

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

Submit one copy to
Appropriate District Office

☒ AMENDED REPORT

As Drilled Plat

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number 30-045-356-27	'Pool Code 47540 / 97232	'Pool Name NAGEEZI GALLUP / BASIN MANCOS
'Property Code 313898	'Property Name CHACO 2308-04L	'Well Number 459H
'OGRID No. 120782	'Operator Name WPX ENERGY PRODUCTION, LLC	'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	427	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

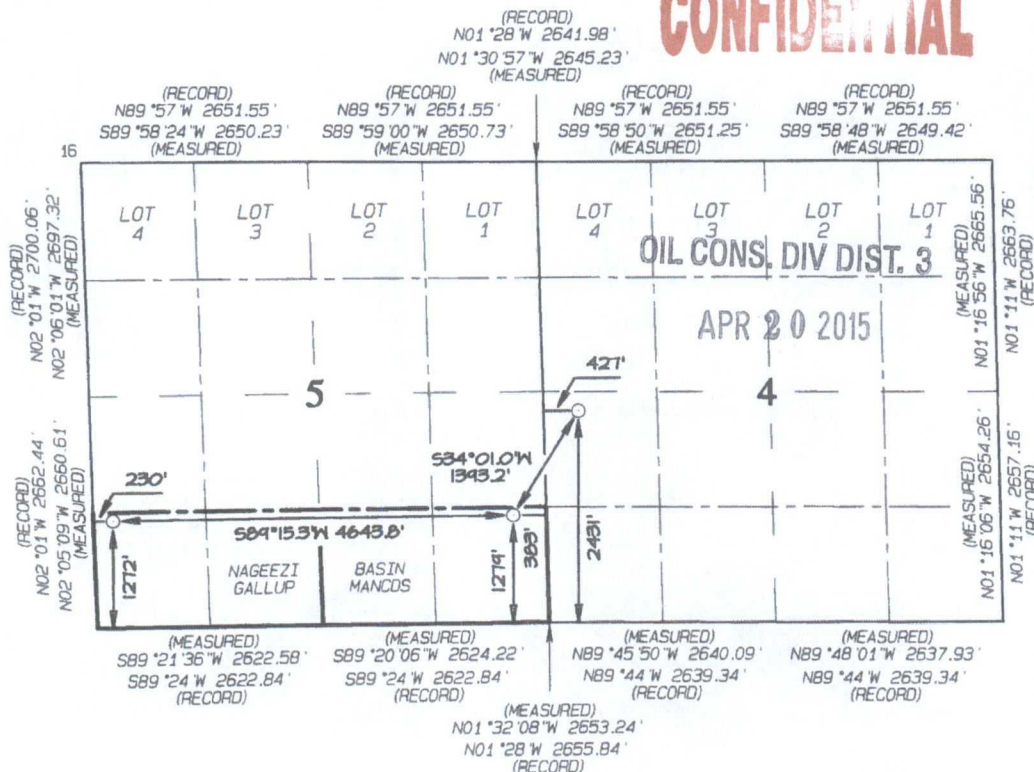
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	5	23N	8W		1272	SOUTH	230	WEST	SAN JUAN

¹² Dedicated Acres	160.0 Acres S/2 S/2 - Section 5	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSL-7261-0 / PLC-415-0 / DHC-4749-0
-------------------------------	------------------------------------	-------------------------------	----------------------------------	--

85 acres Basin Mancos 80 acres Nageezi Gallup

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



END-OF-LATERAL
1272' FSL 230' FWL
SECTION 5, T23N, R8W
LAT: 36.252381°N
LONG: 107.712316°W
DATUM: NAD1927

LAT: 36.252393°N
LONG: 107.712928°W
DATUM: NAD1983

RSI TOOL
1274' FSL 348' FWL
SECTION 5, T23N, R8W
LAT: 36.252390°N
LONG: 107.711923°W
DATUM: NAD1927

LAT: 36.252403°N
LONG: 107.712535°W
DATUM: NAD1983

POINT-OF-ENTRY
1279' FSL 383' FEL
SECTION 5, T23N, RBW
LAT: 36.252530°N
LONG: 107.696567°W
DATUM: NAD1927

LAT: 36.252542°N
LONG: 107.697179°W
DATUM: NAD1983

SURFACE LOCATION
2431' FSL 427' FWL
SECTION 4, T23N, R8W
LAT: 36.255699 °N
LONG: 107.693918 °W
DATUM: NAD1927

LAT: 36.255712 °N
LONG: 107.694529 °W
DATUM: NAD1983

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, agreement or a mineral or working interest, or the a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Signature [Signature] Date 4/20/15

