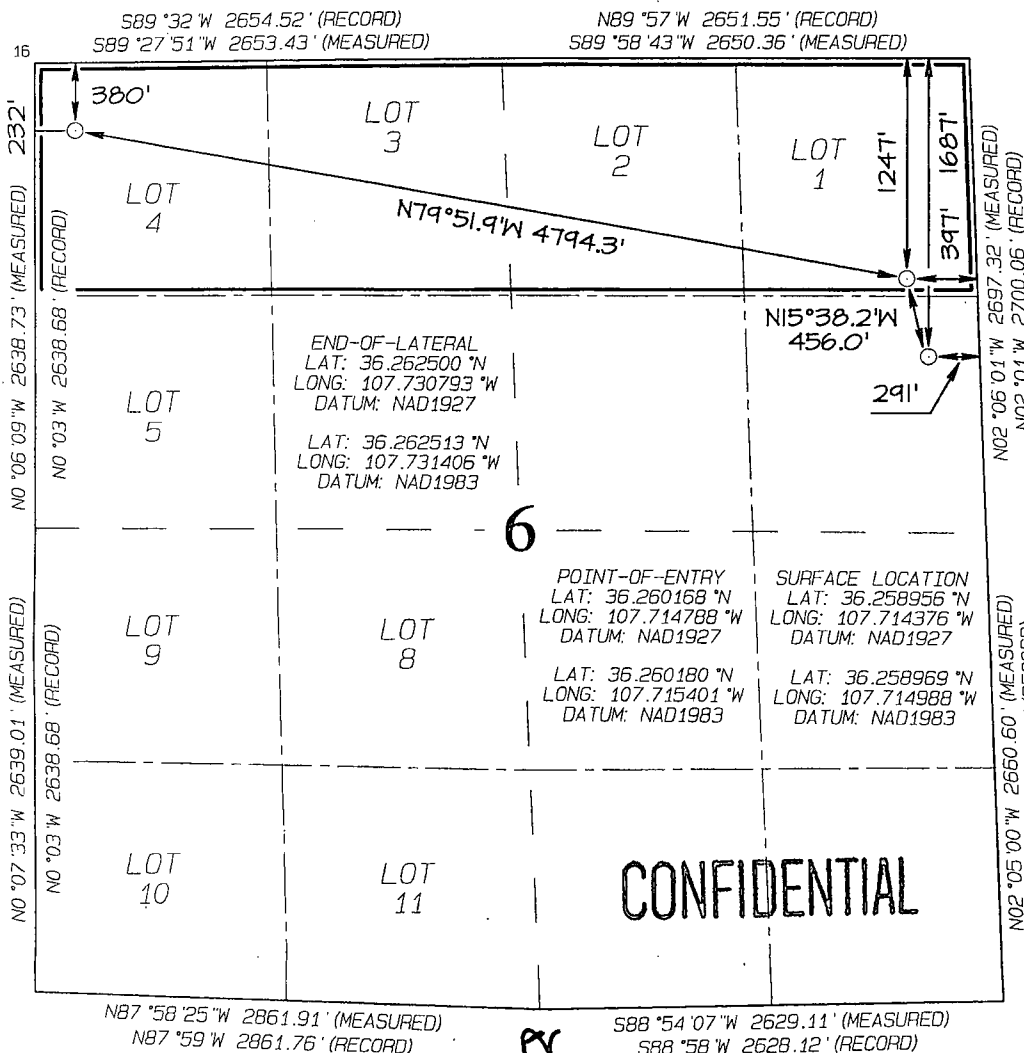
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	6	23N	8W	4	380	NORTH	232	WEST	SAN JUAN

¹² Dedicated Acres 163.34 Acres - N/2 N/2

¹³ Joint or Infill ¹⁴ Consolidation Code ¹⁵ Order No. **ROVD OCT 20 '14**
OIL CONS. DIV.

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 *Larry Higgins* Date *10/20/14*
LARRY HIGGINS

Printed Name
LARRY.HIGGINS@WPXENERGY.COM

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

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

Date Revised: SEPTEMBER 26, 2014
Date of Survey: AUGUST 25, 2014

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
15269

JASON C. EDWARDS
Certificate Number 15269



Company Name: WPX Energy Rocky Mountain, LLC
Project: San Juan County, NM NAD27
Site: Chaco 2308-06H
Well: Chaco 2308-06H #395H

