

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 Plat

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35608	² Pool Code 47540 / 97232	³ Pool Name NAGEEZI GALLUP / BASIN MANCOS
⁴ Property Code 313898	⁵ Property Name CHACO 2308-04L	⁶ Well Number 283H
⁷ GRID No. 120782	⁸ Operator Name WPX ENERGY PRODUCTION, LLC	⁹ Elevation 6868'

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
L	4	23N	8W		2431	SOUTH	405	WEST	SAN JUAN

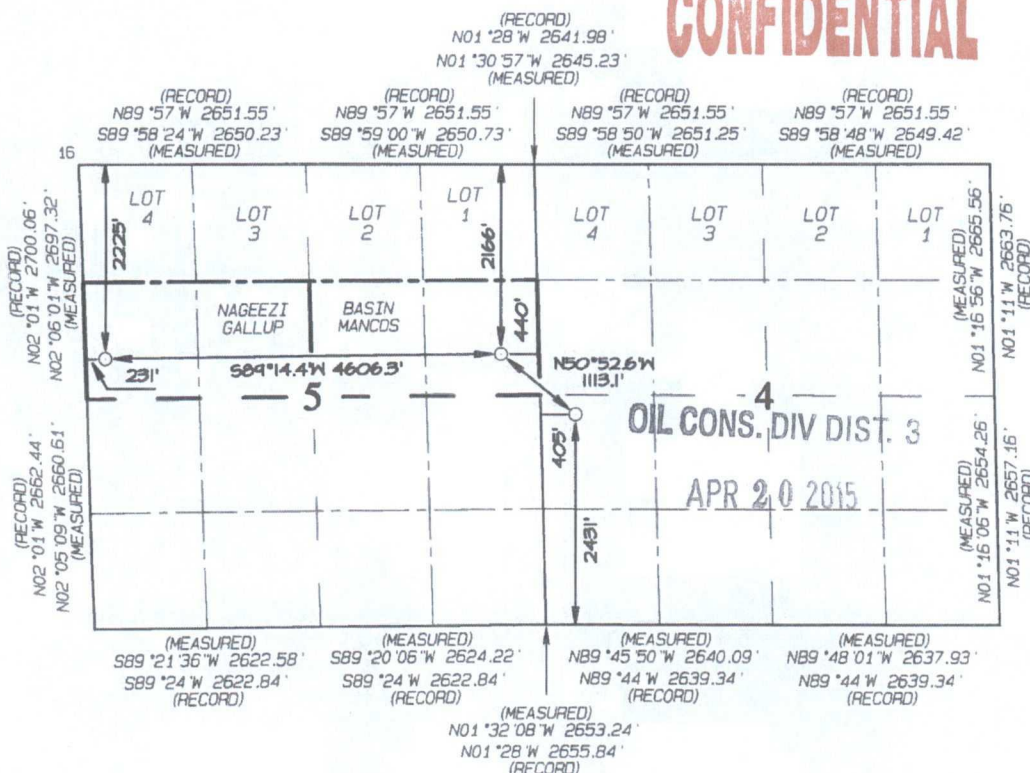
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	5	23N	8W		2225	NORTH	231	WEST	SAN JUAN

¹² Dedicated Acres 160.0 Acres S/2 N/2 - Section 5	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSL-7262-0 / PLC-415-0 / NSP-2026-0 / DHC-4750-0
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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

CONFIDENTIAL



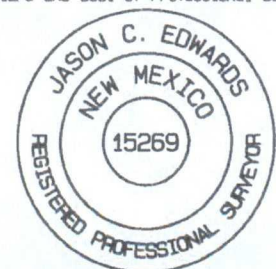
¹⁷ OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to 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: *Marie E. Jaramillo* Date: 4/20/15
Printed Name: Marie E. Jaramillo
E-mail Address: marie.jaramillo@wpxenergy.com

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: MARCH 26, 2015
Date of Survey: MAY 12, 2014

