

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

¹ API Number 30-039-31267	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 267H
⁷ GRID No. 120782	⁸ Operator Name WPX ENERGY PRODUCTION, LLC	⁹ Elevation 6845'

¹⁰ Surface Location

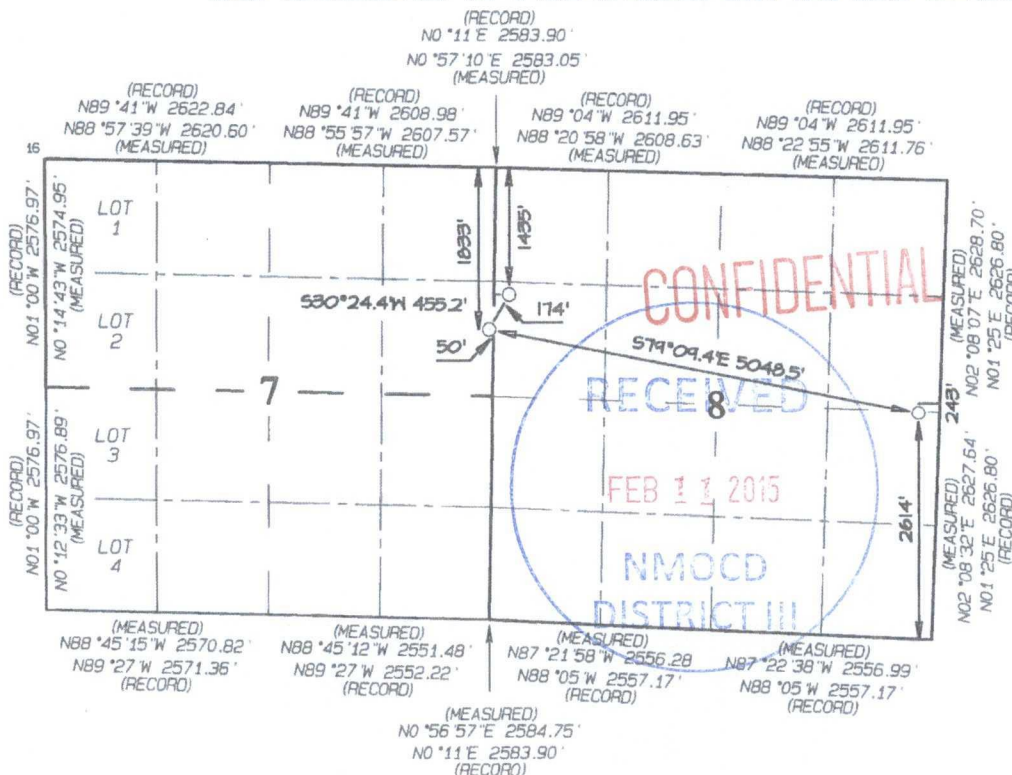
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	8	23N	6W		1435	NORTH	174	WEST	RIO ARriba

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
I	8	23N	6W		2614	SOUTH	243	EAST	RIO ARriba

¹² Dedicated Acres 960.96	N/2 SECTION 7 ENTIRE SECTION 8	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE
BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature
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 9, 2014
Date of Survey: MARCH 27, 2014

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

SURFACE LOCATION
1435' FNL 174' FWL
SECTION 8, T23N, R6W
LAT: 36.242463°N
LONG: 107.500177°W
DATUM: NAD1927

LAT: 36.242477°N
LONG: 107.500782°W
DATUM: NAD1983

POINT-OF-ENTRY
1833' FNL 50' FEL
SECTION 7, T23N, R6W
LAT: 36.241377°N
LONG: 107.500941°W
DATUM: NAD1927

LAT: 36.241390°N
LONG: 107.501546°W
DATUM: NAD1983

BASE PERFORATION
2625' FSL 335' FEL
SECTION 8, T23N, R6W
LAT: 36.238981°N
LONG: 107.484400°W
DATUM: NAD1927

LAT: 36.238995°N
LONG: 107.485005°W
DATUM: NAD1983

END-OF-LATERAL
2614' FSL 243' FEL
SECTION 8, T23N, R6W
LAT: 36.238943°N
LONG: 107.484089°W
DATUM: NAD1927

LAT: 36.238957°N
LONG: 107.484694°W
DATUM: NAD1983

AV



WPX Energy Rocky Mountain, LLC

Rio Arriba County, NM NAD27

Chaco 2306-08E

NE Chaco Com #267H

OH

Design: OH



Survey Report - Geographic

08 December, 2014

CONFIDENTIAL



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5. Support Staff





Company Name: WPX Energy Rocky Mountain, LLC
 Project: Rio Arriba County, NM NAD27
 Site: Chaco 2306-08E
 Well: NE Chaco Com #267H

