

10



WPX Energy Rocky Mountain, LLC

Rio Arriba County, NM NAD27

Chaco 2306-08E

NE Chaco Com #266H

OH

Design: OH



Survey Report - Geographic

30 December, 2014

CONFIDENTIAL



TABLE OF CONTENTS

1. Directional Plot and Surveys
2. Daily Drilling Reports
3. BHA Summary Reports and Slide Sheets
4. Graphical Job History
5. Support Staff



Scientific Drilling





Company Name: WPX Energy Rocky Mountain, LLC
 Project: Rio Arriba County, NM NAD27
 Site: Chaco 2306-08E
 Well: NE Chaco Com #266H

WPXENERGY

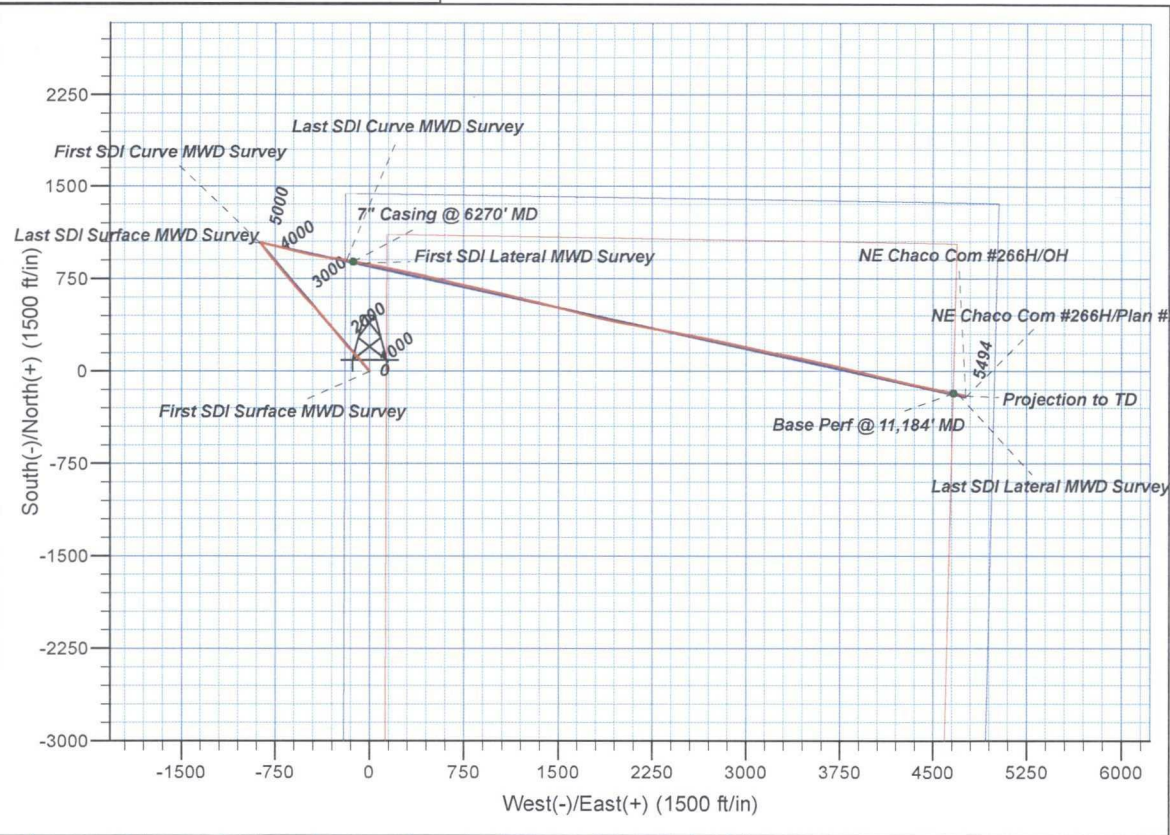
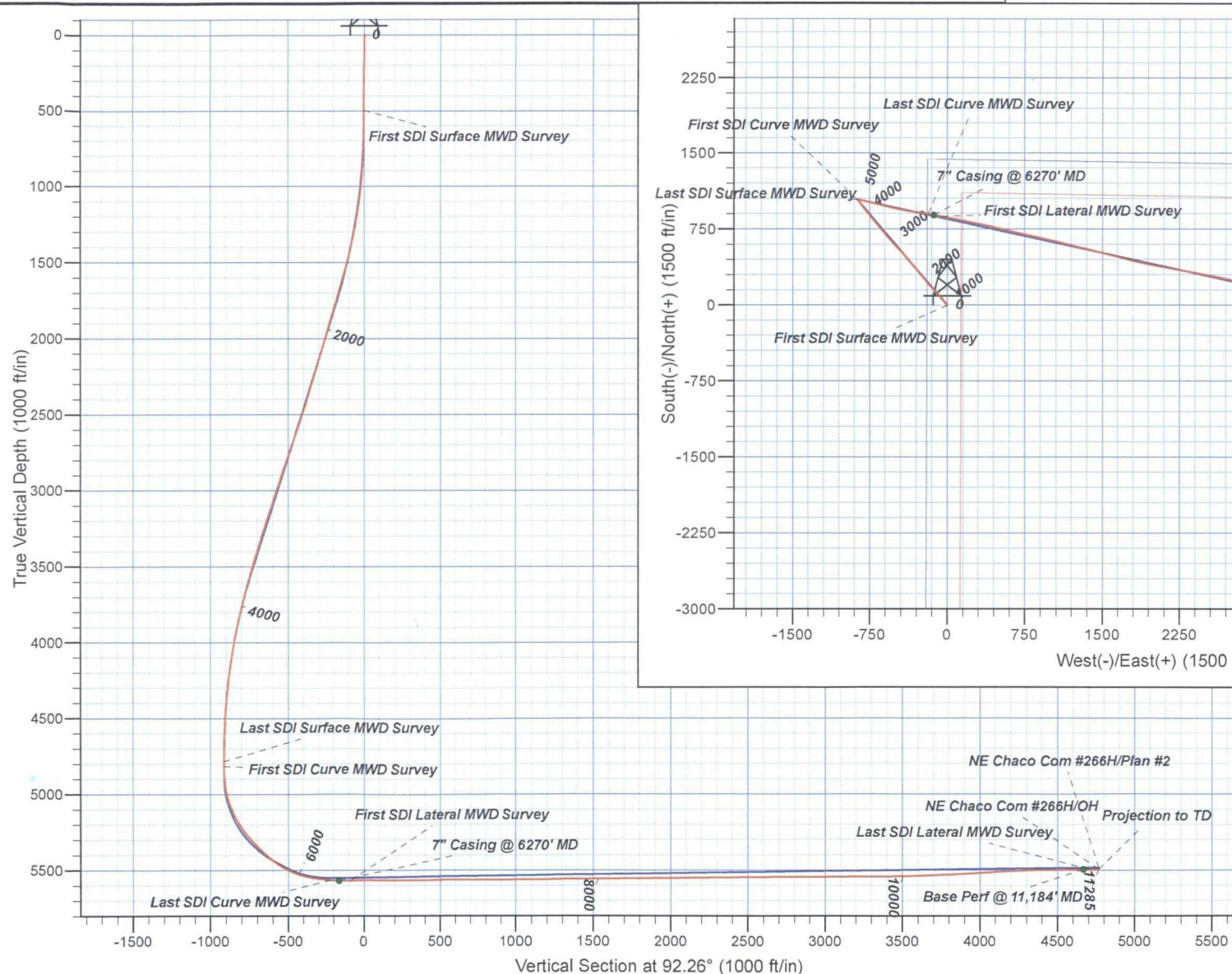


