

District I
1625 N. French Drive, Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505

☐ AMENDED REPORT

AS DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35739	*Pool Code 98157	*Pool Name LYBROOK MANCOS W
*Property Code 315250	*Property Name W LYBROOK UNIT	*Well Number 707H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6733'

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
P	12	23N	9W		877	SOUTH	366	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
C	12	23N	9W		339	NORTH	2325	WEST	SAN JUAN
¹² Dedicated Acres 239.81 NW/4 SW/4 (Section 7) NE/4 NW/4, NW/4 NE/4 S/2 NE/4, NE/4 SE/4 (Section 12)					¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14051 - 12,807.24 Acres		

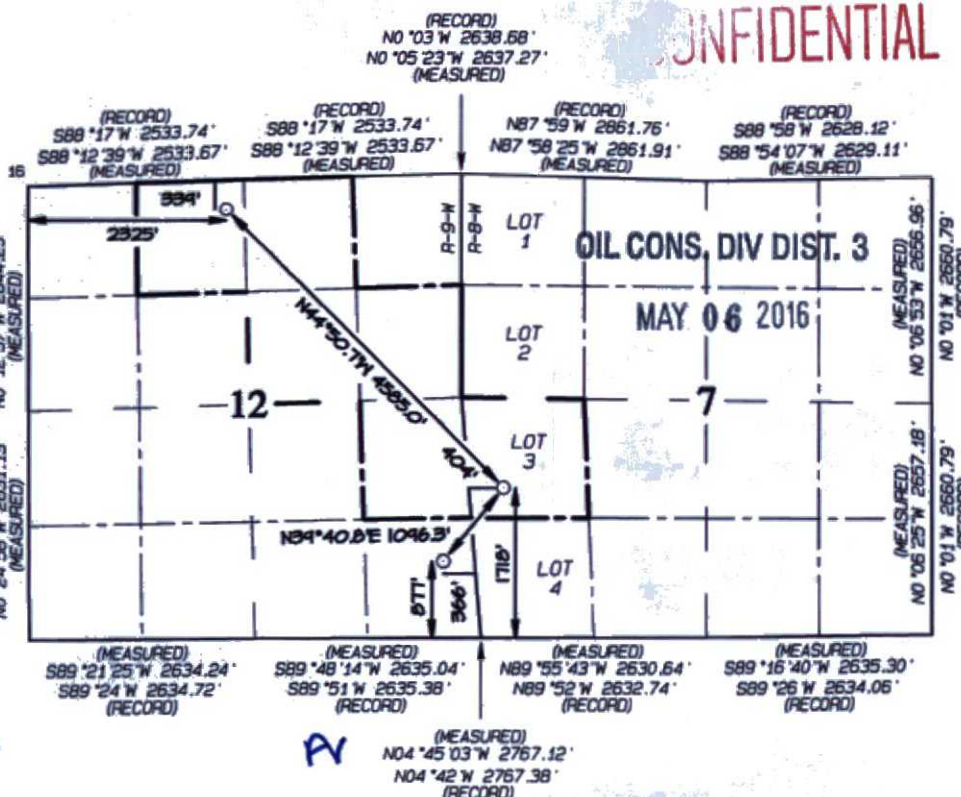
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION
UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A
NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

END-OF-LATERAL
339' FNL 2325' FNL
SECTION 12, T23N, R9W
LAT: 36.247879° N
LONG: 107.740856° W
DATUM: NAD1927
LAT: 36.247892° N
LONG: 107.741469° W
DATUM: NAD1983

RSI TOOL
418' FNL 2408' FNL
SECTION 12, T23N, R9W
LAT: 36.247670° N
LONG: 107.740572° W
DATUM: NAD1927
LAT: 36.247683° N
LONG: 107.741186° W
DATUM: NAD1983

SURFACE LOCATION
877' FSL 366' FEL
SECTION 12, T23N, R9W
LAT: 36.236624° N
LONG: 107.732279° W
DATUM: NAD1927
LAT: 36.236637° N
LONG: 107.732892° W
DATUM: NAD1983

POINT-OF-ENTRY
1718' FSL 404' FNL
SECTION 7, T23N, R9W
LAT: 36.238940° N
LONG: 107.729902° W
DATUM: NAD1927
LAT: 36.238952° N
LONG: 107.730515° W
DATUM: NAD1983



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¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Signature
Lacey Granillo
Printed Name
lacey.granillo@wpxenergy.com
E-mail Address

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my belief.