WPX ENERGY

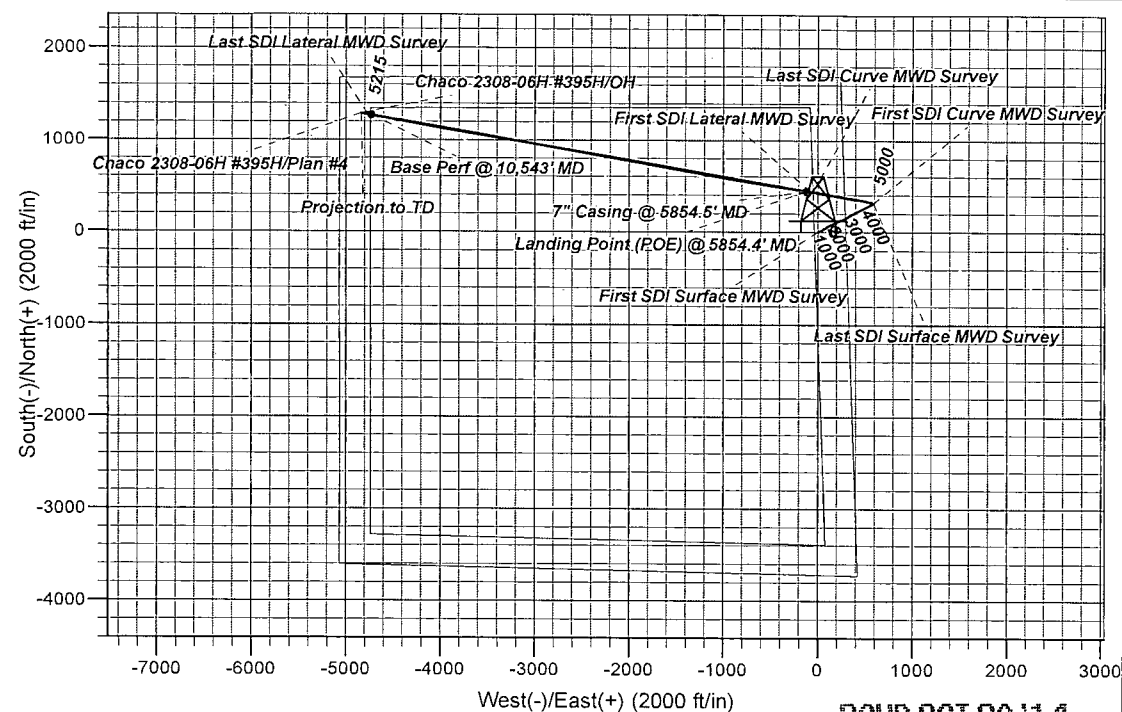
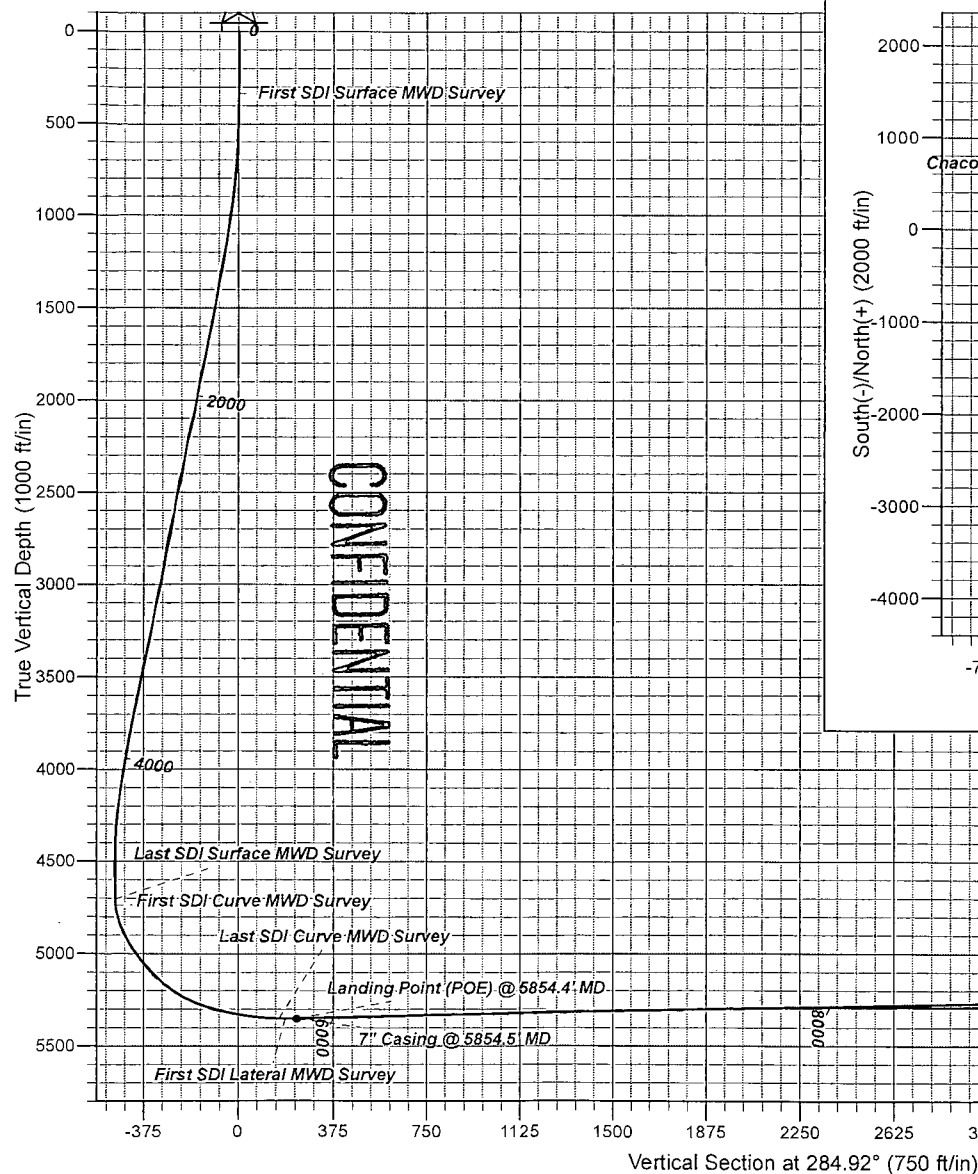