Azimuths to True North
 Magnetic North: 9.39°

Magnetic Field
 Strength: 50044.7snT
 Dip Angle: 63.01°
 Date: 12/6/2014
 Model: BGGM2014

WELL DETAILS: NE Chaco Com #266H

+N/-S	+E/-W	GL 6845' & RKB 13' @ 6858.00ft (Aztec 222)	6845.00
0.00	0.00	Northing	Easting
		1909841.78	131358.92
		Latitude	Longitude
		36.2424560	-107.5001030



Design: OH (NE Chaco Com #266H/OH)
Created By: Janie Collins Date: 17:31, February 02 2015
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 #266H
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 #266H	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 #266H					
Well Position	+N/-S	0.00 ft	Northing:	1,909,841.79 usft	Latitude:	36.2424560
	+E/-W	0.00 ft	Easting:	131,358.92 usft	Longitude:	-107.5001030
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	12/6/2014	9.39	63.01	50,045

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	92.26	

Survey Program	Date	2/2/2015			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
63.00	363.00	Survey #1 - Gyro Survey (OH)	Gyro		
498.00	5,046.00	Survey #2 - Surface MWD Survey (OH)	MWD SDI	MWD - Standard ver 1.0.1	
5,078.00	6,217.00	Survey #3 - Curve MWD Survey (OH)	MWD SDI	MWD - Standard ver 1.0.1	
6,349.00	11,285.00	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	1,909,841.79	131,358.92	36.2424560	-107.5001030
63.00	0.37	233.40	63.00	-0.12	-0.16	1,909,841.67	131,358.75	36.2424556	-107.5001036
113.00	0.34	238.60	113.00	-0.29	-0.42	1,909,841.50	131,358.49	36.2424552	-107.5001045
163.00	0.33	237.97	163.00	-0.45	-0.67	1,909,841.35	131,358.24	36.2424547	-107.5001053
213.00	0.35	206.35	213.00	-0.66	-0.86	1,909,841.14	131,358.05	36.2424542	-107.5001060
263.00	0.45	198.29	263.00	-0.98	-0.99	1,909,840.82	131,357.92	36.2424533	-107.5001064
313.00	0.37	206.12	312.99	-1.32	-1.12	1,909,840.49	131,357.78	36.2424524	-107.5001068
363.00	0.23	165.58	362.99	-1.56	-1.17	1,909,840.24	131,357.73	36.2424517	-107.5001070

Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #266H
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 #266H	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
498.00	0.81	200.85	497.99	-2.71	-1.44	1,909,839.09	131,357.44	36.2424485	-107.5001079
First SDI Surface MWD Survey									
530.00	0.88	201.34	529.98	-3.15	-1.61	1,909,838.66	131,357.27	36.2424473	-107.5001085
591.00	0.65	282.91	590.98	-3.51	-2.12	1,909,838.30	131,356.76	36.2424463	-107.5001102
655.00	1.33	326.56	654.97	-2.81	-2.88	1,909,839.01	131,356.00	36.2424483	-107.5001128
716.00	2.65	339.99	715.93	-0.90	-3.75	1,909,840.94	131,355.16	36.2424535	-107.5001158
776.00	4.24	336.67	775.82	2.45	-5.11	1,909,844.30	131,353.85	36.2424627	-107.5001204
837.00	5.42	334.42	836.61	7.11	-7.24	1,909,848.99	131,351.77	36.2424755	-107.5001276
898.00	6.35	329.58	897.28	12.62	-10.19	1,909,854.54	131,348.89	36.2424906	-107.5001376
959.00	7.97	322.94	957.81	18.91	-14.45	1,909,860.88	131,344.71	36.2425079	-107.5001520
1,021.00	9.48	319.13	1,019.09	26.20	-20.38	1,909,868.25	131,338.88	36.2425279	-107.5001722
1,082.00	10.86	319.21	1,079.13	34.35	-27.42	1,909,876.49	131,331.94	36.2425503	-107.5001960
1,143.00	12.43	317.53	1,138.87	43.54	-35.61	1,909,885.78	131,323.87	36.2425756	-107.5002238
1,203.00	14.16	319.85	1,197.26	53.92	-44.70	1,909,896.27	131,314.91	36.2426041	-107.5002546
1,264.00	15.92	322.39	1,256.17	66.25	-54.62	1,909,908.73	131,305.16	36.2426379	-107.5002882
1,325.00	17.77	323.29	1,314.55	80.34	-65.29	1,909,922.96	131,294.67	36.2426766	-107.5003244
1,387.00	18.13	321.23	1,373.53	95.44	-76.99	1,909,938.22	131,283.17	36.2427181	-107.5003641
1,448.00	19.70	317.46	1,431.24	110.42	-89.88	1,909,953.36	131,270.47	36.2427593	-107.5004078
1,508.00	20.50	316.39	1,487.58	125.48	-103.97	1,909,968.60	131,256.58	36.2428006	-107.5004556
1,568.00	21.51	317.20	1,543.60	141.16	-118.69	1,909,984.46	131,242.06	36.2428437	-107.5005055
1,628.00	22.46	315.96	1,599.23	157.47	-134.13	1,910,000.97	131,226.83	36.2428885	-107.5005578
1,690.00	21.88	317.37	1,656.65	174.48	-150.19	1,910,018.19	131,210.99	36.2429352	-107.5006123
1,750.00	22.40	316.11	1,712.23	190.95	-165.69	1,910,034.85	131,195.71	36.2429805	-107.5006648
1,810.00	23.01	317.63	1,767.58	207.85	-181.52	1,910,051.96	131,180.10	36.2430269	-107.5007185
1,871.00	23.26	317.78	1,823.67	225.58	-197.64	1,910,069.89	131,164.20	36.2430756	-107.5007732
1,932.00	23.18	320.30	1,879.73	243.73	-213.41	1,910,088.25	131,148.67	36.2431255	-107.5008266
1,994.00	22.86	322.65	1,936.80	262.70	-228.51	1,910,107.41	131,133.82	36.2431775	-107.5008778
2,054.00	23.59	322.50	1,991.93	281.49	-242.89	1,910,126.38	131,119.68	36.2432291	-107.5009266
2,115.00	25.69	324.19	2,047.38	301.89	-258.05	1,910,146.99	131,104.78	36.2432852	-107.5009780
2,177.00	26.00	323.99	2,103.17	323.79	-273.91	1,910,169.08	131,089.21	36.2433453	-107.5010318
2,238.00	26.07	323.00	2,157.98	345.31	-289.83	1,910,190.80	131,073.56	36.2434044	-107.5010858
2,298.00	25.42	322.03	2,212.03	365.99	-305.69	1,910,211.69	131,057.97	36.2434613	-107.5011396
2,362.00	24.96	321.34	2,269.94	387.36	-322.58	1,910,233.28	131,041.36	36.2435200	-107.5011968
2,425.00	24.22	320.89	2,327.23	407.77	-339.03	1,910,253.89	131,025.17	36.2435760	-107.5012526
2,489.00	23.74	319.56	2,385.71	427.76	-355.67	1,910,274.10	131,008.79	36.2436309	-107.5013090
2,553.00	24.56	318.73	2,444.10	447.56	-372.80	1,910,294.12	130,991.92	36.2436853	-107.5013671
2,616.00	25.38	318.24	2,501.21	467.47	-390.43	1,910,314.26	130,974.55	36.2437400	-107.5014269
2,680.00	24.99	316.89	2,559.13	487.57	-408.81	1,910,334.59	130,956.44	36.2437952	-107.5014892
2,743.00	25.54	315.33	2,616.10	506.95	-427.45	1,910,354.21	130,938.05	36.2438484	-107.5015524
2,807.00	25.32	316.46	2,673.90	526.68	-446.57	1,910,374.18	130,919.18	36.2439026	-107.5016173
2,870.00	25.13	315.18	2,730.90	545.93	-465.28	1,910,393.68	130,900.72	36.2439555	-107.5016807
2,932.00	25.53	317.86	2,786.94	565.18	-483.53	1,910,413.16	130,882.72	36.2440084	-107.5017426
2,995.00	25.36	319.35	2,843.83	585.48	-501.43	1,910,433.69	130,865.09	36.2440641	-107.5018032
3,058.00	25.74	318.85	2,900.67	606.02	-519.22	1,910,454.45	130,847.56	36.2441206	-107.5018636
3,121.00	26.11	319.17	2,957.33	626.81	-537.28	1,910,475.48	130,829.77	36.2441777	-107.5019248
3,184.00	26.14	320.97	3,013.89	648.08	-555.09	1,910,496.97	130,812.24	36.2442361	-107.5019852
3,247.00	25.82	320.20	3,070.52	669.40	-572.61	1,910,518.52	130,794.99	36.2442947	-107.5020446
3,310.00	25.63	320.21	3,127.28	690.41	-590.11	1,910,539.75	130,777.77	36.2443524	-107.5021040
3,373.00	25.45	319.74	3,184.12	711.21	-607.58	1,910,560.78	130,760.57	36.2444095	-107.5021632
3,436.00	25.21	320.88	3,241.07	731.95	-624.79	1,910,581.74	130,743.62	36.2444665	-107.5022216
3,498.00	24.65	321.11	3,297.29	752.26	-641.24	1,910,602.26	130,727.44	36.2445222	-107.5022773
3,561.00	24.91	321.09	3,354.49	772.81	-657.82	1,910,623.02	130,711.12	36.2445787	-107.5023336
3,624.00	25.09	320.36	3,411.59	793.42	-674.68	1,910,643.84	130,694.53	36.2446353	-107.5023907
3,687.00	23.50	320.84	3,469.01	813.45	-691.13	1,910,664.08	130,678.34	36.2446903	-107.5024465
3,751.00	21.87	321.20	3,528.05	832.63	-706.66	1,910,683.46	130,663.06	36.2447430	-107.5024992

Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #266H
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 #266H	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
3,814.00	21.30	321.94	3,586.64	850.79	-721.07	1,910,701.80	130,648.89	36.2447929	-107.5025480
3,878.00	20.95	320.28	3,646.33	868.74	-735.54	1,910,719.94	130,634.64	36.2448422	-107.5025971
3,941.00	20.50	318.97	3,705.26	885.72	-749.98	1,910,737.11	130,620.43	36.2448888	-107.5026461
4,004.00	19.07	318.95	3,764.54	901.81	-763.98	1,910,753.37	130,606.63	36.2449330	-107.5026935
4,067.00	18.38	320.06	3,824.20	917.18	-777.12	1,910,768.92	130,593.70	36.2449752	-107.5027381
4,131.00	17.76	322.12	3,885.05	932.63	-789.59	1,910,784.52	130,581.43	36.2450177	-107.5027804
4,195.00	17.32	323.41	3,946.07	947.98	-801.26	1,910,800.02	130,569.95	36.2450598	-107.5028199
4,259.00	16.17	325.03	4,007.36	962.93	-812.05	1,910,815.11	130,559.36	36.2451009	-107.5028565
4,322.00	14.44	325.02	4,068.12	976.56	-821.58	1,910,828.86	130,550.00	36.2451383	-107.5028888
4,385.00	11.83	322.90	4,129.47	988.15	-829.98	1,910,840.56	130,541.76	36.2451701	-107.5029173
4,448.00	10.80	321.43	4,191.24	997.91	-837.56	1,910,850.42	130,534.31	36.2451970	-107.5029430
4,511.00	10.33	319.70	4,253.17	1,006.83	-844.89	1,910,859.44	130,527.09	36.2452215	-107.5029679
4,574.00	9.31	322.87	4,315.25	1,015.21	-851.62	1,910,867.89	130,520.47	36.2452445	-107.5029907
4,637.00	7.33	318.80	4,377.58	1,022.29	-857.34	1,910,875.05	130,514.84	36.2452639	-107.5030101
4,700.00	5.99	318.44	4,440.16	1,027.78	-862.17	1,910,880.60	130,510.08	36.2452790	-107.5030265
4,763.00	4.70	315.53	4,502.88	1,032.08	-866.16	1,910,884.95	130,506.15	36.2452908	-107.5030400
4,826.00	3.08	324.31	4,565.74	1,035.30	-868.96	1,910,888.21	130,503.39	36.2452997	-107.5030495
4,889.00	2.32	332.23	4,628.67	1,037.80	-870.54	1,910,890.73	130,501.84	36.2453065	-107.5030548
4,952.00	1.24	325.77	4,691.63	1,039.49	-871.52	1,910,892.43	130,500.89	36.2453112	-107.5030582
5,015.00	0.72	291.39	4,754.63	1,040.20	-872.27	1,910,893.15	130,500.14	36.2453131	-107.5030607
5,046.00	0.48	265.17	4,785.62	1,040.26	-872.58	1,910,893.21	130,499.83	36.2453133	-107.5030618
Last SDI Surface MWD Survey									
5,078.00	0.62	259.70	4,817.62	1,040.22	-872.88	1,910,893.18	130,499.53	36.2453132	-107.5030628
First SDI Curve MWD Survey									
5,109.00	1.25	70.00	4,848.62	1,040.30	-872.73	1,910,893.26	130,499.68	36.2453134	-107.5030623
5,141.00	3.26	90.46	4,880.59	1,040.41	-871.49	1,910,893.36	130,500.92	36.2453137	-107.5030581
5,172.00	5.52	94.01	4,911.50	1,040.30	-869.12	1,910,893.21	130,503.29	36.2453134	-107.5030500
