

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

*API Number 30-043-21243	*Pool Code 42289	*Pool Name LYBROOK GALLUP
*Property Code 314331	*Property Name S CHACO UT	*Well Number 342H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 7034'

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
A	2	22N	7W	1	1327	NORTH	200	EAST	SANDOVAL

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
H	1	22N	7W		2322	NORTH	341	EAST	SANDOVAL
¹² Dedicated Acres 160.00 S/2 N/2 Section 1					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-13883-A		

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

SURFACE LOCATION
1327' FNL 200' FEL
SEC 2, T22N, R7W
LAT: 36.172052°N
LONG: 107.535526°W
DATUM: NAD1927
LAT: 36.172067°N
LONG: 107.536132°W
DATUM: NAD1983

POINT-OF-ENTRY
1608' FNL 375' FWL
SEC 1, T22N, R7W
LAT: 36.171283°N
LONG: 107.533585°W
DATUM: NAD1927
LAT: 36.171298°N
LONG: 107.534191°W
DATUM: NAD1983

RSI TOOL
2319' FNL 356' FEL
SEC 1, T22N, R7W
LAT: 36.169379°N
LONG: 107.518178°W
DATUM: NAD1927
LAT: 36.169394°N
LONG: 107.518784°W
DATUM: NAD1983

END-OF-LATERAL
2322' FNL 341' FEL
SEC 1, T22N, R7W
LAT: 36.169372°N
LONG: 107.518128°W
DATUM: NAD1927
LAT: 36.169386°N
LONG: 107.518734°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 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: 8/12/15

Printed Name: Marie E. Jaramillo
E-mail Address: marie.jaramillo@wpenergy.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.

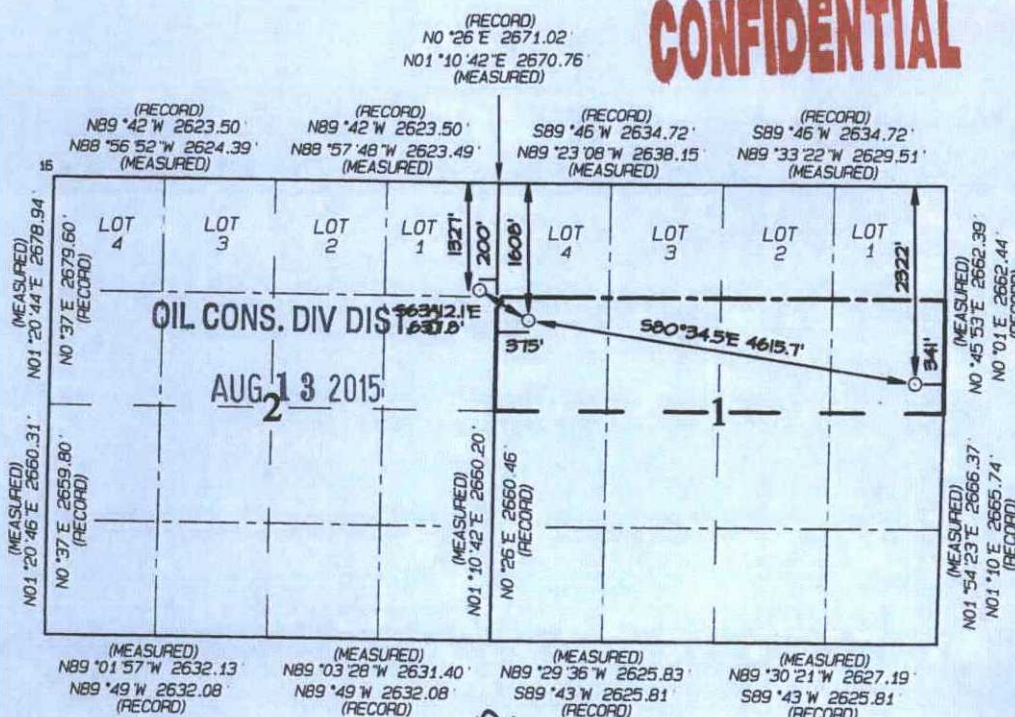
Date Revised: AUGUST 12, 2015
Survey Date: AUGUST 15, 2014

