

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: (505) 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 30-045-35728		*Pool Code 98157	*Pool Name LYBROOK MANCOS W
*Property Code 315250	*Property Name W LYBROOK UNIT		*Well Number 704H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC		*Elevation 6823'

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
M	8	23N	8W		1199	SOUTH	1287	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
I	17	23N	8W		1579	SOUTH	335	EAST	SAN JUAN

¹² Dedicated Acres SW/4 SW/4 (Section 8) 280.0 N/2 NW/4, SE/4 NW/4 SW/4 NE/4, N/2 SE/4 (Section 17)		¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14051 - 12,807.24 Acres
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OIL CONS. DIV DIST. 8

MAR 20 2017

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

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.

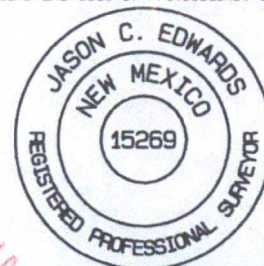
Signed: *Lacey Granillo* Date: 3/20/17
Printed Name: Lacey Granillo
E-mail Address: lacey.granillo@wpxenergy.com

¹⁸ SURVEYOR CERTIFICATION

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

Date Revised: JANUARY 17, 2017
Survey Date: DECEMBER 19, 2014

Signature and Seal of Professional Surveyor



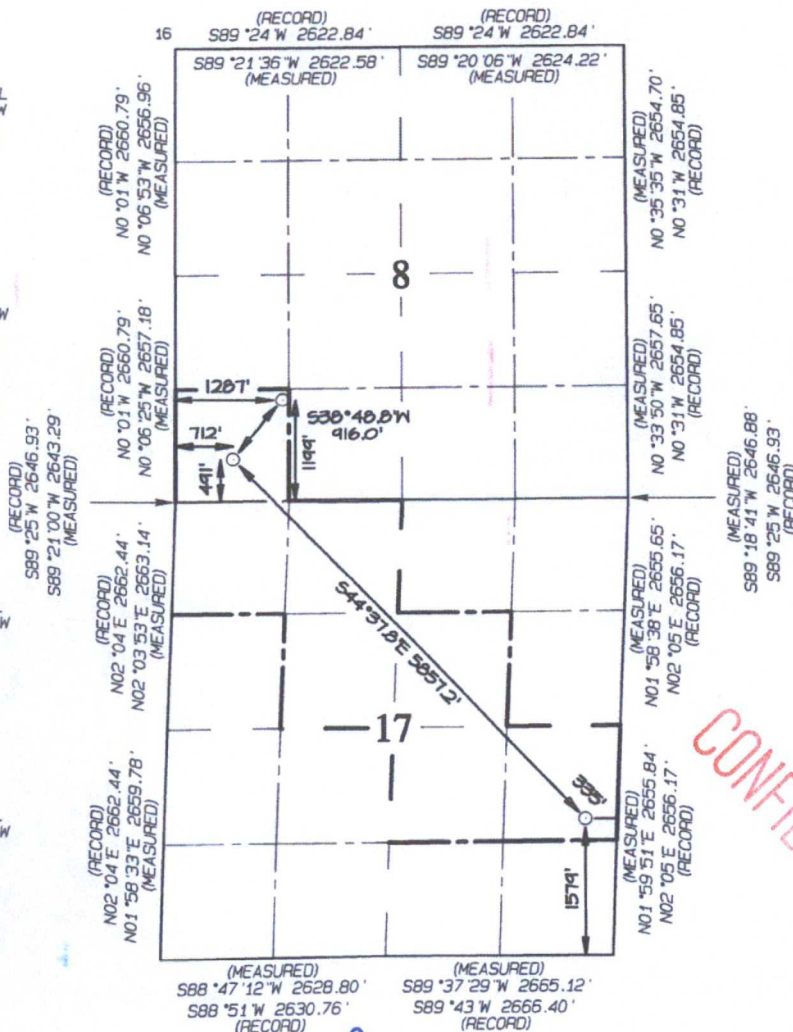
JASON C. EDWARDS
Certificate Number 15269