Date Revised: MAY 3, 2016
Date of Survey: MAY 18, 2015

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269

WPX ENERGYSM



WPX Energy

T23N R9W

W Lybrook 2309-12P

W Lybrook UT #707H - Slot A6

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

29 April, 2016

CONFIDENTIAL



Scientific Drilling

www.scientificdrilling.com



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Scientific Drilling





Company Name: WPX Energy
Project: T23N R9W
Site: W Lybrook 2309-12P
Well: W Lybrook UT #707H

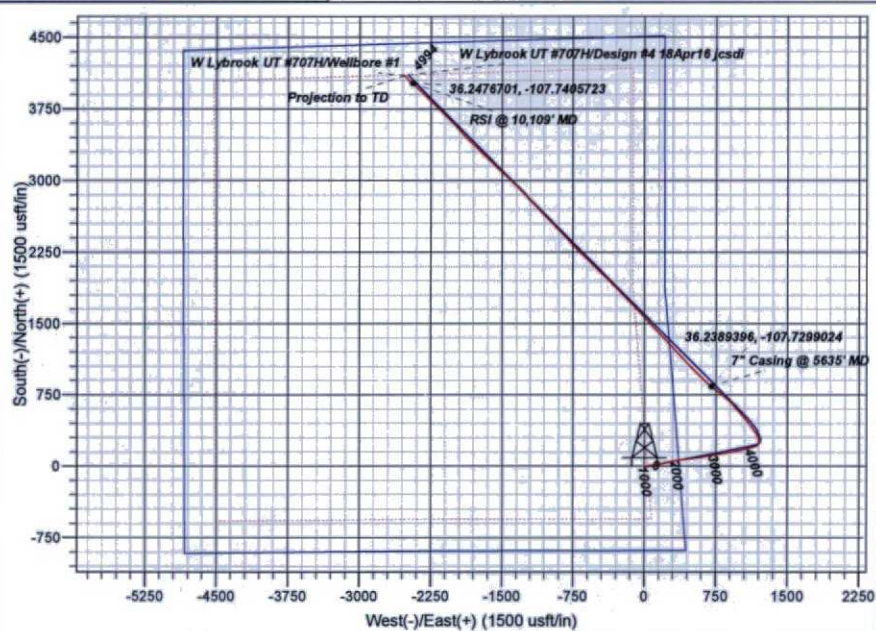
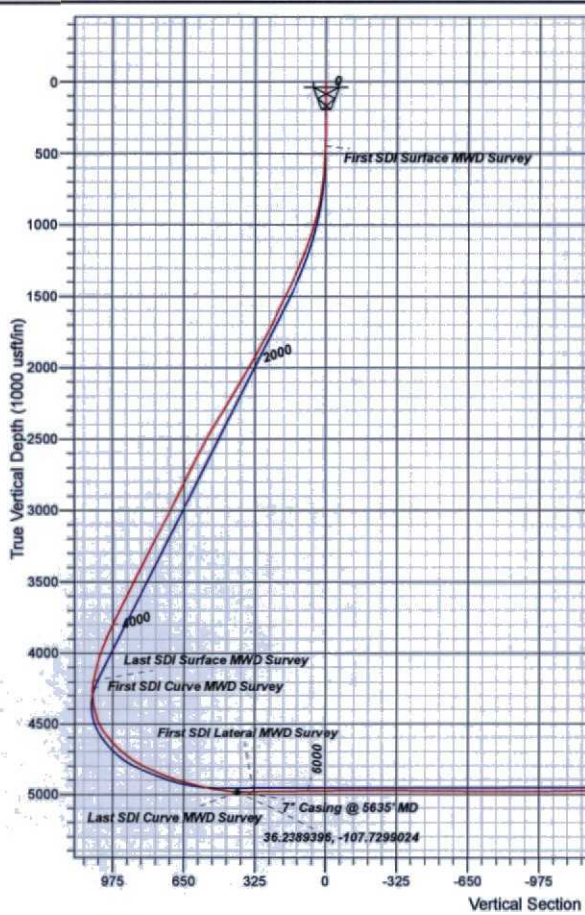