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

CONFIDENTIAL



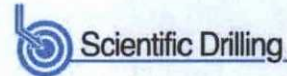
RV

OIL CONS. DIV DIST. 3

AUG 13 2015



Company Name: WPX Energy
Project: T22N R7W
Site: Chaco 2207-02A
Well: S Chaco UT #342H



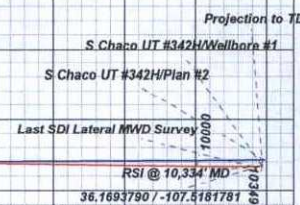
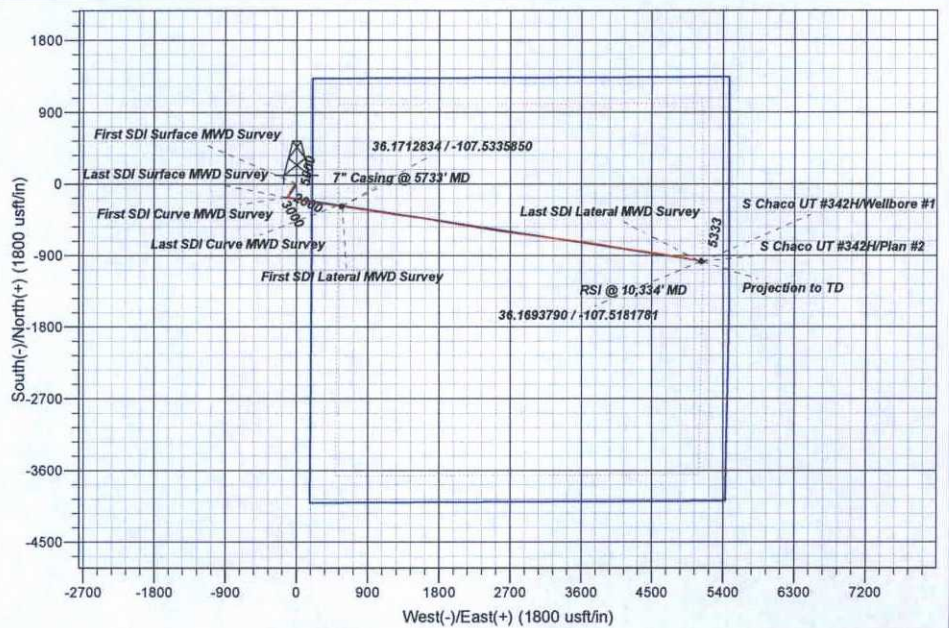
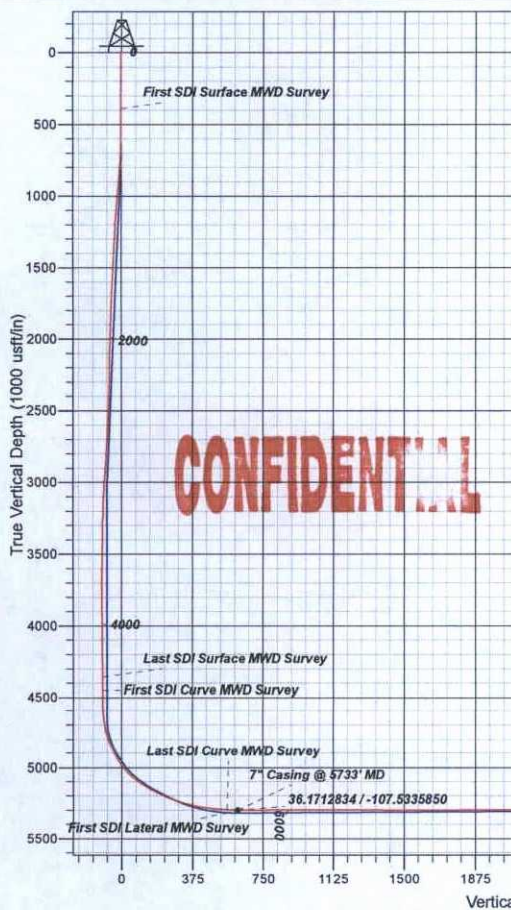
Azimuths to True North
Magnetic North: 9.08°

Magnetic Field
Strength: 49762.4nT
Dip Angle: 62.92°
Date: 7/24/2015
Model: HDGM

WELL DETAILS: S Chaco UT #342H

GL 7034' & RKB 25' @ 7059.00usft (Aztec 1000)		7034.00			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1882002.91	587898.10	36.1720524	-107.5355261