SURFACE LOCATION
1199' FSL 1287' FWL
SECTION 8, T23N, R8W
LAT: 36.237612° N
LONG: 107.708576° W
DATUM: NAD1927
LAT: 36.237625° N
LONG: 107.709189° W
DATUM: NAD1983

POINT-OF-ENTRY
491' FSL 712' FWL
SECTION 8, T23N, R8W
LAT: 36.235653° N
LONG: 107.710526° W
DATUM: NAD1927
LAT: 36.235666° N
LONG: 107.711139° W
DATUM: NAD1983

RSI TOOL
1635' FSL 393' FEL
SECTION 17, T23N, R8W
LAT: 36.224340° N
LONG: 107.696784° W
DATUM: NAD1927
LAT: 36.224353° N
LONG: 107.697396° W
DATUM: NAD1983

END-OF-LATERAL
1579' FSL 335' FEL
SECTION 17, T23N, R8W
LAT: 36.224187° N
LONG: 107.696594° W
DATUM: NAD1927
LAT: 36.224201° N
LONG: 107.697205° W
DATUM: NAD1983



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WPX Energy

T23N R8W

2308-08N WLU

W Lybrook UT #704H - Slot 704H

OIL CONS. DIV DIST. 3

Wellbore #1

MAR 20 2017

Design: Wellbore #1

Survey Report - Geographic

12 January, 2017

CONFIDENTIAL



www.scientificdrilling.com

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Company Name: WPX Energy
Project: T23N R8W
Site: 2308-08N WLU
Well: W Lybrook UT #704H