Azimuths to True North
Magnetic North: 9.12°

Magnetic Field
Strength: 49791.3nT
Dip Angle: 62.88°
Date: 4/22/2016
Model: HDGM

WELL DETAILS: W Lybrook UT #707H

+N/-S	+E/-W	GL 6733' & Rkb 25' @ 6758.00usft (Aztec 1000)	6733.00
0.00	0.00	Northing 1905388.40	Longitude -107.7322790
		Easting 529801.76	
		Latitude 36.2366240	A6



Design: Wellbore #1 (W Lybrook UT #707H/Wellbore #1)
Created By: Janie Collins Date: 16:07, April 29 2016

PROJECT DETAILS: T23N R9W

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

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Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #707H - Slot A6
Project:	T23N R9W	TVD Reference:	GL 6733' & Rkb 25' @ 6758.00usft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & Rkb 25' @ 6758.00usft (Aztec 1000)
Well:	W Lybrook UT #707H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Project	T23N R9W		
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		W Lybrook 2309-12P			
Site Position:		Northing:	1,905,338.99 usft	Latitude:	-36.2364886
From:	Map	Easting:	529,692.39 usft	Longitude:	-107.7326501
Position Uncertainty:	0.00 usft	Slot Radius:	13.20 in	Grid Convergence:	0.06 °

Well	W Lybrook UT #707H - Slot A6					
Well Position	+N/-S	0.00 usft	Northing:	1,905,388.40 usft	Latitude:	36.2366240
	+E/-W	0.00 usft	Easting:	529,801.76 usft	Longitude:	-107.7322791
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,733.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	4/22/2016	9.12	62.88	49,791

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	108.02	

Survey Program	Date 4/29/2016			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
55.00	312.00	Surface Gyro (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s
448.00	4,401.00	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD	SDI MWD - Standard ver 1.0.1
4,447.00	5,634.00	Survey #3 - Curve MWD Survey (Wellbor	SDI MWD	SDI MWD - Standard ver 1.0.1
5,717.00	10,222.00	Survey #4 - Lateral MWD Survey (Wellbor	SDI MWD	SDI MWD - Standard ver 1.0.1

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	1,905,388.40	529,801.76	36.2366240	-107.7322791
55.00	0.23	105.00	55.00	-0.03	0.11	1,905,388.37	529,801.87	36.2366239	-107.7322787
85.00	0.20	141.02	85.00	-0.08	0.20	1,905,388.32	529,801.96	36.2366238	-107.7322784
115.00	0.32	111.78	115.00	-0.16	0.31	1,905,388.25	529,802.07	36.2366236	-107.7322780
145.00	0.30	107.27	145.00	-0.21	0.46	1,905,388.19	529,802.22	36.2366234	-107.7322775
175.00	0.52	122.44	175.00	-0.31	0.65	1,905,388.10	529,802.41	36.2366231	-107.7322768
205.00	0.48	126.45	205.00	-0.46	0.87	1,905,387.95	529,802.63	36.2366227	-107.7322761
235.00	0.28	127.86	235.00	-0.57	1.03	1,905,387.83	529,802.79	36.2366224	-107.7322756
265.00	0.48	67.62	265.00	-0.57	1.20	1,905,387.83	529,802.96	36.2366224	-107.7322750

