

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 30-039-31205	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 244H
⁷ GRID No. 120782	⁸ Operator Name WPX ENERGY PRODUCTION, LLC	⁹ Elevation 6858'

¹⁰Surface Location

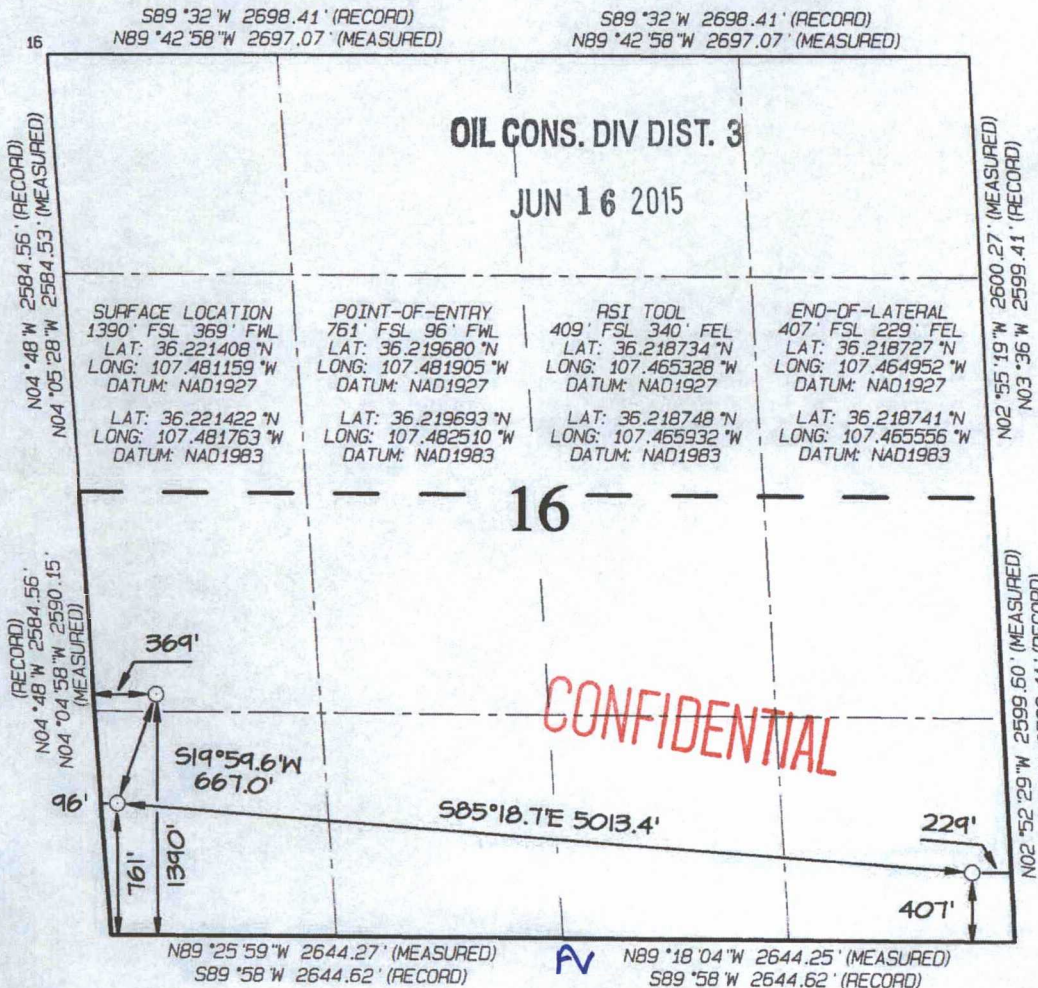
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	16	23N	6W		1390	SOUTH	369	WEST	RIO ARriba

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	16	23N	6W		407	SOUTH	229	EAST	RIO ARriba

¹² Dedicated Acres 320.0 Acres - S/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13817-A
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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.

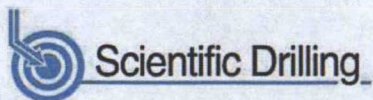
Date Revised: MAY 18, 2015
Survey Date: SEPTEMBER 4, 2013

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269



Company Name: WPX Energy
 Project: T23N R6W (NM Central)
 Site: Chaco 2306-16L
 Well: NE Chaco Com #244H