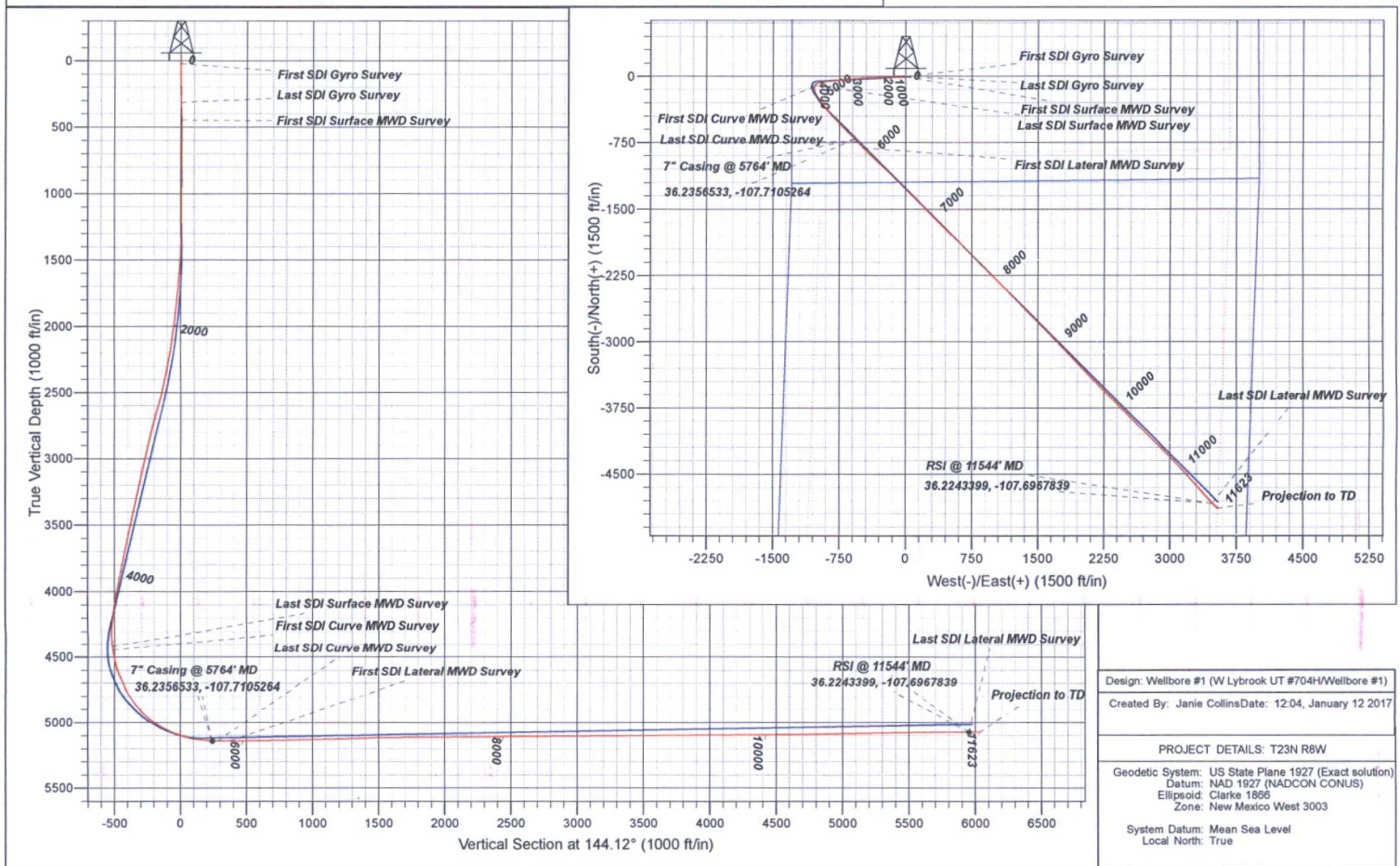


Azimuths to True North
Magnetic North: 9.03°

Magnetic Field
Strength: 49721.5nT
Dip Angle: 62.90°
Date: 12/27/2016
Model: HDGM

WELL DETAILS: W Lybrook UT #704H

	+N/-S	+E/-W	GL 6823' & RKB 21' @ 6844.01ft (Cyclone 32)	6823.01	
			Northing	Easting	Latitude
	0.00	0.00	1905756.18	536791.38	36.2376120
					Longitude
					-107.7085765
					704H



CONFIDENTIAL



SDI
Survey Report - Geographic



Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #704H - Slot 704H
Project:	T23N R8W	TVD Reference:	GL 6823' & RKB 21' @ 6844.01ft (Cyclone 32)
Site:	2308-08N WLU	MD Reference:	GL 6823' & RKB 21' @ 6844.01ft (Cyclone 32)
Well:	W Lybrook UT #704H	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	2308-08N WLU		
Site Position:		Northing:	1,906,343.71 usft
From:	Map	Easting:	537,196.07 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	36.2392246
		Longitude:	-107.7072016
		Grid Convergence:	0.07 °

Well	W Lybrook UT #704H - Slot 704H		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft
		Latitude:	36.2376120
		Longitude:	-107.7085765
		Ground Level:	6,823.01 ft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	12/27/2016	9.03
			Dip Angle (°)
			62.90
			Field Strength (nT)
			49,722

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)
	0.00	0.00	0.00
			Direction (°)
			221.75

Survey Program	Date 1/12/2017		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name
21.00	315.98	Survey #1 - Gyro Survey (Wellbore #1)	SDI Gyro MWD 104
447.00	4,601.01	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD
4,632.00	5,804.00	Survey #3 - Curve MWD Survey (Wellbore	SDI MWD
5,899.00	11,623.00	Survey #4 - Lateral MWD Survey (Wellbor	SDI MWD
			Description
			SDI Gyro MWD Error Model Ver 1.0.4
			SDI MWD - Standard ver 1.0.1
			SDI MWD - Standard ver 1.0.1
			SDI MWD - Standard ver 1.0.1

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.00	0.00	0.00	0.00	0.00	0.00	1,905,756.18	536,791.38	36.2376120	-107.7085765	
21.00	0.00	0.00	21.00	0.00	0.00	1,905,756.18	536,791.38	36.2376120	-107.7085765	
First SDI Gyro Survey										
40.77	0.23	173.41	40.77	-0.04	0.00	1,905,756.14	536,791.39	36.2376119	-107.7085765	
65.86	0.19	143.98	65.86	-0.12	0.03	1,905,756.06	536,791.42	36.2376116	-107.7085764	
91.94	0.33	117.36	91.94	-0.19	0.13	1,905,755.99	536,791.51	36.2376114	-107.7085761	
115.84	0.15	145.29	115.84	-0.25	0.21	1,905,755.93	536,791.59	36.2376113	-107.7085758	
141.57	0.23	143.03	141.57	-0.32	0.26	1,905,755.86	536,791.64	36.2376111	-107.7085756	
166.93	0.37	164.84	166.93	-0.44	0.31	1,905,755.74	536,791.69	36.2376108	-107.7085755	