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #707H - Slot A6
Project:	T23N R9W	TVD Reference:	GL 6733' & Rk 25' @ 6758.00usft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & Rk 25' @ 6758.00usft (Aztec 1000)
Well:	W Lybrook UT #707H	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
295.00	0.63	88.44	294.99	-0.52	1.48	1,905,387.88	529,803.24	36.2366226	-107.7322740
312.00	0.57	103.21	311.99	-0.54	1.66	1,905,387.87	529,803.42	36.2366225	-107.7322734
448.00	0.20	111.53	447.99	-0.78	2.54	1,905,387.63	529,804.30	36.2366218	-107.7322705
First SDI Surface MWD Survey									
540.00	2.32	79.18	539.96	-0.49	4.51	1,905,387.92	529,806.28	36.2366226	-107.7322637
631.00	4.42	70.54	630.80	1.03	9.63	1,905,389.44	529,811.39	36.2366268	-107.7322464
721.00	5.76	77.19	720.44	3.18	17.31	1,905,391.60	529,819.06	36.2366327	-107.7322204
812.00	7.82	77.79	810.80	5.51	27.81	1,905,393.94	529,829.57	36.2366391	-107.7321848
903.00	10.05	80.85	900.69	8.08	41.70	1,905,396.52	529,843.45	36.2366462	-107.7321377
994.00	12.24	81.81	989.97	10.72	59.09	1,905,399.18	529,860.84	36.2366534	-107.7320787
1,085.00	13.88	80.57	1,078.61	13.88	79.41	1,905,402.36	529,881.15	36.2366621	-107.7320098
1,176.00	15.03	81.57	1,166.73	17.40	101.85	1,905,405.90	529,903.59	36.2366718	-107.7319337
1,267.00	16.52	82.39	1,254.30	20.84	126.34	1,905,409.37	529,928.08	36.2366812	-107.7318506
1,358.00	18.37	81.15	1,341.11	24.76	153.34	1,905,413.32	529,955.08	36.2366920	-107.7317591
1,449.00	20.49	79.22	1,426.93	29.94	183.16	1,905,418.54	529,984.89	36.2367062	-107.7316580
1,540.00	20.54	78.77	1,512.16	36.03	214.46	1,905,424.66	530,016.19	36.2367230	-107.7315518
1,631.00	18.99	74.70	1,597.80	43.05	244.41	1,905,431.71	530,046.12	36.2367422	-107.7314503
1,721.00	20.11	75.51	1,682.61	50.78	273.51	1,905,439.47	530,075.22	36.2367635	-107.7313516
1,812.00	21.87	77.50	1,767.57	58.37	305.21	1,905,447.09	530,106.91	36.2367843	-107.7312441
1,903.00	21.86	79.82	1,852.02	65.03	338.43	1,905,453.79	530,140.12	36.2368026	-107.7311315
1,994.00	21.73	80.37	1,936.52	70.84	371.71	1,905,459.63	530,173.40	36.2368186	-107.7310186
2,084.00	22.33	82.33	2,019.95	75.91	405.08	1,905,464.74	530,206.77	36.2368325	-107.7309055
2,175.00	23.17	83.46	2,103.87	80.26	440.00	1,905,469.12	530,241.68	36.2368445	-107.7307871
2,266.00	23.66	84.27	2,187.37	84.12	475.96	1,905,473.02	530,277.63	36.2368551	-107.7306651
2,356.00	22.82	82.62	2,270.07	88.17	511.23	1,905,477.10	530,312.90	36.2368662	-107.7305455
2,447.00	23.86	82.85	2,353.62	92.72	547.00	1,905,481.70	530,348.66	36.2368787	-107.7304242