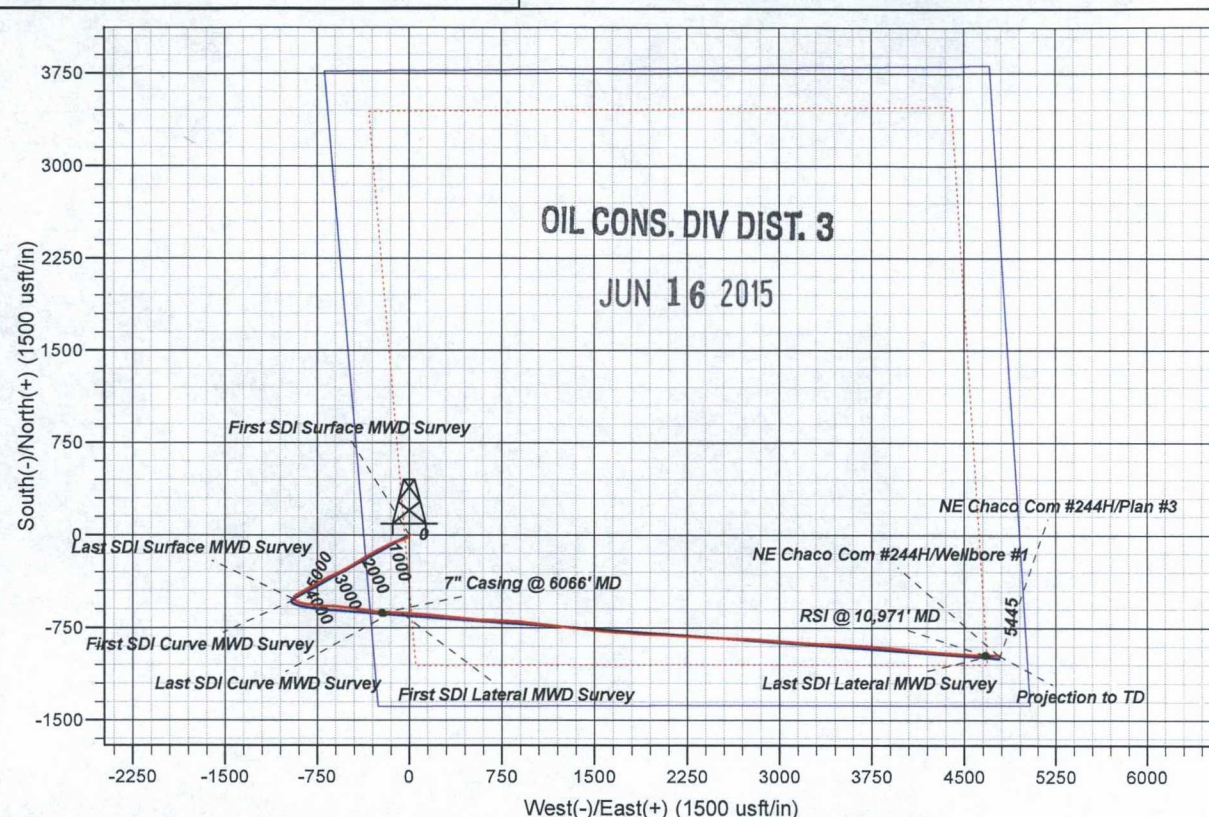
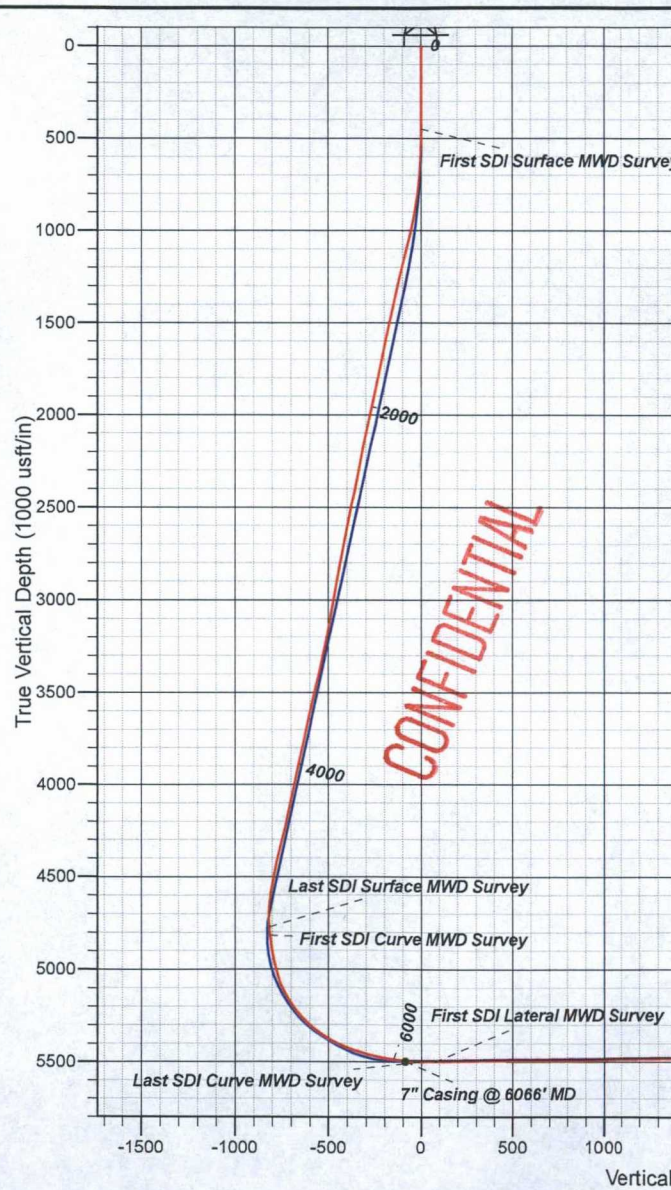
Azimuths to True North
 Magnetic North: 9,05°

