

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

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

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

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

☒ AMENDED REPORT
As Drilled Plat

CONFIDENTIAL

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35639	*Pool Code 47540	*Pool Name NAGEEZI GALLUP
*Property Code 314227	*Property Name CHACO 2308-06I	*Well Number 397H
*OGRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6899'

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
I	6	23N	8W		2100	SOUTH	325	EAST	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
L	6	23N	8W	9	2414	SOUTH	458	WEST	SAN JUAN

¹² Dedicated Acres	165.63 Acres - N/2 S/2	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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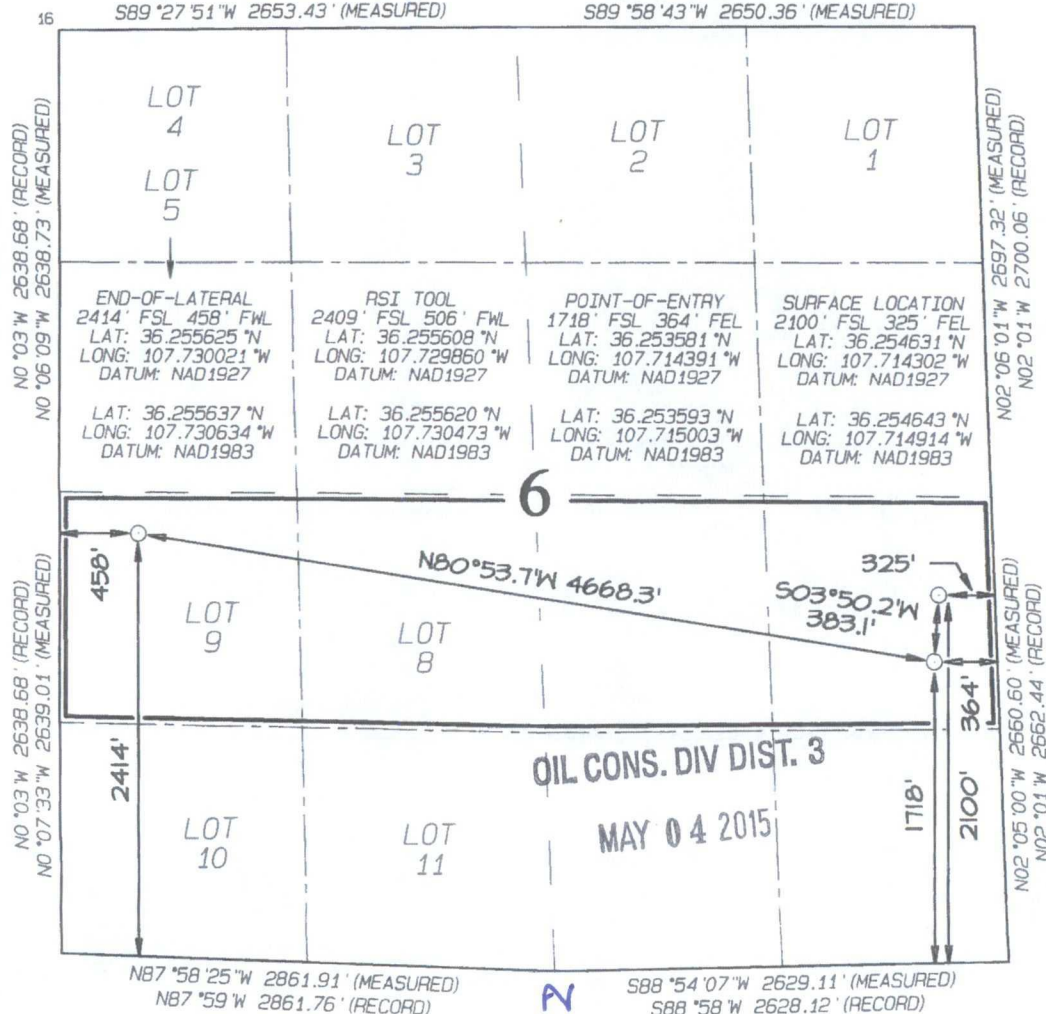
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

S89 °32 'W 2654.52 ' (RECORD)

N89°57'W 2651.55' (RECORD)

589°27'51"W 2653.43' (MEASURED)

S89°58'43"W 2650.36' (MEASURED)



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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Marie F. Jaramillo

Marie E. Jaramillo
Printed Name

maricioromillo@wpenergy.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: APBTL 10/2015

Date of Survey: AUGUST 29, 2014

Signature and Seal of Professional Surveyor



JASON C. EDWARDS

Certificate Number 15269



Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-06l #397H - Slot 397H
Project:	SJ 06-23N-08W	TVD Reference:	GL 6899' & RKB 14' @ 6913.00usft (Aztec 730)
Site:	Chaco 2308-06l	MD Reference:	GL 6899' & RKB 14' @ 6913.00usft (Aztec 730)
Well:	Chaco 2308-06l #397H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Project	SJ 06-23N-08W		
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		

