

District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

Submit one copy to
Appropriate District Office

☒ AMENDED REPORT

AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

CONFIDENTIAL

¹ API Number 30-039-31256		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 201H
⁷ GRID No. 120782	⁸ Operator Name WPX ENERGY PRODUCTION, LLC		⁹ Elevation 6910

¹⁰ Surface Location

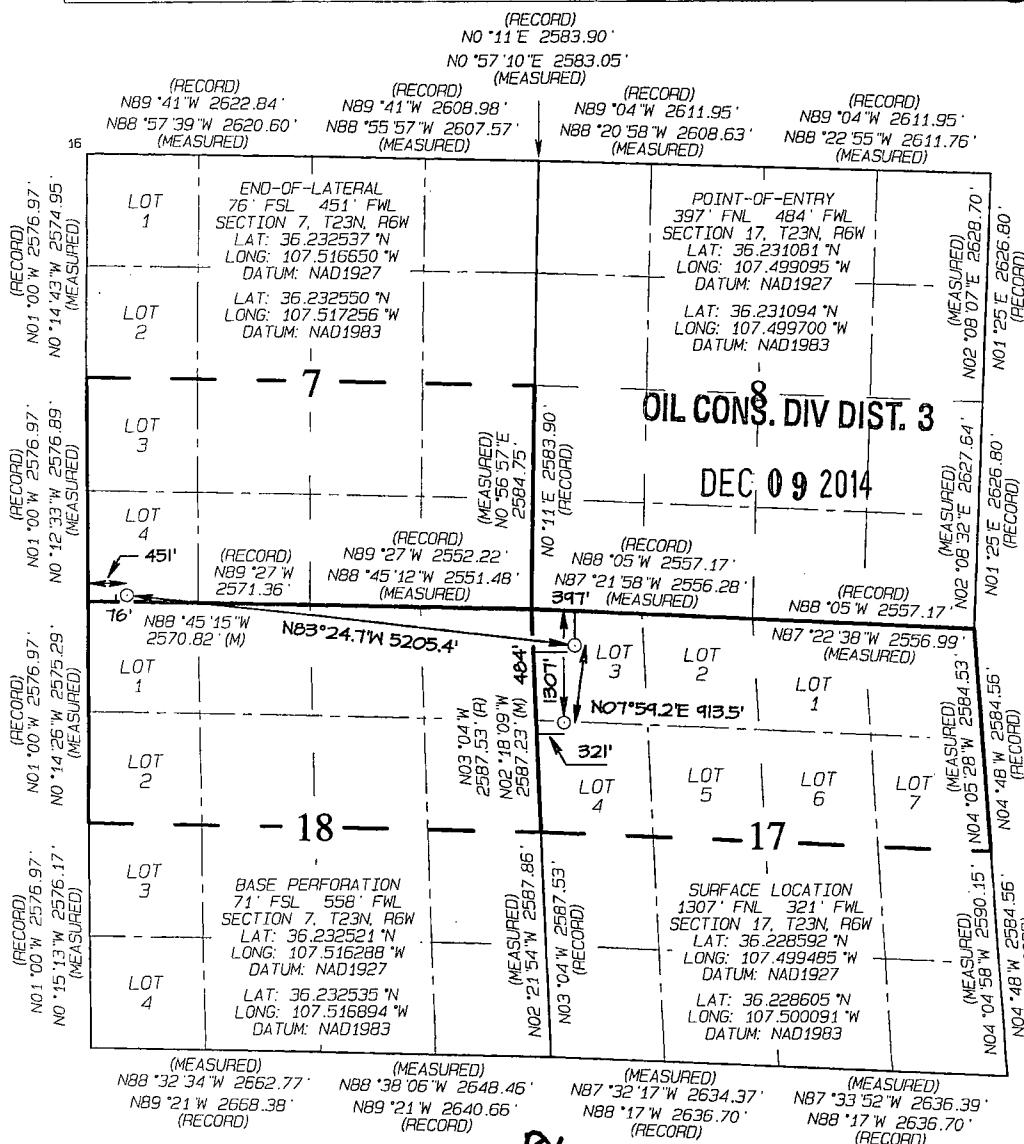
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	17	23N	6W	4	1307	NORTH	321	WEST	RIO ARRIBA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	7	23N	6W	4	76	SOUTH	.451	WEST	RIO ARRIBA

¹² Dedicated Acres 948.99	N/2 - Sections 17 & 18 S/2 - Section 7	¹³ Joint or Infill	¹⁴ Consolidation Code R-13817A	¹⁵ Order No. 9.237.3 ACRES	Project Area
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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 another owner of a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Signature Karim Date 12/8/14

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: NOVEMBER 12, 2014
Survey Date: JANUARY 30, 2014

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269

WPXENERGYSM



WPX Energy Rocky Mountain, LLC

Rio Arriba County, NM NAD27

Chaco 2306-17E

NE Chaco Com #201H

OH

Design: OH

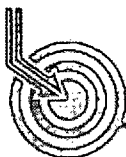
Survey Report - Geographic

10 November, 2014

OIL CONS. DIV DIST. 3

DEC 09 2014

CONFIDENTIAL



Scientific Drilling

www.scientificdrilling.com

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Company Name: WPX Energy Rocky Mountain, LLC
 Project: Rio Arriba County, NM NAD27
 Site: Chaco 2306-17E
 Well: NE Chaco Com #201H