5,203.00	8.62	95.17	4,942.26	1,039.99	-865.32	1,910,892.85	130,507.09	36.2453125	-107.5030372
5,235.00	11.27	100.56	4,973.78	1,039.20	-859.86	1,910,891.99	130,512.54	36.2453104	-107.5030186
5,266.00	13.18	102.12	5,004.08	1,037.90	-853.42	1,910,890.61	130,518.96	36.2453068	-107.5029968
5,298.00	15.88	103.14	5,035.05	1,036.14	-845.59	1,910,888.75	130,526.76	36.2453020	-107.5029703
5,329.00	18.68	104.86	5,064.65	1,033.90	-836.66	1,910,886.40	130,535.67	36.2452958	-107.5029400
5,361.00	21.73	104.98	5,094.67	1,031.06	-825.98	1,910,883.41	130,546.31	36.2452880	-107.5029038
5,392.00	24.67	104.49	5,123.16	1,027.95	-814.17	1,910,880.16	130,558.07	36.2452795	-107.5028637
5,424.00	27.12	104.07	5,151.95	1,024.51	-800.63	1,910,876.54	130,571.57	36.2452700	-107.5028178
5,455.00	30.01	103.54	5,179.17	1,020.98	-786.24	1,910,872.82	130,585.92	36.2452603	-107.5027690
5,486.00	31.86	103.23	5,205.76	1,017.29	-770.74	1,910,868.93	130,601.37	36.2452502	-107.5027164
5,518.00	34.54	102.38	5,232.54	1,013.41	-753.65	1,910,864.83	130,618.41	36.2452395	-107.5026585
5,549.00	37.17	102.27	5,257.66	1,009.53	-735.91	1,910,860.73	130,636.09	36.2452289	-107.5025984
5,581.00	40.41	101.79	5,282.60	1,005.36	-716.31	1,910,856.30	130,655.64	36.2452174	-107.5025319
5,612.00	42.58	102.65	5,305.82	1,001.01	-696.24	1,910,851.69	130,675.66	36.2452055	-107.5024638
5,644.00	43.86	103.21	5,329.14	996.11	-674.88	1,910,846.51	130,696.95	36.2451920	-107.5023914
5,675.00	45.99	104.00	5,351.08	990.95	-653.60	1,910,841.09	130,718.15	36.2451779	-107.5023193
5,706.00	46.22	106.66	5,372.58	985.05	-632.06	1,910,834.91	130,739.62	36.2451617	-107.5022462
5,738.00	48.61	106.22	5,394.23	978.38	-609.47	1,910,827.95	130,762.13	36.2451433	-107.5021696
5,769.00	50.53	106.29	5,414.33	971.78	-586.81	1,910,821.05	130,784.69	36.2451252	-107.5020928
5,801.00	51.45	105.12	5,434.48	965.05	-562.88	1,910,814.01	130,808.54	36.2451067	-107.5020116
5,833.00	53.11	105.89	5,454.05	958.28	-538.49	1,910,806.93	130,832.84	36.2450881	-107.5019289
5,864.00	55.99	104.11	5,472.03	951.75	-514.10	1,910,800.09	130,857.14	36.2450702	-107.5018462
5,895.00	60.93	102.13	5,488.25	945.77	-488.37	1,910,793.78	130,882.79	36.2450538	-107.5017590
5,927.00	65.61	100.56	5,502.64	940.16	-460.36	1,910,787.80	130,910.73	36.2450384	-107.5016640
5,958.00	68.86	98.99	5,514.63	935.31	-432.19	1,910,782.59	130,938.83	36.2450250	-107.5015685
5,989.00	71.09	98.44	5,525.24	930.90	-403.41	1,910,777.81	130,967.56	36.2450129	-107.5014709
6,021.00	73.80	97.89	5,534.90	926.56	-373.21	1,910,773.09	130,997.69	36.2450010	-107.5013685
6,052.00	76.40	97.75	5,542.87	922.49	-343.53	1,910,768.63	131,027.32	36.2449898	-107.5012679