A3



Design: Wellbore #1 (S Chaco UT #342H/Wellbore #1)
Created By: Janie Collins Date: 16:01, August 03 2015

PROJECT DETAILS: T22N R7W

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003

System Datum: Mean Sea Level
Local North: True



Company:	WPX Energy	Local Co-ordinate Reference:	Well S Chaco UT #342H - Slot A3
Project:	T22N R7W	TVD Reference:	GL 7034' & RKB 25' @ 7059.00usft (Aztec 1000)
Site:	Chaco 2207-02A	MD Reference:	GL 7034' & RKB 25' @ 7059.00usft (Aztec 1000)
Well:	S Chaco UT #342H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Project	T22N R7W		
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 2207-02A			
Site Position:		Northing:	1,881,980.93 usft	Latitude:	36.1719920
From:	Map	Easting:	587,898.06 usft	Longitude:	-107.5355265
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.18 °

Well	S Chaco UT #342H - Slot A3					
Well Position	+N/-S	0.00 usft	Northing:	1,882,002.91 usft	Latitude:	36.1720524
	+E/-W	0.00 usft	Easting:	587,898.11 usft	Longitude:	-107.5355261
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	7,034.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	7/24/2015	9.08	62.92	49,762

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	100.75	

Survey Program		Date	8/3/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
25.00	315.00	Survey #1 (Wellbore #1)	GYRO-NS	Gyrocompass Gyro	
388.00	4,368.00	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD	SDI MWD - Standard ver 1.0.1	
4,459.00	5,677.00	Survey #3 - Curve MWD Survey (Wellbore	SDI MWD	SDI MWD - Standard ver 1.0.1	
5,740.00	10,349.00	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	1,882,002.91	587,898.11	36.1720524	-107.5355261
25.00	0.00	0.00	25.00	0.00	0.00	1,882,002.91	587,898.11	36.1720524	-107.5355261
55.00	0.24	297.31	55.00	0.03	-0.06	1,882,002.94	587,898.05	36.1720524	-107.5355263
85.00	0.32	302.53	85.00	0.10	-0.18	1,882,003.01	587,897.92	36.1720526	-107.5355268
115.00	0.30	277.60	115.00	0.16	-0.33	1,882,003.07	587,897.77	36.1720528	-107.5355273
145.00	0.24	299.88	145.00	0.20	-0.46	1,882,003.11	587,897.64	36.1720529	-107.5355277
175.00	0.08	267.38	175.00	0.23	-0.54	1,882,003.14	587,897.57	36.1720530	-107.5355280
205.00	0.07	20.39	205.00	0.25	-0.55	1,882,003.16	587,897.55	36.1720530	-107.5355280
235.00	0.14	58.42	235.00	0.28	-0.52	1,882,003.19	587,897.59	36.1720531	-107.5355279