WPX ENERGY

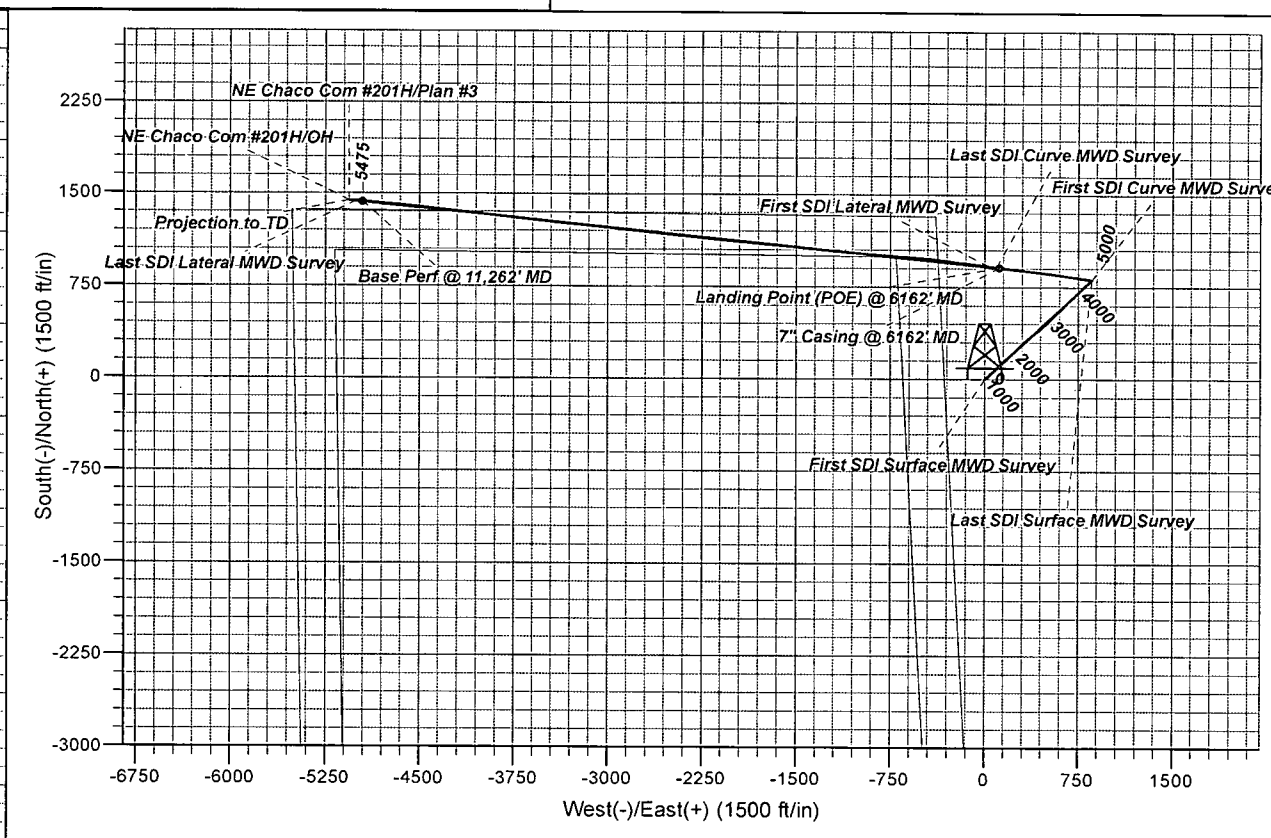
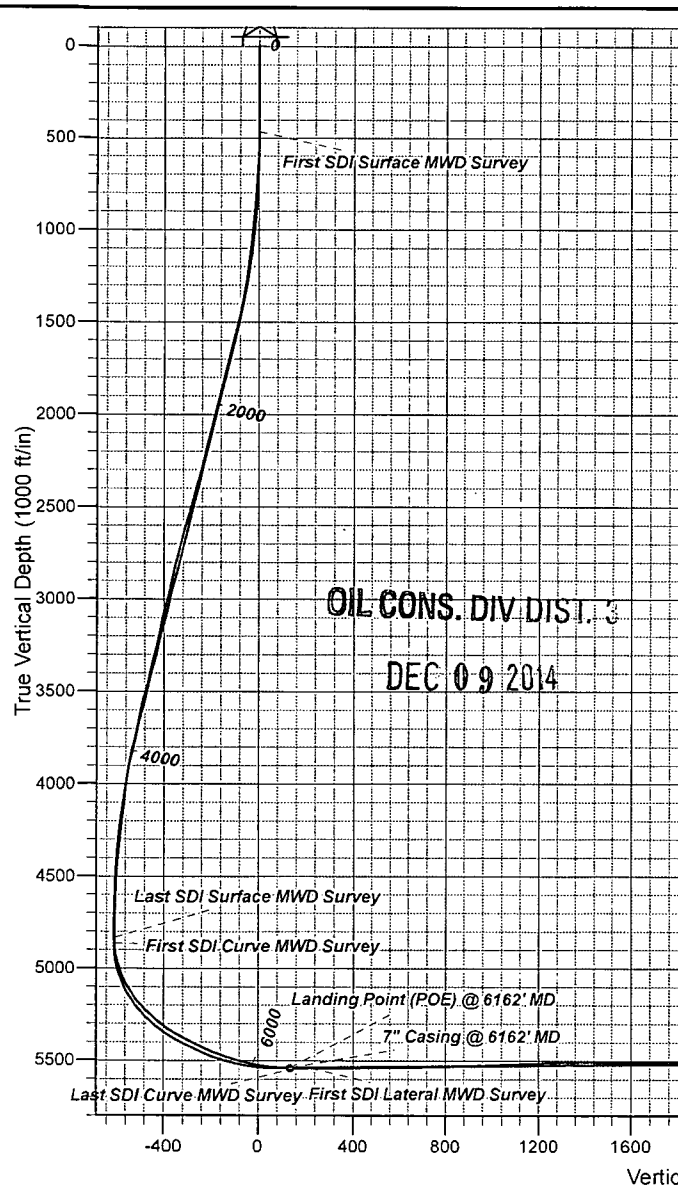