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

END-OF-LATERAL
2225' FNL 231' FWL
SECTION 5, T23N, R8W
LAT: 36.257479°N
LONG: 107.712540°W
DATUM: NAD1927

LAT: 36.257492°N
LONG: 107.713153°W
DATUM: NAD1983

RSI TOOL
2220' FNL 340' FWL
SECTION 5, T23N, R8W
LAT: 36.257493°N
LONG: 107.712171°W
DATUM: NAD1927

LAT: 36.257505°N
LONG: 107.712783°W
DATUM: NAD1983

POINT-OF-ENTRY
2166' FNL 440' FWL
SECTION 5, T23N, R8W
LAT: 36.257630°N
LONG: 107.696918°W
DATUM: NAD1927

LAT: 36.257643°N
LONG: 107.697530°W
DATUM: NAD1983

SURFACE LOCATION
2431' FSL 405' FWL
SECTION 4, T23N, R8W
LAT: 36.255697°N
LONG: 107.693992°W
DATUM: NAD1927

LAT: 36.255710°N
LONG: 107.694604°W
DATUM: NAD1983

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Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-04L #283H - Slot A2
Project:	T23N R8W	TVD Reference:	GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)
Site:	Chaco 2308-04L	MD Reference:	GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)
Well:	Chaco 2308-04L #283H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Project	T23N R8W		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

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Site	Chaco 2308-04L		
Site Position:		Northing:	1,912,345.31 usft
From:	Lat/Long	Easting:	541,082.86 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Latitude:	36.2556972
		Longitude:	-107.6939923
		Grid Convergence:	0.08 °

Well	Chaco 2308-04L #283H - Slot A2		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	36.2556972
		Longitude:	-107.6939923
		Ground Level:	6,868.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2014	3/8/2014	9.54
			Dip Angle (°)
			63.01
			Field Strength (nT)
			50,123

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)
	0.00	0.00	0.00
			Direction (°)
			269.43

Survey Program	Date 3/20/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
25.00	348.00	Survey #1 - Gyro Survey (Wellbore #1)	GYRO-NS
435.00	4,645.00	Survey #2 - Surface MWD (Wellbore #1)	SDI MWD
4,690.00	5,845.00	Survey #3 - Curve MWD Survey (Wellbore)	SDI MWD
5,871.00	10,455.00	Survey #4 - Lateral MWD Survey (Wellbor	SDI MWD
			Description
			Gyrocompass Gyro
			SDI MWD - Standard ver 1.0.1
			SDI MWD - Standard ver 1.0.1
			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	1,912,345.31	541,082.86	36.2556972	-107.6939923
25.00	0.00	0.00	25.00	0.00	0.00	1,912,345.31	541,082.86	36.2556972	-107.6939923
75.00	0.45	353.10	75.00	0.19	-0.02	1,912,345.51	541,082.83	36.2556977	-107.6939924
First Native Navigation Gyro Survey									
125.00	0.50	330.71	125.00	0.58	-0.15	1,912,345.89	541,082.70	36.2556988	-107.6939929
175.00	0.57	320.42	175.00	0.96	-0.42	1,912,346.27	541,082.44	36.2556998	-107.6939938
225.00	0.74	306.25	224.99	1.34	-0.84	1,912,346.66	541,082.02	36.2557009	-107.6939952
275.00	0.77	285.22	274.99	1.62	-1.42	1,912,346.93	541,081.43	36.2557016	-107.6939972
325.00	0.77	275.37	324.98	1.74	-2.08	1,912,347.05	541,080.77	36.2557020	-107.6939994

Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-04L #283H - Slot A2
Project:	T23N R8W	TVD Reference:	GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)
Site:	Chaco 2308-04L	MD Reference:	GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)
Well:	Chaco 2308-04L #283H	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
348.00	0.77	261.76	347.98	1.74	-2.39	1,912,347.04	541,080.47	36.2557019	-107.6940004
Last Native Navigation Gyro Survey									
435.00	1.38	226.42	434.97	0.93	-3.73	1,912,346.24	541,079.13	36.2556997	-107.6940050
First SDI Surface MWD Survey									
450.00	1.51	223.50	449.96	0.66	-3.99	1,912,345.97	541,078.86	36.2556990	-107.6940059
542.00	0.23	274.05	541.95	-0.20	-5.01	1,912,345.10	541,077.84	36.2556966	-107.6940093
633.00	1.73	17.80	632.94	1.12	-4.77	1,912,346.42	541,078.08	36.2557002	-107.6940085
724.00	3.09	359.93	723.85	4.88	-4.36	1,912,350.18	541,078.49	36.2557106	-107.6940071
815.00	5.11	353.28	814.62	11.36	-4.83	1,912,356.66	541,078.01	36.2557284	-107.6940087
906.00	6.20	350.87	905.17	20.23	-6.09	1,912,365.54	541,076.74	36.2557528	-107.6940130
998.00	7.82	353.88	996.48	31.36	-7.54	1,912,376.66	541,075.27	36.2557833	-107.6940179
1,078.00	9.92	355.53	1,075.52	43.64	-8.66	1,912,388.94	541,074.13	36.2558171	-107.6940217
1,089.00	10.21	355.70	1,086.35	45.56	-8.81	1,912,390.86	541,073.98	36.2558223	-107.6940222
1,180.00	10.72	352.12	1,175.84	61.99	-10.57	1,912,407.28	541,072.19	36.2558675	-107.6940282
1,271.00	12.74	351.32	1,264.94	80.29	-13.25	1,912,425.58	541,069.49	36.2559177	-107.6940373
1,286.00	12.72	351.14	1,279.57	83.56	-13.75	1,912,428.85	541,068.98	36.2559267	-107.6940390
1,362.00	12.64	350.24	1,353.71	100.02	-16.45	1,912,445.31	541,066.26	36.2559719	-107.6940481
1,453.00	12.41	346.36	1,442.55	119.34	-20.44	1,912,464.62	541,062.24	36.2560250	-107.6940617
1,545.00	11.64	345.26	1,532.53	137.92	-25.14	1,912,483.19	541,057.52	36.2560761	-107.6940776
1,635.00	11.84	344.77	1,620.65	155.61	-29.87	1,912,500.88	541,052.76	36.2561247	-107.6940937
1,726.00	12.71	355.78	1,709.58	174.60	-33.06	1,912,519.87	541,049.54	36.2561768	-107.6941045
1,818.00	12.84	355.75	1,799.30	194.89	-34.56	1,912,540.15	541,048.01	36.2562326	-107.6941096
1,909.00	12.67	351.22	1,888.06	214.84	-36.84	1,912,560.10	541,045.71	36.2562874	-107.6941173
2,001.00	12.62	351.67	1,977.83	234.75	-39.83	1,912,580.01	541,042.69	36.2563421	-107.6941274
2,092.00	12.34	348.29	2,066.68	254.11	-43.25	1,912,599.36	541,039.24	36.2563953	-107.6941390
2,184.00	11.86	355.21	2,156.64	273.16	-46.03	1,912,618.40	541,036.43	36.2564476	-107.6941485