2,537.00	22.95	82.92	2,436.22	97.15	582.47	1,905,486.16	530,384.13	36.2368909	-107.7303040
2,627.00	21.46	80.70	2,519.54	101.98	616.14	1,905,491.02	530,417.79	36.2369041	-107.7301898
2,718.00	20.90	79.67	2,604.39	107.58	648.53	1,905,496.66	530,450.18	36.2369195	-107.7300800
2,809.00	20.74	79.70	2,689.45	113.37	680.35	1,905,502.48	530,482.00	36.2369354	-107.7299720
2,900.00	20.48	79.65	2,774.63	119.11	711.87	1,905,508.25	530,513.50	36.2369512	-107.7298652
2,990.00	19.66	79.17	2,859.16	124.78	742.23	1,905,513.96	530,543.86	36.2369668	-107.7297622
3,081.00	20.43	80.44	2,944.65	130.30	772.92	1,905,519.51	530,574.55	36.2369819	-107.7296582
3,173.00	21.29	80.18	3,030.62	135.81	805.22	1,905,525.05	530,606.84	36.2369970	-107.7295487
3,264.00	20.91	80.45	3,115.52	141.32	837.51	1,905,530.60	530,639.12	36.2370122	-107.7294392
3,355.00	20.71	80.49	3,200.58	146.68	869.39	1,905,535.99	530,671.00	36.2370269	-107.7293310
3,446.00	20.51	79.67	3,285.76	152.19	900.94	1,905,541.54	530,702.55	36.2370420	-107.7292240
3,537.00	21.28	78.99	3,370.77	158.21	932.84	1,905,547.58	530,734.43	36.2370586	-107.7291159
3,628.00	20.70	77.82	3,455.73	164.75	964.77	1,905,554.16	530,766.36	36.2370765	-107.7290076
3,719.00	20.34	77.74	3,540.96	171.51	995.94	1,905,560.95	530,797.53	36.2370951	-107.7289019
3,810.00	20.35	78.05	3,626.28	178.14	1,026.88	1,905,567.61	530,828.45	36.2371133	-107.7287970
3,901.00	19.89	75.76	3,711.73	185.22	1,057.36	1,905,574.73	530,858.93	36.2371328	-107.7286936
3,992.00	20.57	76.61	3,797.11	192.73	1,087.92	1,905,582.27	530,889.48	36.2371534	-107.7285900
4,084.00	18.45	74.97	3,883.83	200.25	1,117.71	1,905,589.82	530,919.26	36.2371740	-107.7284890
4,175.00	16.39	72.35	3,970.65	207.88	1,143.85	1,905,597.48	530,945.40	36.2371950	-107.7284004
4,266.00	14.04	67.88	4,058.46	215.93	1,166.32	1,905,605.55	530,967.85	36.2372171	-107.7283242
4,356.00	12.07	62.07	4,146.13	224.45	1,184.75	1,905,614.09	530,986.27	36.2372405	-107.7282617
4,401.00	11.61	54.91	4,190.18	229.26	1,192.61	1,905,618.90	530,994.13	36.2372537	-107.7282350
Last SDI Surface MWD Survey									
4,447.00	12.81	32.73	4,235.16	236.21	1,199.16	1,905,625.87	531,000.67	36.2372728	-107.7282128
First SDI Curve MWD Survey									
4,493.00	14.51	12.63	4,279.88	246.13	1,203.18	1,905,635.79	531,004.68	36.2373001	-107.7281992
4,540.00	16.03	6.82	4,325.22	258.32	1,205.23	1,905,647.98	531,006.73	36.2373336	-107.7281922
4,585.00	17.64	356.43	4,368.30	271.30	1,205.55	1,905,660.96	531,007.03	36.2373692	-107.7281911
4,631.00	18.77	345.66	4,412.01	285.43	1,203.28	1,905,675.09	531,004.74	36.2374080	-107.7281988