Company:	WPX Energy	Local Co-ordinate Reference:	Well S Chaco UT #342H - Slot A3
Project:	T22N R7W	TVD Reference:	GL 7034' & RKB 25' @ 7059.00usft (Aztec 1000)
Site:	Chaco 2207-02A	MD Reference:	GL 7034' & RKB 25' @ 7059.00usft (Aztec 1000)
Well:	S Chaco UT #342H	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	0.15	66.18	265.00	0.32	-0.45	1,882,003.23	587,897.66	36.1720532	-107.5355277
295.00	0.21	84.37	295.00	0.34	-0.36	1,882,003.25	587,897.75	36.1720533	-107.5355274
315.00	0.37	107.18	315.00	0.32	-0.26	1,882,003.23	587,897.85	36.1720533	-107.5355270
388.00	0.60	104.42	388.00	0.16	0.34	1,882,003.07	587,898.44	36.1720528	-107.5355250
First SDI Surface MWD Survey									
450.00	0.10	30.98	449.99	0.12	0.68	1,882,003.04	587,898.78	36.1720527	-107.5355238
541.00	1.48	246.22	540.98	-0.28	-0.36	1,882,002.63	587,897.75	36.1720516	-107.5355274
632.00	1.44	252.26	631.96	-1.10	-2.52	1,882,001.80	587,895.59	36.1720493	-107.5355347
723.00	2.27	233.39	722.91	-2.53	-5.06	1,882,000.37	587,893.06	36.1720454	-107.5355433
814.00	4.73	231.77	813.73	-5.92	-9.45	1,881,996.96	587,888.67	36.1720361	-107.5355582
905.00	6.49	227.76	904.29	-11.70	-16.21	1,881,991.16	587,881.94	36.1720202	-107.5355811
996.00	6.24	231.06	994.73	-18.27	-23.86	1,881,984.57	587,874.30	36.1720022	-107.5356070
1,087.00	7.22	218.04	1,085.11	-25.88	-31.23	1,881,976.93	587,866.95	36.1719813	-107.5356320
1,178.00	7.00	209.99	1,175.41	-35.19	-37.53	1,881,967.61	587,860.69	36.1719557	-107.5356533
1,269.00	7.19	208.78	1,265.71	-44.98	-43.04	1,881,957.80	587,855.20	36.1719288	-107.5356720
1,361.00	7.41	206.43	1,356.97	-55.34	-48.45	1,881,947.42	587,849.82	36.1719003	-107.5356903
1,452.00	6.39	214.93	1,447.31	-64.75	-53.96	1,881,938.00	587,844.34	36.1718745	-107.5357090
1,543.00	6.35	210.95	1,537.75	-73.22	-59.45	1,881,929.51	587,838.88	36.1718512	-107.5357276
1,634.00	4.36	214.04	1,628.35	-80.40	-63.98	1,881,922.32	587,834.38	36.1718315	-107.5357429
1,725.00	4.60	215.79	1,719.07	-86.22	-68.05	1,881,916.48	587,830.32	36.1718155	-107.5357567
1,816.00	4.52	218.87	1,809.78	-91.98	-72.43	1,881,910.71	587,825.96	36.1717997	-107.5357715
1,907.00	5.57	203.54	1,900.43	-98.82	-76.45	1,881,903.86	587,821.96	36.1717809	-107.5357851
1,999.00	5.93	205.58	1,991.97	-107.20	-80.28	1,881,895.47	587,818.15	36.1717579	-107.5357981
2,090.00	5.10	199.34	2,082.55	-115.25	-83.65	1,881,887.40	587,814.81	36.1717357	-107.5358096
2,181.00	4.51	200.26	2,173.23	-122.43	-86.23	1,881,880.22	587,812.25	36.1717160	-107.5358183
2,272.00	4.44	202.04	2,263.95	-129.05	-88.79	1,881,873.59	587,809.71	36.1716978	-107.5358270
2,364.00	4.40	202.33	2,355.68	-135.61	-91.47	1,881,867.02	587,807.06	36.1716798	-107.5358360
2,456.00	4.30	217.23	2,447.41	-141.62	-94.89	1,881,861.00	587,803.65	36.1716633	-107.5358477
2,547.00	3.76	216.08	2,538.19	-146.75	-98.72	1,881,855.86	587,799.84	36.1716492	-107.5358606
2,638.00	4.85	220.09	2,628.93	-152.11	-102.95	1,881,850.49	587,795.62	36.1716345	-107.5358749
2,730.00	4.89	222.62	2,720.60	-157.97	-108.11	1,881,844.61	587,790.48	36.1716184	-107.5358924
2,821.00	4.78	224.35	2,811.28	-163.53	-113.39	1,881,839.03	587,785.22	36.1716031	-107.5359103
2,912.00	4.41	222.85	2,901.98	-168.81	-118.42	1,881,833.74	587,780.21	36.1715886	-107.5359273
3,002.00	4.00	236.88	2,991.74	-173.06	-123.40	1,881,829.47	587,775.24	36.1715769	-107.5359442
3,093.00	3.03	238.75	3,082.57	-176.04	-128.11	1,881,826.48	587,770.53	36.1715687	-107.5359602
3,184.00	1.52	233.57	3,173.50	-178.01	-131.14	1,881,824.50	587,767.51	36.1715633	-107.5359705
3,275.00	0.56	277.46	3,264.48	-178.67	-132.55	1,881,823.84	587,766.10	36.1715615	-107.5359752
3,366.00	0.76	297.18	3,355.48	-178.33	-133.53	1,881,824.17	587,765.12	36.1715625	-107.5359786
3,457.00	0.93	314.68	3,446.47	-177.54	-134.59	1,881,824.96	587,764.06	36.1715646	-107.5359822
3,548.00	0.72	356.01	3,537.46	-176.45	-135.16	1,881,826.05	587,763.49	36.1715676	-107.5359841
3,640.00	1.04	349.60	3,629.45	-175.05	-135.35	1,881,827.45	587,763.29	36.1715715	-107.5359847
3,731.00	1.42	9.05	3,720.43	-173.13	-135.32	1,881,829.37	587,763.32	36.1715768	-107.5359846
3,822.00	0.82	34.82	3,811.41	-171.48	-134.77	1,881,831.02	587,763.86	36.1715813	-107.5359828
3,913.00	1.13	27.01	3,902.39	-170.14	-133.99	1,881,832.36	587,764.64	36.1715850	-107.5359801
4,003.00	0.32	104.73	3,992.39	-169.42	-133.35	1,881,833.09	587,765.28	36.1715870	-107.5359779
4,094.00	0.24	146.59	4,083.39	-169.64	-133.00	1,881,832.86	587,765.63	36.1715863	-107.5359767
4,185.00	0.17	138.70	4,174.39	-169.90	-132.80	1,881,832.60	587,765.83	36.1715856	-107.5359761
4,276.00	0.46	95.09	4,265.38	-170.03	-132.35	1,881,832.47	587,766.28	36.1715853	-107.5359745
4,368.00	0.48	108.44	4,357.38	-170.19	-131.61	1,881,832.32	587,767.01	36.1715848	-107.5359721
Last SDI Surface MWD Survey									
4,459.00	0.18	135.65	4,448.38	-170.41	-131.15	1,881,832.10	587,767.48	36.1715842	-107.5359705
First SDI Curve MWD Survey									
4,550.00	0.56	122.10	4,539.38	-170.75	-130.68	1,881,831.76	587,767.95	36.1715833	-107.5359689
4,596.00	0.61	116.73	4,585.38	-170.98	-130.27	1,881,831.53	587,768.36	36.1715827	-107.5359675
4,612.00	1.48	104.99	4,601.37	-171.07	-129.99	1,881,831.44	587,768.64	36.1715824	-107.5359666