Azimuths to True North
Magnetic North: 9.50°

Magnetic Field
Strength: 50057.8nT
Dip Angle: 63.00°
Date: 9/7/2014
Model: BGGM2014

WELL DETAILS: Chaco 2308-06H #395H

+N/-S	+E/-W	GL 6927' & RKB 13' @ 6940.00ft (Aztec 222)	6927.00
0.00	0.00	Northing	Easting
		1913523.55	535071.53
		Latitude	Longitude
			36.2589560
			-107.7143760



RCVD OCT 20 '14
OIL CONS. DIV.
DIST. 3

Design: OH (Chaco 2308-06H #395H/OH)
Created By: Janie Collins Date: 12:43, September 25 2014
PROJECT DETAILS: San Juan County, NM NAD27
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 Rocky Mountain, LLC	Local Co-ordinate Reference:	Well Chaco 2308-06H #395H
Project:	San Juan County, NM NAD27	TVD Reference:	GL 6927' & RKB 13' @ 6940.00ft (Aztec 222)
Site:	Chaco 2308-06H	MD Reference:	GL 6927' & RKB 13' @ 6940.00ft (Aztec 222)
Well:	Chaco 2308-06H #395H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Project	San Juan County, NM NAD27		
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	Chaco 2308-06H				
Site Position:		Northing:	1,913,523.55 usft	Latitude:	36.2589560
From:	Lat/Long	Easting:	535,071.53 usft	Longitude:	-107.7143760
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	0.07 °

Well	Chaco 2308-06H #395H					
Well Position	+N/-S	0.00 ft	Northing:	1,913,523.55 usft	Latitude:	36.2589560
	+E/-W	0.00 ft	Easting:	535,071.53 usft	Longitude:	-107.7143760
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	6,927.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	9/7/2014	9.50	63.00	50,058

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	284.92	

Survey Program	Date 9/25/2014				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
336.00	4,768.00	Survey #1 - Surface MWD Survey (OH)	MWD SDI	MWD - Standard ver 1.0.1	
4,800.00	5,785.00	Survey #2 - Curve MWD Survey (OH)	MWD SDI	MWD - Standard ver 1.0.1	
5,810.00	10,653.00	Survey #3 - SDI Lateral MWD Survey (OH)	MWD SDI	MWD - Standard ver 1.0.1	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.00	0.00	0.00	0.00	1,913,523.55	535,071.53	36.2589560	-107.7143760	
336.00	0.26	280.04	336.00	0.13	-0.75	1,913,523.68	535,070.78	36.2589563	-107.7143786	
First SDI Surface MWD Survey										
399.00	0.65	103.52	399.00	0.07	-0.54	1,913,523.63	535,070.99	36.2589562	-107.7143779	
462.00	0.28	120.35	462.00	-0.09	-0.06	1,913,523.46	535,071.47	36.2589557	-107.7143763	
525.00	0.54	86.83	524.99	-0.15	0.37	1,913,523.40	535,071.90	36.2589556	-107.7143748	
589.00	1.44	87.65	588.98	-0.10	1.47	1,913,523.45	535,073.00	36.2589557	-107.7143711	
652.00	2.98	71.61	651.94	0.45	3.82	1,913,524.01	535,075.35	36.2589572	-107.7143631	
715.00	4.26	65.46	714.81	1.94	7.50	1,913,525.50	535,079.03	36.2589613	-107.7143506	
778.00	5.01	62.24	777.60	4.19	12.06	1,913,527.76	535,083.59	36.2589675	-107.7143351	