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #707H - Slot A6
Project:	T23N R9W	TVD Reference:	GL 6733' & Rkb 25' @ 6758.00usft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & Rkb 25' @ 6758.00usft (Aztec 1000)
Well:	W Lybrook UT #707H	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
4,677.00	21.00	340.98	4,455.27	300.40	1,198.76	1,905,690.05	531,000.21	36.2374491	-107.7282142
4,722.00	22.74	334.72	4,497.04	315.89	1,192.42	1,905,705.53	530,993.85	36.2374917	-107.7282357
4,768.00	26.73	330.27	4,538.81	332.92	1,183.49	1,905,722.55	530,984.90	36.2375385	-107.7282660
4,813.00	30.43	328.34	4,578.32	351.41	1,172.48	1,905,741.04	530,973.88	36.2375893	-107.7283033
4,859.00	34.35	326.03	4,617.16	372.10	1,159.11	1,905,761.71	530,960.48	36.2376461	-107.7283486
4,904.00	38.04	324.08	4,653.47	393.87	1,143.88	1,905,783.46	530,945.23	36.2377059	-107.7284003
4,950.00	42.26	322.08	4,688.62	417.56	1,126.05	1,905,807.13	530,927.37	36.2377710	-107.7284607
4,996.00	46.14	321.88	4,721.60	442.82	1,106.30	1,905,832.37	530,907.60	36.2378404	-107.7285277
5,041.00	49.48	321.17	4,751.81	468.91	1,085.55	1,905,858.44	530,886.82	36.2379121	-107.7285980
5,087.00	52.76	320.79	4,780.68	496.73	1,063.01	1,905,886.24	530,864.25	36.2379885	-107.7286745
5,132.00	56.24	320.28	4,806.81	525.00	1,039.72	1,905,914.49	530,840.94	36.2380662	-107.7287534
5,178.00	59.23	319.72	4,831.36	554.79	1,014.72	1,905,944.25	530,815.90	36.2381480	-107.7288382
5,223.00	59.56	319.10	4,854.27	584.20	989.52	1,905,973.64	530,790.67	36.2382288	-107.7289236
5,269.00	62.91	317.86	4,876.41	614.39	962.79	1,906,003.79	530,763.91	36.2383118	-107.7290143
5,315.00	66.64	317.47	4,896.01	645.14	934.77	1,906,034.52	530,735.86	36.2383962	-107.7291093
5,360.00	69.14	316.89	4,912.95	675.72	906.43	1,906,065.06	530,707.49	36.2384802	-107.7292054
5,406.00	70.26	313.22	4,928.91	706.24	875.96	1,906,095.56	530,676.98	36.2385641	-107.7293087
5,451.00	71.41	307.32	4,943.69	733.70	843.54	1,906,122.98	530,644.54	36.2386395	-107.7294186
5,497.00	74.43	305.44	4,957.20	759.77	808.14	1,906,149.01	530,609.11	36.2387112	-107.7295387
5,543.00	78.04	306.93	4,968.15	786.15	772.09	1,906,175.35	530,573.03	36.2387836	-107.7296609
5,588.00	82.06	308.61	4,975.92	813.29	737.06	1,906,202.46	530,537.98	36.2388582	-107.7297797
5,634.00	87.24	309.91	4,980.21	842.26	701.62	1,906,231.40	530,502.50	36.2389378	-107.7298999
Last SDI Curve MWD Survey									
5,635.00	87.30	309.94	4,980.26	842.91	700.85	1,906,232.04	530,501.73	36.2389395	-107.7299025
7" Casing @ 5635' MD - 36.2389396, -107.7299024									
5,717.00	91.89	312.60	4,980.84	896.97	639.24	1,906,286.04	530,440.07	36.2390881	-107.7301114
First SDI Lateral MWD Survey									