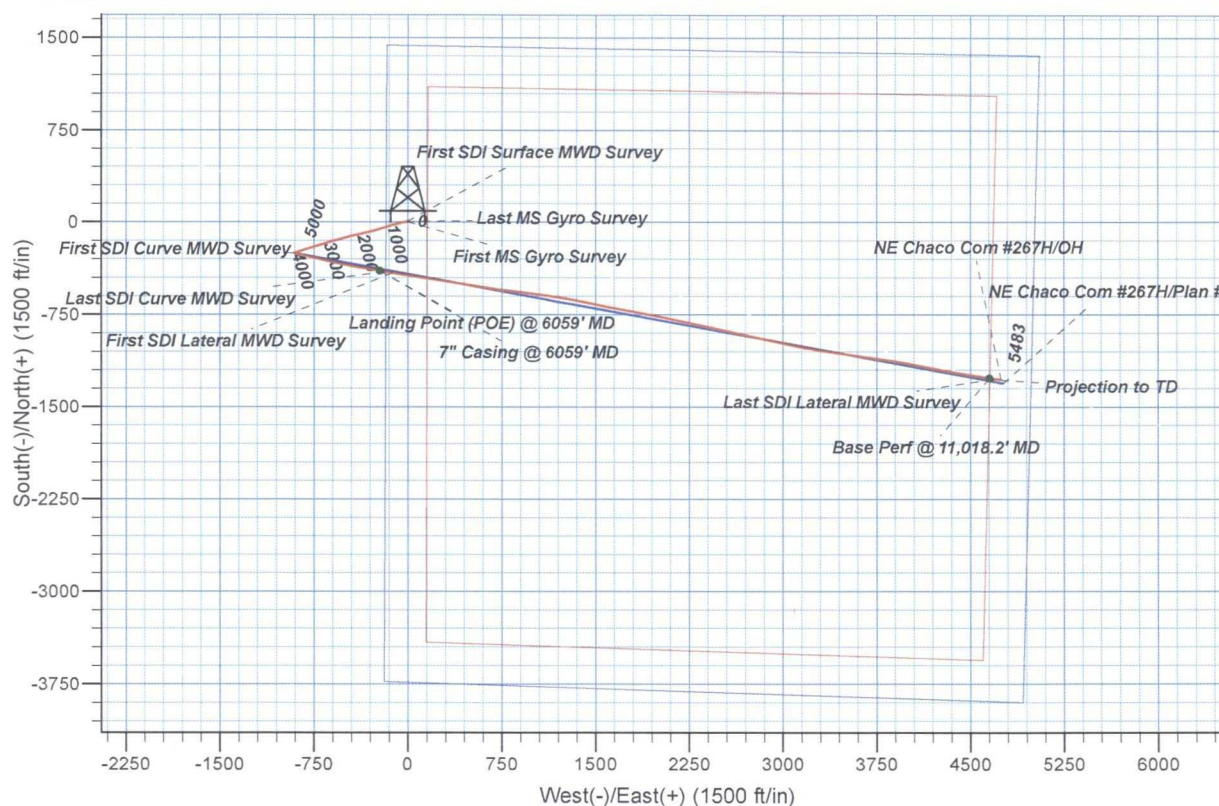
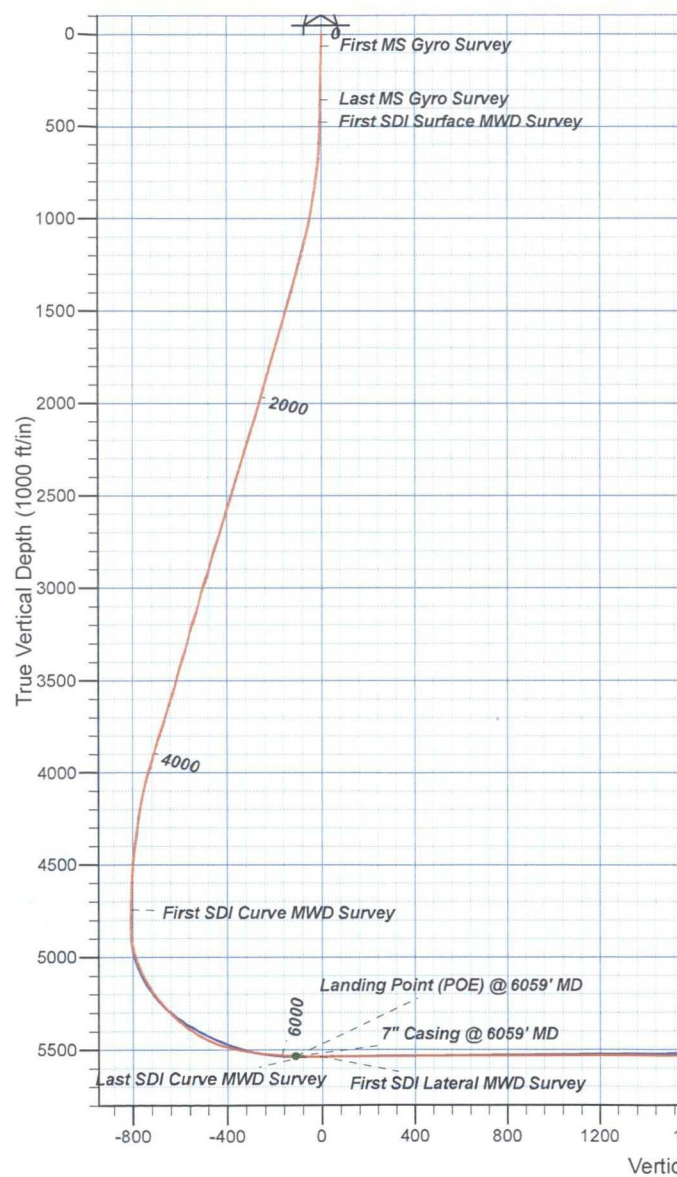


Azimuths to True North
 Magnetic North: 9.39°

Magnetic Field
 Strength: 50050.7snT
 Dip Angle: 63.01°
 Date: 11/19/2014
 Model: BGGM2014