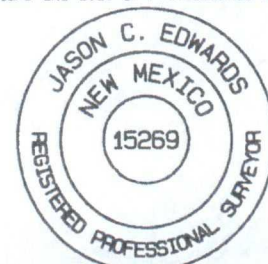
Marie E. Jaramillo
Printed Name
marie.jaramillo@wpxenergy.com
E-mail Address

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: APRIL 7, 2015
Date of Survey: MAY 12, 2014

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-04L #459H - Slot A1
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 #459H	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		

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
		Grid Convergence:	0.08 °

Well	Chaco 2308-04L #459H - Slot A1		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Ground Level:	6,868.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2015	3/20/2015	9.40
			Dip Angle (°)
			62.96
			Field Strength (nT)
			50,005

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 4/2/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
25.00	357.00	Survey #1 - Gyro Survey (Wellbore #1)	GYRO-NS
496.00	4,781.00	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD
4,827.00	5,859.00	Survey #3 - Curve MWD Survey (Wellbore	SDI MWD
5,904.00	10,554.00	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25.00	0.00	0.00	25.00	0.00	0.00	0.00	0.00	0.00	0.00
75.00	0.41	221.88	75.00	-0.13	-0.12	0.12	0.82	0.82	0.00
First Native Navigation Gyro Survey									
125.00	0.48	215.42	125.00	-0.44	-0.36	0.36	0.17	0.14	-12.92
175.00	0.77	252.90	175.00	-0.71	-0.80	0.81	0.97	0.58	74.96
225.00	1.10	238.38	224.99	-1.06	-1.53	1.54	0.81	0.66	-29.04
275.00	1.15	227.89	274.98	-1.65	-2.31	2.33	0.42	0.10	-20.98

Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-04L #459H - Slot A1
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 #459H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
325.00	1.60	232.66	324.96	-2.40	-3.24	3.26	0.93	0.90	9.54
357.00	1.79	234.09	356.95	-2.97	-4.00	4.03	0.61	0.59	4.47
Last Native Navigation Gyro Survey									
496.00	1.49	247.72	495.89	-4.93	-7.43	7.48	0.35	-0.22	9.81
First SDI Surface MWD Survey									
541.00	1.23	226.75	540.88	-5.48	-8.32	8.38	1.24	-0.58	-46.60
587.00	2.37	203.86	586.86	-6.69	-9.07	9.13	2.88	2.48	-49.76
633.00	3.43	203.73	632.80	-8.82	-10.01	10.09	2.30	2.30	-0.28
724.00	5.46	178.62	723.53	-15.64	-11.00	11.15	3.04	2.23	-27.59
815.00	6.88	181.20	814.00	-25.42	-11.01	11.26	1.59	1.56	2.84
906.00	6.82	180.13	904.35	-36.27	-11.13	11.50	0.15	-0.07	-1.18
997.00	8.59	181.47	994.52	-48.47	-11.32	11.80	1.95	1.95	1.47
1,088.00	10.47	183.21	1,084.27	-63.52	-11.96	12.59	2.09	2.07	1.91
1,180.00	12.98	182.49	1,174.34	-82.19	-12.88	13.69	2.73	2.73	-0.78
1,271.00	15.21	183.74	1,262.59	-104.31	-14.10	15.14	2.47	2.45	1.37
1,362.00	15.23	182.85	1,350.40	-128.16	-15.47	16.75	0.26	0.02	-0.98
1,453.00	14.75	180.40	1,438.31	-151.69	-16.15	17.66	0.87	-0.53	-2.69
1,545.00	15.41	178.65	1,527.14	-175.62	-15.94	17.69	0.87	0.72	-1.90
1,635.00	15.16	182.10	1,613.96	-199.33	-16.09	18.07	1.05	-0.28	3.83
1,726.00	15.52	183.06	1,701.71	-223.38	-17.18	19.40	0.48	0.40	1.05
1,818.00	15.54	181.04	1,790.36	-247.99	-18.06	20.52	0.59	0.02	-2.20
1,909.00	14.53	179.32	1,878.24	-271.60	-18.14	20.84	1.21	-1.11	-1.89
2,001.00	13.80	185.42	1,967.45	-294.06	-19.04	21.97	1.81	-0.79	6.63
2,092.00	15.64	185.43	2,055.46	-317.08	-21.23	24.38	2.02	2.02	0.01
2,183.00	15.66	185.24	2,143.08	-341.52	-23.51	26.91	0.06	0.02	-0.21
2,275.00	15.96	180.99	2,231.60	-366.53	-24.86	28.51	1.30	0.33	-4.62
2,367.00	15.73	180.21	2,320.11	-391.65	-25.13	29.02	0.34	-0.25	-0.85
2,457.00	15.09	179.57	2,406.87	-415.57	-25.08	29.22	0.74	-0.71	-0.71
2,548.00	15.58	180.28	2,494.63	-439.63	-25.06	29.43	0.58	0.54	0.78
2,639.00	15.58	179.97	2,582.29	-464.07	-25.11	29.72	0.09	0.00	-0.34
2,731.00	16.35	178.57	2,670.74	-489.37	-24.78	29.65	0.94	0.84	-1.52
2,820.00	15.62	177.68	2,756.30	-513.87	-23.98	29.09	0.87	-0.82	-1.00
2,912.00	15.68	181.97	2,844.89	-538.67	-23.91	29.26	1.26	0.07	4.66
3,003.00	15.34	181.26	2,932.58	-562.99	-24.59	30.19	0.43	-0.37	-0.78
3,094.00	15.47	183.45	3,020.31	-587.14	-25.59	31.43	0.66	0.14	2.41
3,185.00	14.94	182.82	3,108.12	-610.97	-26.90	32.97	0.61	-0.58	-0.69
3,276.00	14.81	182.03	3,196.07	-634.31	-27.89	34.20	0.26	-0.14	-0.87
3,367.00	13.91	180.46	3,284.23	-656.87	-28.39	34.92	1.08	-0.99	-1.73
3,459.00	14.79	184.58	3,373.36	-679.64	-29.41	36.17	1.46	0.96	4.48
3,550.00	15.26	183.30	3,461.25	-703.17	-31.03	38.02	0.63	0.52	-1.41
3,641.00	15.04	184.44	3,549.09	-726.90	-32.63	39.86	0.41	-0.24	1.25
3,732.00	15.65	187.03	3,636.84	-750.85	-35.05	42.52	1.01	0.67	2.85
3,823.00	16.34	187.08	3,724.32	-775.74	-38.13	45.84	0.76	0.76	0.05
3,915.00	17.07	186.80	3,812.44	-801.99	-41.32	49.30	0.80	0.79	-0.30

Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-04L #459H - Slot A1
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 #459H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,006.00	16.33	184.99	3,899.60	-828.00	-44.02	52.25	0.99	-0.81	-1.99
4,097.00	15.54	182.68	3,987.10	-852.92	-45.70	54.18	1.11	-0.87	-2.54
4,188.00	16.31	183.78	4,074.61	-877.85	-47.11	55.84	0.91	0.85	1.21
4,279.00	16.53	184.17	4,161.90	-903.51	-48.90	57.88	0.27	0.24	0.43
4,371.00	16.78	183.14	4,250.04	-929.82	-50.58	59.82	0.42	0.27	-1.12
4,462.00	15.57	182.33	4,337.43	-955.14	-51.79	61.29	1.35	-1.33	-0.89
4,553.00	15.22	181.69	4,425.17	-979.28	-52.64	62.38	0.43	-0.38	-0.70
4,644.00	15.99	186.21	4,512.82	-1,003.69	-54.35	64.33	1.58	0.85	4.97
4,735.00	14.93	183.30	4,600.53	-1,027.85	-56.38	66.60	1.44	-1.16	-3.20
4,781.00	14.95	187.34	4,644.97	-1,039.65	-57.48	67.82	2.26	0.04	8.78
Last SDI Surface MWD Survey									
4,827.00	14.92	198.48	4,689.43	-1,051.15	-60.11	70.57	6.23	-0.07	24.22
First SDI Curve MWD Survey									
4,872.00	17.76	208.96	4,732.61	-1,062.66	-65.28	75.84	9.07	6.31	23.29
4,918.00	20.05	221.37	4,776.15	-1,074.72	-73.89	84.58	10.03	4.98	26.98
4,963.00	22.34	228.29	4,818.11	-1,086.20	-85.37	96.18	7.53	5.09	15.38
5,009.00	24.63	234.12	4,860.30	-1,097.64	-99.67	110.59	7.09	4.98	12.67
5,054.00	26.82	240.81	4,900.85	-1,108.09	-116.14	127.16	8.08	4.87	14.87
5,100.00	28.34	246.63	4,941.63	-1,117.49	-135.22	146.33	6.72	3.30	12.65
5,145.00	31.61	249.52	4,980.60	-1,125.85	-156.08	167.28	7.94	7.27	6.42
5,191.00	34.02	252.51	5,019.26	-1,133.94	-179.65	190.93	6.31	5.24	6.50
5,236.00	37.11	257.14	5,055.87	-1,140.75	-204.91	216.24	9.10	6.87	10.29
5,282.00	39.67	260.55	5,091.93	-1,146.25	-232.93	244.32	7.22	5.57	7.41
5,328.00	43.31	261.63	5,126.38	-1,150.96	-263.03	274.47	8.06	7.91	2.35
5,373.00	45.20	264.79	5,158.61	-1,154.65	-294.20	305.68	6.45	4.20	7.02
5,419.00	48.71	266.61	5,190.01	-1,157.16	-327.72	339.22	8.16	7.63	3.96
5,465.00	55.02	267.66	5,218.40	-1,158.95	-363.84	375.35	13.83	13.72	2.28
5,510.00	58.31	268.37	5,243.12	-1,160.25	-401.41	412.93	7.43	7.31	1.58
5,556.00	62.04	268.82	5,266.00	-1,161.22	-441.29	452.82	8.15	8.11	0.98
5,602.00	67.56	269.41	5,285.58	-1,161.86	-482.90	494.43	12.06	12.00	1.28
5,647.00	72.02	270.57	5,301.12	-1,161.86	-525.11	536.65	10.20	9.91	2.58
5,693.00	76.67	272.02	5,313.53	-1,160.86	-569.38	580.90	10.55	10.11	3.15
5,738.00	81.43	273.12	5,322.07	-1,158.87	-613.50	625.00	10.85	10.58	2.44
5,784.00	86.08	272.62	5,327.08	-1,156.58	-659.16	670.64	10.17	10.11	-1.09
5,830.00	89.93	271.42	5,328.68	-1,154.96	-705.10	716.55	8.77	8.37	-2.61
5,859.00	90.57	271.24	5,328.55	-1,154.29	-734.09	745.53	2.29	2.21	-0.62
Last SDI Curve MWD Survey									
5,904.00	91.52	270.28	5,327.73	-1,153.69	-779.08	790.51	3.00	2.11	-2.13
First SDI Lateral MWD Survey									
5,906.00	91.56	270.24	5,327.68	-1,153.69	-781.07	792.51	3.02	2.12	-2.15
7" Casing @ 5906' MD									
5,956.00	92.62	269.16	5,325.85	-1,153.95	-831.04	842.48	3.02	2.12	-2.15
6,048.00	90.84	269.60	5,323.08	-1,154.94	-922.99	934.43	1.99	-1.93	0.48
6,139.00	92.12	269.14	5,320.73	-1,155.94	-1,013.95	1,025.40	1.49	1.41	-0.51

Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-04L #459H - Slot A1
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 #459H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
6,231.00	91.15	268.61	5,318.10	-1,157.75	-1,105.89	1,117.36	1.20	-1.05	-0.58	
6,322.00	91.92	268.37	5,315.66	-1,160.15	-1,196.83	1,208.31	0.89	0.85	-0.26	
6,414.00	90.67	268.17	5,313.58	-1,162.92	-1,288.76	1,300.27	1.38	-1.36	-0.22	
6,504.00	90.66	267.49	5,312.54	-1,166.33	-1,378.69	1,390.22	0.76	-0.01	-0.76	
6,595.00	90.66	267.40	5,311.49	-1,170.39	-1,469.59	1,481.16	0.10	0.00	-0.10	
6,687.00	90.34	266.62	5,310.69	-1,175.19	-1,561.46	1,573.08	0.92	-0.35	-0.85	
6,778.00	91.31	266.82	5,309.38	-1,180.39	-1,652.30	1,663.96	1.09	1.07	0.22	
6,867.00	91.88	268.15	5,306.90	-1,184.30	-1,741.18	1,752.88	1.63	0.64	1.49	
6,959.00	91.27	268.74	5,304.37	-1,186.79	-1,833.11	1,844.83	0.92	-0.66	0.64	
7,050.00	91.45	270.30	5,302.21	-1,187.55	-1,924.08	1,935.80	1.73	0.20	1.71	
7,141.00	91.80	268.63	5,299.63	-1,188.40	-2,015.04	2,026.76	1.87	0.38	-1.84	
7,232.00	93.39	269.43	5,295.51	-1,189.94	-2,105.93	2,117.66	1.96	1.75	0.88	
7,324.00	94.12	269.42	5,289.49	-1,190.86	-2,197.72	2,209.46	0.79	0.79	-0.01	
7,415.00	93.98	272.03	5,283.06	-1,189.71	-2,288.48	2,300.20	2.87	-0.15	2.87	
7,505.00	94.23	271.64	5,276.61	-1,186.84	-2,378.20	2,389.89	0.51	0.28	-0.43	
7,597.00	93.51	271.62	5,270.41	-1,184.23	-2,469.96	2,481.62	0.78	-0.78	-0.02	
7,688.00	92.80	271.36	5,265.40	-1,181.87	-2,560.79	2,572.42	0.83	-0.78	-0.29	
7,779.00	92.08	269.96	5,261.52	-1,180.82	-2,651.70	2,663.31	1.73	-0.79	-1.54	
7,870.00	92.45	269.02	5,257.93	-1,181.63	-2,742.62	2,754.24	1.11	0.41	-1.03	
7,961.00	93.28	268.19	5,253.38	-1,183.84	-2,833.48	2,845.11	1.29	0.91	-0.91	
8,052.00	92.22	267.63	5,249.01	-1,187.16	-2,924.31	2,935.98	1.32	-1.16	-0.62	
8,144.00	91.11	267.58	5,246.34	-1,191.00	-3,016.19	3,027.89	1.21	-1.21	-0.05	
8,235.00	91.44	267.65	5,244.31	-1,194.78	-3,107.09	3,118.82	0.37	0.36	0.08	
8,326.00	91.89	267.55	5,241.67	-1,198.59	-3,197.97	3,209.74	0.51	0.49	-0.11	
8,417.00	92.22	269.54	5,238.41	-1,200.90	-3,288.88	3,300.66	2.22	0.36	2.19	
8,508.00	90.77	272.34	5,236.03	-1,199.41	-3,379.82	3,391.59	3.46	-1.59	3.08	
8,599.00	90.67	271.86	5,234.89	-1,196.08	-3,470.75	3,482.48	0.54	-0.11	-0.53	
8,690.00	90.67	271.58	5,233.82	-1,193.34	-3,561.71	3,573.40	0.31	0.00	-0.31	
8,781.00	91.37	270.84	5,232.20	-1,191.42	-3,652.67	3,664.34	1.12	0.77	-0.81	
8,872.00	91.31	270.57	5,230.08	-1,190.30	-3,743.64	3,755.30	0.30	-0.07	-0.30	
8,963.00	91.14	270.60	5,228.13	-1,189.37	-3,834.61	3,846.26	0.19	-0.19	0.03	
9,054.00	91.88	270.65	5,225.73	-1,188.38	-3,925.58	3,937.20	0.82	0.81	0.05	
9,145.00	92.39	271.24	5,222.34	-1,186.88	-4,016.50	4,028.11	0.86	0.56	0.65	
9,236.00	91.18	271.23	5,219.51	-1,184.92	-4,107.43	4,119.02	1.33	-1.33	-0.01	
9,327.00	90.97	270.87	5,217.80	-1,183.26	-4,198.40	4,209.96	0.46	-0.23	-0.40	
9,418.00	91.42	269.72	5,215.90	-1,182.79	-4,289.38	4,300.93	1.36	0.49	-1.26	
9,509.00	92.26	268.77	5,212.98	-1,183.99	-4,380.32	4,391.88	1.39	0.92	-1.04	
9,601.00	90.67	271.02	5,210.63	-1,184.15	-4,472.28	4,483.84	2.99	-1.73	2.45	
9,692.00	92.04	270.25	5,208.48	-1,183.14	-4,563.25	4,574.79	1.73	1.51	-0.85	
9,783.00	90.04	269.95	5,206.83	-1,182.99	-4,654.23	4,665.77	2.22	-2.20	-0.33	
9,874.00	91.04	266.63	5,205.97	-1,185.70	-4,745.17	4,756.73	3.81	1.10	-3.65	
9,965.00	93.23	266.83	5,202.58	-1,190.89	-4,835.95	4,847.56	2.42	2.41	0.22	
10,056.00	91.37	268.74	5,198.93	-1,194.40	-4,926.80	4,938.44	2.93	-2.04	2.10	