5,761.00	90.94	313.38	4,979.75	926.97	607.07	1,906,316.00	530,407.86	36.2391705	-107.7302205
5,852.00	91.41	315.87	4,977.89	990.87	542.32	1,906,379.84	530,343.05	36.2393460	-107.7304400
5,943.00	90.54	317.66	4,976.34	1,057.16	480.00	1,906,446.06	530,280.66	36.2395281	-107.7306514
6,034.00	90.27	317.01	4,975.69	1,124.07	418.33	1,906,512.91	530,218.92	36.2397120	-107.7308605
6,125.00	90.57	317.38	4,975.03	1,190.83	356.50	1,906,579.61	530,157.02	36.2398954	-107.7310702
6,216.00	90.77	316.52	4,973.96	1,257.33	294.38	1,906,646.04	530,094.83	36.2400780	-107.7312808
6,307.00	89.83	317.81	4,973.49	1,324.05	232.51	1,906,712.70	530,032.89	36.2402614	-107.7314906
6,397.00	89.66	316.90	4,973.89	1,390.25	171.54	1,906,778.84	529,971.86	36.2404432	-107.7316973
6,489.00	89.69	316.38	4,974.41	1,457.14	108.38	1,906,845.66	529,908.62	36.2406270	-107.7319115
6,580.00	89.73	315.87	4,974.87	1,522.74	45.31	1,906,911.19	529,845.48	36.2408072	-107.7321254
6,671.00	89.83	317.85	4,975.22	1,589.14	-16.91	1,906,977.52	529,783.19	36.2409896	-107.7323364
6,762.00	89.03	316.54	4,976.12	1,655.90	-78.74	1,907,044.21	529,721.29	36.2411730	-107.7325461
6,852.00	89.56	317.30	4,977.23	1,721.63	-140.21	1,907,109.88	529,659.76	36.2413535	-107.7327545
6,943.00	89.97	316.58	4,977.61	1,788.11	-202.34	1,907,176.30	529,597.56	36.2415362	-107.7329652
7,034.00	90.31	315.68	4,977.38	1,853.71	-265.40	1,907,241.84	529,534.43	36.2417164	-107.7331791
7,125.00	89.97	315.33	4,977.16	1,918.63	-329.18	1,907,306.68	529,470.58	36.2418947	-107.7333953
7,216.00	90.37	314.30	4,976.89	1,982.76	-393.73	1,907,370.75	529,405.96	36.2420709	-107.7336142
7,307.00	91.34	314.51	4,975.53	2,046.43	-458.73	1,907,434.35	529,340.89	36.2422458	-107.7338347
7,396.00	91.07	313.92	4,973.66	2,108.48	-522.51	1,907,496.34	529,277.05	36.2424163	-107.7340510
7,488.00	91.78	313.53	4,971.37	2,172.05	-588.97	1,907,559.84	529,210.52	36.2425909	-107.7342763
7,578.00	90.64	314.70	4,969.47	2,234.68	-653.57	1,907,622.40	529,145.86	36.2427630	-107.7344954
7,668.00	89.30	315.38	4,969.52	2,298.37	-717.16	1,907,686.02	529,082.20	36.2429379	-107.7347111
7,759.00	89.66	315.24	4,970.35	2,363.06	-781.16	1,907,750.64	529,018.14	36.2431156	-107.7349281
7,850.00	89.03	316.61	4,971.39	2,428.43	-844.45	1,907,815.95	528,954.78	36.2432952	-107.7351427
7,940.00	89.53	315.83	4,972.52	2,493.40	-906.72	1,907,880.86	528,892.44	36.2434737	-107.7353539
8,030.00	89.46	317.19	4,973.31	2,558.69	-968.65	1,907,946.08	528,830.44	36.2436531	-107.7355639
8,122.00	88.76	317.08	4,974.74	2,626.12	-1,031.23	1,908,013.44	528,767.79	36.2438383	-107.7357762
8,212.00	88.22	315.85	4,977.11	2,691.34	-1,093.20	1,908,078.60	528,705.76	36.2440174	-107.7359863