Survey Report - Geographic



Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well Chaco 2308-06H #395H
Project:	San Juan County, NM NAD27	TVD Reference:	GL 6927' & RKB 13' @ 6940.00ft (Aztec 222)
Site:	Chaco 2308-06H	MD Reference:	GL 6927' & RKB 13' @ 6940.00ft (Aztec 222)
Well:	Chaco 2308-06H #395H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
842.00	6.29	62.37	841.29	7.12	17.64	1,913,530.69	535,089.16	36.2589755	-107.7143162
905.00	6.51	62.16	903.90	10.39	23.86	1,913,533.97	535,095.38	36.2589845	-107.7142951
968.00	7.34	61.47	966.44	13.98	30.55	1,913,537.57	535,102.06	36.2589944	-107.7142724
1,032.00	9.11	59.06	1,029.78	18.54	38.49	1,913,542.13	535,110.00	36.2590069	-107.7142455
1,096.00	9.52	57.77	1,092.93	23.96	47.31	1,913,547.57	535,118.81	36.2590218	-107.7142156
1,159.00	11.07	57.72	1,154.92	29.97	56.83	1,913,553.59	535,128.33	36.2590383	-107.7141833
1,222.00	11.24	63.45	1,216.73	35.95	67.44	1,913,559.58	535,138.93	36.2590547	-107.7141473
1,282.00	10.64	63.23	1,275.64	41.06	77.61	1,913,564.70	535,149.10	36.2590688	-107.7141128
1,346.00	10.51	61.70	1,338.55	46.48	88.03	1,913,570.14	535,159.50	36.2590837	-107.7140775
1,376.00	10.46	61.28	1,368.05	49.09	92.83	1,913,572.76	535,164.30	36.2590908	-107.7140612
1,437.00	10.34	60.30	1,428.05	54.46	102.44	1,913,578.14	535,173.90	36.2591056	-107.7140286
1,498.00	10.09	56.78	1,488.08	60.10	111.66	1,913,583.79	535,183.12	36.2591211	-107.7139973
1,558.00	10.64	60.56	1,547.10	65.71	120.88	1,913,589.41	535,192.34	36.2591365	-107.7139660
1,619.00	11.12	63.77	1,607.01	71.07	131.06	1,913,594.79	535,202.51	36.2591512	-107.7139315
1,681.00	11.24	65.13	1,667.83	76.26	141.91	1,913,599.98	535,213.35	36.2591655	-107.7138947
1,741.00	11.55	64.68	1,726.65	81.29	152.65	1,913,605.02	535,224.08	36.2591793	-107.7138583
1,802.00	11.50	63.58	1,786.42	86.60	163.61	1,913,610.35	535,235.04	36.2591939	-107.7138211
1,863.00	11.18	63.68	1,846.23	91.93	174.36	1,913,615.70	535,245.78	36.2592085	-107.7137846
1,923.00	10.95	61.74	1,905.11	97.21	184.59	1,913,620.99	535,256.00	36.2592230	-107.7137499
1,984.00	10.47	60.84	1,965.05	102.65	194.53	1,913,626.44	535,265.94	36.2592380	-107.7137162
2,044.00	10.54	65.84	2,024.04	107.55	204.30	1,913,631.36	535,275.70	36.2592514	-107.7136831
2,105.00	11.11	67.66	2,083.96	112.07	214.83	1,913,635.89	535,286.22	36.2592638	-107.7136474
2,165.00	11.27	66.23	2,142.82	116.63	225.54	1,913,640.46	535,296.93	36.2592764	-107.7136110
2,227.00	11.16	65.77	2,203.63	121.54	236.56	1,913,645.38	535,307.94	36.2592898	-107.7135737
2,287.00	11.09	65.37	2,262.51	126.32	247.10	1,913,650.18	535,318.47	36.2593030	-107.7135379
2,349.00	10.73	65.67	2,323.39	131.19	257.78	1,913,655.05	535,329.15	36.2593164	-107.7135017
2,409.00	10.63	65.59	2,382.35	135.77	267.91	1,913,659.65	535,339.27	36.2593290	-107.7134673
2,470.00	10.51	63.65	2,442.31	140.57	278.01	1,913,664.46	535,349.37	36.2593421	-107.7134331
2,531.00	10.96	65.17	2,502.24	145.47	288.26	1,913,669.38	535,359.62	36.2593556	-107.7133983
2,592.00	10.59	61.06	2,562.17	150.62	298.43	1,913,674.54	535,369.78	36.2593697	-107.7133638
2,653.00	10.94	57.65	2,622.10	156.43	308.23	1,913,680.36	535,379.57	36.2593857	-107.7133306
2,683.00	11.19	57.33	2,651.54	159.53	313.08	1,913,683.46	535,384.42	36.2593942	-107.7133141
2,746.00	11.14	57.12	2,713.35	166.13	323.34	1,913,690.08	535,394.67	36.2594124	-107.7132793
2,810.00	10.95	58.58	2,776.16	172.65	333.72	1,913,696.62	535,405.04	36.2594303	-107.7132441
2,873.00	11.16	57.09	2,837.99	179.09	343.94	1,913,703.06	535,415.25	36.2594479	-107.7132094
2,937.00	11.41	61.50	2,900.76	185.47	354.71	1,913,709.46	535,426.01	36.2594655	-107.7131729
3,000.00	11.39	62.87	2,962.51	191.28	365.72	1,913,715.28	535,437.01	36.2594814	-107.7131356
3,063.00	11.29	61.36	3,024.28	197.07	376.67	1,913,721.09	535,447.96	36.2594974	-107.7130984
3,127.00	11.27	61.59	3,087.05	203.05	387.67	1,913,727.08	535,458.95	36.2595138	-107.7130611
3,191.00	11.71	61.01	3,149.76	209.18	398.85	1,913,733.22	535,470.12	36.2595306	-107.7130232
3,255.00	11.27	60.63	3,212.48	215.39	409.98	1,913,739.45	535,481.25	36.2595477	-107.7129855
3,318.00	10.70	58.99	3,274.33	221.42	420.36	1,913,745.49	535,491.62	36.2595642	-107.7129503
3,381.00	11.42	62.40	3,336.16	227.33	430.90	1,913,751.41	535,502.15	36.2595805	-107.7129145
3,445.00	11.44	65.25	3,398.89	232.92	442.28	1,913,757.01	535,513.52	36.2595958	-107.7128759
3,509.00	11.63	63.88	3,461.60	238.42	453.83	1,913,762.52	535,525.07	36.2596109	-107.7128367
3,572.00	11.36	64.12	3,523.33	243.92	465.12	1,913,768.04	535,536.35	36.2596260	-107.7127984
3,635.00	11.63	63.85	3,585.07	249.43	476.40	1,913,773.56	535,547.62	36.2596412	-107.7127602
3,699.00	11.67	64.44	3,647.75	255.06	488.03	1,913,779.21	535,559.25	36.2596567	-107.7127207
3,763.00	12.17	64.83	3,710.37	260.72	499.97	1,913,784.89	535,571.18	36.2596722	-107.7126802
3,826.00	11.26	62.86	3,772.06	266.35	511.46	1,913,790.53	535,582.66	36.2596877	-107.7126412
3,889.00	10.29	58.03	3,833.95	272.14	521.70	1,913,796.33	535,592.90	36.2597036	-107.7126065
3,952.00	10.14	59.68	3,895.95	277.92	531.26	1,913,802.12	535,602.45	36.2597194	-107.7125741
4,016.00	10.20	58.61	3,958.94	283.71	540.96	1,913,807.93	535,612.15	36.2597354	-107.7125412
4,079.00	9.33	61.42	4,021.03	289.06	550.21	1,913,813.29	535,621.39	36.2597501	-107.7125098
4,143.00	8.95	59.50	4,084.22	294.07	559.06	1,913,818.31	535,630.23	36.2597638	-107.7124798