Company:	WPX Energy	Local Co-ordinate Reference:	Well Chaco 2308-04L #459H - Slot A1
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 #459H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,148.00	91.11	268.22	5,196.93	-1,196.84	-5,018.75	5,030.41	0.63	-0.28	-0.57
10,239.00	91.21	268.96	5,195.09	-1,199.08	-5,109.70	5,121.38	0.82	0.11	0.81
10,330.00	90.20	268.57	5,193.97	-1,201.04	-5,200.67	5,212.36	1.19	-1.11	-0.43
10,421.00	90.81	268.41	5,193.17	-1,203.44	-5,291.64	5,303.35	0.69	0.67	-0.18
10,438.00	90.93	268.37	5,192.91	-1,203.92	-5,308.63	5,320.34	0.72	0.68	-0.22
RSI @ 10,438' MD									
10,494.00	91.31	268.25	5,191.82	-1,205.57	-5,364.59	5,376.32	0.72	0.68	-0.22
Last SDI Lateral MWD Survey									
10,554.00	91.30	268.25	5,190.45	-1,207.40	-5,424.55	5,436.29	0.02	-0.02	0.00
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
75.00	75.00	-0.13	-0.12	First Native Navigation Gyro Survey
357.00	356.95	-2.97	-4.00	Last Native Navigation Gyro Survey
496.00	495.89	-4.93	-7.43	First SDI Surface MWD Survey
4,781.00	4,644.97	-1,039.65	-57.48	Last SDI Surface MWD Survey
4,827.00	4,689.43	-1,051.15	-60.11	First SDI Curve MWD Survey
5,859.00	5,328.55	-1,154.29	-734.09	Last SDI Curve MWD Survey
5,904.00	5,327.73	-1,153.69	-779.08	First SDI Lateral MWD Survey
5,906.00	5,327.68	-1,153.69	-781.07	7" Casing @ 5906' MD
10,438.00	5,192.91	-1,203.92	-5,308.63	RSI @ 10,438' MD
10,494.00	5,191.82	-1,205.57	-5,364.59	Last SDI Lateral MWD Survey
10,554.00	5,190.45	-1,207.40	-5,424.55	Projection to TD