2,275.00	11.80	354.34	2,245.70	291.74	-47.73	1,912,636.98	541,034.71	36.2564986	-107.6941542
2,367.00	11.66	352.75	2,335.78	310.32	-49.83	1,912,655.56	541,032.58	36.2565497	-107.6941614
2,457.00	11.73	354.20	2,423.92	328.44	-51.90	1,912,673.68	541,030.48	36.2565995	-107.6941684
2,548.00	11.79	356.45	2,513.01	346.93	-53.41	1,912,692.16	541,028.94	36.2566502	-107.6941735
2,640.00	11.77	355.20	2,603.07	365.66	-54.78	1,912,710.89	541,027.55	36.2567017	-107.6941781
2,731.00	11.72	355.23	2,692.16	384.12	-56.33	1,912,729.35	541,025.98	36.2567524	-107.6941834
2,820.00	11.16	353.51	2,779.39	401.68	-58.05	1,912,746.91	541,024.23	36.2568007	-107.6941892
2,912.00	10.71	348.59	2,869.73	418.91	-60.75	1,912,764.13	541,021.50	36.2568480	-107.6941984
3,003.00	11.17	357.05	2,959.08	436.00	-62.88	1,912,781.22	541,019.35	36.2568949	-107.6942056
3,094.00	10.48	356.59	3,048.46	453.06	-63.82	1,912,798.28	541,018.38	36.2569418	-107.6942088
3,160.00	11.01	355.64	3,113.30	465.34	-64.66	1,912,810.56	541,017.53	36.2569755	-107.6942116
3,185.00	11.21	355.30	3,137.83	470.14	-65.04	1,912,815.36	541,017.14	36.2569887	-107.6942129
3,220.00	11.09	355.80	3,172.17	476.89	-65.56	1,912,822.11	541,016.61	36.2570073	-107.6942147
3,277.00	10.88	356.65	3,228.13	487.73	-66.28	1,912,832.94	541,015.88	36.2570370	-107.6942171
3,368.00	11.82	354.03	3,317.35	505.57	-67.75	1,912,850.79	541,014.38	36.2570861	-107.6942221
3,459.00	11.99	354.72	3,406.39	524.25	-69.59	1,912,869.47	541,012.51	36.2571374	-107.6942284
3,550.00	11.69	350.23	3,495.46	542.75	-72.02	1,912,887.96	541,010.05	36.2571882	-107.6942366
3,641.00	11.40	349.27	3,584.61	560.67	-75.26	1,912,905.88	541,006.79	36.2572374	-107.6942476
3,732.00	11.00	348.46	3,673.88	578.02	-78.67	1,912,923.21	541,003.35	36.2572851	-107.6942592
3,824.00	11.71	348.85	3,764.08	595.78	-82.24	1,912,940.97	540,999.76	36.2573339	-107.6942713
3,915.00	11.04	349.04	3,853.29	613.39	-85.68	1,912,958.58	540,996.30	36.2573822	-107.6942829
4,006.00	10.80	345.03	3,942.64	630.18	-89.54	1,912,975.36	540,992.41	36.2574284	-107.6942960
4,097.00	10.56	347.88	4,032.07	646.57	-93.49	1,912,991.75	540,988.44	36.2574734	-107.6943094
4,188.00	10.50	357.05	4,121.54	663.00	-95.67	1,913,008.18	540,986.23	36.2575185	-107.6943168
4,280.00	10.07	359.56	4,212.07	679.42	-96.16	1,913,024.59	540,985.72	36.2575636	-107.6943185
4,371.00	8.06	2.63	4,301.92	693.75	-95.93	1,913,038.92	540,985.93	36.2576030	-107.6943177
4,462.00	6.23	8.24	4,392.21	705.01	-94.93	1,913,050.18	540,986.91	36.2576339	-107.6943143
4,553.00	4.25	344.41	4,482.84	713.15	-95.13	1,913,058.32	540,986.70	36.2576563	-107.6943150

Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-04L #283H - Slot A2
Project:	T23N R8W	TVD Reference:	GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)
Site:	Chaco 2308-04L	MD Reference:	GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)
Well:	Chaco 2308-04L #283H	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
4,645.00	1.52	306.05	4,574.72	717.15	-97.03	1,913,062.32	540,984.79	36.2576673	-107.6943214
Last SDI Surface MWD Survey									
4,690.00	1.63	287.88	4,619.70	717.70	-98.12	1,913,062.87	540,983.70	36.2576688	-107.6943251
First SDI Curve MWD Survey									
4,736.00	4.34	266.40	4,665.64	717.79	-100.48	1,913,062.96	540,981.34	36.2576690	-107.6943332
4,781.00	8.66	262.02	4,710.34	717.21	-105.54	1,913,062.37	540,976.29	36.2576675	-107.6943503
4,827.00	11.82	260.83	4,755.60	715.98	-113.62	1,913,061.13	540,968.20	36.2576641	-107.6943777
4,872.00	16.68	265.10	4,799.20	714.69	-124.61	1,913,059.82	540,957.22	36.2576605	-107.6944150
4,918.00	21.51	265.50	4,842.66	713.47	-139.61	1,913,058.58	540,942.22	36.2576572	-107.6944659
4,963.00	26.85	263.90	4,883.70	711.74	-157.95	1,913,056.82	540,923.88	36.2576524	-107.6945281
5,009.00	31.30	263.65	4,923.89	709.31	-180.17	1,913,054.36	540,901.67	36.2576457	-107.6946034
5,054.00	33.12	263.62	4,961.96	706.65	-204.00	1,913,051.67	540,877.84	36.2576384	-107.6946843
5,100.00	37.52	265.61	4,999.49	704.18	-230.47	1,913,049.16	540,851.37	36.2576317	-107.6947741
5,145.00	42.39	267.04	5,033.97	702.35	-259.30	1,913,047.29	540,822.54	36.2576266	-107.6948718
5,191.00	45.50	267.85	5,067.09	700.93	-291.19	1,913,045.82	540,790.66	36.2576227	-107.6949800
5,237.00	46.08	267.67	5,099.17	699.64	-324.14	1,913,044.49	540,757.71	36.2576192	-107.6950917
5,282.00	50.14	269.13	5,129.21	698.72	-357.61	1,913,043.52	540,724.24	36.2576167	-107.6952053
5,328.00	51.07	269.94	5,158.40	698.43	-393.16	1,913,043.18	540,688.69	36.2576159	-107.6953259
5,373.00	51.31	268.97	5,186.61	698.10	-428.22	1,913,042.80	540,653.63	36.2576149	-107.6954448
5,419.00	57.33	269.25	5,213.42	697.52	-465.57	1,913,042.17	540,616.29	36.2576134	-107.6955714
5,465.00	60.00	268.80	5,237.34	696.85	-504.85	1,913,041.44	540,577.01	36.2576115	-107.6957047
5,510.00	61.47	268.99	5,259.34	696.10	-544.10	1,913,040.63	540,537.76	36.2576094	-107.6958378
5,556.00	62.91	268.72	5,280.80	695.28	-584.77	1,913,039.75	540,497.08	36.2576072	-107.6959758
5,602.00	67.73	270.71	5,300.00	695.09	-626.56	1,913,039.50	540,455.30	36.2576067	-107.6961175
5,647.00	70.33	270.81	5,316.11	695.65	-668.57	1,913,040.00	540,413.29	36.2576082	-107.6962600
5,693.00	75.08	272.46	5,329.78	696.91	-712.46	1,913,041.19	540,369.40	36.2576117	-107.6964088