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #704H - Slot 704H
Project:	T23N R8W	TVD Reference:	GL 6823' & RKB 21' @ 6844.01ft (Cyclone 32)
Site:	2308-08N WLU	MD Reference:	GL 6823' & RKB 21' @ 6844.01ft (Cyclone 32)
Well:	W Lybrook UT #704H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
190.43	0.54	171.25	190.43	-0.62	0.34	1,905,755.56	536,791.73	36.2376103	-107.7085753
216.10	0.68	186.21	216.10	-0.89	0.35	1,905,755.29	536,791.73	36.2376095	-107.7085753
241.80	0.78	186.34	241.80	-1.22	0.31	1,905,754.97	536,791.69	36.2376086	-107.7085755
265.39	0.96	184.13	265.38	-1.57	0.28	1,905,754.61	536,791.66	36.2376076	-107.7085756
290.85	1.35	190.39	290.84	-2.08	0.21	1,905,754.10	536,791.59	36.2376062	-107.7085758
315.00	1.71	193.18	314.98	-2.71	0.08	1,905,753.47	536,791.46	36.2376045	-107.7085762
Last SDI Gyro Survey									
315.98	1.72	193.27	315.96	-2.74	0.07	1,905,753.44	536,791.46	36.2376044	-107.7085763
447.00	2.08	188.12	446.91	-7.01	-0.72	1,905,749.17	536,790.67	36.2375927	-107.7085789
First SDI Surface MWD Survey									
539.00	1.71	209.71	538.86	-9.85	-1.63	1,905,746.33	536,789.76	36.2375849	-107.7085820
631.00	1.51	272.69	630.83	-10.99	-3.53	1,905,745.19	536,787.87	36.2375818	-107.7085885
722.00	1.67	269.78	721.79	-10.94	-6.05	1,905,745.24	536,785.35	36.2375819	-107.7085970
814.00	0.81	265.59	813.77	-10.99	-8.04	1,905,745.18	536,783.36	36.2375818	-107.7086038
906.00	0.72	261.91	905.76	-11.12	-9.26	1,905,745.05	536,782.14	36.2375814	-107.7086079
997.00	0.71	258.26	996.75	-11.32	-10.38	1,905,744.85	536,781.02	36.2375809	-107.7086117
1,089.00	0.65	261.13	1,088.75	-11.52	-11.45	1,905,744.65	536,779.95	36.2375803	-107.7086153
1,181.00	0.64	256.51	1,180.74	-11.72	-12.47	1,905,744.45	536,778.93	36.2375798	-107.7086188
1,272.00	0.86	272.47	1,271.73	-11.80	-13.64	1,905,744.36	536,777.76	36.2375795	-107.7086228
1,364.00	2.69	269.18	1,363.69	-11.81	-16.49	1,905,744.36	536,774.91	36.2375795	-107.7086324
1,456.00	4.39	269.23	1,455.51	-11.88	-22.17	1,905,744.27	536,769.23	36.2375793	-107.7086517
1,557.00	6.66	271.34	1,556.03	-11.80	-31.89	1,905,744.34	536,759.51	36.2375795	-107.7086846
1,649.00	7.69	269.78	1,647.31	-11.70	-43.38	1,905,744.43	536,748.02	36.2375798	-107.7087236
1,741.00	8.71	271.81	1,738.37	-11.50	-56.50	1,905,744.61	536,734.90	36.2375804	-107.7087681
1,832.00	10.48	268.93	1,828.09	-11.44	-71.66	1,905,744.65	536,719.73	36.2375805	-107.7088195
1,924.00	11.41	269.94	1,918.42	-11.60	-89.13	1,905,744.46	536,702.27	36.2375801	-107.7088787
2,016.00	12.71	268.93	2,008.38	-11.80	-108.35	1,905,744.24	536,683.05	36.2375795	-107.7089439