Survey Report - Geographic



Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well Chaco 2308-06H #395H
Project:	San Juan County, NM NAD27	TVD Reference:	GL 6927' & RKB 13' @ 6940.00ft (Aztec 222)
Site:	Chaco 2308-06H	MD Reference:	GL 6927' & RKB 13' @ 6940.00ft (Aztec 222)
Well:	Chaco 2308-06H #395H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
4,206.00	8.43	60.81	4,146.49	298.81	567.31	1,913,823.06	535,638.47	36.2597768	-107.7124518	
4,269.00	7.52	63.85	4,208.88	302.88	575.04	1,913,827.14	535,646.20	36.2597880	-107.7124256	
4,333.00	5.28	65.51	4,272.48	305.95	581.48	1,913,830.21	535,652.64	36.2597964	-107.7124037	
4,397.00	3.75	61.47	4,336.28	308.17	586.00	1,913,832.44	535,657.15	36.2598025	-107.7123884	
4,460.00	1.98	52.49	4,399.20	309.81	588.68	1,913,834.09	535,659.83	36.2598071	-107.7123793	
4,522.00	0.81	21.23	4,461.18	310.88	589.68	1,913,835.15	535,660.83	36.2598100	-107.7123759	
4,585.00	0.47	19.39	4,524.18	311.53	589.93	1,913,835.81	535,661.08	36.2598118	-107.7123751	
4,649.00	0.40	69.89	4,588.18	311.86	590.23	1,913,836.13	535,661.38	36.2598127	-107.7123741	
4,704.00	0.39	27.94	4,643.17	312.09	590.50	1,913,836.37	535,661.64	36.2598133	-107.7123732	
4,768.00	1.76	282.37	4,707.16	312.49	589.64	1,913,836.77	535,660.78	36.2598144	-107.7123761	
Last SDI Surface MWD Survey										
4,800.00	4.66	273.09	4,739.11	312.67	587.86	1,913,836.94	535,659.01	36.2598149	-107.7123821	
First SDI Curve MWD Survey										
4,831.00	8.18	277.31	4,769.91	313.02	584.41	1,913,837.29	535,655.56	36.2598159	-107.7123938	
4,863.00	11.70	282.59	4,801.43	314.01	578.99	1,913,838.28	535,650.13	36.2598186	-107.7124122	
4,895.00	14.46	284.00	4,832.59	315.69	571.94	1,913,839.94	535,643.09	36.2598232	-107.7124361	
4,926.00	16.88	285.40	4,862.44	317.82	563.85	1,913,842.06	535,634.99	36.2598291	-107.7124635	
4,958.00	19.26	286.40	4,892.86	320.54	554.30	1,913,844.78	535,625.44	36.2598365	-107.7124959	
4,990.00	22.83	285.77	4,922.72	323.72	543.26	1,913,847.94	535,614.40	36.2598453	-107.7125334	
5,022.00	24.50	284.05	4,952.03	327.02	530.85	1,913,851.22	535,601.98	36.2598543	-107.7125755	
5,054.00	26.04	283.90	4,980.97	330.32	517.59	1,913,854.51	535,588.72	36.2598634	-107.7126204	
5,085.00	28.19	283.44	5,008.56	333.66	503.87	1,913,857.83	535,574.99	36.2598726	-107.7126670	
5,117.00	30.74	283.70	5,036.42	337.35	488.57	1,913,861.50	535,559.68	36.2598827	-107.7127189	
5,150.00	32.30	280.71	5,064.55	340.99	471.71	1,913,865.12	535,542.82	36.2598927	-107.7127761	
5,181.00	33.72	276.95	5,090.55	343.57	455.02	1,913,867.68	535,526.13	36.2598998	-107.7128327	
5,213.00	35.45	274.84	5,116.89	345.43	436.96	1,913,869.51	535,508.07	36.2599049	-107.7128939	
5,245.00	38.60	274.32	5,142.44	346.96	417.75	1,913,871.02	535,488.86	36.2599091	-107.7129591	
5,277.00	41.44	277.07	5,166.94	349.02	397.29	1,913,873.06	535,468.39	36.2599148	-107.7130285	
5,309.00	44.32	279.69	5,190.39	352.20	375.75	1,913,876.21	535,446.85	36.2599235	-107.7131015	
5,340.00	47.67	280.10	5,211.92	356.04	353.79	1,913,880.02	535,424.88	36.2599340	-107.7131760	
5,372.00	52.32	279.95	5,232.49	360.30	329.66	1,913,884.26	535,400.75	36.2599458	-107.7132579	
5,404.00	57.07	280.83	5,250.98	365.01	303.98	1,913,888.94	535,375.06	36.2599587	-107.7133450	
5,436.00	61.64	281.41	5,267.28	370.33	276.97	1,913,894.22	535,348.05	36.2599733	-107.7134366	
5,468.00	64.72	281.71	5,281.72	376.05	249.00	1,913,899.91	535,320.07	36.2599890	-107.7135315	
5,499.00	67.78	281.17	5,294.20	381.67	221.19	1,913,905.50	535,292.25	36.2600045	-107.7136258	
5,531.00	70.00	280.46	5,305.73	387.27	191.87	1,913,911.06	535,262.93	36.2600199	-107.7137252	
5,563.00	73.07	280.13	5,315.86	392.70	162.01	1,913,916.45	535,233.06	36.2600348	-107.7138265	
5,594.00	75.75	280.40	5,324.19	398.02	132.63	1,913,921.73	535,203.68	36.2600494	-107.7139262	
5,626.00	77.56	280.65	5,331.58	403.71	102.02	1,913,927.38	535,173.06	36.2600650	-107.7140300	
5,657.00	78.07	280.44	5,338.12	409.25	72.23	1,913,932.89	535,143.26	36.2600802	-107.7141310	
5,689.00	80.28	280.21	5,344.13	414.88	41.31	1,913,938.49	535,112.33	36.2600957	-107.7142359	
5,721.00	82.90	279.85	5,348.81	420.40	10.14	1,913,943.96	535,081.16	36.2601109	-107.7143416	
5,753.00	86.53	278.98	5,351.76	425.61	-21.29	1,913,949.13	535,049.72	36.2601252	-107.7144482	
5,785.00	88.72	278.75	5,353.08	430.53	-52.88	1,913,954.02	535,018.13	36.2601387	-107.7145554	
Last SDI Curve MWD Survey										
5,810.00	90.77	278.86	5,353.20	434.36	-77.58	1,913,957.82	534,993.42	36.2601492	-107.7146392	
First SDI Lateral MWD Survey										
5,854.50	91.45	278.49	5,352.33	441.07	-121.56	1,913,964.47	534,949.43	36.2601677	-107.7147884	
7" Casing @ 5854.5' MD - Landing Point (POE) @ 5854.4' MD										
5,876.00	91.78	278.31	5,351.73	444.21	-142.82	1,913,967.59	534,928.16	36.2601763	-107.7148605	
5,905.00	91.55	277.76	5,350.88	448.26	-171.53	1,913,971.60	534,899.46	36.2601874	-107.7149578	
5,967.00	91.68	278.14	5,349.14	456.83	-232.91	1,913,980.10	534,838.07	36.2602110	-107.7151660	
6,028.00	91.68	278.68	5,347.35	465.75	-293.22	1,913,988.94	534,777.74	36.2602355	-107.7153706	
6,088.00	91.78	279.14	5,345.54	475.04	-352.47	1,913,998.16	534,718.48	36.2602610	-107.7155716	