Magnetic Field
 Strength: 49813.8snT
 Dip Angle: 62.93°
 Date: 5/1/2015
 Model: HDGM

WELL DETAILS: NE Chaco Com #244H

		KB @ 6886.00usft (Aztec 1000)		6861.00	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1902108.11	136848.22	36.2214080	-107.4811590

A4



NE Chaco Com #244H/Wellbore #1
 NE Chaco Com #244H/Plan #3
 Last SDI Lateral MWD Survey
 Projection to TD
 RSI @ 10,971' MD
 11082

Design: Wellbore #1 (NE Chaco Com #244H/Wellbore #1)

Created By: Janie Collins Date: 15:09, May 26 2015

PROJECT DETAILS: T23N R6W (NM Central)

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	Local Co-ordinate Reference:	Well NE Chaco Com #244H - Slot A4
Project:	T23N R6W (NM Central)	TVD Reference:	KB @ 6886.00usft (Aztec 1000)
Site:	Chaco 2306-16L	MD Reference:	KB @ 6886.00usft (Aztec 1000)
Well:	NE Chaco Com #244H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Project	T23N R6W (NM Central)		
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		Using geodetic scale factor

Site	Chaco 2306-16L				
Site Position:		Northing:	1,902,127.16 usft	Latitude:	36.2214600
From:	Lat/Long	Easting:	136,839.32 usft	Longitude:	-107.4811900
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	-0.73 °

Well	NE Chaco Com #244H - Slot A4					
Well Position	+N/-S	0.00 usft	Northing:	1,902,108.11 usft	Latitude:	36.2214080
	+E/-W	0.00 usft	Easting:	136,848.22 usft	Longitude:	-107.4811590
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,861.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	5/1/2015	9.05	62.93	49,814

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	101.83	

Survey Program	Date	5/18/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
25.00	292.00	Survey #1 (Wellbore #1)	GYRO-NS	Gyrocompass Gyro	
450.00	4,915.00	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD	SDI MWD - Standard ver 1.0.1	
4,960.00	6,138.00	Survey #3 - Curve MWD Survey (Wellbore	SDI MWD	SDI MWD - Standard ver 1.0.1	
6,229.00	11,082.00	Survey #4 - Lateral MWD Survey (Wellbor	SDI MWD	SDI MWD - Standard ver 1.0.1	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	1,902,108.11	136,848.22	36.2214080	-107.4811590
25.00	0.00	0.00	25.00	0.00	0.00	1,902,108.11	136,848.22	36.2214080	-107.4811590
55.00	0.36	114.25	55.00	-0.04	0.09	1,902,108.07	136,848.31	36.2214079	-107.4811588
85.00	0.33	112.64	85.00	-0.11	0.25	1,902,108.00	136,848.47	36.2214077	-107.4811582
115.00	0.32	121.72	115.00	-0.19	0.40	1,902,107.92	136,848.62	36.2214075	-107.4811577
145.00	0.14	85.20	145.00	-0.23	0.51	1,902,107.88	136,848.73	36.2214074	-107.4811573
175.00	0.17	132.22	175.00	-0.26	0.58	1,902,107.85	136,848.80	36.2214073	-107.4811571
205.00	0.26	164.39	205.00	-0.35	0.63	1,902,107.75	136,848.85	36.2214070	-107.4811569
235.00	0.48	147.66	235.00	-0.52	0.72	1,902,107.58	136,848.93	36.2214065	-107.4811566