WELL DETAILS: NE Chaco Com #267H

+N/-S	+E/-W	GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)	6845.00
0.00	0.00	Northing	Easting
		1909844.61	131337.13
		Latitude	Longitude
		36.2424630	-107.5001770



Design: OH (NE Chaco Com #267H/OH)
 Created By: Janie Collins Date: 16:20, December 08 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



Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #267H
Project:	Rio Arriba County, NM NAD27	TVD Reference:	GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
Site:	Chaco 2306-08E	MD Reference:	GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
Well:	NE Chaco Com #267H	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 2306-08E			
Site Position:		Northing:	1,909,844.62 usft	Latitude: 36.2424630
From:	Lat/Long	Easting:	131,337.13 usft	Longitude: -107.5001770
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence: -0.74 °

Well	NE Chaco Com #267H					
Well Position	+N/-S	0.00 ft	Northing:	1,909,844.62 usft	Latitude:	36.2424630
	+E/-W	0.00 ft	Easting:	131,337.13 usft	Longitude:	-107.5001770
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	6,845.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	11/19/2014	9.40	63.01	50,051

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	254.39

Survey Program	Date 12/8/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
63.00	353.00	Survey #1 - Gyro Survey (OH)	Gyro	
477.00	4,828.00	Survey #2 - Surface MWD Survey (OH)	MWD SDI	MWD - Standard ver 1.0.1
4,860.00	6,100.00	Survey #3 - Curve MWD Survey (OH)	MWD SDI	MWD - Standard ver 1.0.1
6,161.00	11,111.00	Survey #4 - 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	1,909,844.62	131,337.13	36.2424630	-107.5001770
63.00	0.54	264.63	63.00	-0.03	-0.30	1,909,844.59	131,336.83	36.2424629	-107.5001780
First MS Gyro Survey									
113.00	0.76	263.55	113.00	-0.09	-0.86	1,909,844.54	131,336.27	36.2424627	-107.5001800
163.00	0.68	280.88	162.99	-0.07	-1.48	1,909,844.57	131,335.65	36.2424628	-107.5001821
213.00	0.80	291.35	212.99	0.11	-2.10	1,909,844.76	131,335.03	36.2424633	-107.5001842
263.00	0.86	301.06	262.98	0.44	-2.74	1,909,845.09	131,334.39	36.2424642	-107.5001863
313.00	0.80	328.18	312.98	0.93	-3.25	1,909,845.58	131,333.89	36.2424655	-107.5001881