2,108.00	13.88	269.72	2,097.92	-12.05	-129.50	1,905,743.97	536,661.90	36.2375789	-107.7090156
2,200.00	16.10	269.24	2,186.78	-12.27	-153.30	1,905,743.72	536,638.10	36.2375783	-107.7090963
2,291.00	18.37	268.82	2,273.69	-12.73	-180.25	1,905,743.22	536,611.15	36.2375770	-107.7091877
2,383.00	20.64	269.32	2,360.40	-13.22	-210.96	1,905,742.69	536,580.44	36.2375756	-107.7092919
2,475.00	22.62	266.74	2,445.92	-14.42	-244.85	1,905,741.45	536,546.56	36.2375723	-107.7094068
2,566.00	24.71	268.24	2,529.27	-16.00	-281.33	1,905,739.82	536,510.07	36.2375680	-107.7095305
2,658.00	26.19	269.02	2,612.34	-16.94	-320.85	1,905,738.83	536,470.55	36.2375654	-107.7096645
2,749.00	25.39	269.54	2,694.27	-17.44	-360.44	1,905,738.28	536,430.96	36.2375640	-107.7097987
2,843.00	23.51	267.28	2,779.84	-18.49	-399.33	1,905,737.18	536,392.08	36.2375612	-107.7099306
2,938.00	23.09	266.90	2,867.09	-20.40	-436.85	1,905,735.22	536,354.56	36.2375559	-107.7100578
3,033.00	23.09	266.72	2,954.48	-22.47	-474.05	1,905,733.10	536,317.36	36.2375502	-107.7101840
3,127.00	22.75	266.00	3,041.06	-24.79	-510.59	1,905,730.73	536,280.83	36.2375438	-107.7103079
3,220.00	22.86	265.33	3,126.79	-27.52	-546.53	1,905,727.96	536,244.89	36.2375364	-107.7104297
3,314.00	22.70	264.48	3,213.46	-30.75	-582.78	1,905,724.68	536,208.64	36.2375275	-107.7105527
3,409.00	22.82	265.15	3,301.06	-34.07	-619.38	1,905,721.32	536,172.04	36.2375183	-107.7106768
3,504.00	23.26	265.97	3,388.49	-36.95	-656.45	1,905,718.39	536,134.98	36.2375104	-107.7108025
3,599.00	23.18	265.01	3,475.79	-39.89	-693.79	1,905,715.40	536,097.65	36.2375024	-107.7109291
3,694.00	23.43	265.33	3,563.04	-43.05	-731.24	1,905,712.19	536,060.20	36.2374937	-107.7110561
3,788.00	22.33	263.91	3,649.64	-46.47	-767.62	1,905,708.72	536,023.82	36.2374843	-107.7111794
3,883.00	22.12	263.12	3,737.59	-50.53	-803.33	1,905,704.62	535,988.12	36.2374731	-107.7113005
3,978.00	22.00	265.34	3,825.63	-54.12	-838.82	1,905,700.99	535,952.63	36.2374633	-107.7114209
4,073.00	22.82	264.21	3,913.46	-57.42	-874.88	1,905,697.64	535,916.57	36.2374542	-107.7115432
4,168.00	22.79	260.52	4,001.04	-62.31	-911.36	1,905,692.70	535,880.10	36.2374407	-107.7116668
4,253.00	19.59	260.53	4,080.28	-67.37	-941.66	1,905,687.60	535,849.81	36.2374269	-107.7117696
4,348.00	17.20	259.64	4,170.42	-72.51	-971.19	1,905,682.42	535,820.28	36.2374127	-107.7118697
4,379.00	16.45	258.79	4,200.09	-74.19	-980.01	1,905,680.73	535,811.47	36.2374081	-107.7118996
4,411.00	15.94	257.91	4,230.82	-75.99	-988.75	1,905,678.92	535,802.73	36.2374032	-107.7119293
4,443.00	14.72	251.07	4,261.68	-78.23	-996.89	1,905,676.67	535,794.59	36.2373970	-107.7119569