CONFIDENTIAL



Survey Report - Geographic



Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #244H - Slot A4
Project:	T23N R6W (NM Central)	TVD Reference:	KB @ 6886.00usft (Aztec 1000)
Site:	Chaco 2306-16L	MD Reference:	KB @ 6886.00usft (Aztec 1000)
Well:	NE Chaco Com #244H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
265.00	0.63	150.37	265.00	-0.77	0.87	1,902,107.33	136,849.08	36.2214059	-107.4811561
292.00	0.71	159.73	291.99	-1.06	1.00	1,902,107.04	136,849.21	36.2214051	-107.4811557
450.00	1.01	154.40	449.98	-3.23	1.94	1,902,104.86	136,850.12	36.2213991	-107.4811525
First SDI Surface MWD Survey									
541.00	3.81	216.97	540.90	-6.37	0.47	1,902,101.73	136,848.61	36.2213905	-107.4811575
633.00	6.20	226.82	632.54	-12.21	-5.00	1,902,095.96	136,843.07	36.2213744	-107.4811760
724.00	8.10	232.28	722.83	-19.50	-13.65	1,902,088.79	136,834.32	36.2213544	-107.4812053
815.00	10.91	236.86	812.57	-28.13	-25.94	1,902,080.31	136,821.93	36.2213307	-107.4812470
906.00	12.42	249.46	901.71	-36.28	-42.31	1,902,072.38	136,805.45	36.2213083	-107.4813025
998.00	13.53	252.18	991.36	-43.04	-61.83	1,902,065.86	136,785.85	36.2212898	-107.4813686
1,089.00	16.34	254.49	1,079.27	-49.72	-84.30	1,902,059.46	136,763.29	36.2212714	-107.4814448
1,180.00	16.00	252.38	1,166.67	-56.94	-108.59	1,902,052.55	136,738.92	36.2212516	-107.4815271
1,272.00	16.23	248.82	1,255.06	-65.43	-132.66	1,902,044.37	136,714.74	36.2212283	-107.4816088
1,363.00	15.27	246.89	1,342.64	-74.72	-155.54	1,902,035.37	136,691.74	36.2212027	-107.4816863
1,454.00	15.30	244.10	1,430.43	-84.67	-177.36	1,902,025.70	136,669.79	36.2211754	-107.4817603
1,545.00	15.64	243.95	1,518.13	-95.30	-199.18	1,902,015.34	136,647.83	36.2211462	-107.4818343
1,636.00	15.46	242.82	1,605.80	-106.23	-220.99	1,902,004.69	136,625.89	36.2211162	-107.4819082
1,727.00	15.14	242.35	1,693.57	-117.29	-242.31	1,901,993.91	136,604.43	36.2210858	-107.4819805
1,818.00	15.22	240.43	1,781.40	-128.69	-263.23	1,901,982.76	136,583.37	36.2210545	-107.4820514
1,909.00	14.65	239.71	1,869.32	-140.39	-283.55	1,901,971.32	136,562.90	36.2210223	-107.4821203
2,000.00	15.39	240.58	1,957.22	-152.13	-304.01	1,901,959.85	136,542.29	36.2209901	-107.4821896
2,090.00	17.11	242.21	2,043.62	-164.17	-326.12	1,901,948.09	136,520.03	36.2209570	-107.4822646
2,181.00	16.50	240.41	2,130.73	-176.79	-349.20	1,901,935.76	136,496.79	36.2209223	-107.4823428
2,273.00	15.27	235.77	2,219.22	-190.06	-370.58	1,901,922.77	136,475.24	36.2208859	-107.4824153
2,364.00	14.53	239.34	2,307.16	-202.62	-390.31	1,901,910.45	136,455.35	36.2208514	-107.4824822
2,456.00	14.67	237.49	2,396.19	-214.77	-410.06	1,901,898.56	136,435.45	36.2208180	-107.4825491