Company:	WPX Energy	Local Co-ordinate Reference:	Well S Chaco UT #342H - Slot A3
Project:	T22N R7W	TVD Reference:	GL 7034' & RKB 25' @ 7059.00usft (Aztec 1000)
Site:	Chaco 2207-02A	MD Reference:	GL 7034' & RKB 25' @ 7059.00usft (Aztec 1000)
Well:	S Chaco UT #342H	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
4,641.00	3.08	100.80	4,630.35	-171.31	-128.86	1,881,831.20	587,769.77	36.1715817	-107.5359627
4,687.00	6.33	93.99	4,676.19	-171.72	-125.12	1,881,830.81	587,773.51	36.1715806	-107.5359501
4,732.00	9.29	89.66	4,720.77	-171.87	-119.01	1,881,830.67	587,779.62	36.1715802	-107.5359294
4,778.00	12.24	92.74	4,765.95	-172.09	-110.43	1,881,830.49	587,788.21	36.1715796	-107.5359003
4,823.00	14.74	95.11	4,809.71	-172.82	-99.96	1,881,829.78	587,798.68	36.1715776	-107.5358648
4,869.00	17.86	100.04	4,853.86	-174.57	-87.18	1,881,828.07	587,811.46	36.1715728	-107.5358215
4,914.00	20.57	104.07	4,896.35	-177.70	-72.71	1,881,824.99	587,825.94	36.1715642	-107.5357725
4,960.00	24.80	105.57	4,938.78	-182.26	-55.57	1,881,820.49	587,843.09	36.1715517	-107.5357144
5,005.00	29.09	104.29	4,978.88	-187.49	-35.87	1,881,815.31	587,862.81	36.1715373	-107.5356477
5,051.00	33.88	100.25	5,018.10	-192.54	-12.40	1,881,810.34	587,886.29	36.1715234	-107.5355682
5,096.00	38.13	101.49	5,054.50	-197.54	13.57	1,881,805.42	587,912.28	36.1715097	-107.5354802
5,142.00	42.76	102.70	5,089.50	-203.80	42.73	1,881,799.24	587,941.46	36.1714925	-107.5353814
5,187.00	48.59	102.27	5,120.93	-210.75	74.15	1,881,792.39	587,972.90	36.1714734	-107.5352749
5,233.00	53.55	99.70	5,149.83	-217.54	109.27	1,881,785.71	588,008.04	36.1714547	-107.5351559
5,278.00	57.37	97.19	5,175.34	-222.97	145.93	1,881,780.39	588,044.72	36.1714398	-107.5350317
5,324.00	58.87	96.20	5,199.63	-227.52	184.72	1,881,775.96	588,083.52	36.1714273	-107.5349003
5,369.00	64.23	97.82	5,221.06	-232.36	223.97	1,881,771.24	588,122.79	36.1714140	-107.5347673
5,415.00	67.37	99.46	5,239.92	-238.67	265.44	1,881,765.06	588,164.28	36.1713967	-107.5346268
5,461.00	70.55	98.78	5,256.43	-245.47	307.83	1,881,758.39	588,206.69	36.1713780	-107.5344832
5,506.00	74.09	97.63	5,270.10	-251.58	350.26	1,881,752.41	588,249.13	36.1713612	-107.5343395
5,552.00	78.47	96.57	5,281.01	-257.10	394.59	1,881,747.02	588,293.48	36.1713461	-107.5341892
5,597.00	81.89	97.25	5,288.68	-262.44	438.60	1,881,741.82	588,337.51	36.1713314	-107.5340401
5,643.00	84.28	97.44	5,294.22	-268.27	483.89	1,881,736.12	588,382.82	36.1713154	-107.5338867
5,677.00	86.07	96.97	5,297.08	-272.52	517.50	1,881,731.98	588,416.44	36.1713037	-107.5337728
Last SDI Curve MWD Survey									
5,733.00	88.43	98.23	5,299.77	-279.92	572.94	1,881,724.75	588,471.90	36.1712834	-107.5335850