Site	Chaco 2308-06l		
Site Position:		Northing:	1,911,949.21 usft
From:	Map	Easting:	535,095.28 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in
		Latitude:	36.2546310
		Longitude:	-107.7143020
		Grid Convergence:	0.07 °

Well	Chaco 2308-06l #397H - Slot 397H		
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:	36.2546310
		Longitude:	-107.7143020
		Ground Level:	6,898.99 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	9/22/2014	9.42
			Dip Angle (°)
			62.98
			Field Strength (nT)
			50,136

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 (°)
			280.00

Survey Program	Date 4/9/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
14.00	284.00	Survey #1 - Gyro Survey (Wellbore #1)	GYRO-NS
401.00	4,664.00	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD
4,695.00	5,688.00	Survey #3 - Curve MWD Survey (Wellbore	SDI MWD
5,762.00	10,395.00	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	1,911,949.21	535,095.28	36.2546310	-107.7143020
14.00	0.00	0.00	14.00	0.00	0.00	1,911,949.21	535,095.28	36.2546310	-107.7143020
30.00	0.39	317.79	30.00	0.04	-0.04	1,911,949.25	535,095.24	36.2546311	-107.7143022
First Native Navigation Gyro Survey									
44.00	0.74	317.79	44.00	0.14	-0.13	1,911,949.36	535,095.15	36.2546314	-107.7143025
74.00	0.97	315.77	74.00	0.47	-0.44	1,911,949.68	535,094.84	36.2546323	-107.7143035
104.00	0.97	307.26	103.99	0.80	-0.82	1,911,950.02	535,094.46	36.2546332	-107.7143048
134.00	1.47	309.70	133.98	1.20	-1.31	1,911,950.42	535,093.97	36.2546343	-107.7143065
164.00	1.60	312.72	163.97	1.73	-1.92	1,911,950.94	535,093.36	36.2546357	-107.7143086

Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-061 #397H - Slot 397H
Project:	SJ 06-23N-08W	TVD Reference:	GL 6899' & RKB 14' @ 6913.00usft (Aztec 730)
Site:	Chaco 2308-061	MD Reference:	GL 6899' & RKB 14' @ 6913.00usft (Aztec 730)
Well:	Chaco 2308-061 #397H	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
194.00	1.62	315.55	193.96	2.32	-2.52	1,911,951.53	535,092.76	36.2546373	-107.7143106
224.00	1.47	319.33	223.95	2.92	-3.07	1,911,952.12	535,092.21	36.2546390	-107.7143125
254.00	1.13	311.38	253.94	3.40	-3.54	1,911,952.61	535,091.73	36.2546403	-107.7143141
270.00	0.95	316.72	269.94	3.60	-3.75	1,911,952.81	535,091.52	36.2546409	-107.7143148
Last Native Navigation Gyro Survey									
284.00	0.80	323.33	283.94	3.77	-3.89	1,911,952.97	535,091.39	36.2546413	-107.7143152
401.00	0.88	295.75	400.93	4.81	-5.19	1,911,954.02	535,090.09	36.2546442	-107.7143196
First SDI Surface MWD Survey									
464.00	0.62	147.04	463.92	4.74	-5.44	1,911,953.94	535,089.84	36.2546440	-107.7143205
527.00	1.88	145.77	526.91	3.60	-4.67	1,911,952.80	535,090.61	36.2546408	-107.7143179
590.00	2.92	144.10	589.85	1.44	-3.15	1,911,950.65	535,092.13	36.2546349	-107.7143127
653.00	4.31	137.48	652.73	-1.60	-0.61	1,911,947.61	535,094.68	36.2546266	-107.7143041
716.00	5.25	132.19	715.51	-5.28	3.13	1,911,943.93	535,098.42	36.2546165	-107.7142914
779.00	6.55	130.10	778.17	-9.53	8.01	1,911,939.69	535,103.31	36.2546048	-107.7142749
841.00	7.41	129.54	839.71	-14.36	13.80	1,911,934.87	535,109.10	36.2545915	-107.7142552
904.00	8.47	127.02	902.11	-19.74	20.64	1,911,929.50	535,115.94	36.2545767	-107.7142321
967.00	9.37	128.89	964.34	-25.75	28.33	1,911,923.50	535,123.65	36.2545602	-107.7142059
1,030.00	10.55	130.62	1,026.39	-32.73	36.70	1,911,916.53	535,132.03	36.2545411	-107.7141776
1,093.00	11.95	132.29	1,088.18	-40.87	45.91	1,911,908.40	535,141.24	36.2545187	-107.7141463
1,156.00	13.47	132.88	1,149.64	-50.25	56.11	1,911,899.03	535,151.45	36.2544929	-107.7141117
1,217.00	14.07	128.22	1,208.88	-59.67	67.14	1,911,889.62	535,162.50	36.2544670	-107.7140743
1,278.00	14.10	125.22	1,268.05	-68.55	79.04	1,911,880.76	535,174.40	36.2544427	-107.7140340
1,340.00	14.00	125.33	1,328.20	-77.24	91.32	1,911,872.09	535,186.70	36.2544188	-107.7139923
1,401.00	13.99	124.65	1,387.39	-85.70	103.41	1,911,863.64	535,198.80	36.2543955	-107.7139513
1,462.00	13.72	123.18	1,446.61	-93.85	115.53	1,911,855.51	535,210.93	36.2543731	-107.7139102
1,524.00	13.50	125.98	1,506.87	-102.13	127.54	1,911,847.24	535,222.95	36.2543504	-107.7138695
1,585.00	13.02	126.58	1,566.24	-110.40	138.82	1,911,838.98	535,234.24	36.2543277	-107.7138312
1,646.00	13.38	126.34	1,625.63	-118.68	150.02	1,911,830.72	535,245.45	36.2543049	-107.7137932
1,707.00	13.34	125.38	1,684.98	-126.94	161.45	1,911,822.47	535,256.88	36.2542823	-107.7137545
1,769.00	12.79	129.32	1,745.38	-135.43	172.59	1,911,814.00	535,268.04	36.2542589	-107.7137167
1,830.00	12.18	129.59	1,804.94	-143.81	182.77	1,911,805.63	535,278.23	36.2542359	-107.7136822
1,891.00	12.08	127.97	1,864.57	-151.84	192.76	1,911,797.61	535,288.23	36.2542139	-107.7136483
1,953.00	11.62	126.73	1,925.25	-159.56	202.88	1,911,789.90	535,298.36	36.2541926	-107.7136140
2,014.00	11.75	128.86	1,984.99	-167.13	212.64	1,911,782.34	535,308.13	36.2541718	-107.7135809
2,076.00	11.92	130.96	2,045.67	-175.29	222.39	1,911,774.20	535,317.89	36.2541494	-107.7135478
2,109.00	11.92	130.71	2,077.96	-179.75	227.55	1,911,769.75	535,323.05	36.2541372	-107.7135303
2,170.00	11.88	128.91	2,137.65	-187.80	237.21	1,911,761.70	535,332.72	36.2541151	-107.7134975
2,231.00	12.51	129.39	2,197.27	-195.94	247.20	1,911,753.58	535,342.72	36.2540927	-107.7134636
2,293.00	13.70	132.11	2,257.66	-205.12	257.84	1,911,744.41	535,353.37	36.2540675	-107.7134276
2,354.00	13.67	133.20	2,316.92	-214.90	268.45	1,911,734.64	535,364.00	36.2540406	-107.7133916
2,415.00	13.68	131.81	2,376.20	-224.64	279.08	1,911,724.91	535,374.64	36.2540138	-107.7133555
2,477.00	13.79	131.03	2,436.42	-234.38	290.12	1,911,715.19	535,385.69	36.2539871	-107.7133181
2,538.00	13.66	130.21	2,495.68	-243.80	301.11	1,911,705.78	535,396.69	36.2539612	-107.7132808
2,600.00	13.55	130.16	2,555.94	-253.21	312.25	1,911,696.38	535,407.84	36.2539354	-107.7132430
2,661.00	13.72	129.49	2,615.22	-262.42	323.29	1,911,687.19	535,418.90	36.2539101	-107.7132056
2,722.00	13.24	129.00	2,674.54	-271.42	334.30	1,911,678.20	535,429.92	36.2538853	-107.7131682
2,784.00	13.10	128.79	2,734.91	-280.29	345.30	1,911,669.35	535,440.92	36.2538610	-107.7131309
2,845.00	13.01	127.66	2,794.33	-288.81	356.12	1,911,660.84	535,451.76	36.2538375	-107.7130942
2,906.00	13.55	128.48	2,853.70	-297.46	367.15	1,911,652.21	535,462.80	36.2538138	-107.7130568
2,968.00	14.40	128.32	2,913.87	-306.76	378.88	1,911,642.92	535,474.54	36.2537883	-107.7130170
3,029.00	14.49	128.77	2,972.94	-316.24	390.79	1,911,633.46	535,486.46	36.2537622	-107.7129767
3,092.00	14.21	128.20	3,033.97	-325.96	403.01	1,911,623.75	535,498.69	36.2537355	-107.7129352
3,155.00	13.95	127.60	3,095.08	-335.37	415.10	1,911,614.35	535,510.79	36.2537097	-107.7128942
3,217.00	13.57	126.23	3,155.30	-344.23	426.89	1,911,605.51	535,522.59	36.2536853	-107.7128542
3,280.00	13.32	126.78	3,216.57	-352.94	438.66	1,911,596.81	535,534.38	36.2536614	-107.7128143

Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-061 #397H - Slot 397H
Project:	SJ 06-23N-08W	TVD Reference:	GL 6899' & RKB 14' @ 6913.00usft (Aztec 730)
Site:	Chaco 2308-061	MD Reference:	GL 6899' & RKB 14' @ 6913.00usft (Aztec 730)
Well:	Chaco 2308-061 #397H	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
3,343.00	14.09	127.37	3,277.78	-361.94	450.57	1,911,587.82	535,546.30	36.2536367	-107.7127739
3,406.00	14.39	126.92	3,338.84	-371.30	462.92	1,911,578.48	535,558.66	36.2536109	-107.7127320
3,469.00	13.95	126.86	3,399.93	-380.56	475.26	1,911,569.24	535,571.01	36.2535855	-107.7126902
3,532.00	13.62	125.38	3,461.11	-389.41	487.38	1,911,560.40	535,583.14	36.2535612	-107.7126490
3,595.00	13.79	124.91	3,522.32	-398.00	499.59	1,911,551.83	535,595.36	36.2535376	-107.7126076
3,657.00	13.43	125.12	3,582.58	-406.37	511.54	1,911,543.47	535,607.32	36.2535146	-107.7125671
3,720.00	13.28	124.50	3,643.87	-414.68	523.48	1,911,535.18	535,619.28	36.2534918	-107.7125266
3,783.00	12.62	124.68	3,705.27	-422.69	535.11	1,911,527.18	535,630.91	36.2534698	-107.7124872
3,846.00	13.30	127.01	3,766.67	-430.97	546.55	1,911,518.91	535,642.36	36.2534470	-107.7124484
3,909.00	13.07	127.03	3,828.01	-439.62	558.03	1,911,510.28	535,653.85	36.2534232	-107.7124094
3,972.00	12.59	127.38	3,889.43	-448.08	569.17	1,911,501.83	535,665.00	36.2534000	-107.7123717
4,035.00	10.81	126.16	3,951.12	-455.74	579.40	1,911,494.19	535,675.24	36.2533790	-107.7123370
4,098.00	9.33	127.64	4,013.15	-462.34	588.21	1,911,487.59	535,684.06	36.2533608	-107.7123071
4,161.00	9.09	128.11	4,075.34	-468.53	596.17	1,911,481.41	535,692.03	36.2533438	-107.7122801
4,224.00	8.25	129.38	4,137.62	-474.47	603.58	1,911,475.48	535,699.44	36.2533275	-107.7122549
4,287.00	6.75	129.30	4,200.08	-479.68	609.94	1,911,470.28	535,705.81	36.2533132	-107.7122334
4,349.00	6.15	127.08	4,261.68	-483.99	615.41	1,911,465.98	535,711.28	36.2533014	-107.7122148
4,412.00	4.88	134.16	4,324.39	-487.90	620.02	1,911,462.08	535,715.90	36.2532906	-107.7121992
4,475.00	3.65	134.68	4,387.22	-491.17	623.37	1,911,458.81	535,719.26	36.2532816	-107.7121878
4,538.00	2.38	134.36	4,450.13	-493.50	625.73	1,911,456.48	535,721.62	36.2532752	-107.7121798
4,601.00	1.31	121.08	4,513.09	-494.78	627.28	1,911,455.20	535,723.17	36.2532717	-107.7121745
4,664.00	0.87	121.93	4,576.08	-495.41	628.31	1,911,454.58	535,724.20	36.2532700	-107.7121711
Last SDI Surface MWD Survey									
4,695.00	1.58	251.15	4,607.08	-495.67	628.10	1,911,454.31	535,723.99	36.2532693	-107.7121718
First SDI Curve MWD Survey									
4,727.00	3.48	266.37	4,639.05	-495.87	626.72	1,911,454.11	535,722.61	36.2532687	-107.7121765
4,758.00	6.77	276.55	4,669.92	-495.73	623.96	1,911,454.25	535,719.85	36.2532691	-107.7121858
4,790.00	10.97	279.75	4,701.53	-494.99	619.08	1,911,454.98	535,714.97	36.2532711	-107.7122024
4,821.00	14.86	280.77	4,731.74	-493.75	612.27	1,911,456.21	535,708.16	36.2532745	-107.7122255
4,852.00	16.52	280.91	4,761.58	-492.17	604.04	1,911,457.78	535,699.92	36.2532789	-107.7122534
4,884.00	19.79	281.82	4,791.99	-490.20	594.26	1,911,459.74	535,690.15	36.2532843	-107.7122865
4,915.00	21.47	280.45	4,821.00	-488.10	583.55	1,911,461.83	535,679.43	36.2532901	-107.7123229
4,947.00	23.30	279.36	4,850.59	-486.01	571.54	1,911,463.91	535,667.42	36.2532958	-107.7123636
4,978.00	25.52	278.49	4,878.81	-484.02	558.89	1,911,465.88	535,654.76	36.2533013	-107.7124065
5,010.00	28.58	277.96	4,907.31	-481.95	544.49	1,911,467.94	535,640.36	36.2533070	-107.7124554
5,041.00	31.33	276.59	4,934.17	-479.99	529.13	1,911,469.87	535,625.00	36.2533123	-107.7125074
5,073.00	34.65	277.25	4,961.00	-477.89	511.84	1,911,471.95	535,607.71	36.2533181	-107.7125661
5,104.00	39.33	278.69	4,985.76	-475.29	493.37	1,911,474.53	535,589.24	36.2533253	-107.7126287
5,135.00	40.80	279.19	5,009.48	-472.19	473.66	1,911,477.60	535,569.53	36.2533338	-107.7126956
5,167.00	40.72	278.41	5,033.72	-468.99	453.02	1,911,480.78	535,548.88	36.2533426	-107.7127656
5,198.00	41.77	279.80	5,057.03	-465.76	432.84	1,911,483.99	535,528.69	36.2533515	-107.7128340
5,230.00	44.14	280.37	5,080.45	-461.94	411.37	1,911,487.78	535,507.22	36.2533620	-107.7129068
5,261.00	48.98	282.09	5,101.76	-457.54	389.31	1,911,492.15	535,485.15	36.2533740	-107.7129817
5,293.00	51.42	282.09	5,122.24	-452.39	365.27	1,911,497.27	535,461.11	36.2533882	-107.7130632
5,324.00	53.20	282.61	5,141.19	-447.15	341.31	1,911,502.49	535,437.14	36.2534026	-107.7131445
5,356.00	56.21	281.68	5,159.68	-441.66	315.78	1,911,507.95	535,411.60	36.2534177	-107.7132311
5,387.00	61.03	281.82	5,175.82	-436.27	289.87	1,911,513.30	535,385.69	36.2534325	-107.7133189
5,418.00	63.53	281.12	5,190.23	-430.81	262.98	1,911,518.72	535,358.79	36.2534475	-107.7134101
5,450.00	66.21	281.21	5,203.82	-425.20	234.56	1,911,524.30	535,330.36	36.2534629	-107.7135065
5,481.00	68.84	280.80	5,215.67	-419.74	206.44	1,911,529.73	535,302.24	36.2534779	-107.7136019
5,513.00	71.31	281.47	5,226.58	-413.92	176.93	1,911,535.51	535,272.72	36.2534939	-107.7137020
5,544.00	73.22	280.58	5,236.02	-408.28	147.95	1,911,541.12	535,243.73	36.2535094	-107.7138003
5,576.00	75.36	279.89	5,244.68	-402.81	117.64	1,911,546.55	535,213.41	36.2535244	-107.7139031
5,607.00	77.34	278.59	5,252.00	-397.97	87.90	1,911,551.35	535,183.67	36.2535377	-107.7140039
5,638.00	81.60	278.47	5,257.66	-393.45	57.77	1,911,555.83	535,153.54	36.2535501	-107.7141061

Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-06l #397H - Slot 397H
Project:	SJ 06-23N-08W	TVD Reference:	GL 6899' & RKB 14' @ 6913.00usft (Aztec 730)
Site:	Chaco 2308-06l	MD Reference:	GL 6899' & RKB 14' @ 6913.00usft (Aztec 730)
Well:	Chaco 2308-06l #397H	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
5,670.00	83.91	277.76	5,261.70	-388.97	26.35	1,911,560.27	535,122.11	36.2535624	-107.7142127
5,688.00	86.13	276.98	5,263.26	-386.67	8.56	1,911,562.55	535,104.32	36.2535687	-107.7142730
Last SDI Curve MWD Survey									
5,723.00	87.55	277.11	5,265.19	-382.39	-26.12	1,911,566.79	535,069.63	36.2535805	-107.7143906
7" Casing @ 5723' MD									
5,762.00	89.13	277.25	5,266.32	-377.52	-64.80	1,911,571.62	535,030.95	36.2535939	-107.7145218
First SDI Lateral MWD Survey									
5,823.00	90.10	277.39	5,266.73	-369.74	-125.30	1,911,579.32	534,970.44	36.2536152	-107.7147270
5,885.00	90.60	279.03	5,266.35	-360.89	-186.66	1,911,588.09	534,909.07	36.2536395	-107.7149351
5,946.00	90.81	282.15	5,265.60	-349.68	-246.61	1,911,599.23	534,849.10	36.2536703	-107.7151384
6,007.00	91.21	281.71	5,264.53	-337.07	-306.28	1,911,611.76	534,789.42	36.2537050	-107.7153408
6,069.00	90.47	281.00	5,263.62	-324.87	-367.06	1,911,623.89	534,728.62	36.2537385	-107.7155470
6,130.00	90.54	279.95	5,263.08	-313.78	-427.04	1,911,634.91	534,668.63	36.2537690	-107.7157504
6,191.00	90.44	280.72	5,262.56	-302.84	-487.05	1,911,645.78	534,608.61	36.2537990	-107.7159539
6,253.00	90.77	280.32	5,261.90	-291.52	-548.00	1,911,657.02	534,547.64	36.2538301	-107.7161607
6,314.00	91.11	280.41	5,260.90	-280.54	-608.00	1,911,667.92	534,487.63	36.2538603	-107.7163641
6,375.00	91.04	280.39	5,259.76	-269.53	-667.98	1,911,678.86	534,427.63	36.2538905	-107.7165676
6,437.00	91.18	278.80	5,258.56	-259.20	-729.10	1,911,689.12	534,366.50	36.2539189	-107.7167749
6,498.00	90.10	276.81	5,257.88	-250.92	-789.53	1,911,697.32	534,306.06	36.2539416	-107.7169798
6,559.00	89.50	275.54	5,258.09	-244.36	-850.18	1,911,703.81	534,245.41	36.2539596	-107.7171855
6,621.00	90.60	276.00	5,258.03	-238.12	-911.86	1,911,709.97	534,183.72	36.2539768	-107.7173947
6,682.00	90.27	274.01	5,257.57	-232.80	-972.62	1,911,715.21	534,122.95	36.2539914	-107.7176008
6,744.00	92.08	274.39	5,256.30	-228.26	-1,034.44	1,911,719.68	534,061.12	36.2540038	-107.7178105
6,805.00	92.32	276.37	5,253.96	-222.55	-1,095.12	1,911,725.32	534,000.43	36.2540195	-107.7180163
6,866.00	90.54	278.01	5,252.44	-214.92	-1,155.62	1,911,732.88	533,939.93	36.2540405	-107.7182215
6,928.00	90.24	277.60	5,252.01	-206.50	-1,217.04	1,911,741.22	533,878.49	36.2540636	-107.7184298
6,990.00	90.44	278.67	5,251.65	-197.72	-1,278.42	1,911,749.92	533,817.11	36.2540877	-107.7186380