Company: WPX Energy Rocky Mountain, LLC
Project: Rio Arriba County, NM NAD27
Site: Chaco 2306-08E
Well: NE Chaco Com #267H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NE Chaco Com #267H
TVD Reference: GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
MD Reference: GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
North Reference: True
Survey Calculation Method: Minimum Curvature
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
353.00	0.71	315.95	352.97	1.34	-3.57	1,909,846.00	131,333.58	36.2424667	-107.5001891
Last MS Gyro Survey									
477.00	0.62	287.57	476.97	2.10	-4.74	1,909,846.77	131,332.41	36.2424687	-107.5001931
First SDI Surface MWD Survey									
527.00	1.22	267.40	526.96	2.15	-5.53	1,909,846.84	131,331.62	36.2424689	-107.5001958
590.00	2.17	256.66	589.93	1.85	-7.36	1,909,846.56	131,329.79	36.2424681	-107.5002020
654.00	3.54	258.14	653.85	1.16	-10.48	1,909,845.91	131,326.67	36.2424662	-107.5002126
717.00	5.00	259.31	716.67	0.25	-15.08	1,909,845.06	131,322.06	36.2424637	-107.5002282
783.00	7.09	257.29	782.30	-1.18	-21.88	1,909,843.72	131,315.24	36.2424597	-107.5002512
845.00	7.42	256.15	843.81	-2.98	-29.50	1,909,842.02	131,307.60	36.2424548	-107.5002771
908.00	8.30	256.42	906.21	-5.02	-37.87	1,909,840.09	131,299.20	36.2424492	-107.5003054
972.00	9.92	256.70	969.40	-7.37	-47.72	1,909,837.86	131,289.31	36.2424427	-107.5003389
1,033.00	10.09	256.14	1,029.48	-9.86	-58.02	1,909,835.51	131,278.98	36.2424359	-107.5003738
1,094.00	11.40	256.93	1,089.41	-12.50	-69.08	1,909,833.01	131,267.89	36.2424286	-107.5004113
1,155.00	12.49	255.79	1,149.08	-15.49	-81.35	1,909,830.18	131,255.58	36.2424204	-107.5004529
1,217.00	13.35	255.37	1,209.51	-18.94	-94.78	1,909,826.90	131,242.12	36.2424110	-107.5004984
1,279.00	14.20	254.28	1,269.73	-22.81	-109.02	1,909,823.22	131,227.82	36.2424003	-107.5005467
1,340.00	14.40	253.76	1,328.84	-26.96	-123.51	1,909,819.26	131,213.28	36.2423889	-107.5005958
1,401.00	14.41	253.54	1,387.92	-31.23	-138.07	1,909,815.17	131,198.67	36.2423772	-107.5006452
1,462.00	15.15	253.12	1,446.90	-35.69	-152.98	1,909,810.90	131,183.70	36.2423649	-107.5006957
1,522.00	15.10	252.56	1,504.83	-40.31	-167.93	1,909,806.47	131,168.69	36.2423522	-107.5007465
1,582.00	15.51	252.56	1,562.70	-45.06	-183.04	1,909,801.92	131,153.52	36.2423392	-107.5007977
1,642.00	15.68	252.11	1,620.49	-49.95	-198.41	1,909,797.23	131,138.09	36.2423258	-107.5008498
1,702.00	15.21	253.01	1,678.32	-54.75	-213.66	1,909,792.63	131,122.78	36.2423126	-107.5009015
1,764.00	14.78	252.90	1,738.21	-59.45	-228.99	1,909,788.13	131,107.39	36.2422997	-107.5009535
1,825.00	14.44	251.26	1,797.24	-64.18	-243.63	1,909,783.59	131,092.69	36.2422867	-107.5010031