7" Casing @ 5733' MD - 36.1712834 / -107.5335850									
5,740.00	88.72	98.39	5,299.94	-280.93	579.86	1,881,723.76	588,478.83	36.1712806	-107.5335615
First SDI Lateral MWD Survey									
5,776.00	90.24	99.20	5,300.27	-286.44	615.44	1,881,718.36	588,514.42	36.1712655	-107.5334410
5,856.00	90.17	98.62	5,299.98	-298.83	694.47	1,881,706.22	588,593.49	36.1712314	-107.5331732
5,945.00	90.17	98.84	5,299.72	-312.34	782.44	1,881,692.98	588,681.50	36.1711943	-107.5328752
6,037.00	90.20	98.29	5,299.42	-326.04	873.41	1,881,679.56	588,772.52	36.1711567	-107.5325670
6,128.00	89.97	98.58	5,299.28	-339.39	963.43	1,881,666.48	588,862.57	36.1711200	-107.5322620
6,220.00	90.00	98.76	5,299.31	-353.25	1,054.38	1,881,652.89	588,953.56	36.1710819	-107.5319539
6,311.00	90.23	98.60	5,299.13	-366.99	1,144.34	1,881,639.44	589,043.56	36.1710441	-107.5316491
6,402.00	90.43	98.60	5,298.60	-380.59	1,234.31	1,881,626.11	589,133.58	36.1710067	-107.5313443
6,493.00	89.60	98.64	5,298.58	-394.23	1,324.28	1,881,612.74	589,223.59	36.1709693	-107.5310394
6,585.00	89.25	97.59	5,299.50	-407.22	1,415.35	1,881,600.04	589,314.70	36.1709336	-107.5307309
6,677.00	89.16	96.97	5,300.78	-418.88	1,506.60	1,881,588.66	589,405.99	36.1709015	-107.5304217
6,768.00	90.10	99.36	5,301.37	-431.80	1,596.67	1,881,576.01	589,496.10	36.1708660	-107.5301166
6,859.00	91.28	99.93	5,300.27	-447.04	1,686.38	1,881,561.04	589,585.85	36.1708241	-107.5298127
6,951.00	91.18	99.31	5,298.29	-462.42	1,777.06	1,881,545.95	589,676.58	36.1707819	-107.5295054
7,042.00	89.80	99.07	5,297.52	-476.95	1,866.89	1,881,531.69	589,766.45	36.1707419	-107.5292011
7,133.00	89.16	99.52	5,298.34	-491.65	1,956.69	1,881,517.27	589,856.29	36.1707016	-107.5288969
7,223.00	89.40	99.34	5,299.47	-506.39	2,045.47	1,881,502.80	589,945.12	36.1706610	-107.5285961
7,313.00	89.20	99.63	5,300.57	-521.22	2,134.23	1,881,488.24	590,033.92	36.1706203	-107.5282954
7,404.00	89.73	99.68	5,301.42	-536.48	2,223.94	1,881,473.26	590,123.68	36.1705783	-107.5279914
7,496.00	89.06	99.54	5,302.39	-551.84	2,314.64	1,881,458.18	590,214.43	36.1705361	-107.5276841
7,587.00	89.78	99.52	5,303.31	-566.90	2,404.38	1,881,443.39	590,304.21	36.1704947	-107.5273801
7,678.00	89.16	99.38	5,304.16	-581.84	2,494.14	1,881,428.72	590,394.02	36.1704536	-107.5270760
7,769.00	88.99	97.85	5,305.63	-595.47	2,584.10	1,881,415.37	590,484.02	36.1704162	-107.5267712
7,860.00	89.33	97.51	5,306.96	-607.63	2,674.27	1,881,403.49	590,574.23	36.1703828	-107.5264657
7,951.00	90.75	98.56	5,306.90	-620.35	2,764.37	1,881,391.04	590,664.37	36.1703478	-107.5261605
8,042.00	89.78	97.50	5,306.48	-633.06	2,854.48	1,881,378.61	590,754.51	36.1703128	-107.5258552