Survey Report - Geographic



Company: WPX Energy Rocky Mountain, LLC
Project: Rio Arriba County, NM NAD27
Site: Chaco 2306-08E
Well: NE Chaco Com #266H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NE Chaco Com #266H
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
6,084.00	78.70	97.54	5,549.76	918.33	-312.56	1,910,764.07	131,058.23	36.2449784	-107.5011629
6,116.00	81.69	99.39	5,555.21	913.69	-281.38	1,910,759.03	131,089.35	36.2449657	-107.5010571
6,147.00	83.39	100.04	5,559.24	908.50	-251.09	1,910,753.45	131,119.57	36.2449514	-107.5009544
6,178.00	83.80	99.74	5,562.70	903.21	-220.74	1,910,747.77	131,149.85	36.2449369	-107.5008515
6,208.60	85.20	99.84	5,565.63	898.03	-190.72	1,910,742.20	131,179.80	36.2449227	-107.5007497
Chaco #266H POE									
6,209.00	85.22	99.84	5,565.66	897.96	-190.33	1,910,742.13	131,180.19	36.2449225	-107.5007484
6,217.00	85.80	99.64	5,566.29	896.62	-182.47	1,910,740.68	131,188.03	36.2449188	-107.5007218
Last SDI Curve MWD Survey									
6,270.00	88.33	100.17	5,569.00	887.51	-130.33	1,910,730.90	131,240.05	36.2448938	-107.5005450
36.2448938, -107.5005449 - 7" Casing @ 6270' MD									
6,349.00	92.11	100.96	5,568.70	873.03	-52.69	1,910,715.42	131,317.50	36.2448540	-107.5002817
First SDI Lateral MWD Survey									
6,410.00	91.48	101.75	5,566.78	861.02	7.09	1,910,702.65	131,377.12	36.2448210	-107.5000790
6,471.00	90.03	101.67	5,565.98	848.65	66.81	1,910,689.50	131,436.67	36.2447870	-107.4998765
6,532.00	90.07	101.15	5,565.93	836.58	126.61	1,910,676.66	131,496.31	36.2447539	-107.4996737
6,593.00	90.07	101.13	5,565.85	824.79	186.46	1,910,664.10	131,556.00	36.2447215	-107.4994708
6,654.00	89.90	101.41	5,565.87	812.87	246.28	1,910,651.41	131,615.67	36.2446887	-107.4992680
6,715.00	90.50	102.19	5,565.66	800.40	305.99	1,910,638.17	131,675.21	36.2446545	-107.4990655
6,776.00	90.23	102.60	5,565.27	787.30	365.57	1,910,624.31	131,734.61	36.2446185	-107.4988635
6,837.00	89.93	103.03	5,565.18	773.77	425.05	1,910,610.01	131,793.91	36.2445813	-107.4986618
6,898.00	90.04	103.26	5,565.20	759.90	484.45	1,910,595.37	131,853.13	36.2445432	-107.4984604
6,959.00	90.34	104.36	5,565.00	745.34	543.69	1,910,580.05	131,912.17	36.2445032	-107.4982595
7,020.00	90.50	104.10	5,564.55	730.35	602.81	1,910,564.29	131,971.10	36.2444620	-107.4980591
7,081.00	90.77	103.87	5,563.87	715.61	662.00	1,910,548.79	132,030.09	36.2444216	-107.4978584
7,142.00	90.50	104.09	5,563.20	700.87	721.19	1,910,533.29	132,089.09	36.2443811	-107.4976577
7,201.00	90.20	103.43	5,562.84	686.84	778.50	1,910,518.52	132,146.21	36.2443425	-107.4974634
7,262.00	90.40	102.12	5,562.52	673.35	837.98	1,910,504.27	132,205.52	36.2443055	-107.4972617
7,324.00	90.47	102.67	5,562.05	660.04	898.54	1,910,490.18	132,265.89	36.2442689	-107.4970563
7,385.00	88.90	101.15	5,562.38	647.45	958.22	1,910,476.82	132,325.41	36.2442343	-107.4968540
7,447.00	90.64	104.05	5,562.63	633.93	1,018.72	1,910,462.52	132,385.73	36.2441972	-107.4966488
7,507.00	90.67	104.25	5,561.94	619.26	1,076.89	1,910,447.10	132,443.71	36.2441569	-107.4964516
7,568.00	90.66	104.22	5,561.24	604.26	1,136.01	1,910,431.34	132,502.63	36.2441157	-107.4962511
7,629.00	90.47	103.73	5,560.64	589.53	1,195.21	1,910,415.85	132,561.63	36.2440752	-107.4960504
7,690.00	90.50	103.45	5,560.12	575.20	1,254.50	1,910,400.75	132,620.73	36.2440358	-107.4958494
7,750.00	90.70	103.11	5,559.49	561.42	1,312.89	1,910,386.22	132,678.94	36.2439980	-107.4956514
7,812.00	91.17	104.40	5,558.48	546.68	1,373.10	1,910,370.71	132,738.95	36.2439575	-107.4954472
7,873.00	90.04	104.05	5,557.83	531.69	1,432.23	1,910,354.96	132,797.88	36.2439163	-107.4952468
7,934.00	90.13	103.96	5,557.74	516.93	1,491.41	1,910,339.43	132,856.87	36.2438757	-107.4950461
7,994.00	90.84	104.05	5,557.24	502.41	1,549.63	1,910,324.16	132,914.89	36.2438359	-107.4948487
8,057.00	90.66	104.14	5,556.41	487.07	1,610.72	1,910,308.03	132,975.79	36.2437937	-107.4946415
8,120.00	90.48	104.49	5,555.78	471.49	1,671.77	1,910,291.67	133,036.62	36.2437509	-107.4944346
8,183.00	90.71	105.88	5,555.13	454.99	1,732.56	1,910,274.39	133,097.20	36.2437056	-107.4942284
8,246.00	90.44	104.81	5,554.50	438.32	1,793.31	1,910,256.94	133,157.73	36.2436598	-107.4940224
8,309.00	90.04	102.64	5,554.23	423.37	1,854.51	1,910,241.20	133,218.73	36.2436187	-107.4938149
8,371.00	90.60	102.82	5,553.89	409.71	1,914.98	1,910,226.76	133,279.02	36.2435812	-107.4936099
8,434.00	90.30	101.43	5,553.39	396.48	1,976.57	1,910,212.73	133,340.44	36.2435448	-107.4934011
8,497.00	90.23	100.21	5,553.10	384.65	2,038.45	1,910,200.11	133,402.16	36.2435123	-107.4931912
8,560.00	90.97	100.28	5,552.44	373.45	2,100.44	1,910,188.11	133,464.00	36.2434815	-107.4929811
8,623.00	90.81	100.51	5,551.46	362.08	2,162.40	1,910,175.94	133,525.81	36.2434503	-107.4927710
8,686.00	90.64	100.69	5,550.67	350.50	2,224.32	1,910,163.56	133,587.57	36.2434185	-107.4925610
8,749.00	90.00	100.98	5,550.31	338.65	2,286.20	1,910,150.92	133,649.29	36.2433859	-107.4923512
8,812.00	90.13	100.34	5,550.24	327.00	2,348.11	1,910,138.47	133,711.05	36.2433539	-107.4921413
8,874.00	91.10	100.80	5,549.58	315.63	2,409.05	1,910,126.31	133,771.84	36.2433226	-107.4919347