Azimuths to True-North
 Magnetic North: 9.40°

Magnetic Field
 Strength: 50051.2snT
 Dip Angle: 63.00°
 Date: 10/25/2014
 Model: BGGM2014

WELL DETAILS: NE Chaco Com #201H

+N/-S	+E/-W	GL 6910' & RKB 13' @ 6923.00ft (Aztec 222)	6910.00
0.00	0.00	Northing	Easting
1904791.77	131474.61	Latitude	Longitude
		36.2285900	-107.4994900



Design: OH (NE Chaco Com #201H/OH)
Created By: Janie Collins Date: 11:36, November 10 2014
PROJECT DETAILS: Rio Arriba County, NM NAD27
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico Central 3002
System Datum: Mean Sea Level
Local North: True

DEC 09 2014

Survey Report - Geographic

Company:	WPX Energy/Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #201H
Project:	Rio Arriba County, NM NAD27	TVD Reference:	GL 6910' & RKB 13' @ 6923.00ft (Aztec 222)
Site:	Chaco 2306-17E	MD Reference:	GL 6910' & RKB 13' @ 6923.00ft (Aztec 222)
Well:	NE Chaco Com #201H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Project	Rio Arriba 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 Central 3002		

Site	Chaco 2306-17E		
Site Position:		Northing:	1,904,791.77 usft
From:	Lat/Long	Easting:	131,474.62 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Grid Convergence:	-0.74 °

Well	NE Chaco Com #201H		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft
		Ground Level:	6,910.00 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2014	10/25/2014	9.40
			Dip Angle (°)
			63.00
			Field Strength (nT)
			50,051

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction (°)
			285.85

Survey Program	Date 11/7/2014		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name
468.00	5,026.00	Survey #1 - Surface MWD Survey (OH)	MWD SDI
5,057.00	6,187.00	Survey #2 - Curve MWD Survey (OH)	MWD SDI
6,248.00	11,369.00	Survey #3 - Production MWD Survey (OH)	MWD SDI
			Description
			MWD - Standard ver 1.0.1
			MWD - Standard ver 1.0.1
			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	1,904,791.77	131,474.62	36.2285900	-107.4994900
468.00	0.20	263.93	468.00	-0.09	-0.81	1,904,791.70	131,473.80	36.2285897	-107.4994928
First SDI Surface MWD Survey									
531.00	1.25	34.53	530.99	0.47	-0.53	1,904,792.25	131,474.09	36.2285913	-107.4994918
595.00	2.69	60.76	594.96	1.78	1.17	1,904,793.53	131,475.81	36.2285949	-107.4994861
658.00	3.85	59.31	657.85	3.58	4.28	1,904,795.29	131,478.94	36.2285998	-107.4994755
719.00	4.89	50.75	718.67	6.27	8.06	1,904,797.94	131,482.75	36.2286072	-107.4994627
781.00	5.64	47.69	780.41	9.99	12.36	1,904,801.60	131,487.10	36.2286174	-107.4994482
842.00	7.25	50.81	841.03	14.44	17.56	1,904,805.99	131,492.36	36.2286296	-107.4994305
902.00	7.25	50.30	900.55	19.25	23.40	1,904,810.72	131,498.27	36.2286429	-107.4994107