Survey Report - Geographic



Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well Chaco 2308-06H #395H
Project:	San Juan County, NM NAD27	TVD Reference:	GL 6927' & RKB 13' @ 6940.00ft (Aztec 222)
Site:	Chaco 2308-06H	MD Reference:	GL 6927' & RKB 13' @ 6940.00ft (Aztec 222)
Well:	Chaco 2308-06H #395H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
6,148.00	91.41	278.43	5,343.87	484.20	-411.74	1,914,007.25	534,659.19	36.2602861	-107.7157726	
6,209.00	91.58	280.10	5,342.28	494.02	-471.93	1,914,016.99	534,599.00	36.2603131	-107.7159768	
6,270.00	91.31	279.63	5,340.74	504.47	-532.01	1,914,027.36	534,538.91	36.2603418	-107.7161805	
6,330.00	91.82	280.05	5,339.10	514.72	-591.10	1,914,037.54	534,479.80	36.2603700	-107.7163810	
6,391.00	91.88	279.70	5,337.13	525.17	-651.16	1,914,047.92	534,419.72	36.2603987	-107.7165847	
6,452.00	92.22	279.83	5,334.95	535.51	-711.24	1,914,058.19	534,359.63	36.2604271	-107.7167885	
6,514.00	92.59	280.33	5,332.35	546.35	-772.23	1,914,068.95	534,298.63	36.2604569	-107.7169954	
6,574.00	91.48	278.89	5,330.22	556.36	-831.35	1,914,078.89	534,239.50	36.2604843	-107.7171959	
6,635.00	92.29	279.34	5,328.21	566.02	-891.55	1,914,088.48	534,179.29	36.2605109	-107.7174001	
6,695.00	92.59	279.80	5,325.65	575.99	-950.66	1,914,098.37	534,120.17	36.2605382	-107.7176006	
6,757.00	91.92	279.74	5,323.21	586.50	-1,011.71	1,914,108.81	534,059.10	36.2605671	-107.7178077	
6,818.00	91.28	280.04	5,321.51	596.97	-1,071.78	1,914,119.21	533,999.02	36.2605959	-107.7180114	
6,878.00	91.51	280.05	5,320.05	607.43	-1,130.84	1,914,129.60	533,939.95	36.2606246	-107.7182118	
6,942.00	91.25	279.93	5,318.51	618.53	-1,193.85	1,914,140.62	533,876.92	36.2606551	-107.7184255	
7,005.00	91.21	280.33	5,317.16	629.61	-1,255.86	1,914,151.62	533,814.91	36.2606855	-107.7186358	
7,069.00	91.61	280.72	5,315.58	641.30	-1,318.76	1,914,163.23	533,751.99	36.2607176	-107.7188492	
7,133.00	91.52	279.86	5,313.83	652.73	-1,381.71	1,914,174.58	533,689.03	36.2607490	-107.7190627	
7,196.00	91.75	279.73	5,312.04	663.44	-1,443.76	1,914,185.22	533,626.96	36.2607784	-107.7192732	
7,260.00	91.75	281.07	5,310.08	674.99	-1,506.68	1,914,196.69	533,564.03	36.2608101	-107.7194866	
7,323.00	91.31	280.84	5,308.40	686.96	-1,568.51	1,914,208.58	533,502.18	36.2608430	-107.7196963	
7,386.00	91.81	281.72	5,306.69	699.27	-1,630.27	1,914,220.82	533,440.41	36.2608768	-107.7199058	
7,450.00	91.48	280.24	5,304.85	711.46	-1,693.07	1,914,232.93	533,377.59	36.2609103	-107.7201188	
7,513.00	91.82	280.27	5,303.03	722.67	-1,755.04	1,914,244.06	533,315.61	36.2609411	-107.7203290	
7,576.00	91.55	280.49	5,301.18	734.02	-1,816.98	1,914,255.33	533,253.65	36.2609723	-107.7205391	
7,640.00	91.35	280.90	5,299.56	745.89	-1,879.85	1,914,267.13	533,190.77	36.2610049	-107.7207524	
7,703.00	91.11	280.59	5,298.21	757.63	-1,941.73	1,914,278.80	533,128.88	36.2610371	-107.7209623	