1,886.00	14.38	253.13	1,856.32	-68.82	-258.08	1,909,779.13	131,078.18	36.2422739	-107.5010521
1,946.00	14.54	254.76	1,914.42	-72.96	-272.48	1,909,775.18	131,063.73	36.2422626	-107.5011009
2,008.00	13.95	254.25	1,974.51	-77.04	-287.18	1,909,771.29	131,048.98	36.2422514	-107.5011508
2,069.00	15.31	257.03	2,033.53	-80.84	-302.11	1,909,767.68	131,034.00	36.2422409	-107.5012014
2,130.00	16.02	258.47	2,092.27	-84.33	-318.20	1,909,764.40	131,017.86	36.2422313	-107.5012560
2,191.00	15.66	257.75	2,150.95	-87.76	-334.50	1,909,761.18	131,001.53	36.2422219	-107.5013112
2,252.00	14.61	257.00	2,209.84	-91.24	-350.04	1,909,757.90	130,985.94	36.2422124	-107.5013639
2,313.00	14.98	257.26	2,268.81	-94.71	-365.22	1,909,754.63	130,970.71	36.2422028	-107.5014154
2,374.00	14.49	256.97	2,327.81	-98.17	-380.35	1,909,751.37	130,955.55	36.2421933	-107.5014667
2,435.00	14.93	257.33	2,386.81	-101.61	-395.45	1,909,748.12	130,940.40	36.2421839	-107.5015179
2,495.00	15.61	256.38	2,444.69	-105.21	-410.84	1,909,744.72	130,924.97	36.2421740	-107.5015700
2,557.00	15.11	256.62	2,504.47	-109.04	-426.81	1,909,741.09	130,908.95	36.2421635	-107.5016242
2,618.00	15.77	256.01	2,563.27	-112.88	-442.58	1,909,737.45	130,893.13	36.2421529	-107.5016777
2,681.00	15.85	255.73	2,623.89	-117.07	-459.23	1,909,733.48	130,876.43	36.2421414	-107.5017341
2,744.00	15.14	256.76	2,684.60	-121.08	-475.58	1,909,729.68	130,860.03	36.2421304	-107.5017896
2,808.00	15.74	255.41	2,746.29	-125.18	-492.11	1,909,725.80	130,843.44	36.2421191	-107.5018456
2,871.00	15.73	254.13	2,806.93	-129.67	-508.60	1,909,721.52	130,826.90	36.2421068	-107.5019015
2,935.00	15.36	253.27	2,868.59	-134.48	-525.06	1,909,716.92	130,810.38	36.2420936	-107.5019573
2,998.00	14.81	252.89	2,929.42	-139.25	-540.74	1,909,712.35	130,794.63	36.2420805	-107.5020105
3,061.00	15.56	255.48	2,990.22	-143.74	-556.62	1,909,708.07	130,778.70	36.2420681	-107.5020643
3,126.00	15.56	254.62	3,052.83	-148.24	-573.47	1,909,703.79	130,761.80	36.2420558	-107.5021215
3,316.00	14.86	252.76	3,236.18	-162.22	-621.31	1,909,690.43	130,713.78	36.2420174	-107.5022837
3,379.00	15.59	251.90	3,296.97	-167.24	-637.07	1,909,685.61	130,697.96	36.2420036	-107.5023371
3,443.00	15.54	251.90	3,358.62	-172.58	-653.39	1,909,680.49	130,681.57	36.2419889	-107.5023925
3,506.00	15.40	249.65	3,419.34	-178.11	-669.26	1,909,675.16	130,665.63	36.2419737	-107.5024463
3,570.00	14.92	247.68	3,481.11	-184.19	-684.85	1,909,669.28	130,649.96	36.2419570	-107.5024991
3,633.00	14.93	250.60	3,541.99	-189.97	-700.00	1,909,663.70	130,634.73	36.2419412	-107.5025505
3,696.00	16.02	254.34	3,602.70	-195.01	-716.03	1,909,658.86	130,618.64	36.2419273	-107.5026048
3,759.00	16.41	255.47	3,663.20	-199.59	-733.02	1,909,654.50	130,601.60	36.2419147	-107.5026624

Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #267H
Project:	Rio Arriba County, NM NAD27	TVD Reference:	GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
Site:	Chaco 2306-08E	MD Reference:	GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
Well:	NE Chaco Com #267H	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
3,823.00	15.87	254.35	3,724.67	-204.22	-750.19	1,909,650.10	130,584.36	36.2419020	-107.5027207
3,886.00	15.83	254.96	3,785.28	-208.77	-766.79	1,909,645.76	130,567.71	36.2418895	-107.5027769
3,948.00	15.88	253.10	3,844.92	-213.43	-783.07	1,909,641.31	130,551.37	36.2418767	-107.5028321
4,011.00	15.96	253.05	3,905.50	-218.46	-799.60	1,909,636.49	130,534.78	36.2418629	-107.5028882
4,075.00	14.77	252.37	3,967.22	-223.50	-815.79	1,909,631.66	130,518.52	36.2418491	-107.5029431
4,138.00	13.60	252.73	4,028.29	-228.13	-830.52	1,909,627.22	130,503.74	36.2418363	-107.5029930
4,201.00	11.56	252.16	4,089.78	-232.26	-843.60	1,909,623.26	130,490.60	36.2418250	-107.5030374
4,263.00	10.39	252.17	4,150.64	-235.88	-854.84	1,909,619.79	130,479.32	36.2418150	-107.5030755
4,326.00	9.05	248.95	4,212.74	-239.40	-864.87	1,909,616.40	130,469.24	36.2418054	-107.5031095
4,389.00	7.93	247.02	4,275.05	-242.87	-873.50	1,909,613.03	130,460.57	36.2417958	-107.5031387
4,451.00	7.10	252.81	4,336.51	-245.68	-881.10	1,909,610.33	130,452.94	36.2417881	-107.5031645
4,514.00	6.54	260.86	4,399.07	-247.40	-888.36	1,909,608.70	130,445.65	36.2417834	-107.5031891
4,577.00	4.85	257.39	4,461.76	-248.55	-894.50	1,909,607.63	130,439.50	36.2417802	-107.5032100
4,640.00	3.36	246.07	4,524.59	-249.88	-898.79	1,909,606.36	130,435.20	36.2417766	-107.5032245
4,703.00	3.03	242.23	4,587.50	-251.40	-901.95	1,909,604.87	130,432.02	36.2417724	-107.5032352
4,765.00	1.79	249.34	4,649.44	-252.51	-904.30	1,909,603.80	130,429.65	36.2417694	-107.5032432
4,828.00	0.88	242.95	4,712.42	-253.07	-905.65	1,909,603.25	130,428.29	36.2417678	-107.5032478
4,860.00	0.57	242.17	4,744.42	-253.26	-906.01	1,909,603.07	130,427.92	36.2417673	-107.5032490
First SDI Curve MWD Survey									
4,923.00	0.86	224.87	4,807.42	-253.74	-906.62	1,909,602.59	130,427.31	36.2417660	-107.5032511
4,985.00	0.74	140.05	4,869.41	-254.38	-906.70	1,909,601.96	130,427.23	36.2417642	-107.5032513
5,017.00	4.66	110.56	4,901.37	-254.99	-905.35	1,909,601.33	130,428.57	36.2417625	-107.5032467
5,048.00	7.40	110.06	4,932.20	-256.12	-902.29	1,909,600.16	130,431.61	36.2417594	-107.5032364
5,080.00	10.75	107.78	4,963.79	-257.74	-897.51	1,909,598.48	130,436.37	36.2417550	-107.5032202
5,111.00	13.92	107.31	4,994.07	-259.73	-891.20	1,909,596.40	130,442.66	36.2417495	-107.5031988
5,142.00	16.50	102.69	5,023.98	-261.81	-883.34	1,909,594.23	130,450.49	36.2417438	-107.5031721
5,174.00	18.57	98.47	5,054.50	-263.56	-873.87	1,909,592.36	130,459.94	36.2417390	-107.5031400
5,205.00	20.61	98.28	5,083.70	-265.07	-863.58	1,909,590.71	130,470.20	36.2417349	-107.5031051
5,237.00	22.34	102.31	5,113.48	-267.18	-852.07	1,909,588.45	130,481.69	36.2417291	-107.5030661
5,268.00	24.23	105.27	5,141.95	-270.11	-840.17	1,909,585.37	130,493.54	36.2417210	-107.5030258
5,300.00	26.52	104.30	5,170.87	-273.61	-826.91	1,909,581.70	130,506.76	36.2417114	-107.5029808
5,331.00	28.68	103.48	5,198.34	-277.05	-812.97	1,909,578.08	130,520.65	36.2417020	-107.5029335
5,362.00	31.07	103.12	5,225.22	-280.60	-797.94	1,909,574.34	130,535.63	36.2416922	-107.5028826
5,393.00	33.41	103.25	5,251.43	-284.37	-781.84	1,909,570.36	130,551.68	36.2416818	-107.5028280
5,425.00	36.18	102.29	5,277.71	-288.40	-764.04	1,909,566.10	130,569.44	36.2416708	-107.5027676
5,456.00	37.81	103.86	5,302.47	-292.63	-745.87	1,909,561.64	130,587.55	36.2416592	-107.5027060
5,488.00	39.96	104.32	5,327.38	-297.52	-726.39	1,909,556.49	130,606.96	36.2416457	-107.5026399
5,519.00	42.12	105.46	5,350.76	-302.75	-706.72	1,909,551.01	130,626.56	36.2416314	-107.5025733
5,551.00	45.30	104.53	5,373.89	-308.47	-685.36	1,909,545.02	130,647.84	36.2416157	-107.5025008
5,582.00	49.57	104.03	5,394.85	-314.10	-663.24	1,909,539.10	130,669.89	36.2416002	-107.5024258
5,613.00	52.82	103.47	5,414.27	-319.83	-639.78	1,909,533.06	130,693.28	36.2415844	-107.5023463
5,645.00	56.11	101.55	5,432.87	-325.47	-614.36	1,909,527.11	130,718.62	36.2415690	-107.5022601
5,676.00	58.25	100.88	5,449.67	-330.53	-588.81	1,909,521.71	130,744.11	36.2415551	-107.5021735
5,708.00	62.91	100.52	5,465.39	-335.70	-561.42	1,909,516.19	130,771.42	36.2415409	-107.5020806
5,739.00	67.20	100.87	5,478.46	-340.92	-533.81	1,909,510.62	130,798.96	36.2415265	-107.5019870
5,770.00	71.35	101.41	5,489.43	-346.52	-505.37	1,909,504.65	130,827.33	36.2415112	-107.5018906
5,802.00	75.45	100.71	5,498.57	-352.40	-475.28	1,909,498.38	130,857.34	36.2414950	-107.5017885
5,833.00	77.90	100.81	5,505.71	-358.03	-445.65	1,909,492.37	130,886.90	36.2414795	-107.5016881
5,864.00	78.25	100.59	5,512.12	-363.66	-415.84	1,909,486.35	130,916.63	36.2414641	-107.5015870
5,896.00	78.44	99.75	5,518.58	-369.20	-385.00	1,909,480.42	130,947.40	36.2414489	-107.5014824
5,927.00	80.38	99.04	5,524.28	-374.17	-354.93	1,909,475.06	130,977.40	36.2414352	-107.5013805
5,958.00	84.00	99.42	5,528.49	-379.10	-324.62	1,909,469.74	131,007.64	36.2414217	-107.5012777
5,990.00	84.58	99.50	5,531.67	-384.33	-293.22	1,909,464.10	131,038.98	36.2414073	-107.5011712
6,014.00	86.17	99.00	5,533.61	-388.17	-269.61	1,909,459.95	131,062.54	36.2413968	-107.5010912

Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #267H
Project:	Rio Arriba County, NM NAD27	TVD Reference:	GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
Site:	Chaco 2306-08E	MD Reference:	GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
Well:	NE Chaco Com #267H	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
6,059.00	88.05	99.53	5,535.88	-395.41	-225.25	1,909,452.15	131,106.79	36.2413769	-107.5009408
7" Casing @ 6059' MD									
6,100.00	89.76	100.02	5,536.66	-402.37	-184.86	1,909,444.66	131,147.10	36.2413578	-107.5008038
Last SDI Curve MWD Survey									
6,161.00	90.20	99.22	5,536.68	-412.57	-124.72	1,909,433.70	131,207.10	36.2413298	-107.5005999
First SDI Lateral MWD Survey									
6,222.00	90.34	99.82	5,536.40	-422.66	-64.56	1,909,422.83	131,267.12	36.2413020	-107.5003959
6,282.00	90.91	98.99	5,535.74	-432.46	-5.37	1,909,412.26	131,326.18	36.2412751	-107.5001952
6,343.00	89.93	99.42	5,535.29	-442.22	54.84	1,909,401.73	131,386.26	36.2412483	-107.4999911
6,405.00	89.43	98.63	5,535.64	-451.94	116.08	1,909,391.22	131,447.36	36.2412216	-107.4997835
6,467.00	89.60	98.60	5,536.17	-461.23	177.37	1,909,381.14	131,508.54	36.2411961	-107.4995756
6,529.00	90.37	98.16	5,536.18	-470.26	238.71	1,909,371.31	131,569.75	36.2411713	-107.4993677
6,590.00	91.21	98.76	5,535.34	-479.24	299.04	1,909,361.56	131,629.96	36.2411466	-107.4991631
6,651.00	91.48	99.15	5,533.91	-488.73	359.28	1,909,351.29	131,690.07	36.2411205	-107.4989589
6,712.00	90.74	98.96	5,532.73	-498.33	419.51	1,909,340.92	131,750.17	36.2410942	-107.4987547
6,773.00	90.44	98.97	5,532.10	-507.83	479.76	1,909,330.64	131,810.30	36.2410681	-107.4985504
6,834.00	90.17	99.85	5,531.77	-517.81	539.94	1,909,319.89	131,870.34	36.2410407	-107.4983463
6,895.00	90.20	100.00	5,531.58	-528.32	600.02	1,909,308.60	131,930.29	36.2410118	-107.4981426
6,956.00	90.30	99.11	5,531.31	-538.45	660.18	1,909,297.70	131,990.30	36.2409840	-107.4979387
7,017.00	89.33	97.53	5,531.51	-547.27	720.53	1,909,288.09	132,050.54	36.2409597	-107.4977340
7,076.00	89.40	97.50	5,532.16	-554.99	779.02	1,909,279.63	132,108.92	36.2409385	-107.4975357
7,137.00	90.07	97.20	5,532.44	-562.79	839.52	1,909,271.04	132,169.32	36.2409171	-107.4973306
7,197.00	90.60	97.02	5,532.09	-570.22	899.06	1,909,262.85	132,228.75	36.2408967	-107.4971287
7,258.00	90.10	97.52	5,531.72	-577.94	959.56	1,909,254.35	132,289.15	36.2408755	-107.4969236
7,318.00	89.76	97.06	5,531.79	-585.55	1,019.08	1,909,245.97	132,348.57	36.2408546	-107.4967218
7,380.00	89.33	97.58	5,532.29	-593.45	1,080.57	1,909,237.28	132,409.95	36.2408328	-107.4965133
7,441.00	90.30	97.76	5,532.48	-601.59	1,141.03	1,909,228.36	132,470.29	36.2408105	-107.4963083
7,502.00	90.03	100.22	5,532.31	-611.12	1,201.27	1,909,218.05	132,530.41	36.2407843	-107.4961040
7,563.00	90.17	100.94	5,532.20	-622.32	1,261.23	1,909,206.08	132,590.23	36.2407535	-107.4959007
7,626.00	89.43	100.25	5,532.42	-633.91	1,323.16	1,909,193.69	132,652.00	36.2407217	-107.4956908
7,689.00	90.10	101.14	5,532.68	-645.60	1,385.06	1,909,181.20	132,713.74	36.2406896	-107.4954809
7,752.00	90.23	102.59	5,532.50	-658.55	1,446.71	1,909,167.46	132,775.22	36.2406540	-107.4952718
7,815.00	90.13	102.03	5,532.30	-671.98	1,508.27	1,909,153.23	132,836.60	36.2406171	-107.4950632
7,877.00	90.03	102.04	5,532.21	-684.91	1,568.90	1,909,139.52	132,897.06	36.2405816	-107.4948576
7,940.00	90.04	100.71	5,532.17	-697.33	1,630.66	1,909,126.30	132,958.66	36.2405474	-107.4946482
8,003.00	89.96	98.87	5,532.17	-708.05	1,692.74	1,909,114.79	133,020.59	36.2405180	-107.4944377
8,066.00	90.40	100.54	5,531.98	-718.67	1,754.84	1,909,103.37	133,082.55	36.2404888	-107.4942271
8,129.00	90.10	101.88	5,531.70	-730.91	1,816.64	1,909,090.33	133,144.18	36.2404552	-107.4940176
8,192.00	89.46	100.82	5,531.94	-743.31	1,878.40	1,909,077.13	133,205.78	36.2404211	-107.4938082
8,255.00	90.27	100.83	5,532.09	-755.14	1,940.28	1,909,064.50	133,267.50	36.2403886	-107.4935984
8,318.00	91.07	101.27	5,531.36	-767.22	2,002.11	1,909,051.63	133,329.17	36.2403554	-107.4933888
8,380.00	90.87	101.63	5,530.31	-779.52	2,062.86	1,909,038.55	133,389.76	36.2403216	-107.4931828
8,443.00	90.81	101.67	5,529.38	-792.24	2,124.56	1,909,025.03	133,451.29	36.2402866	-107.4929736
8,506.00	90.94	101.52	5,528.42	-804.91	2,186.27	1,909,011.57	133,512.82	36.2402519	-107.4927644
8,569.00	90.77	102.13	5,527.48	-817.81	2,247.92	1,908,997.87	133,574.31	36.2402164	-107.4925553
8,632.00	90.97	102.04	5,526.52	-831.00	2,309.52	1,908,983.89	133,635.73	36.2401801	-107.4923465
8,695.00	91.61	102.96	5,525.11	-844.63	2,371.01	1,908,969.47	133,697.04	36.2401427	-107.4921380
8,758.00	92.11	102.68	5,523.06	-858.61	2,432.41	1,908,954.70	133,758.25	36.2401043	-107.4919298
8,821.00	90.97	102.71	5,521.37	-872.45	2,493.84	1,908,940.07	133,819.50	36.2400663	-107.4917215
8,884.00	91.92	103.04	5,519.78	-886.48	2,555.24	1,908,925.25	133,880.71	36.2400277	-107.4915134
8,946.00	92.18	102.89	5,517.56	-900.38	2,615.62	1,908,910.57	133,940.91	36.2399895	-107.4913086
9,009.00	91.78	102.66	5,515.38	-914.30	2,677.02	1,908,895.85	134,002.13	36.2399512	-107.4911005
9,072.00	90.74	102.84	5,514.00	-928.20	2,738.45	1,908,881.16	134,063.37	36.2399130	-107.4908922
9,135.00	90.04	102.47	5,513.57	-942.00	2,799.92	1,908,866.57	134,124.66	36.2398751	-107.4906838
9,198.00	90.13	101.33	5,513.48	-954.99	2,861.57	1,908,852.78	134,186.13	36.2398394	-107.4904748