Survey Report - Geographic



Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #201H
Project:	Rio Arriba County, NM NAD27	TVD Reference:	GL 6910' & RKB 13' @ 6923.00ft (Aztec 222)
Site:	Chaco 2306-17E	MD Reference:	GL 6910' & RKB 13' @ 6923.00ft (Aztec 222)
Well:	NE Chaco Com #201H	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	
963.00	8.29	47.16	960.99	24.70	29.59	1,904,816.09	131,504.52	36.2286578	-107.4993897	
1,024.00	8.69	47.22	1,021.32	30.82	36.20	1,904,822.12	131,511.21	36.2286746	-107.4993673	
1,085.00	9.84	45.33	1,081.52	37.62	43.29	1,904,828.83	131,518.38	36.2286933	-107.4993433	
1,145.00	11.78	46.37	1,140.45	45.45	51.37	1,904,836.55	131,526.56	36.2287148	-107.4993159	
1,206.00	12.51	44.18	1,200.09	54.48	60.48	1,904,845.47	131,535.79	36.2287396	-107.4992850	
1,267.00	14.05	45.91	1,259.45	64.37	70.40	1,904,855.23	131,545.84	36.2287668	-107.4992514	
1,327.00	15.11	46.63	1,317.52	74.81	81.32	1,904,865.53	131,556.89	36.2287955	-107.4992144	
1,388.00	15.67	46.97	1,376.33	85.89	93.12	1,904,876.46	131,568.83	36.2288259	-107.4991744	
1,449.00	17.76	47.03	1,434.75	97.86	105.95	1,904,888.25	131,581.82	36.2288588	-107.4991309	
1,508.00	19.96	48.51	1,490.58	110.66	120.08	1,904,900.88	131,596.11	36.2288939	-107.4990830	
1,569.00	20.79	48.41	1,547.77	125.02	135.72	1,904,915.04	131,611.94	36.2289334	-107.4990299	
1,630.00	21.26	45.93	1,604.71	140.18	151.51	1,904,929.99	131,627.92	36.2289750	-107.4989764	
1,690.00	21.22	45.77	1,660.63	155.32	167.10	1,904,944.93	131,643.71	36.2290166	-107.4989235	
1,751.00	20.85	44.44	1,717.56	170.77	182.61	1,904,960.18	131,659.42	36.2290590	-107.4988710	
1,811.00	20.97	45.12	1,773.61	185.97	197.70	1,904,975.18	131,674.69	36.2291008	-107.4988198	
1,871.00	20.43	47.44	1,829.74	200.63	213.02	1,904,989.64	131,690.20	36.2291411	-107.4987679	
1,932.00	20.83	47.89	1,886.83	215.10	228.91	1,905,003.91	131,706.28	36.2291808	-107.4987140	
1,993.00	21.18	46.25	1,943.78	230.00	244.91	1,905,018.59	131,722.47	36.2292217	-107.4986598	
2,054.00	21.37	45.12	2,000.62	245.46	260.75	1,905,033.85	131,738.51	36.2292642	-107.4986061	
2,114.00	22.14	47.15	2,056.35	260.86	276.78	1,905,049.04	131,754.74	36.2293065	-107.4985517	
2,175.00	21.68	47.63	2,112.94	276.27	293.54	1,905,064.24	131,771.69	36.2293488	-107.4984949	
2,235.00	21.36	45.45	2,168.76	291.41	309.51	1,905,079.17	131,787.86	36.2293904	-107.4984408	
2,296.00	20.83	43.75	2,225.67	307.04	324.93	1,905,094.59	131,803.47	36.2294333	-107.4983885	
2,360.00	20.28	46.74	2,285.60	322.86	340.87	1,905,110.21	131,819.62	36.2294768	-107.4983344	
2,424.00	19.63	51.03	2,345.76	337.22	357.31	1,905,124.36	131,836.24	36.2295162	-107.4982787	
2,488.00	20.26	51.62	2,405.92	350.86	374.36	1,905,137.78	131,853.46	36.2295537	-107.4982209	
2,551.00	20.97	52.15	2,464.88	364.55	391.81	1,905,151.24	131,871.09	36.2295913	-107.4981618	
2,614.00	21.53	52.82	2,523.60	378.46	409.92	1,905,164.91	131,889.38	36.2296295	-107.4981004	
2,678.00	21.32	51.90	2,583.18	392.73	428.43	1,905,178.95	131,908.07	36.2296687	-107.4980376	
2,741.00	21.27	48.34	2,641.88	407.39	445.98	1,905,193.38	131,925.81	36.2297090	-107.4979781	
2,805.00	20.56	46.71	2,701.66	422.82	462.84	1,905,208.59	131,942.86	36.2297513	-107.4979210	
2,868.00	19.51	47.37	2,760.85	437.53	478.63	1,905,223.09	131,958.84	36.2297918	-107.4978674	
2,931.00	19.62	46.16	2,820.21	451.98	494.00	1,905,237.34	131,974.40	36.2298314	-107.4978153	
2,994.00	20.70	45.38	2,879.35	467.13	509.55	1,905,252.29	131,990.15	36.2298731	-107.4977626	
3,057.00	21.00	45.53	2,938.23	482.85	525.53	1,905,267.81	132,006.33	36.2299163	-107.4977084	
3,120.00	21.20	45.18	2,997.00	498.79	541.67	1,905,283.54	132,022.67	36.2299600	-107.4976537	
3,184.00	21.16	44.34	3,056.68	515.21	557.95	1,905,299.75	132,039.16	36.2300051	-107.4975985	
3,247.00	20.66	43.33	3,115.53	531.43	573.53	1,905,315.76	132,054.94	36.2300497	-107.4975457	
3,310.00	20.91	43.15	3,174.43	547.71	588.84	1,905,331.85	132,070.47	36.2300944	-107.4974938	
3,374.00	20.44	41.96	3,234.31	564.36	604.12	1,905,348.29	132,085.96	36.2301401	-107.4974420	
3,438.00	20.69	44.88	3,294.23	580.68	619.57	1,905,364.41	132,101.62	36.2301849	-107.4973896	
3,470.00	21.02	46.99	3,324.14	588.60	627.76	1,905,372.23	132,109.91	36.2302067	-107.4973619	
3,533.00	20.74	46.28	3,383.00	604.02	644.08	1,905,387.43	132,126.43	36.2302490	-107.4973065	
3,597.00	21.14	46.01	3,442.77	619.86	660.58	1,905,403.07	132,143.13	36.2302926	-107.4972506	
3,660.00	21.24	45.38	3,501.51	635.77	676.87	1,905,418.76	132,159.63	36.2303363	-107.4971954	
3,724.00	20.14	45.59	3,561.38	651.62	693.00	1,905,434.41	132,175.95	36.2303798	-107.4971407	
3,787.00	19.26	46.53	3,620.70	666.36	708.28	1,905,448.95	132,191.43	36.2304203	-107.4970889	
3,851.00	18.73	45.30	3,681.21	680.85	723.25	1,905,463.24	132,206.58	36.2304601	-107.4970381	
3,914.00	17.80	47.36	3,741.04	694.49	737.52	1,905,476.69	132,221.03	36.2304976	-107.4969897	
3,977.00	17.17	48.27	3,801.12	707.20	751.55	1,905,489.23	132,235.21	36.2305325	-107.4969422	
4,041.00	15.91	46.44	3,862.48	719.54	764.95	1,905,501.38	132,248.78	36.2305663	-107.4968967	
4,105.00	15.04	45.79	3,924.16	731.37	777.26	1,905,513.06	132,261.24	36.2305989	-107.4968550	
4,168.00	13.12	45.76	3,985.26	742.06	788.25	1,905,523.61	132,272.36	36.2306282	-107.4968178	
4,231.00	11.84	45.79	4,046.77	751.56	798.00	1,905,532.98	132,282.24	36.2306543	-107.4967847	
4,295.00	10.78	45.84	4,109.53	760.30	807.00	1,905,541.61	132,291.35	36.2306783	-107.4967542	

Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #201H
Project:	Rio Arriba County, NM NAD27	TVD Reference:	GL 6910' & RKB 13' @ 6923.00ft (Aztec 222)
Site:	Chaco 2306-17E	MD Reference:	GL 6910' & RKB 13' @ 6923.00ft (Aztec 222)
Well:	NE Chaco Com #201H	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	
4,359.00	10.56	45.39	4,172.42	768.59	815.47	1,905,549.79	132,299.92	36.2307011	-107.4967255	
4,423.00	9.50	47.66	4,235.44	776.27	823.55	1,905,557.36	132,308.10	36.2307222	-107.4966981	
4,486.00	8.76	50.76	4,297.64	782.80	831.11	1,905,563.80	132,315.74	36.2307401	-107.4966725	
4,549.00	7.57	50.30	4,360.00	788.49	838.02	1,905,569.39	132,322.72	36.2307557	-107.4966490	
4,613.00	6.52	46.43	4,423.52	793.69	843.89	1,905,574.51	132,328.67	36.2307700	-107.4966291	
4,677.00	5.02	42.02	4,487.19	798.27	848.40	1,905,579.04	132,333.23	36.2307826	-107.4966138	
4,740.00	3.90	41.09	4,550.00	801.93	851.65	1,905,582.66	132,336.53	36.2307927	-107.4966028	
4,803.00	3.03	53.07	4,612.89	804.55	854.39	1,905,585.24	132,339.31	36.2307999	-107.4965935	
4,867.00	2.22	61.76	4,676.82	806.15	856.84	1,905,586.81	132,341.77	36.2308043	-107.4965852	
4,931.00	0.87	73.86	4,740.79	806.87	858.40	1,905,587.51	132,343.34	36.2308062	-107.4965799	
4,994.00	0.20	98.81	4,803.79	806.99	858.96	1,905,587.62	132,343.91	36.2308066	-107.4965780	
5,026.00	0.12	171.16	4,835.79	806.95	859.02	1,905,587.58	132,343.97	36.2308064	-107.4965778	
Last SDI Surface MWD Survey										
5,057.00	1.65	264.06	4,866.79	806.87	858.58	1,905,587.51	132,343.53	36.2308062	-107.4965793	
First SDI Curve MWD Survey										
5,089.00	4.84	268.94	4,898.73	806.80	856.78	1,905,587.46	132,341.72	36.2308060	-107.4965854	
5,121.00	7.94	275.73	4,930.53	806.99	853.23	1,905,587.70	132,338.17	36.2308066	-107.4965975	
5,152.00	10.90	280.72	4,961.11	807.75	848.22	1,905,588.52	132,333.17	36.2308087	-107.4966145	
5,184.00	13.94	281.80	4,992.36	809.10	841.47	1,905,589.96	132,326.44	36.2308124	-107.4966373	
5,216.00	17.15	279.66	5,023.18	810.68	833.04	1,905,591.65	132,318.04	36.2308167	-107.4966659	
5,247.00	20.25	277.08	5,052.54	812.11	823.21	1,905,593.20	132,308.22	36.2308206	-107.4966992	
5,279.00	22.86	277.29	5,082.30	813.58	811.55	1,905,594.83	132,296.58	36.2308247	-107.4967388	
5,311.00	25.04	279.76	5,111.55	815.52	798.70	1,905,596.93	132,283.76	36.2308300	-107.4967823	
5,343.00	27.87	280.28	5,140.19	818.00	784.67	1,905,599.59	132,269.76	36.2308368	-107.4968299	
5,374.00	30.92	280.14	5,167.20	820.70	769.70	1,905,602.48	132,254.82	36.2308442	-107.4968807	
5,406.00	34.21	280.02	5,194.16	823.71	752.74	1,905,605.71	132,237.91	36.2308525	-107.4969381	
5,438.00	37.18	279.22	5,220.15	826.83	734.33	1,905,609.06	132,219.54	36.2308611	-107.4970005	
5,470.00	39.92	278.52	5,245.17	829.90	714.63	1,905,612.39	132,199.88	36.2308695	-107.4970673	
5,500.00	41.01	278.60	5,268.00	832.80	695.38	1,905,615.54	132,180.67	36.2308775	-107.4971326	
5,531.00	42.74	278.78	5,291.08	835.92	674.92	1,905,618.93	132,160.26	36.2308860	-107.4972019	
5,563.00	45.63	279.93	5,314.02	839.56	652.92	1,905,622.84	132,138.30	36.2308960	-107.4972765	
5,594.00	47.92	279.93	5,335.25	843.45	630.67	1,905,627.02	132,116.11	36.2309067	-107.4973520	
5,626.00	51.67	278.95	5,355.91	847.45	606.57	1,905,631.33	132,092.05	36.2309177	-107.4974337	
5,658.00	55.31	277.73	5,374.94	851.18	581.12	1,905,635.38	132,066.66	36.2309279	-107.4975199	
5,689.00	58.18	277.97	5,391.94	854.72	555.45	1,905,639.26	132,041.03	36.2309377	-107.4976070	
5,721.00	60.20	277.84	5,408.33	858.50	528.22	1,905,643.39	132,013.86	36.2309481	-107.4976993	
5,753.00	60.33	277.64	5,424.20	862.24	500.69	1,905,647.48	131,986.38	36.2309583	-107.4977926	
5,785.00	60.41	277.20	5,440.02	865.83	473.11	1,905,651.43	131,958.84	36.2309682	-107.4978861	
5,816.00	62.57	277.16	5,454.82	869.24	446.08	1,905,655.18	131,931.86	36.2309776	-107.4979777	
5,848.00	66.14	276.43	5,468.66	872.65	417.44	1,905,658.96	131,903.27	36.2309869	-107.4980748	
5,880.00	66.36	275.60	5,481.55	875.71	388.31	1,905,662.41	131,874.18	36.2309954	-107.4981736	
5,912.00	68.54	275.47	5,493.82	878.56	358.90	1,905,665.63	131,844.81	36.2310032	-107.4982733	
5,943.00	71.40	275.75	5,504.44	881.41	329.92	1,905,668.86	131,815.87	36.2310110	-107.4983716	
5,975.00	73.16	275.93	5,514.18	884.51	299.60	1,905,672.35	131,785.59	36.2310195	-107.4984744	
6,007.00	76.16	276.50	5,522.64	887.86	268.92	1,905,676.08	131,754.96	36.2310287	-107.4985784	
6,039.00	78.81	277.18	5,529.58	891.58	237.91	1,905,680.21	131,723.99	36.2310389	-107.4986835	
6,070.00	82.67	277.02	5,534.56	895.36	207.55	1,905,684.38	131,693.69	36.2310493	-107.4987864	
6,102.00	84.82	277.33	5,538.05	899.33	175.99	1,905,688.76	131,662.19	36.2310602	-107.4988934	
6,119.00	85.97	277.58	5,539.42	901.53	159.19	1,905,691.17	131,645.41	36.2310663	-107.4989504	
6,162.00	87.82	276.52	5,541.75	906.80	116.58	1,905,696.99	131,602.88	36.2310807	-107.4990948	
Landing Point (POE) @ 6162' MD - 7" Casing @ 6162' MD										
6,187.00	88.89	275.91	5,542.46	909.50	91.74	1,905,700.02	131,578.07	36.2310882	-107.4991790	
Last SDI Curve MWD Survey										