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #704H - Slot 704H
Project:	T23N R8W	TVD Reference:	GL 6823' & RKB 21' @ 6844.01ft (Cyclone 32)
Site:	2308-08N WLU	MD Reference:	GL 6823' & RKB 21' @ 6844.01ft (Cyclone 32)
Well:	W Lybrook UT #704H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,474.00	14.82	238.95	4,291.67	-81.56	-1,004.02	1,905,673.33	535,787.47	36.2373879	-107.7119810
4,506.00	15.63	229.52	4,322.55	-86.47	-1,010.80	1,905,668.42	535,780.69	36.2373744	-107.7120040
4,537.00	15.42	222.32	4,352.42	-92.22	-1,016.75	1,905,662.65	535,774.75	36.2373586	-107.7120242
4,569.00	14.98	215.87	4,383.30	-98.72	-1,022.04	1,905,656.14	535,769.47	36.2373407	-107.7120422
4,601.00	14.49	206.26	4,414.25	-105.66	-1,026.24	1,905,649.20	535,765.28	36.2373216	-107.7120564
Last SDI Surface MWD Survey									
4,632.00	14.86	200.74	4,444.25	-112.86	-1,029.36	1,905,642.00	535,762.17	36.2373019	-107.7120670
First SDI Curve MWD Survey									
4,664.00	14.87	194.62	4,475.18	-120.67	-1,031.85	1,905,634.18	535,759.69	36.2372804	-107.7120754
4,695.00	14.99	186.53	4,505.13	-128.50	-1,033.31	1,905,626.35	535,758.24	36.2372589	-107.7120804
4,727.00	16.21	177.99	4,535.96	-137.08	-1,033.63	1,905,617.77	535,757.94	36.2372353	-107.7120814
4,759.00	17.92	172.88	4,566.55	-146.43	-1,032.86	1,905,608.42	535,758.72	36.2372096	-107.7120788
4,790.00	19.47	168.18	4,595.91	-156.22	-1,031.21	1,905,598.63	535,760.38	36.2371827	-107.7120732
4,822.00	21.25	163.49	4,625.92	-167.00	-1,028.47	1,905,587.86	535,763.13	36.2371531	-107.7120639
4,853.00	22.90	160.14	4,654.64	-178.06	-1,024.82	1,905,576.80	535,766.79	36.2371227	-107.7120516
4,885.00	24.33	157.23	4,683.96	-190.00	-1,020.16	1,905,564.87	535,771.47	36.2370900	-107.7120357
4,917.00	25.46	153.65	4,712.99	-202.24	-1,014.55	1,905,552.64	535,777.09	36.2370563	-107.7120167
4,948.00	26.63	149.57	4,740.85	-214.20	-1,008.07	1,905,540.68	535,783.59	36.2370235	-107.7119948
4,980.00	28.17	145.84	4,769.26	-226.64	-1,000.20	1,905,528.26	535,791.48	36.2369893	-107.7119681
5,011.00	30.41	145.42	4,796.29	-239.16	-991.64	1,905,515.75	535,800.06	36.2369549	-107.7119390
5,043.00	32.44	145.86	4,823.60	-252.93	-982.22	1,905,501.99	535,809.49	36.2369171	-107.7119071
5,075.00	34.82	145.36	4,850.24	-267.55	-972.21	1,905,487.38	535,819.52	36.2368769	-107.7118732
5,106.00	37.32	145.65	4,875.29	-282.59	-961.88	1,905,472.35	535,829.87	36.2368356	-107.7118381
5,138.00	40.75	144.35	4,900.15	-299.09	-950.31	1,905,455.87	535,841.46	36.2367903	-107.7117989
5,169.00	44.27	143.89	4,923.00	-316.06	-938.03	1,905,438.91	535,853.76	36.2367437	-107.7117573