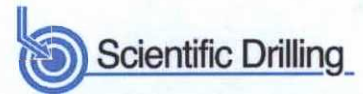
Company:	WPX Energy	Local Co-ordinate Reference:	Well S Chaco UT #342H - Slot A3
Project:	T22N R7W	TVD Reference:	GL 7034' & RKB 25' @ 7059.00usft (Aztec 1000)
Site:	Chaco 2207-02A	MD Reference:	GL 7034' & RKB 25' @ 7059.00usft (Aztec 1000)
Well:	S Chaco UT #342H	North Reference:	True
Wellbore:	Wellbore #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
8,133.00	90.17	97.24	5,306.52	-644.74	2,944.73	1,881,367.21	590,844.80	36.1702808	-107.5255494
8,224.00	90.00	97.16	5,306.38	-656.14	3,035.01	1,881,356.08	590,935.11	36.1702494	-107.5252436
8,315.00	90.50	97.35	5,305.98	-667.63	3,125.28	1,881,344.87	591,025.42	36.1702178	-107.5249377
8,406.00	89.90	97.05	5,305.67	-679.04	3,215.56	1,881,333.74	591,115.73	36.1701864	-107.5246319
8,497.00	89.16	97.36	5,306.41	-690.45	3,305.84	1,881,322.61	591,206.05	36.1701551	-107.5243260
8,589.00	89.29	97.80	5,307.66	-702.59	3,397.03	1,881,310.75	591,297.27	36.1701217	-107.5240171
8,680.00	89.29	98.06	5,308.78	-715.14	3,487.15	1,881,298.47	591,387.43	36.1700872	-107.5237117
8,771.00	89.06	97.81	5,310.09	-727.70	3,577.27	1,881,286.19	591,477.59	36.1700526	-107.5234064
8,862.00	89.37	97.53	5,311.34	-739.85	3,667.45	1,881,274.32	591,567.80	36.1700192	-107.5231009
8,952.00	89.43	97.85	5,312.28	-751.89	3,756.63	1,881,262.55	591,657.03	36.1699861	-107.5227988
9,043.00	88.72	100.40	5,313.75	-766.32	3,846.46	1,881,248.40	591,746.90	36.1699465	-107.5224944
9,134.00	89.12	99.47	5,315.47	-782.01	3,936.08	1,881,232.98	591,836.56	36.1699033	-107.5221908
9,225.00	89.40	98.74	5,316.64	-796.41	4,025.92	1,881,218.85	591,926.45	36.1698637	-107.5218864
9,317.00	88.69	98.98	5,318.18	-810.58	4,116.81	1,881,204.97	592,017.39	36.1698248	-107.5215785
9,408.00	88.05	98.13	5,320.77	-824.11	4,206.76	1,881,191.71	592,107.38	36.1697876	-107.5212738
9,499.00	88.29	97.80	5,323.67	-836.72	4,296.84	1,881,179.38	592,197.49	36.1697529	-107.5209686
9,589.00	88.52	98.77	5,326.18	-849.68	4,385.86	1,881,166.69	592,286.55	36.1697172	-107.5206670
9,681.00	89.87	97.68	5,327.47	-862.84	4,476.90	1,881,153.81	592,377.64	36.1696811	-107.5203585
9,772.00	89.26	98.75	5,328.16	-875.84	4,566.97	1,881,141.09	592,467.74	36.1696453	-107.5200534
9,863.00	88.81	99.43	5,329.69	-890.22	4,656.81	1,881,126.99	592,557.62	36.1696058	-107.5197490
9,954.00	89.03	100.00	5,331.41	-905.57	4,746.49	1,881,111.91	592,647.35	36.1695635	-107.5194452
10,045.00	88.89	100.02	5,333.06	-921.38	4,836.09	1,881,096.37	592,737.00	36.1695201	-107.5191417
10,136.00	90.30	100.33	5,333.70	-937.46	4,925.65	1,881,080.57	592,826.61	36.1694759	-107.5188382
10,182.00	90.10	100.15	5,333.54	-945.64	4,970.92	1,881,072.53	592,871.90	36.1694534	-107.5186849
10,298.00	90.31	100.31	5,333.13	-966.24	5,085.07	1,881,052.28	592,986.12	36.1693967	-107.5182981
Last SDI Lateral MWD Survey									
10,334.00	90.31	100.31	5,332.93	-972.68	5,120.49	1,881,045.95	593,021.56	36.1693790	-107.5181781
RSI @ 10,334' MD - 36.1693790 / -107.5181781									
10,349.00	90.31	100.31	5,332.85	-975.37	5,135.25	1,881,043.31	593,036.32	36.1693716	-107.5181282
Projection to TD									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
TD / PBHL #342H	0.00	0.00	5,285.00	-972.79	5,146.14	1,881,045.91	593,047.20	36.1693787	-107.5180913
- hit/miss target									
- Shape									
- Point									
- actual wellpath misses target center by 49.14usft at 10349.00usft MD (5332.85 TVD, -975.37 N, 5135.25 E)									
POE #342H	0.00	0.00	5,321.00	-275.59	577.97	1,881,729.09	588,476.92	36.1712952	-107.5335679
- hit/miss target									
- Shape									
- Point									
- actual wellpath misses target center by 21.70usft at 5737.88usft MD (5299.89 TVD, -280.63 N, 577.77 E)									