Survey Report - Geographic



Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #201H
Project:	Rio Arriba County, NM NAD27	TVD Reference:	GL 6910' & RKB 13' @ 6923.00ft (Aztec 222)
Site:	Chaco 2306-17E	MD Reference:	GL 6910' & RKB 13' @ 6923.00ft (Aztec 222)
Well:	NE Chaco Com #201H	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
6,248.00	90.10	278.24	5,543.00	917.02	31.21	1,905,708.31	131,517.64	36.2311088	-107.4993842
First SDI Lateral MWD Survey									
6,308.00	90.44	277.69	5,542.72	925.33	-28.21	1,905,717.39	131,458.34	36.2311316	-107.4995857
6,369.00	90.57	277.63	5,542.18	933.46	-88.66	1,905,726.30	131,397.99	36.2311540	-107.4997906
6,431.00	90.37	276.52	5,541.67	941.10	-150.19	1,905,734.73	131,336.57	36.2311750	-107.4999992
6,491.00	91.01	276.96	5,540.95	948.14	-209.77	1,905,742.53	131,277.09	36.2311943	-107.5002012
6,552.00	91.18	276.92	5,539.79	955.51	-270.31	1,905,750.68	131,216.64	36.2312145	-107.5004064
6,613.00	90.92	277.99	5,538.67	963.42	-330.78	1,905,759.38	131,156.28	36.2312363	-107.5006115
6,674.00	90.74	276.75	5,537.78	971.25	-391.27	1,905,767.98	131,095.90	36.2312578	-107.5008165
6,734.00	90.97	275.22	5,536.89	977.50	-450.94	1,905,775.00	131,036.32	36.2312749	-107.5010188
6,795.00	91.65	275.54	5,535.49	983.22	-511.65	1,905,781.50	130,975.68	36.2312906	-107.5012246
6,856.00	91.95	274.91	5,533.58	988.77	-572.37	1,905,787.84	130,915.04	36.2313059	-107.5014305
6,916.00	92.35	274.57	5,531.33	993.73	-632.12	1,905,793.56	130,855.36	36.2313195	-107.5016330
6,976.00	92.55	274.12	5,528.76	998.27	-691.89	1,905,798.87	130,795.65	36.2313320	-107.5018357
7,036.00	92.35	273.43	5,526.20	1,002.21	-751.71	1,905,803.59	130,735.89	36.2313428	-107.5020385
7,097.00	93.36	273.93	5,523.16	1,006.12	-812.51	1,905,808.28	130,675.15	36.2313535	-107.5022446
7,158.00	93.16	273.48	5,519.69	1,010.06	-873.28	1,905,813.00	130,614.43	36.2313643	-107.5024506
7,219.00	92.42	274.41	5,516.72	1,014.25	-934.06	1,905,817.98	130,553.71	36.2313759	-107.5026567
7,279.00	91.54	274.65	5,514.65	1,018.99	-993.84	1,905,823.48	130,494.00	36.2313889	-107.5028593
7,341.00	91.94	275.10	5,512.76	1,024.25	-1,055.58	1,905,829.54	130,432.32	36.2314033	-107.5030687
7,402.00	90.50	275.06	5,511.47	1,029.65	-1,116.33	1,905,835.73	130,371.65	36.2314181	-107.5032746
7,463.00	91.07	275.79	5,510.63	1,035.42	-1,177.05	1,905,842.28	130,311.01	36.2314340	-107.5034805
7,523.00	90.97	276.59	5,509.56	1,041.89	-1,236.69	1,905,849.51	130,251.46	36.2314517	-107.5036826
7,584.00	90.44	276.08	5,508.81	1,048.62	-1,297.31	1,905,857.02	130,190.93	36.2314702	-107.5038882
7,645.00	90.03	276.14	5,508.56	1,055.11	-1,357.97	1,905,864.30	130,130.37	36.2314880	-107.5040938
7,706.00	90.04	275.88	5,508.52	1,061.50	-1,418.63	1,905,871.47	130,069.79	36.2315056	-107.5042995