2,545.00	16.18	240.73	2,481.98	-226.89	-430.36	1,901,886.70	136,414.97	36.2207847	-107.4826180
2,636.00	14.99	235.69	2,569.64	-239.72	-451.17	1,901,874.13	136,394.03	36.2207495	-107.4826885
2,727.00	14.79	239.71	2,657.59	-252.21	-470.92	1,901,861.89	136,374.12	36.2207152	-107.4827554
2,818.00	14.33	242.75	2,745.67	-263.23	-490.96	1,901,851.13	136,353.94	36.2206849	-107.4828234
2,909.00	13.60	242.36	2,833.98	-273.35	-510.45	1,901,841.25	136,334.32	36.2206571	-107.4828894
3,001.00	12.78	241.47	2,923.55	-283.23	-528.97	1,901,831.61	136,315.67	36.2206300	-107.4829522
3,092.00	13.04	241.09	3,012.25	-293.00	-546.80	1,901,822.07	136,297.72	36.2206031	-107.4830126
3,183.00	12.46	243.55	3,101.00	-302.33	-564.58	1,901,812.96	136,279.82	36.2205775	-107.4830729
3,274.00	13.10	246.98	3,189.75	-310.74	-582.86	1,901,804.78	136,261.44	36.2205544	-107.4831349
3,365.00	13.89	246.51	3,278.24	-319.13	-602.37	1,901,796.65	136,241.82	36.2205314	-107.4832010
3,456.00	15.61	246.56	3,366.24	-328.35	-623.62	1,901,787.69	136,220.45	36.2205060	-107.4832731
3,548.00	16.94	245.06	3,454.55	-338.93	-647.13	1,901,777.41	136,196.81	36.2204770	-107.4833528
3,639.00	16.43	242.92	3,541.72	-350.38	-670.61	1,901,766.26	136,173.18	36.2204455	-107.4834323
3,730.00	15.21	242.66	3,629.27	-361.72	-692.67	1,901,755.20	136,150.98	36.2204144	-107.4835071
3,821.00	16.29	241.44	3,716.85	-373.30	-714.49	1,901,743.90	136,129.02	36.2203825	-107.4835811
3,913.00	15.85	239.00	3,805.26	-385.94	-736.59	1,901,731.54	136,106.75	36.2203478	-107.4836560
4,004.00	16.48	240.43	3,892.66	-398.71	-758.47	1,901,719.05	136,084.71	36.2203127	-107.4837302
4,095.00	15.72	240.80	3,980.09	-411.09	-780.46	1,901,706.94	136,062.57	36.2202787	-107.4838047
4,186.00	15.75	234.63	4,067.68	-424.26	-801.29	1,901,694.04	136,041.57	36.2202425	-107.4838753
4,277.00	15.39	241.26	4,155.35	-437.22	-821.95	1,901,681.35	136,020.74	36.2202070	-107.4839454
4,368.00	16.86	240.80	4,242.77	-449.46	-844.06	1,901,669.38	135,998.48	36.2201733	-107.4840203
4,459.00	17.92	242.88	4,329.61	-462.28	-868.04	1,901,656.87	135,974.34	36.2201381	-107.4841016
4,550.00	16.41	241.94	4,416.55	-474.71	-891.85	1,901,644.74	135,950.38	36.2201040	-107.4841823
4,641.00	14.33	239.34	4,504.30	-486.50	-912.88	1,901,633.22	135,929.19	36.2200716	-107.4842536
4,732.00	11.32	237.28	4,593.02	-497.07	-930.08	1,901,622.87	135,911.85	36.2200425	-107.4843119
4,778.00	10.02	232.20	4,638.22	-501.97	-937.04	1,901,618.06	135,904.83	36.2200291	-107.4843355
4,823.00	8.59	208.73	4,682.64	-507.32	-941.76	1,901,612.77	135,900.05	36.2200144	-107.4843515
4,869.00	8.62	183.43	4,728.14	-513.77	-943.61	1,901,606.34	135,898.11	36.2199967	-107.4843578