Survey Report - Geographic



Company:	WPX Energy	Local Co-ordinate Reference:	Well S Chaco UT #342H - Slot A3
Project:	T22N R7W	TVD Reference:	GL 7034' & RKB 25' @ 7059.00usft (Aztec 1000)
Site:	Chaco 2207-02A	MD Reference:	GL 7034' & RKB 25' @ 7059.00usft (Aztec 1000)
Well:	S Chaco UT #342H	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)	
388.00	388.00	0.16	0.34	First SDI Surface MWD Survey
4,368.00	4,357.38	-170.19	-131.61	Last SDI Surface MWD Survey
4,459.00	4,448.38	-170.41	-131.15	First SDI Curve MWD Survey
5,677.00	5,297.08	-272.52	517.50	Last SDI Curve MWD Survey
5,733.00	5,299.77	-279.92	572.94	7" Casing @ 5733' MD
5,733.00	5,299.77	-279.92	572.94	36.1712834 / -107.5335850
5,740.00	5,299.94	-280.93	579.86	First SDI Lateral MWD Survey
10,298.00	5,333.13	-966.24	5,085.07	Last SDI Lateral MWD Survey
10,334.00	5,332.93	-972.68	5,120.49	RSI @ 10,334' MD
10,334.00	5,332.93	-972.68	5,120.49	36.1693790 / -107.5181781
10,349.00	5,332.85	-975.37	5,135.25	Projection to TD

Checked By: _____ Approved By: _____ Date: _____