7,767.00	90.60	275.60	5,508.18	1,067.60	-1,479.32	1,905,878.35	130,009.18	36.2315223	-107.5045052
7,830.00	90.47	275.48	5,507.60	1,073.68	-1,542.03	1,905,885.24	129,946.56	36.2315390	-107.5047178
7,894.00	90.13	275.66	5,507.26	1,079.89	-1,605.72	1,905,892.27	129,882.95	36.2315561	-107.5049337
7,957.00	90.37	275.31	5,506.99	1,085.91	-1,668.43	1,905,899.10	129,820.32	36.2315726	-107.5051463
8,020.00	90.57	275.06	5,506.47	1,091.61	-1,731.17	1,905,905.60	129,757.66	36.2315882	-107.5053590
8,084.00	90.03	274.36	5,506.13	1,096.86	-1,794.96	1,905,911.68	129,693.95	36.2316027	-107.5055753
8,147.00	90.13	274.51	5,506.05	1,101.73	-1,857.77	1,905,917.36	129,631.21	36.2316160	-107.5057882
8,210.00	90.77	275.38	5,505.55	1,107.16	-1,920.53	1,905,923.60	129,568.52	36.2316309	-107.5060010
8,274.00	90.44	274.88	5,504.88	1,112.89	-1,984.27	1,905,930.14	129,504.86	36.2316466	-107.5062171
8,337.00	90.34	275.88	5,504.45	1,118.79	-2,046.99	1,905,936.86	129,442.22	36.2316628	-107.5064297
8,401.00	90.57	275.54	5,503.94	1,125.16	-2,110.67	1,905,944.04	129,378.63	36.2316803	-107.5066456
8,464.00	90.64	275.63	5,503.27	1,131.29	-2,173.37	1,905,950.98	129,316.02	36.2316971	-107.5068582
8,527.00	90.10	276.31	5,502.87	1,137.84	-2,236.02	1,905,958.34	129,253.45	36.2317151	-107.5070706
8,590.00	90.00	275.64	5,502.81	1,144.40	-2,298.68	1,905,965.71	129,190.88	36.2317331	-107.5072830
8,654.00	91.11	276.58	5,502.19	1,151.21	-2,362.31	1,905,973.34	129,127.34	36.2317518	-107.5074987
8,717.00	90.37	276.90	5,501.38	1,158.61	-2,424.87	1,905,981.54	129,064.88	36.2317721	-107.5077108
8,781.00	89.83	275.90	5,501.27	1,165.74	-2,488.47	1,905,989.49	129,001.38	36.2317917	-107.5079264
8,844.00	90.13	275.62	5,501.29	1,172.06	-2,551.15	1,905,996.62	128,938.79	36.2318091	-107.5081390
8,907.00	90.40	275.52	5,501.00	1,178.18	-2,613.86	1,906,003.54	128,876.17	36.2318258	-107.5083515
8,971.00	90.04	277.29	5,500.75	1,185.32	-2,677.45	1,906,011.50	128,812.67	36.2318454	-107.5085671
9,034.00	91.07	276.63	5,500.14	1,192.95	-2,739.98	1,906,019.94	128,750.24	36.2318664	-107.5087791
9,097.00	91.21	276.91	5,498.89	1,200.38	-2,802.53	1,906,028.17	128,687.79	36.2318868	-107.5089912
9,161.00	90.20	275.50	5,498.10	1,207.29	-2,866.15	1,906,035.91	128,624.27	36.2319057	-107.5092069
9,224.00	90.70	276.43	5,497.60	1,213.84	-2,928.81	1,906,043.26	128,561.70	36.2319237	-107.5094193
9,287.00	90.23	275.59	5,497.09	1,220.44	-2,991.46	1,906,050.66	128,499.14	36.2319418	-107.5096317
9,351.00	90.30	276.40	5,496.80	1,227.12	-3,055.11	1,906,058.17	128,435.59	36.2319601	-107.5098475
9,415.00	90.84	277.20	5,496.16	1,234.70	-3,118.65	1,906,066.56	128,372.14	36.2319809	-107.5100629
9,476.00	90.77	276.39	5,495.30	1,241.91	-3,179.22	1,906,074.56	128,311.68	36.2320007	-107.5102682
9,540.00	89.83	274.94	5,494.97	1,248.23	-3,242.90	1,906,081.70	128,248.08	36.2320181	-107.5104841