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #244H - Slot A4
Project:	T23N R6W (NM Central)	TVD Reference:	KB @ 6886.00usft (Aztec 1000)
Site:	Chaco 2306-16L	MD Reference:	KB @ 6886.00usft (Aztec 1000)
Well:	NE Chaco Com #244H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,915.00	8.27	167.74	4,773.65	-520.45	-943.12	1,901,599.66	135,898.52	36.2199783	-107.4843561
Last SDI Surface MWD Survey									
4,960.00	8.44	143.26	4,818.19	-526.26	-940.45	1,901,593.81	135,901.11	36.2199624	-107.4843471
First SDI Curve MWD Survey									
5,006.00	8.66	131.23	4,863.68	-531.25	-935.83	1,901,588.77	135,905.67	36.2199487	-107.4843314
5,051.00	10.29	125.51	4,908.06	-535.81	-930.01	1,901,584.13	135,911.44	36.2199361	-107.4843117
5,097.00	12.05	121.45	4,953.19	-540.70	-922.57	1,901,579.14	135,918.82	36.2199227	-107.4842864
5,143.00	13.84	115.82	4,998.02	-545.61	-913.52	1,901,574.12	135,927.80	36.2199092	-107.4842558
5,188.00	18.02	110.61	5,041.29	-550.40	-902.15	1,901,569.18	135,939.11	36.2198960	-107.4842172
5,234.00	22.31	104.27	5,084.46	-555.06	-887.02	1,901,564.33	135,954.18	36.2198832	-107.4841659
5,280.00	27.22	99.52	5,126.22	-558.96	-868.17	1,901,560.20	135,972.98	36.2198725	-107.4841020
5,325.00	31.40	97.11	5,165.45	-562.11	-846.38	1,901,556.77	135,994.73	36.2198639	-107.4840282
5,371.00	34.83	95.35	5,203.98	-564.82	-821.40	1,901,553.74	136,019.67	36.2198564	-107.4839435
5,416.00	39.39	95.27	5,239.86	-567.33	-794.37	1,901,550.89	136,046.67	36.2198495	-107.4838519
5,462.00	44.34	95.76	5,274.10	-570.29	-763.83	1,901,547.54	136,077.18	36.2198414	-107.4837483
5,507.00	49.09	97.20	5,304.95	-574.00	-731.29	1,901,543.42	136,109.66	36.2198312	-107.4836380
5,552.00	51.68	94.90	5,333.64	-577.64	-696.82	1,901,539.34	136,144.08	36.2198212	-107.4835212
5,598.00	57.37	91.34	5,360.33	-579.64	-659.44	1,901,536.87	136,181.44	36.2198157	-107.4833945
5,643.00	61.42	91.62	5,383.24	-580.64	-620.73	1,901,535.37	136,220.14	36.2198130	-107.4832632
5,689.00	62.59	95.49	5,404.83	-583.16	-580.20	1,901,532.33	136,260.63	36.2198061	-107.4831259
5,734.00	68.29	96.83	5,423.53	-587.56	-539.53	1,901,527.42	136,301.25	36.2197940	-107.4829880
5,780.00	71.08	98.29	5,439.50	-593.24	-496.77	1,901,521.19	136,343.93	36.2197784	-107.4828430
5,825.00	71.88	98.11	5,453.79	-599.33	-454.54	1,901,514.57	136,386.08	36.2197617	-107.4826999
5,871.00	75.62	98.79	5,466.66	-605.82	-410.87	1,901,507.53	136,429.68	36.2197438	-107.4825518
5,917.00	79.66	98.62	5,476.51	-612.62	-366.46	1,901,500.17	136,473.99	36.2197252	-107.4824013
5,962.00	81.20	98.36	5,483.99	-619.17	-322.57	1,901,493.06	136,517.80	36.2197072	-107.4822525
6,008.00	81.30	95.72	5,490.99	-624.74	-277.46	1,901,486.91	136,562.84	36.2196919	-107.4820996
6,018.00	81.87	95.27	5,492.45	-625.69	-267.61	1,901,485.84	136,572.68	36.2196893	-107.4820662
6,066.00	85.23	93.32	5,497.84	-629.26	-220.06	1,901,481.67	136,620.18	36.2196795	-107.4819050
7" Casing @ 6066' MD - 36.2196795, -107.4819050									
6,107.00	88.11	91.67	5,500.22	-631.04	-179.17	1,901,479.37	136,661.05	36.2196746	-107.4817664
6,138.00	88.53	91.45	5,501.13	-631.88	-148.19	1,901,478.13	136,692.01	36.2196722	-107.4816614
Last SDI Curve MWD Survey									
6,229.00	90.54	92.89	5,501.87	-635.33	-57.27	1,901,473.53	136,782.89	36.2196628	-107.4813532
First SDI Lateral MWD Survey									
6,320.00	90.57	94.23	5,500.99	-640.98	33.55	1,901,466.73	136,873.63	36.2196473	-107.4810453
6,411.00	91.20	94.10	5,499.58	-647.59	124.30	1,901,458.97	136,964.29	36.2196291	-107.4807377
6,502.00	90.57	95.18	5,498.18	-654.95	214.99	1,901,450.46	137,054.89	36.2196089	-107.4804303
6,593.00	90.60	95.24	5,497.25	-663.21	305.61	1,901,441.04	137,145.40	36.2195862	-107.4801231
6,683.00	90.77	96.19	5,496.17	-672.17	395.15	1,901,430.94	137,234.83	36.2195616	-107.4798195
6,774.00	90.53	96.84	5,495.14	-682.50	485.56	1,901,419.47	137,325.10	36.2195332	-107.4795131
6,866.00	89.52	93.34	5,495.10	-690.66	577.18	1,901,410.15	137,416.61	36.2195108	-107.4792025
6,957.00	89.90	92.49	5,495.56	-695.28	668.06	1,901,404.37	137,507.43	36.2194981	-107.4788944
7,047.00	90.40	91.11	5,495.33	-698.11	758.01	1,901,400.40	137,597.35	36.2194903	-107.4785895
7,138.00	92.27	94.14	5,493.21	-702.28	848.88	1,901,395.08	137,688.16	36.2194788	-107.4782815
7,229.00	91.64	96.15	5,490.10	-710.43	939.45	1,901,385.77	137,778.63	36.2194564	-107.4779744
7,320.00	90.92	96.15	5,488.07	-720.18	1,029.91	1,901,374.88	137,868.95	36.2194296	-107.4776678
7,411.00	90.90	97.10	5,486.62	-730.68	1,120.29	1,901,363.23	137,959.20	36.2194008	-107.4773614
7,502.00	90.57	96.59	5,485.46	-741.52	1,210.63	1,901,351.24	138,049.40	36.2193710	-107.4770552
7,594.00	90.47	96.92	5,484.62	-752.34	1,301.99	1,901,339.26	138,140.62	36.2193413	-107.4767455
7,685.00	90.84	96.76	5,483.58	-763.18	1,392.33	1,901,327.27	138,230.82	36.2193115	-107.4764392
7,776.00	89.96	95.62	5,482.94	-772.99	1,482.80	1,901,316.31	138,321.16	36.2192845	-107.4761326
7,867.00	89.97	95.16	5,483.00	-781.54	1,573.39	1,901,306.62	138,411.65	36.2192610	-107.4758255
7,958.00	90.13	94.32	5,482.92	-789.06	1,664.08	1,901,297.95	138,502.24	36.2192404	-107.4755180