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #707H - Slot A6
Project:	T23N R9W	TVD Reference:	GL 6733' & RKb 25' @ 6758.00usft (Aztec 1000)
Site:	W Lybrook 2309-12P	MD Reference:	GL 6733' & RKb 25' @ 6758.00usft (Aztec 1000)
Well:	W Lybrook UT #707H	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
8,304.00	90.54	316.84	4,978.11	2,757.89	-1,156.70	1,908,145.09	528,642.19	36.2442003	-107.7362017
8,395.00	88.69	314.78	4,978.72	2,823.13	-1,220.12	1,908,210.26	528,578.70	36.2443795	-107.7364168
8,486.00	89.70	314.38	4,980.00	2,887.00	-1,284.93	1,908,274.06	528,513.82	36.2445549	-107.7366366
8,577.00	90.70	313.78	4,979.68	2,950.30	-1,350.30	1,908,337.30	528,448.38	36.2447288	-107.7368582
8,668.00	89.97	314.94	4,979.15	3,013.93	-1,415.36	1,908,400.85	528,383.26	36.2449036	-107.7370789
8,759.00	88.79	313.85	4,980.13	3,077.58	-1,480.38	1,908,464.44	528,318.18	36.2450785	-107.7372994
8,850.00	89.56	313.40	4,981.44	3,140.36	-1,546.24	1,908,527.15	528,252.25	36.2452509	-107.7375228
8,942.00	88.86	312.50	4,982.71	3,203.04	-1,613.57	1,908,589.76	528,184.85	36.2454231	-107.7377511
9,032.00	88.99	314.43	4,984.40	3,264.94	-1,678.88	1,908,651.59	528,119.48	36.2455931	-107.7379726
9,123.00	90.40	314.27	4,984.88	3,328.55	-1,743.95	1,908,715.13	528,054.34	36.2457679	-107.7381933
9,215.00	88.96	313.56	4,985.40	3,392.35	-1,810.22	1,908,778.87	527,988.00	36.2459431	-107.7384180
9,306.00	88.02	315.93	4,987.80	3,456.39	-1,874.83	1,908,842.83	527,923.33	36.2461190	-107.7386371
9,397.00	89.80	317.11	4,989.53	3,522.40	-1,937.43	1,908,908.78	527,860.66	36.2463004	-107.7388495
9,488.00	90.30	315.68	4,989.45	3,588.29	-2,000.19	1,908,974.61	527,797.83	36.2464814	-107.7390623
9,579.00	90.74	314.93	4,988.62	3,652.98	-2,064.19	1,909,039.23	527,733.77	36.2466591	-107.7392794
9,670.00	90.77	313.74	4,987.42	3,716.57	-2,129.27	1,909,102.75	527,668.62	36.2468337	-107.7395001
9,761.00	89.29	314.15	4,987.37	3,779.72	-2,194.79	1,909,165.83	527,603.03	36.2470072	-107.7397223
9,852.00	89.53	315.38	4,988.31	3,843.79	-2,259.39	1,909,229.84	527,538.36	36.2471832	-107.7399414
9,943.00	89.73	314.07	4,988.90	3,907.83	-2,324.05	1,909,293.81	527,473.64	36.2473591	-107.7401607
10,034.00	88.89	312.70	4,990.00	3,970.33	-2,390.17	1,909,356.24	527,407.45	36.2475308	-107.7403850
10,109.00	88.87	312.39	4,991.46	4,021.03	-2,445.42	1,909,406.88	527,352.15	36.2476701	-107.7405724
RSI @ 10,109' MD - 36.2476701, -107.7405723									
10,126.00	88.86	312.32	4,991.80	4,032.48	-2,457.98	1,909,418.32	527,339.58	36.2477015	-107.7406150
Last SDI Lateral MWD Survey									
10,222.00	88.86	312.32	4,993.71	4,097.10	-2,528.95	1,909,482.87	527,268.54	36.2478790	-107.7408556
Projection to TD									

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
448.00	447.99	-0.78	2.54	First SDI Surface MWD Survey
4,401.00	4,190.18	229.26	1,192.61	Last SDI Surface MWD Survey
4,447.00	4,235.16	236.21	1,199.16	First SDI Curve MWD Survey
5,634.00	4,980.21	842.26	701.62	Last SDI Curve MWD Survey
5,635.00	4,980.26	842.91	700.85	7" Casing @ 5635' MD
5,635.00	4,980.26	842.91	700.85	36.2389396, -107.7299024
5,717.00	4,980.84	896.97	639.24	First SDI Lateral MWD Survey
10,109.00	4,991.46	4,021.03	-2,445.42	RSI @ 10,109' MD
10,109.00	4,991.46	4,021.03	-2,445.42	36.2476701, -107.7405723
10,126.00	4,991.80	4,032.48	-2,457.98	Last SDI Lateral MWD Survey
10,222.00	4,993.71	4,097.10	-2,528.95	Projection to TD

Checked By: _____	Approved By: _____	Date: _____
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