5,201.00	47.82	143.76	4,945.20	-334.65	-924.44	1,905,420.34	535,867.38	36.2366926	-107.7117112
5,233.00	50.87	142.71	4,966.05	-354.10	-909.91	1,905,400.92	535,881.93	36.2366392	-107.7116619
5,264.00	53.48	141.36	4,985.06	-373.40	-894.84	1,905,381.64	535,897.02	36.2365862	-107.7116108
5,296.00	56.37	139.94	5,003.45	-393.64	-878.23	1,905,361.41	535,913.66	36.2365305	-107.7115545
5,328.00	58.90	138.16	5,020.58	-414.05	-860.52	1,905,341.03	535,931.40	36.2364745	-107.7114944
5,359.00	60.77	136.87	5,036.15	-433.81	-842.41	1,905,321.29	535,949.53	36.2364202	-107.7114330
5,391.00	61.11	136.65	5,051.70	-454.19	-823.25	1,905,300.94	535,968.72	36.2363642	-107.7113680
5,422.00	63.35	136.70	5,066.14	-474.14	-804.43	1,905,281.01	535,987.56	36.2363094	-107.7113042
5,454.00	66.77	136.77	5,079.63	-495.27	-784.55	1,905,259.91	536,007.47	36.2362514	-107.7112368
5,486.00	70.41	136.69	5,091.31	-516.95	-764.13	1,905,238.25	536,027.92	36.2361918	-107.7111676
5,517.00	72.55	135.87	5,101.16	-538.20	-743.82	1,905,217.03	536,048.26	36.2361334	-107.7110987
5,549.00	74.48	135.22	5,110.24	-560.10	-722.33	1,905,195.16	536,069.78	36.2360733	-107.7110258
5,581.00	76.42	135.71	5,118.28	-582.18	-700.61	1,905,173.11	536,091.53	36.2360126	-107.7109521
5,612.00	78.96	136.19	5,124.88	-603.94	-679.55	1,905,151.37	536,112.61	36.2359528	-107.7108807
5,644.00	81.92	136.33	5,130.20	-626.74	-657.73	1,905,128.60	536,134.46	36.2358902	-107.7108068
5,675.00	83.19	136.13	5,134.21	-648.94	-636.47	1,905,106.43	536,155.75	36.2358292	-107.7107347
5,707.00	85.33	136.07	5,137.42	-671.88	-614.39	1,905,083.52	536,177.85	36.2357662	-107.7106598
5,718.00	86.14	136.32	5,138.23	-679.79	-606.80	1,905,075.61	536,185.46	36.2357445	-107.7106341
5,764.00	88.06	136.23	5,140.56	-712.99	-575.05	1,905,042.45	536,217.25	36.2356533	-107.7105264
7" Casing @ 5764' MD - 36.2356533, -107.7105264									
5,804.00	89.73	136.15	5,141.33	-741.85	-547.36	1,905,013.63	536,244.97	36.2355740	-107.7104325
Last SDI Curve MWD Survey									
5,899.00	90.17	134.99	5,141.41	-809.69	-480.86	1,904,945.88	536,311.56	36.2353876	-107.7102070
First SDI Lateral MWD Survey									
5,994.00	91.14	134.14	5,140.33	-876.35	-413.18	1,904,879.31	536,379.33	36.2352045	-107.7099775
6,089.00	90.34	133.03	5,139.10	-941.83	-344.38	1,904,813.91	536,448.22	36.2350246	-107.7097442
6,183.00	90.87	133.02	5,138.11	-1,005.97	-275.66	1,904,749.86	536,517.01	36.2348484	-107.7095112
6,278.00	90.54	134.61	5,136.94	-1,071.73	-207.12	1,904,684.19	536,585.64	36.2346678	-107.7092788
6,372.00	92.35	134.88	5,134.57	-1,137.88	-140.38	1,904,618.12	536,652.47	36.2344860	-107.7090525