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #244H - Slot A4
Project:	T23N R6W (NM Central)	TVD Reference:	KB @ 6886.00usft (Aztec 1000)
Site:	Chaco 2306-16L	MD Reference:	KB @ 6886.00usft (Aztec 1000)
Well:	NE Chaco Com #244H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,049.00	90.10	94.84	5,482.74	-796.32	1,754.79	1,901,289.53	138,592.85	36.2192204	-107.4752106
8,141.00	89.96	93.86	5,482.69	-803.30	1,846.53	1,901,281.38	138,684.49	36.2192012	-107.4748996
8,232.00	89.69	91.93	5,482.97	-807.90	1,937.40	1,901,275.63	138,775.31	36.2191886	-107.4745915
8,323.00	90.34	92.37	5,482.94	-811.31	2,028.34	1,901,271.07	138,866.20	36.2191792	-107.4742833
8,414.00	90.17	92.92	5,482.54	-815.51	2,119.24	1,901,265.71	138,957.04	36.2191676	-107.4739751
8,505.00	90.50	92.62	5,482.01	-819.91	2,210.13	1,901,260.16	139,047.88	36.2191555	-107.4736670
8,597.00	90.64	93.44	5,481.09	-824.77	2,302.00	1,901,254.13	139,139.68	36.2191421	-107.4733556
8,688.00	90.07	93.74	5,480.53	-830.47	2,392.82	1,901,247.28	139,230.42	36.2191265	-107.4730477
8,779.00	90.13	93.46	5,480.37	-836.18	2,483.64	1,901,240.41	139,321.17	36.2191107	-107.4727399
8,870.00	89.43	91.76	5,480.72	-840.33	2,574.54	1,901,235.11	139,412.01	36.2190993	-107.4724317
8,961.00	90.20	92.00	5,481.01	-843.31	2,665.49	1,901,230.97	139,502.92	36.2190911	-107.4721234
9,052.00	90.74	92.02	5,480.27	-846.50	2,756.43	1,901,226.63	139,593.82	36.2190823	-107.4718152
9,143.00	91.48	93.39	5,478.50	-850.80	2,847.31	1,901,221.18	139,684.64	36.2190705	-107.4715071
9,234.00	90.77	94.94	5,476.72	-857.41	2,938.05	1,901,213.42	139,775.29	36.2190523	-107.4711995
9,325.00	90.81	94.91	5,475.46	-865.22	3,028.70	1,901,204.46	139,865.85	36.2190308	-107.4708922
9,416.00	90.40	93.77	5,474.50	-872.10	3,119.44	1,901,196.42	139,956.49	36.2190119	-107.4705846
9,507.00	91.34	93.06	5,473.12	-877.52	3,210.26	1,901,189.85	140,047.25	36.2189970	-107.4702768
9,598.00	89.76	93.17	5,472.25	-882.47	3,301.12	1,901,183.75	140,138.04	36.2189834	-107.4699688
9,689.00	90.74	92.60	5,471.85	-887.05	3,392.00	1,901,178.01	140,228.86	36.2189708	-107.4696607
9,780.00	89.69	90.61	5,471.51	-889.60	3,482.96	1,901,174.31	140,319.78	36.2189637	-107.4693524
9,871.00	91.18	93.22	5,470.82	-892.64	3,573.90	1,901,170.12	140,410.68	36.2189553	-107.4690441
9,962.00	92.06	95.39	5,468.24	-899.46	3,664.60	1,901,162.14	140,501.29	36.2189366	-107.4687366
10,053.00	92.85	94.04	5,464.34	-906.94	3,755.20	1,901,153.51	140,591.80	36.2189160	-107.4684295
10,145.00	93.65	94.92	5,459.13	-914.11	3,846.77	1,901,145.18	140,683.27	36.2188963	-107.4681191
10,236.00	91.92	95.67	5,454.71	-922.50	3,937.27	1,901,135.64	140,773.66	36.2188732	-107.4678123
10,327.00	91.91	95.53	5,451.67	-931.37	4,027.79	1,901,125.61	140,864.06	36.2188488	-107.4675055
10,418.00	90.47	95.06	5,449.78	-939.77	4,118.38	1,901,116.07	140,954.54	36.2188257	-107.4671984
10,509.00	90.23	94.58	5,449.22	-947.42	4,209.05	1,901,107.27	141,045.12	36.2188046	-107.4668910
10,600.00	91.44	94.67	5,447.89	-954.75	4,299.75	1,901,098.78	141,135.72	36.2187844	-107.4665836
10,692.00	91.34	93.90	5,445.66	-961.62	4,391.46	1,901,090.75	141,227.34	36.2187655	-107.4662727
10,783.00	91.38	93.46	5,443.50	-967.46	4,482.25	1,901,083.75	141,318.05	36.2187494	-107.4659650
10,873.00	88.76	91.20	5,443.39	-971.12	4,572.16	1,901,078.95	141,407.91	36.2187394	-107.4656602
10,965.00	88.76	91.11	5,445.38	-972.98	4,664.12	1,901,075.93	141,499.85	36.2187342	-107.4653484
10,971.00	88.96	91.12	5,445.50	-973.09	4,670.12	1,901,075.74	141,505.84	36.2187339	-107.4653281
36.2187339, -107.4653281 - RSI @ 10,971' MD									
11,027.00	90.84	91.25	5,445.60	-974.25	4,726.10	1,901,073.87	141,561.81	36.2187307	-107.4651383
Last SDI Lateral MWD Survey									
11,082.00	90.84	91.25	5,444.79	-975.45	4,781.08	1,901,071.97	141,616.78	36.2187274	-107.4649520