7,053.00	90.20	279.20	5,251.29	-187.94	-1,340.65	1,911,759.63	533,754.86	36.2541146	-107.7188491
7,116.00	88.42	279.59	5,252.05	-177.66	-1,402.80	1,911,769.83	533,692.70	36.2541428	-107.7190598
7,179.00	89.02	279.94	5,253.46	-166.97	-1,464.87	1,911,780.44	533,630.62	36.2541722	-107.7192704
7,242.00	89.70	279.87	5,254.16	-156.14	-1,526.93	1,911,791.20	533,568.55	36.2542019	-107.7194808
7,305.00	90.03	279.60	5,254.31	-145.49	-1,589.02	1,911,801.78	533,506.44	36.2542312	-107.7196914
7,368.00	90.74	279.69	5,253.89	-134.93	-1,651.13	1,911,812.25	533,444.32	36.2542602	-107.7199021
7,431.00	90.10	281.12	5,253.43	-123.55	-1,713.09	1,911,823.56	533,382.35	36.2542914	-107.7201122
7,493.00	90.17	280.49	5,253.28	-111.93	-1,773.99	1,911,835.10	533,321.43	36.2543233	-107.7203188
7,556.00	90.10	279.50	5,253.13	-101.00	-1,836.03	1,911,845.96	533,259.37	36.2543534	-107.7205292
7,619.00	89.09	280.66	5,253.58	-89.97	-1,898.06	1,911,856.91	533,197.34	36.2543836	-107.7207396
7,682.00	89.19	279.86	5,254.52	-78.75	-1,960.04	1,911,868.05	533,135.34	36.2544144	-107.7209498
7,745.00	89.87	280.53	5,255.04	-67.60	-2,022.04	1,911,879.13	533,073.32	36.2544451	-107.7211601
7,808.00	89.26	281.91	5,255.52	-55.34	-2,083.84	1,911,891.31	533,011.51	36.2544787	-107.7213697
7,871.00	88.89	282.38	5,256.54	-42.09	-2,145.42	1,911,904.49	532,949.92	36.2545151	-107.7215786
7,933.00	89.23	281.67	5,257.55	-29.17	-2,206.05	1,911,917.33	532,889.27	36.2545506	-107.7217842
7,996.00	90.24	280.99	5,257.84	-16.80	-2,267.82	1,911,929.63	532,827.48	36.2545846	-107.7219937
8,059.00	89.90	280.73	5,257.77	-4.93	-2,329.69	1,911,941.42	532,765.60	36.2546172	-107.7222036
8,122.00	89.70	281.86	5,257.99	7.41	-2,391.47	1,911,953.69	532,703.80	36.2546511	-107.7224131
8,185.00	91.01	281.69	5,257.60	20.27	-2,453.14	1,911,966.47	532,642.12	36.2546864	-107.7226223
8,248.00	90.47	281.91	5,256.78	33.15	-2,514.80	1,911,979.27	532,580.44	36.2547217	-107.7228314
8,311.00	90.07	280.81	5,256.49	45.56	-2,576.57	1,911,991.60	532,518.66	36.2547558	-107.7230409
8,374.00	90.24	281.34	5,256.32	57.66	-2,638.40	1,912,003.63	532,456.82	36.2547890	-107.7232506
8,436.00	90.44	281.37	5,255.95	69.87	-2,699.18	1,912,015.76	532,396.02	36.2548226	-107.7234568
8,499.00	90.24	281.24	5,255.57	82.22	-2,760.96	1,912,028.04	532,334.23	36.2548565	-107.7236663
8,562.00	89.66	280.22	5,255.63	93.95	-2,822.85	1,912,039.69	532,272.31	36.2548887	-107.7238762
8,625.00	90.40	280.34	5,255.60	105.19	-2,884.84	1,912,050.86	532,210.31	36.2549195	-107.7240865
8,688.00	89.36	280.28	5,255.73	116.46	-2,946.82	1,912,062.06	532,148.32	36.2549505	-107.7242967
8,751.00	90.20	280.78	5,255.97	127.98	-3,008.76	1,912,073.49	532,086.36	36.2549821	-107.7245068

Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-06I #397H - Slot 397H
Project:	SJ 06-23N-08W	TVD Reference:	GL 6899' & RKB 14' @ 6913.00usft (Aztec 730)
Site:	Chaco 2308-06I	MD Reference:	GL 6899' & RKB 14' @ 6913.00usft (Aztec 730)
Well:	Chaco 2308-06I #397H	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
8,814.00	89.73	280.59	5,256.01	139.66	-3,070.67	1,912,085.10	532,024.44	36.2550142	-107.7247168
8,877.00	90.84	281.28	5,255.70	151.61	-3,132.52	1,912,096.97	531,962.57	36.2550470	-107.7249266
8,939.00	90.47	281.18	5,254.99	163.68	-3,193.33	1,912,108.97	531,901.75	36.2550801	-107.7251328
9,002.00	89.66	279.20	5,254.91	174.83	-3,255.34	1,912,120.04	531,839.73	36.2551107	-107.7253431
9,065.00	90.50	279.44	5,254.83	185.03	-3,317.50	1,912,130.17	531,777.55	36.2551387	-107.7255540
9,128.00	89.19	278.61	5,255.00	194.91	-3,379.72	1,912,139.97	531,715.32	36.2551659	-107.7257650
9,191.00	90.00	278.83	5,255.44	204.46	-3,441.99	1,912,149.45	531,653.04	36.2551921	-107.7259762
9,254.00	90.74	278.72	5,255.04	214.07	-3,504.25	1,912,158.98	531,590.77	36.2552185	-107.7261874
9,317.00	90.50	278.82	5,254.35	223.68	-3,566.51	1,912,168.51	531,528.50	36.2552448	-107.7263985
9,379.00	90.98	278.78	5,253.55	233.16	-3,627.78	1,912,177.92	531,467.22	36.2552709	-107.7266063
9,442.00	91.31	278.25	5,252.29	242.49	-3,690.07	1,912,187.17	531,404.92	36.2552965	-107.7268176
9,505.00	91.01	279.82	5,251.02	252.38	-3,752.27	1,912,196.98	531,342.70	36.2553236	-107.7270286
9,568.00	90.07	279.89	5,250.43	263.16	-3,814.34	1,912,207.69	531,280.62	36.2553532	-107.7272391
9,631.00	90.77	279.80	5,249.96	273.93	-3,876.41	1,912,218.38	531,218.54	36.2553828	-107.7274496
9,694.00	90.91	280.65	5,249.04	285.11	-3,938.40	1,912,229.49	531,156.53	36.2554135	-107.7276599
9,757.00	90.40	277.78	5,248.32	295.20	-4,000.58	1,912,239.50	531,094.34	36.2554412	-107.7278708
9,819.00	90.74	277.59	5,247.70	303.49	-4,062.02	1,912,247.71	531,032.89	36.2554639	-107.7280792
9,882.00	90.24	276.16	5,247.16	311.03	-4,124.56	1,912,255.18	530,970.34	36.2554846	-107.7282913
9,945.00	90.24	274.49	5,246.90	316.88	-4,187.29	1,912,260.95	530,907.61	36.2555006	-107.7285040
10,008.00	90.57	273.72	5,246.45	321.39	-4,250.12	1,912,265.38	530,844.77	36.2555130	-107.7287172
10,071.00	90.13	271.93	5,246.07	324.49	-4,313.04	1,912,268.41	530,781.84	36.2555215	-107.7289306
10,134.00	89.93	275.62	5,246.04	328.64	-4,375.89	1,912,272.48	530,718.99	36.2555329	-107.7291438
10,196.00	90.75	277.96	5,245.67	335.97	-4,437.45	1,912,279.73	530,657.42	36.2555530	-107.7293526
10,259.00	91.71	277.66	5,244.32	344.53	-4,499.85	1,912,288.21	530,595.01	36.2555765	-107.7295642
10,322.00	92.12	277.31	5,242.21	352.73	-4,562.28	1,912,296.34	530,532.57	36.2555990	-107.7297759
10,329.00	92.32	277.34	5,241.94	353.62	-4,569.22	1,912,297.22	530,525.63	36.2556014	-107.7297995
Last SDI Lateral MWD Survey									
10,347.00	92.32	277.34	5,241.21	355.92	-4,587.06	1,912,299.50	530,507.79	36.2556077	-107.7298600
RSI @ 10,347' MD									
10,395.00	92.32	277.34	5,239.27	362.05	-4,634.63	1,912,305.57	530,460.22	36.2556245	-107.7300213
Projection to TD									