Checked By: _____ Approved By: _____ Date: _____



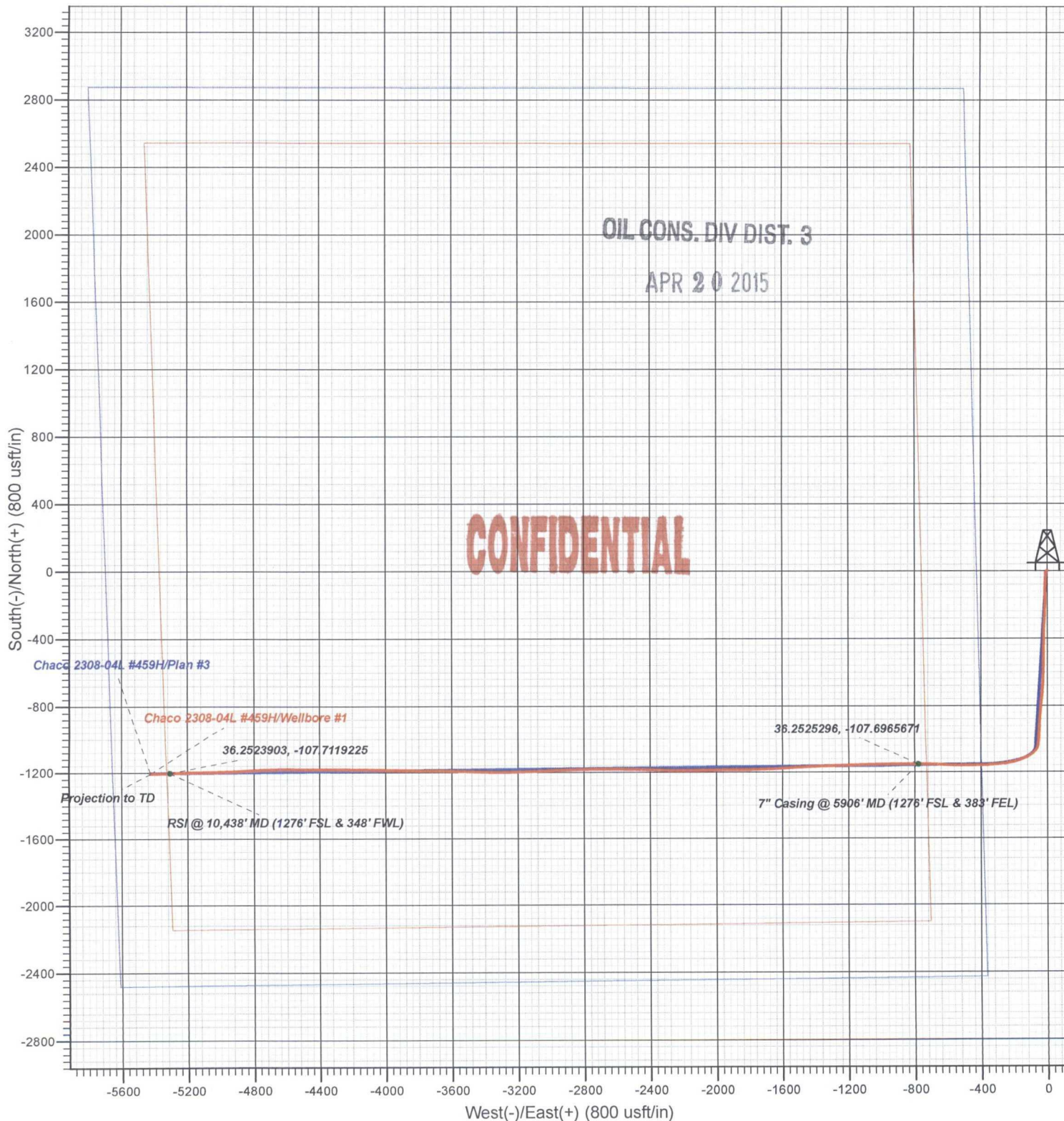
Scientific Drilling

Company: WPX Energy
Project: T23N R8W
Site: Chaco 2308-04L



Well Details: Chaco 2308-04L #459H

+N/-S	+E/-W	TVD Reference: GL 6868' & RKB 25' @ 6893.00usft (Aztec 1000)		Latitude	Longitude	Slot
0.00	0.00	Northing	Easting			A1
		1912346.00	541104.76	36.2556990	-107.6939180	



Plan: Wellbore #1

17:19, April 02 2015

Created By: Janie Collins