5,738.00	79.76	272.32	5,339.58	698.74	-756.32	1,913,042.96	540,325.53	36.2576167	-107.6965576
5,798.00	85.26	273.00	5,347.40	701.50	-815.73	1,913,045.64	540,266.12	36.2576243	-107.6967591
5,845.00	88.27	272.28	5,350.05	703.66	-862.60	1,913,047.73	540,219.25	36.2576302	-107.6969181
Last SDI Curve MWD Survey - 36.2576302, -107.6969180 - 7" Casing @ 5845' MD									
5,871.00	89.93	271.88	5,350.46	704.60	-888.57	1,913,048.64	540,193.27	36.2576328	-107.6970062
First SDI Lateral MWD Survey									
5,916.00	90.07	272.29	5,350.46	706.24	-933.54	1,913,050.21	540,148.30	36.2576373	-107.6971587
5,947.00	90.17	272.47	5,350.39	707.53	-964.52	1,913,051.45	540,117.32	36.2576408	-107.6972638
6,039.00	91.65	272.59	5,348.93	711.59	-1,056.41	1,913,055.38	540,025.42	36.2576520	-107.6975755
6,130.00	91.08	271.31	5,346.76	714.68	-1,147.33	1,913,058.35	539,934.50	36.2576604	-107.6978838
6,221.00	91.28	270.98	5,344.89	716.50	-1,238.29	1,913,060.03	539,843.53	36.2576654	-107.6981924
6,313.00	90.37	269.80	5,343.56	717.13	-1,330.28	1,913,060.53	539,751.54	36.2576671	-107.6985044
6,405.00	90.13	268.99	5,343.16	716.16	-1,422.27	1,913,059.42	539,659.55	36.2576645	-107.6988164
6,495.00	90.22	266.53	5,342.89	712.64	-1,512.20	1,913,055.78	539,569.63	36.2576548	-107.6991214
6,586.00	90.67	266.97	5,342.18	707.48	-1,603.05	1,913,050.49	539,478.79	36.2576406	-107.6994295
6,677.00	91.38	267.59	5,340.55	703.16	-1,693.93	1,913,046.04	539,387.92	36.2576287	-107.6997378
6,769.00	92.24	268.06	5,337.65	699.67	-1,785.82	1,913,042.42	539,296.03	36.2576191	-107.7000494
6,858.00	91.63	268.02	5,334.64	696.63	-1,874.71	1,913,039.25	539,207.14	36.2576107	-107.7003510
6,950.00	91.75	267.41	5,331.93	692.96	-1,966.60	1,913,035.45	539,115.26	36.2576007	-107.7006626
7,041.00	91.88	266.87	5,329.05	688.43	-2,057.44	1,913,030.78	539,024.43	36.2575882	-107.7009707
7,132.00	90.84	265.67	5,326.89	682.51	-2,148.22	1,913,024.73	538,933.66	36.2575719	-107.7012786
7,223.00	90.48	267.14	5,325.84	676.80	-2,239.03	1,913,018.89	538,842.85	36.2575562	-107.7015867
7,314.00	91.14	268.09	5,324.55	673.02	-2,329.94	1,913,014.98	538,751.95	36.2575458	-107.7018950
7,405.00	92.51	268.49	5,321.65	670.30	-2,420.85	1,913,012.13	538,661.04	36.2575383	-107.7022033
7,496.00	91.82	268.72	5,318.22	668.09	-2,511.76	1,913,009.79	538,570.14	36.2575322	-107.7025117
7,587.00	91.71	268.55	5,315.41	665.92	-2,602.69	1,913,007.49	538,479.21	36.2575262	-107.7028201
7,679.00	91.92	270.00	5,312.50	664.76	-2,694.64	1,913,006.19	538,387.27	36.2575230	-107.7031320
7,770.00	92.59	270.92	5,308.92	665.49	-2,785.56	1,913,006.79	538,296.34	36.2575250	-107.7034404

Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-04L #283H - Slot A2
Project:	T23N R8W	TVD Reference:	GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)
Site:	Chaco 2308-04L	MD Reference:	GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)
Well:	Chaco 2308-04L #283H	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
7,861.00	90.60	271.64	5,306.39	667.52	-2,876.50	1,913,008.69	538,205.40	36.2575305	-107.7037488
7,952.00	90.64	271.47	5,305.40	669.99	-2,967.46	1,913,011.03	538,114.44	36.2575373	-107.7040573
8,043.00	90.80	271.31	5,304.26	672.20	-3,058.42	1,913,013.11	538,023.47	36.2575433	-107.7043659
8,135.00	91.19	271.54	5,302.66	674.48	-3,150.38	1,913,015.26	537,931.51	36.2575496	-107.7046778
8,226.00	92.24	271.19	5,299.94	676.65	-3,241.31	1,913,017.30	537,840.57	36.2575555	-107.7049862
8,317.00	92.59	271.71	5,296.10	678.95	-3,332.20	1,913,019.47	537,749.68	36.2575618	-107.7052945
8,408.00	92.51	270.48	5,292.05	680.69	-3,423.10	1,913,021.08	537,658.78	36.2575666	-107.7056027
8,499.00	91.85	270.02	5,288.59	681.08	-3,514.03	1,913,021.34	537,567.85	36.2575676	-107.7059112
8,589.00	92.19	269.17	5,285.42	680.45	-3,603.97	1,913,020.58	537,477.91	36.2575658	-107.7062162
8,680.00	92.12	268.84	5,282.00	678.87	-3,694.89	1,913,018.87	537,386.99	36.2575615	-107.7065246
8,772.00	92.32	268.73	5,278.43	676.92	-3,786.80	1,913,016.79	537,295.09	36.2575561	-107.7068363
8,863.00	92.08	268.55	5,274.94	674.76	-3,877.71	1,913,014.50	537,204.18	36.2575501	-107.7071447
8,953.00	92.45	268.60	5,271.38	672.53	-3,967.61	1,913,012.13	537,114.28	36.2575439	-107.7074496
9,044.00	92.32	268.76	5,267.60	670.43	-4,058.51	1,913,009.91	537,023.39	36.2575382	-107.7077579
9,136.00	92.62	268.62	5,263.63	668.33	-4,150.40	1,913,007.67	536,931.50	36.2575323	-107.7080696
9,227.00	92.22	270.01	5,259.79	667.24	-4,241.31	1,913,006.45	536,840.59	36.2575293	-107.7083779
9,318.00	91.88	270.00	5,256.53	667.25	-4,332.25	1,913,006.33	536,749.65	36.2575293	-107.7086864
9,409.00	91.58	269.48	5,253.79	666.84	-4,423.21	1,913,005.79	536,658.70	36.2575281	-107.7089949
9,500.00	91.45	270.22	5,251.38	666.60	-4,514.17	1,913,005.42	536,567.73	36.2575274	-107.7093034
9,592.00	91.61	270.37	5,248.92	667.07	-4,606.14	1,913,005.76	536,475.76	36.2575287	-107.7096154
9,683.00	91.28	270.31	5,246.63	667.61	-4,697.11	1,913,006.17	536,384.79	36.2575301	-107.7099239
9,774.00	91.98	269.78	5,244.04	667.69	-4,788.07	1,913,006.11	536,293.83	36.2575303	-107.7102324
9,865.00	91.51	269.92	5,241.27	667.45	-4,879.03	1,913,005.74	536,202.87	36.2575296	-107.7105409
9,956.00	91.78	269.83	5,238.66	667.25	-4,969.99	1,913,005.41	536,111.91	36.2575290	-107.7108495
10,047.00	90.50	267.99	5,236.85	665.52	-5,060.95	1,913,003.55	536,020.95	36.2575242	-107.7111580
10,138.00	91.37	267.93	5,235.36	662.28	-5,151.88	1,913,000.18	535,930.03	36.2575153	-107.7114664
10,230.00	92.69	268.25	5,232.10	659.21	-5,243.77	1,912,996.98	535,838.14	36.2575068	-107.7117781
10,321.00	89.23	266.91	5,230.58	655.37	-5,334.66	1,912,993.01	535,747.26	36.2574962	-107.7120863
10,346.00	89.79	267.11	5,230.79	654.07	-5,359.62	1,912,991.67	535,722.30	36.2574926	-107.7121710
RSI @ 10,346' MD - 36.2574926, -107.7121710									
10,391.00	90.81	267.47	5,230.55	651.94	-5,404.57	1,912,989.48	535,677.35	36.2574867	-107.7123235
Last SDI Lateral MWD Survey									
10,455.00	90.81	267.47	5,229.65	649.12	-5,468.50	1,912,986.56	535,613.42	36.2574790	-107.7125403