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
30.00	30.00	0.04	-0.04	First Native Navigation Gyro Survey	
270.00	269.94	3.60	-3.75	Last Native Navigation Gyro Survey	
401.00	400.93	4.81	-5.19	First SDI Surface MWD Survey	
4,664.00	4,576.08	-495.41	628.31	Last SDI Surface MWD Survey	
4,695.00	4,607.08	-495.67	628.10	First SDI Curve MWD Survey	
5,688.00	5,263.26	-386.67	8.56	Last SDI Curve MWD Survey	
5,723.00	5,265.19	-382.39	-26.12	7" Casing @ 5723' MD	
5,762.00	5,266.32	-377.52	-64.80	First SDI Lateral MWD Survey	
10,329.00	5,241.94	353.62	-4,569.22	Last SDI Lateral MWD Survey	
10,347.00	5,241.21	355.92	-4,587.06	RSI @ 10,347' MD	
10,395.00	5,239.27	362.05	-4,634.63	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____



Scientific Drilling

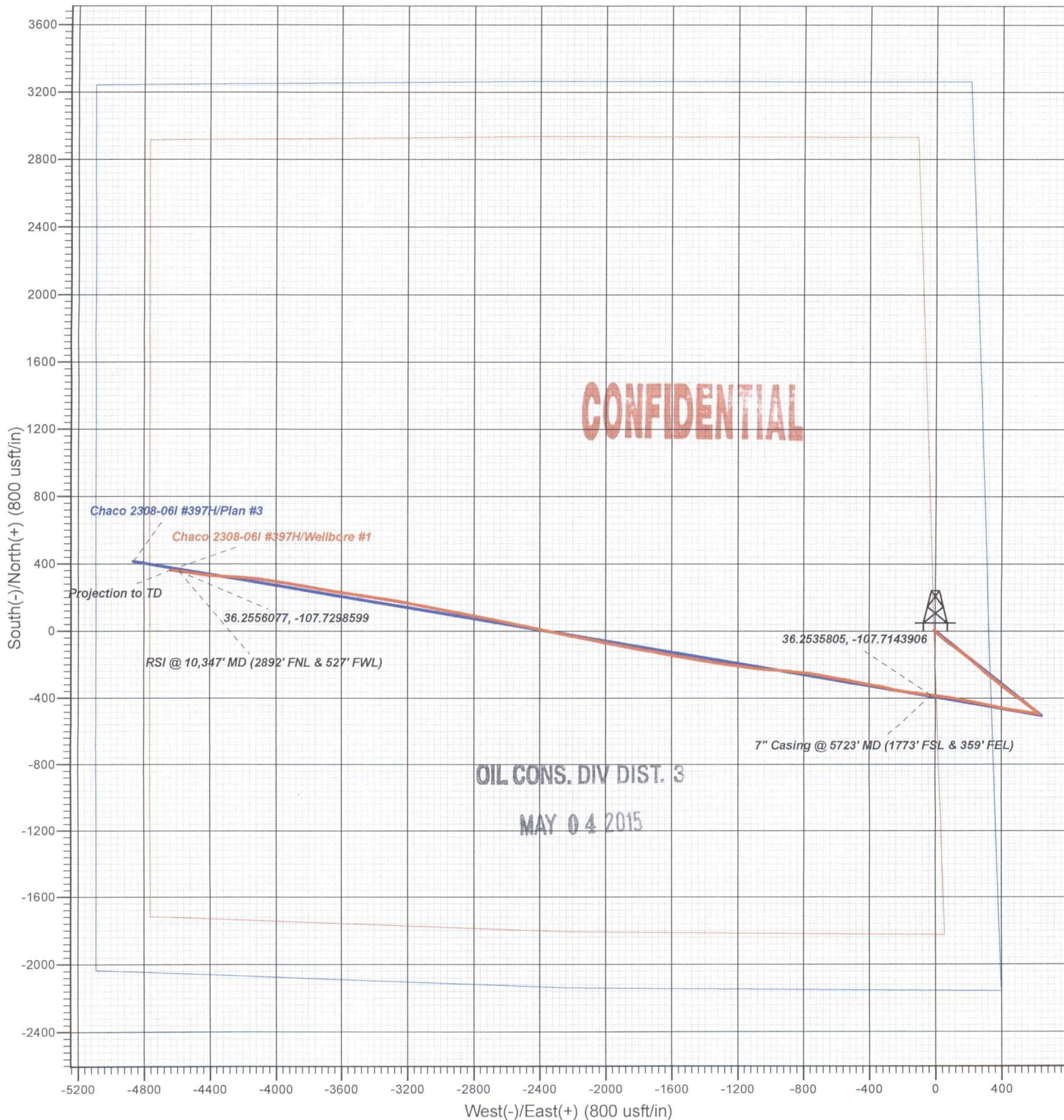
Company: WPX Energy
Project: SJ 06-23N-08W
Site: Chaco 2308-06I



Well Details: Chaco 2308-06I #397H

TVD Reference: GL 6899' & RKB 14' @ 6913.00usft (Aztec 730)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1911949.21	535095.28	36.2546310	-107.7143020	397H



Plan: Wellbore #1

12:15, April 09 2015

Created By: Janie Collins