7,766.00	90.40	279.46	5,297.38	768.60	-2,003.76	1,914,289.69	533,066.83	36.2610672	-107.7211727	
7,830.00	90.67	281.07	5,296.78	780.00	-2,066.73	1,914,301.01	533,003.85	36.2610985	-107.7213863	
7,893.00	90.37	280.09	5,296.21	791.57	-2,128.66	1,914,312.50	532,941.91	36.2611303	-107.7215963	
7,956.00	91.07	281.49	5,295.42	803.36	-2,190.54	1,914,324.22	532,880.01	36.2611627	-107.7218062	
8,019.00	89.96	280.04	5,294.85	815.13	-2,252.42	1,914,335.91	532,818.11	36.2611950	-107.7220161	
8,083.00	89.78	281.27	5,295.00	826.96	-2,315.32	1,914,347.67	532,755.20	36.2612275	-107.7222295	
8,146.00	90.13	281.88	5,295.05	839.60	-2,377.04	1,914,360.23	532,693.47	36.2612622	-107.7224388	
8,210.00	90.34	281.51	5,294.78	852.57	-2,439.71	1,914,373.13	532,630.78	36.2612978	-107.7226514	
8,274.00	90.07	280.46	5,294.56	864.77	-2,502.53	1,914,385.24	532,567.94	36.2613313	-107.7228645	
8,337.00	90.74	280.86	5,294.11	876.42	-2,564.44	1,914,396.82	532,506.02	36.2613633	-107.7230745	
8,400.00	90.81	280.92	5,293.26	888.32	-2,626.30	1,914,408.65	532,444.14	36.2613960	-107.7232843	
8,464.00	90.04	280.39	5,292.78	900.16	-2,689.20	1,914,420.40	532,381.24	36.2614285	-107.7234977	
8,527.00	90.13	280.13	5,292.69	911.38	-2,751.19	1,914,431.55	532,319.23	36.2614593	-107.7237079	
8,590.00	90.74	281.19	5,292.21	923.03	-2,813.10	1,914,443.12	532,257.31	36.2614913	-107.7239179	
8,653.00	90.07	280.54	5,291.77	934.91	-2,874.97	1,914,454.92	532,195.42	36.2615239	-107.7241278	
8,717.00	90.92	280.74	5,291.21	946.72	-2,937.87	1,914,466.66	532,132.51	36.2615563	-107.7243411	
8,780.00	90.57	279.57	5,290.39	957.83	-2,999.87	1,914,477.69	532,070.49	36.2615868	-107.7245515	
8,843.00	90.94	280.35	5,289.56	968.72	-3,061.92	1,914,488.51	532,008.43	36.2616167	-107.7247619	
8,907.00	90.31	279.07	5,288.87	979.52	-3,125.00	1,914,499.23	531,945.34	36.2616464	-107.7249759	
8,970.00	90.47	279.68	5,288.44	989.78	-3,187.15	1,914,509.41	531,883.17	36.2616745	-107.7251867	
9,033.00	90.34	278.40	5,287.99	999.68	-3,249.37	1,914,519.24	531,820.95	36.2617017	-107.7253978	
9,096.00	90.77	278.88	5,287.38	1,009.14	-3,311.65	1,914,528.62	531,758.65	36.2617277	-107.7256090	
9,159.00	89.60	278.39	5,287.18	1,018.60	-3,373.93	1,914,538.00	531,696.36	36.2617537	-107.7258203	
9,223.00	90.30	279.88	5,287.23	1,028.76	-3,437.12	1,914,548.09	531,633.16	36.2617815	-107.7260346	
9,286.00	90.54	280.70	5,286.77	1,040.01	-3,499.10	1,914,559.26	531,571.16	36.2618124	-107.7262449	
9,350.00	90.07	279.49	5,286.43	1,051.23	-3,562.11	1,914,570.41	531,508.14	36.2618432	-107.7264586	
9,413.00	90.04	280.56	5,286.37	1,062.20	-3,624.15	1,914,581.30	531,446.09	36.2618733	-107.7266690	
9,475.00	90.22	281.36	5,286.23	1,073.98	-3,685.02	1,914,593.01	531,385.21	36.2619057	-107.7268755	
9,538.00	91.34	281.29	5,285.37	1,086.36	-3,746.78	1,914,605.30	531,323.43	36.2619397	-107.7270850	