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL Chaco 2308-04L #	0.00	0.00	5,213.00	658.13	-5,469.94	1,912,995.57	535,611.97	36.2575037	-107.7125452
- actual wellpath misses target center by 18.99usft at 10455.00usft MD (5229.65 TVD, 649.12 N, -5468.50 E)									
- Point									
POE Chaco 2308-04L #	0.00	0.00	5,350.00	704.56	-803.23	1,913,048.71	540,278.61	36.2576327	-107.6967167
- actual wellpath misses target center by 5.25usft at 5786.10usft MD (5346.30 TVD, 700.89 N, -803.89 E)									
- Point									

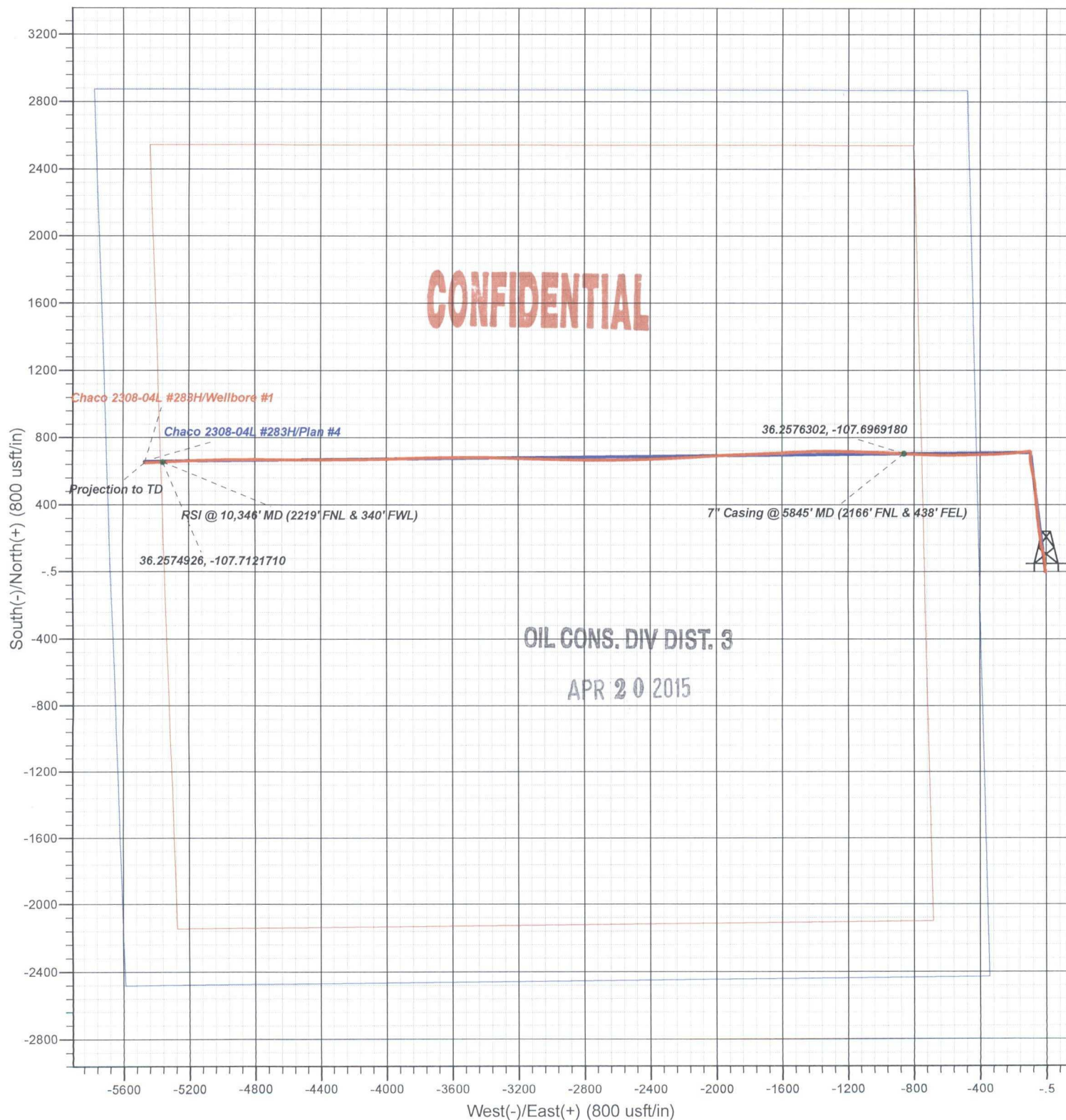
Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-04L #283H - Slot A2
Project:	T23N R8W	TVD Reference:	GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)
Site:	Chaco 2308-04L	MD Reference:	GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)
Well:	Chaco 2308-04L #283H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
75.00	75.00	0.19	-0.02	First Native Navigation Gyro Survey
348.00	347.98	1.74	-2.39	Last Native Navigation Gyro Survey
435.00	434.97	0.93	-3.73	First SDI Surface MWD Survey
4,645.00	4,574.72	717.15	-97.03	Last SDI Surface MWD Survey
4,690.00	4,619.70	717.70	-98.12	First SDI Curve MWD Survey
5,845.00	5,350.05	703.66	-862.60	Last SDI Curve MWD Survey
5,845.00	5,350.05	703.66	-862.60	36.2576302, -107.6969180
5,845.00	5,350.05	703.66	-862.60	7" Casing @ 5845' MD
5,871.00	5,350.46	704.60	-888.57	First SDI Lateral MWD Survey
10,346.00	5,230.79	654.07	-5,359.62	RSI @ 10,346' MD
10,346.00	5,230.79	654.07	-5,359.62	36.2574926, -107.7121710
10,391.00	5,230.55	651.94	-5,404.57	Last SDI Lateral MWD Survey
10,455.00	5,229.65	649.12	-5,468.50	Projection to TD

Checked By: _____ Approved By: _____ Date: _____

Well Details: Chaco 2308-04L #283H

+N/-S	+E/-W	TVD Reference: GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)		Latitude	Longitude	Slot
0.00	0.00	Northings	Easting	36.2556972	-107.6939923	A2



Plan: Wellbore #1

16:20, March 20 2015
Created By: Janie Collins