Company:	WPX Energy Rocky Mountain, LLC	Local Co-ordinate Reference:	Well NE Chaco Com #266H
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 #266H	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
8,937.00	90.47	101.08	5,548.71	303.67	2,470.90	1,910,113.56	133,833.53	36.2432898	-107.4917250
9,000.00	90.07	101.41	5,548.42	291.39	2,532.69	1,910,100.48	133,895.15	36.2432560	-107.4915155
9,063.00	90.10	100.51	5,548.32	279.41	2,594.54	1,910,087.70	133,956.84	36.2432231	-107.4913057
9,126.00	90.94	101.26	5,547.75	267.51	2,656.41	1,910,075.01	134,018.55	36.2431904	-107.4910960
9,189.00	90.77	100.93	5,546.81	255.39	2,718.22	1,910,062.09	134,080.20	36.2431571	-107.4908864
9,251.00	90.75	100.97	5,545.99	243.61	2,779.09	1,910,049.53	134,140.91	36.2431248	-107.4906800
9,314.00	90.44	103.04	5,545.34	230.51	2,840.70	1,910,035.63	134,202.35	36.2430887	-107.4904711
9,377.00	90.48	102.99	5,544.83	216.33	2,902.08	1,910,020.65	134,263.54	36.2430498	-107.4902630
9,440.00	90.13	102.20	5,544.49	202.59	2,963.56	1,910,006.13	134,324.84	36.2430120	-107.4900545
9,503.00	90.10	103.31	5,544.37	188.68	3,025.01	1,909,991.42	134,386.10	36.2429738	-107.4898462
9,566.00	90.57	102.20	5,544.00	174.77	3,086.45	1,909,976.72	134,447.36	36.2429356	-107.4896379
9,629.00	90.23	101.73	5,543.56	161.71	3,148.08	1,909,962.87	134,508.82	36.2428997	-107.4894289
9,691.00	90.87	102.21	5,542.96	148.85	3,208.73	1,909,949.23	134,569.29	36.2428643	-107.4892233
9,754.00	90.04	101.24	5,542.46	136.05	3,270.41	1,909,935.63	134,630.81	36.2428292	-107.4890141
9,817.00	90.04	100.71	5,542.42	124.06	3,332.26	1,909,922.84	134,692.49	36.2427962	-107.4888044
9,880.00	91.11	101.65	5,541.79	111.84	3,394.06	1,909,909.83	134,754.13	36.2427626	-107.4885949
9,943.00	89.25	100.88	5,541.59	99.54	3,455.84	1,909,896.73	134,815.75	36.2427288	-107.4883854
10,006.00	90.75	102.73	5,541.59	86.65	3,517.50	1,909,883.05	134,877.24	36.2426934	-107.4881763
10,068.00	91.98	102.29	5,540.11	73.22	3,578.01	1,909,868.84	134,937.57	36.2426565	-107.4879712
10,131.00	92.62	102.94	5,537.58	59.47	3,639.44	1,909,854.30	134,998.82	36.2426187	-107.4877629
10,194.00	93.12	104.19	5,534.43	44.72	3,700.61	1,909,838.76	135,059.79	36.2425781	-107.4875555
10,257.00	93.03	104.14	5,531.05	29.32	3,761.60	1,909,822.58	135,120.58	36.2425358	-107.4873487
10,320.00	92.33	104.93	5,528.11	13.53	3,822.52	1,909,806.00	135,181.29	36.2424924	-107.4871422
10,383.00	92.86	104.58	5,525.25	-2.50	3,883.38	1,909,789.19	135,241.94	36.2424484	-107.4869358
10,446.00	92.86	103.26	5,522.11	-17.64	3,944.45	1,909,773.26	135,302.81	36.2424068	-107.4867287
10,508.00	92.77	102.73	5,519.06	-31.56	4,004.79	1,909,758.56	135,362.96	36.2423685	-107.4865242
10,571.00	93.83	102.55	5,515.44	-45.33	4,066.16	1,909,744.01	135,424.15	36.2423307	-107.4863161
10,634.00	94.00	103.87	5,511.14	-59.69	4,127.35	1,909,728.86	135,485.15	36.2422912	-107.4861086
10,697.00	93.97	104.32	5,506.76	-74.99	4,188.31	1,909,712.77	135,545.90	36.2422491	-107.4859019
10,760.00	93.08	103.22	5,502.88	-89.96	4,249.38	1,909,697.01	135,606.77	36.2422080	-107.4856949
10,823.00	91.81	103.51	5,500.20	-104.51	4,310.61	1,909,681.68	135,667.82	36.2421680	-107.4854872
10,887.00	89.78	102.20	5,499.31	-118.75	4,373.00	1,909,666.64	135,730.01	36.2421289	-107.4852757
10,950.00	89.78	100.62	5,499.55	-131.21	4,434.75	1,909,653.38	135,791.60	36.2420946	-107.4850664
11,013.00	91.01	101.71	5,499.12	-143.41	4,496.56	1,909,640.38	135,853.24	36.2420611	-107.4848568
11,075.00	91.71	100.97	5,497.64	-155.59	4,557.33	1,909,627.41	135,913.85	36.2420276	-107.4846508
11,139.00	90.60	102.02	5,496.35	-168.35	4,620.03	1,909,613.85	135,976.38	36.2419925	-107.4844382
11,184.00	90.75	102.11	5,495.82	-177.75	4,664.03	1,909,603.88	136,020.26	36.2419667	-107.4842890
36.2419667, -107.4842889 - Base Perf @ 11,184' MD									
11,201.00	90.81	102.14	5,495.59	-181.32	4,680.65	1,909,600.10	136,036.83	36.2419569	-107.4842326
11,222.00	91.07	102.03	5,495.25	-185.72	4,701.18	1,909,595.44	136,057.31	36.2419448	-107.4841630
Last SDI Lateral MWD Survey									
11,285.00	91.07	102.03	5,494.07	-198.84	4,762.79	1,909,581.52	136,118.74	36.2419087	-107.4839541
Projection to TD - Chaco #266H PBHL									

Company: WPX Energy Rocky Mountain, LLC
Project: Rio Arriba County, NM NAD27
Site: Chaco 2306-08E
Well: NE Chaco Com #266H
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NE Chaco Com #266H
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

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
498.00	497.99	-2.71	-1.44	First SDI Surface MWD Survey
5,046.00	4,785.62	1,040.26	-872.58	Last SDI Surface MWD Survey
5,078.00	4,817.62	1,040.22	-872.88	First SDI Curve MWD Survey
6,217.00	5,566.29	896.62	-182.47	Last SDI Curve MWD Survey
6,270.00	5,569.00	887.51	-130.33	36.2448938, -107.5005449
6,270.00	5,569.00	887.51	-130.33	7" Casing @ 6270' MD
6,349.00	5,568.70	873.03	-52.69	First SDI Lateral MWD Survey
11,184.00	5,495.82	-177.75	4,664.03	36.2419667, -107.4842889
11,184.00	5,495.82	-177.75	4,664.03	Base Perf @ 11,184' MD
11,222.00	5,495.25	-185.72	4,701.18	Last SDI Lateral MWD Survey
11,285.00	5,494.07	-198.84	4,762.79	Projection to TD

Checked By: _____ Approved By: _____ Date: _____