Company: WPX Energy Rocky Mountain, LLC
Project: Rio Arriba County, NM NAD27
Site: Chaco 2306-08E
Well: NE Chaco Com #267H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NE Chaco Com #267H
TVD Reference: GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
MD Reference: GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
North Reference: True
Survey Calculation Method: Minimum Curvature
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
9,260.00	90.13	102.38	5,513.34	-967.73	2,922.24	1,908,839.27	134,246.64	36.2398044	-107.4902690
9,323.00	90.44	102.76	5,513.02	-981.44	2,983.73	1,908,824.76	134,307.94	36.2397667	-107.4900606
9,386.00	89.87	102.47	5,512.85	-995.20	3,045.21	1,908,810.21	134,369.24	36.2397289	-107.4898521
9,449.00	90.30	101.56	5,512.76	-1,008.32	3,106.83	1,908,796.30	134,430.68	36.2396929	-107.4896432
9,512.00	90.13	100.83	5,512.52	-1,020.55	3,168.63	1,908,783.28	134,492.32	36.2396593	-107.4894337
9,575.00	89.96	100.27	5,512.47	-1,032.08	3,230.56	1,908,770.94	134,554.10	36.2396276	-107.4892237
9,638.00	89.87	98.96	5,512.57	-1,042.60	3,292.68	1,908,759.62	134,616.07	36.2395987	-107.4890131
9,701.00	89.78	98.69	5,512.76	-1,052.27	3,354.93	1,908,749.15	134,678.20	36.2395721	-107.4888020
9,763.00	90.13	98.18	5,512.81	-1,061.36	3,416.26	1,908,739.27	134,739.40	36.2395471	-107.4885941
9,826.00	90.13	97.20	5,512.66	-1,069.79	3,478.69	1,908,730.03	134,801.72	36.2395239	-107.4883824
9,889.00	90.40	98.59	5,512.37	-1,078.45	3,541.09	1,908,720.58	134,864.01	36.2395001	-107.4881708
9,952.00	90.94	98.61	5,511.64	-1,087.87	3,603.38	1,908,710.35	134,926.17	36.2394742	-107.4879597
10,015.00	90.64	99.43	5,510.77	-1,097.74	3,665.60	1,908,699.67	134,988.25	36.2394471	-107.4877487
10,078.00	91.34	98.53	5,509.68	-1,107.58	3,727.81	1,908,689.04	135,050.33	36.2394200	-107.4875378
10,140.00	89.52	97.73	5,509.21	-1,116.34	3,789.19	1,908,679.48	135,111.59	36.2393959	-107.4873297
10,203.00	89.66	98.17	5,509.66	-1,125.06	3,851.58	1,908,669.97	135,173.86	36.2393720	-107.4871182
10,266.00	91.98	100.38	5,508.76	-1,135.21	3,913.74	1,908,659.01	135,235.89	36.2393441	-107.4869074
10,329.00	93.72	99.72	5,505.63	-1,146.19	3,975.69	1,908,647.23	135,297.70	36.2393139	-107.4866973
10,392.00	93.50	100.39	5,501.66	-1,157.16	4,037.60	1,908,635.46	135,359.46	36.2392837	-107.4864874
10,455.00	94.80	101.47	5,497.10	-1,169.08	4,099.30	1,908,622.75	135,420.99	36.2392510	-107.4862783
10,518.00	94.71	101.80	5,491.88	-1,181.74	4,160.79	1,908,609.30	135,482.32	36.2392162	-107.4860698
10,581.00	93.42	100.73	5,487.42	-1,194.01	4,222.42	1,908,596.23	135,543.78	36.2391824	-107.4858608
10,644.00	92.89	99.91	5,483.95	-1,205.28	4,284.30	1,908,584.16	135,605.52	36.2391514	-107.4856510
10,707.00	91.31	100.36	5,481.64	-1,216.36	4,346.28	1,908,572.28	135,667.34	36.2391210	-107.4854409
10,769.00	90.87	99.99	5,480.46	-1,227.31	4,407.29	1,908,560.55	135,728.21	36.2390909	-107.4852340
10,832.00	90.40	99.68	5,479.76	-1,238.07	4,469.36	1,908,548.99	135,790.13	36.2390613	-107.4850236
10,895.00	89.87	99.48	5,479.61	-1,248.56	4,531.48	1,908,537.70	135,852.11	36.2390325	-107.4848130
10,958.00	89.96	99.04	5,479.71	-1,258.70	4,593.66	1,908,526.76	135,914.16	36.2390046	-107.4846022
11,018.20	88.95	97.20	5,480.28	-1,267.20	4,653.25	1,908,517.50	135,973.63	36.2389812	-107.4844001
Base Perf @ 11,018.2' MD									
11,021.00	88.90	97.11	5,480.33	-1,267.54	4,656.03	1,908,517.11	135,976.41	36.2389803	-107.4843907
11,048.00	88.56	98.88	5,480.93	-1,271.30	4,682.76	1,908,513.01	136,003.09	36.2389699	-107.4843001
Last SDI Lateral MWD Survey									
11,111.00	88.56	98.88	5,482.52	-1,281.02	4,744.98	1,908,502.49	136,065.18	36.2389432	-107.4840891
Projection to TD									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
63.00	63.00	-0.03	-0.30	First MS Gyro Survey
353.00	352.97	1.34	-3.57	Last MS Gyro Survey
477.00	476.97	2.10	-4.74	First SDI Surface MWD Survey
4,860.00	4,744.42	-253.26	-906.01	First SDI Curve MWD Survey
6,059.00	5,535.88	-395.41	-225.25	7" Casing @ 6059' MD
6,100.00	5,536.66	-402.37	-184.86	Last SDI Curve MWD Survey
6,161.00	5,536.68	-412.57	-124.72	First SDI Lateral MWD Survey
11,018.20	5,480.28	-1,267.20	4,653.25	Base Perf @ 11,018.2' MD
11,048.00	5,480.93	-1,271.30	4,682.76	Last SDI Lateral MWD Survey
11,111.00	5,482.52	-1,281.02	4,744.98	Projection to TD



Survey Report - Geographic



Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #267H
Project:	Rio Arriba County, NM NAD27	TVD Reference:	GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
Site:	Chaco 2306-08E	MD Reference:	GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)
Well:	NE Chaco Com #267H	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction District

Checked By: _____ Approved By: _____ Date: _____