Company:	WPX Energy	Local Co-ordinate Reference:	Well NE Chaco Com #244H - Slot A4
Project:	T23N R6W (NM Central)	TVD Reference:	KB @ 6886.00usft (Aztec 1000)
Site:	Chaco 2306-16L	MD Reference:	KB @ 6886.00usft (Aztec 1000)
Well:	NE Chaco Com #244H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Chaco #244H Start 60 t	0.00	0.00	5,381.75	-609.38	-641.74	1,901,506.90	136,198.76	36.2197340	-107.4833345
- actual wellpath misses target center by 30.55usft at 5624.80usft MD (5374.30 TVD, -580.21 N, -636.58 E)									
- Point									
Chaco #244H End 60 t	0.00	0.00	5,411.75	-613.13	-589.91	1,901,502.49	136,250.54	36.2197237	-107.4831588
- actual wellpath misses target center by 32.13usft at 5685.34usft MD (5403.15 TVD, -582.86 N, -583.44 E)									
- Point									
Chaco #244H BHL	0.00	0.00	5,438.00	-1,002.02	4,781.89	1,901,045.39	141,617.24	36.2186544	-107.4649492
- actual wellpath misses target center by 27.44usft at 11082.00usft MD (5444.79 TVD, -975.45 N, 4781.08 E)									
- Point									
Chaco #244H Landing	0.00	0.00	5,497.00	-636.64	-265.29	1,901,474.86	136,574.86	36.2196592	-107.4820583
- actual wellpath misses target center by 11.44usft at 6021.62usft MD (5492.96 TVD, -626.01 N, -264.04 E)									
- Point									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
450.00	449.98	-3.23	1.94	First SDI Surface MWD Survey
4,915.00	4,773.65	-520.45	-943.12	Last SDI Surface MWD Survey
4,960.00	4,818.19	-526.26	-940.45	First SDI Curve MWD Survey
6,066.00	5,497.84	-629.26	-220.06	7" Casing @ 6066' MD
6,066.00	5,497.84	-629.26	-220.06	36.2196795, -107.4819050
6,138.00	5,501.13	-631.88	-148.19	Last SDI Curve MWD Survey
6,229.00	5,501.87	-635.33	-57.27	First SDI Lateral MWD Survey
10,971.00	5,445.50	-973.09	4,670.12	36.2187339, -107.4653281
10,971.00	5,445.50	-973.09	4,670.12	RSI @ 10,971' MD
11,027.00	5,445.60	-974.25	4,726.10	Last SDI Lateral MWD Survey
11,082.00	5,444.79	-975.45	4,781.08	Projection to TD

Checked By: _____ Approved By: _____ Date: _____