Survey Report - Geographic



Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #201H
Project:	Rio Arriba County, NM NAD27	TVD Reference:	GL 6910' & RKB 13' @ 6923.00ft (Aztec 222)
Site:	Chaco 2306±17E	MD Reference:	GL 6910' & RKB 13' @ 6923.00ft (Aztec 222)
Well:	NE Chaco Com #201H	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
9,603.00	90.54	274.86	5,494.76	1,253.61	-3,305.67	1,906,087.89	128,185.39	36.2320328	-107.5106969
9,666.00	91.61	275.37	5,493.58	1,259.23	-3,368.41	1,906,094.31	128,122.73	36.2320482	-107.5109096
9,730.00	91.08	275.73	5,492.08	1,265.42	-3,432.09	1,906,101.32	128,059.13	36.2320652	-107.5111255
9,793.00	90.87	277.17	5,491.01	1,272.49	-3,494.68	1,906,109.20	127,996.64	36.2320846	-107.5113377
9,856.00	90.34	275.98	5,490.34	1,279.70	-3,557.26	1,906,117.22	127,934.15	36.2321044	-107.5115499
9,920.00	90.17	276.23	5,490.06	1,286.51	-3,620.90	1,906,124.85	127,870.61	36.2321231	-107.5117656
9,983.00	91.07	276.40	5,489.38	1,293.44	-3,683.51	1,906,132.58	127,808.09	36.2321421	-107.5119779
10,047.00	90.60	276.39	5,488.44	1,300.57	-3,747.11	1,906,140.53	127,744.59	36.2321617	-107.5121935
10,111.00	91.07	276.51	5,487.51	1,307.76	-3,810.69	1,906,148.54	127,681.10	36.2321814	-107.5124091
10,174.00	90.20	276.50	5,486.81	1,314.89	-3,873.28	1,906,156.48	127,618.61	36.2322010	-107.5126213
10,238.00	90.84	276.54	5,486.23	1,322.16	-3,936.87	1,906,164.57	127,555.13	36.2322209	-107.5128369
10,301.00	90.67	277.73	5,485.40	1,329.98	-3,999.37	1,906,173.20	127,492.73	36.2322424	-107.5130488
10,365.00	90.44	277.45	5,484.78	1,338.44	-4,062.81	1,906,182.47	127,429.41	36.2322656	-107.5132638
10,428.00	90.20	276.86	5,484.43	1,346.28	-4,125.32	1,906,191.12	127,367.00	36.2322871	-107.5134757
10,491.00	90.44	276.20	5,484.08	1,353.45	-4,187.91	1,906,199.09	127,304.51	36.2323067	-107.5136879
10,554.00	90.87	276.58	5,483.36	1,360.46	-4,250.51	1,906,206.91	127,242.00	36.2323260	-107.5139002
10,618.00	90.03	277.23	5,482.86	1,368.15	-4,314.04	1,906,215.42	127,178.57	36.2323471	-107.5141156
10,681.00	90.50	276.72	5,482.56	1,375.80	-4,376.58	1,906,223.87	127,116.15	36.2323681	-107.5143276
10,745.00	91.21	276.85	5,481.61	1,383.36	-4,440.12	1,906,232.25	127,052.70	36.2323888	-107.5145430
10,808.00	90.77	275.36	5,480.52	1,390.06	-4,502.75	1,906,239.76	126,990.16	36.2324072	-107.5147554
10,871.00	91.07	275.60	5,479.51	1,396.08	-4,565.46	1,906,246.58	126,927.54	36.2324237	-107.5149679
10,934.00	90.64	275.54	5,478.57	1,402.19	-4,628.15	1,906,253.50	126,864.93	36.2324404	-107.5151805
10,998.00	90.30	275.63	5,478.04	1,408.42	-4,691.85	1,906,260.55	126,801.32	36.2324575	-107.5153964
11,061.00	90.37	275.06	5,477.68	1,414.29	-4,754.57	1,906,267.23	126,738.68	36.2324736	-107.5156091
11,125.00	91.18	275.09	5,476.81	1,419.95	-4,818.31	1,906,273.71	126,675.02	36.2324891	-107.5158252
11,189.00	89.87	275.44	5,476.22	1,425.82	-4,882.04	1,906,280.41	126,611.37	36.2325052	-107.5160412
11,262.12	90.39	273.80	5,476.06	1,431.71	-4,954.92	1,906,287.23	126,538.57	36.2325214	-107.5162883
Base Perf @ 11,262' MD									
11,284.00	90.54	273.31	5,475.88	1,433.07	-4,976.75	1,906,288.87	126,516.76	36.2325251	-107.5163624
11,306.00	90.40	272.78	5,475.70	1,434.24	-4,998.72	1,906,290.32	126,494.81	36.2325283	-107.5164368
Last SDI Lateral MWD Survey									
11,369.00	90.40	272.78	5,475.26	1,437.29	-5,061.65	1,906,294.19	126,431.93	36.2325367	-107.5166502
Projection to TD									

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
468.00	468.00	-0.09	-0.81	First SDI Surface MWD Survey	
5,026.00	4,835.79	806.95	859.02	Last SDI Surface MWD Survey	
5,057.00	4,866.79	806.87	858.58	First SDI Curve MWD Survey	
6,162.00	5,541.75	906.80	116.58	Landing Point (POE) @ 6162' MD	
6,162.00	5,541.75	906.80	116.58	7" Casing @ 6162' MD	
6,187.00	5,542.46	909.50	91.74	Last SDI Curve MWD Survey	
6,248.00	5,543.00	917.02	31.21	First SDI Lateral MWD Survey	
11,262.12	5,476.06	1,431.71	-4,954.92	Base Perf @ 11,262' MD	
11,306.00	5,475.70	1,434.24	-4,998.72	Last SDI Lateral MWD Survey	
11,369.00	5,475.26	1,437.29	-5,061.65	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____