Survey Report - Geographic



Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well Chaco 2308-06H #395H
Project:	San Juan County, NM NAD27	TVD Reference:	GL 6927' & RKB 13' @ 6940.00ft (Aztec 222)
Site:	Chaco 2308-06H	MD Reference:	GL 6927' & RKB 13' @ 6940.00ft (Aztec 222)
Well:	Chaco 2308-06H #395H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,602.00	91.01	280.35	5,284.06	1,098.37	-3,809.63	1,914,617.24	531,260.56	36.2619726	-107.7272982
9,665.00	91.21	279.57	5,282.84	1,109.26	-3,871.67	1,914,628.06	531,198.51	36.2620025	-107.7275086
9,728.00	91.10	279.16	5,281.57	1,119.51	-3,933.82	1,914,638.23	531,136.35	36.2620307	-107.7277194
9,792.00	92.11	280.21	5,279.78	1,130.27	-3,996.88	1,914,648.91	531,073.28	36.2620602	-107.7279333
9,855.00	92.73	279.39	5,277.12	1,140.99	-4,058.90	1,914,659.55	531,011.24	36.2620896	-107.7281437
9,919.00	93.23	280.00	5,273.79	1,151.75	-4,121.90	1,914,670.24	530,948.23	36.2621192	-107.7283574
9,982.00	94.00	281.00	5,269.82	1,163.21	-4,183.72	1,914,681.62	530,886.39	36.2621506	-107.7285671
10,045.00	94.25	280.70	5,265.29	1,175.04	-4,245.44	1,914,693.37	530,824.66	36.2621831	-107.7287765
10,109.00	94.28	280.69	5,260.53	1,186.88	-4,308.15	1,914,705.14	530,761.94	36.2622156	-107.7289892
10,172.00	95.20	281.94	5,255.32	1,199.20	-4,369.71	1,914,717.38	530,700.36	36.2622494	-107.7291980
10,236.00	96.33	281.25	5,248.89	1,212.00	-4,432.09	1,914,730.10	530,637.97	36.2622845	-107.7294096
10,299.00	97.12	281.21	5,241.51	1,224.18	-4,493.46	1,914,742.21	530,576.59	36.2623180	-107.7296178
10,363.00	96.97	281.58	5,233.66	1,236.73	-4,555.72	1,914,754.68	530,514.31	36.2623524	-107.7298290
10,427.00	95.32	280.48	5,226.81	1,248.90	-4,618.18	1,914,766.78	530,451.84	36.2623859	-107.7300408
10,490.00	93.74	280.83	5,221.84	1,260.51	-4,679.89	1,914,778.32	530,390.10	36.2624177	-107.7302502
10,543.00	92.62	280.66	5,218.90	1,270.38	-4,731.88	1,914,788.12	530,338.10	36.2624448	-107.7304265
Base Perf @ 10,543' MD									
10,586.00	91.72	280.53	5,217.27	1,278.28	-4,774.12	1,914,795.97	530,295.86	36.2624665	-107.7305698
Last SDI Lateral MWD Survey									
10,653.00	91.72	280.53	5,215.25	1,290.52	-4,839.96	1,914,808.13	530,230.00	36.2625001	-107.7307931
Projection to TD									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
336.00	336.00	0.13	-0.75	First SDI Surface MWD Survey
4,768.00	4,707.16	312.49	589.64	Last SDI Surface MWD Survey
4,800.00	4,739.11	312.67	587.86	First SDI Curve MWD Survey
5,785.00	5,353.08	430.53	-52.88	Last SDI Curve MWD Survey
5,810.00	5,353.20	434.36	-77.58	First SDI Lateral MWD Survey
5,854.50	5,352.33	441.07	-121.56	7" Casing @ 5854.5' MD
5,854.50	5,352.33	441.07	-121.56	Landing Point (POE) @ 5854.4' MD
10,543.00	5,218.90	1,270.38	-4,731.88	Base Perf @ 10,543' MD
10,586.00	5,217.27	1,278.28	-4,774.12	Last SDI Lateral MWD Survey
10,653.00	5,215.25	1,290.52	-4,839.96	Projection to TD

Checked By: _____

Approved By: _____

Date: _____