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #704H - Slot 704H
Project:	T23N R8W	TVD Reference:	GL 6823' & RKB 21' @ 6844.01ft (Cyclone 32)
Site:	2308-08N WLU	MD Reference:	GL 6823' & RKB 21' @ 6844.01ft (Cyclone 32)
Well:	W Lybrook UT #704H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,467.00	91.45	135.11	5,131.42	-1,205.01	-73.24	1,904,551.08	536,719.70	36.2343016	-107.7088248
6,562.00	90.84	134.24	5,129.52	-1,271.79	-5.70	1,904,484.39	536,787.32	36.2341182	-107.7085958
6,657.00	90.47	134.46	5,128.44	-1,338.20	62.23	1,904,418.07	536,855.34	36.2339357	-107.7083655
6,752.00	91.88	134.29	5,126.49	-1,404.62	130.12	1,904,351.74	536,923.31	36.2337533	-107.7081353
6,843.00	91.51	134.71	5,123.80	-1,468.37	195.00	1,904,288.07	536,988.27	36.2335781	-107.7079153
6,935.00	92.21	135.33	5,120.81	-1,533.41	259.99	1,904,223.11	537,053.35	36.2333994	-107.7076949
7,027.00	92.19	135.73	5,117.28	-1,599.02	324.39	1,904,157.59	537,117.83	36.2332192	-107.7074766
7,118.00	90.07	135.22	5,115.48	-1,663.88	388.19	1,904,092.81	537,181.71	36.2330410	-107.7072603
7,210.00	90.50	134.02	5,115.03	-1,728.50	453.67	1,904,028.27	537,247.28	36.2328635	-107.7070382
7,302.00	90.20	133.89	5,114.46	-1,792.35	519.90	1,903,964.50	537,313.59	36.2326881	-107.7068137
7,393.00	90.34	134.05	5,114.03	-1,855.53	585.39	1,903,901.41	537,379.16	36.2325145	-107.7065916
7,485.00	90.91	133.98	5,113.03	-1,919.45	651.55	1,903,837.57	537,445.40	36.2323389	-107.7063673
7,577.00	89.56	134.25	5,112.65	-1,983.49	717.60	1,903,773.62	537,511.53	36.2321630	-107.7061434
7,668.00	90.10	135.22	5,112.92	-2,047.54	782.24	1,903,709.65	537,576.26	36.2319870	-107.7059242
7,760.00	90.34	134.35	5,112.57	-2,112.35	847.54	1,903,644.93	537,641.64	36.2318090	-107.7057028
7,851.00	90.91	136.40	5,111.58	-2,177.11	911.45	1,903,580.25	537,705.64	36.2316311	-107.7054861
7,944.00	90.40	136.13	5,110.51	-2,244.30	975.74	1,903,513.15	537,770.01	36.2314465	-107.7052681
8,035.00	89.80	135.55	5,110.36	-2,309.58	1,039.14	1,903,447.94	537,833.49	36.2312672	-107.7050532
8,127.00	90.44	136.41	5,110.16	-2,375.74	1,103.07	1,903,381.87	537,897.51	36.2310854	-107.7048364
8,219.00	90.47	135.96	5,109.43	-2,442.12	1,166.76	1,903,315.57	537,961.28	36.2309030	-107.7046205
8,310.00	90.30	135.75	5,108.82	-2,507.42	1,230.14	1,903,250.35	538,024.74	36.2307236	-107.7044056
8,402.00	90.57	135.98	5,108.12	-2,573.45	1,294.20	1,903,184.41	538,088.89	36.2305423	-107.7041884
8,494.00	90.44	135.63	5,107.31	-2,639.40	1,358.33	1,903,118.53	538,153.11	36.2303610	-107.7039709
8,586.00	90.44	134.84	5,106.61	-2,704.72	1,423.12	1,903,053.30	538,217.98	36.2301816	-107.7037513
8,678.00	90.64	135.14	5,105.74	-2,769.76	1,488.18	1,902,988.34	538,283.12	36.2300029	-107.7035307
8,769.00	90.44	134.96	5,104.88	-2,834.16	1,552.47	1,902,924.03	538,347.49	36.2298260	-107.7033127
8,861.00	90.44	135.24	5,104.17	-2,899.33	1,617.40	1,902,858.95	538,412.51	36.2296470	-107.7030926
8,953.00	90.00	135.60	5,103.82	-2,964.85	1,681.98	1,902,793.50	538,477.17	36.2294669	-107.7028736
9,044.00	90.34	136.47	5,103.55	-3,030.35	1,745.15	1,902,728.09	538,540.43	36.2292870	-107.7026595
9,136.00	90.98	136.87	5,102.49	-3,097.27	1,808.28	1,902,661.25	538,603.64	36.2291032	-107.7024455
9,228.00	90.97	136.56	5,100.93	-3,164.23	1,871.35	1,902,594.37	538,666.80	36.2289192	-107.7022316
9,319.00	89.56	135.39	5,100.50	-3,229.66	1,934.58	1,902,529.02	538,730.12	36.2287394	-107.7020172
9,414.00	91.41	137.20	5,099.70	-3,298.33	2,000.22	1,902,460.44	538,795.84	36.2285508	-107.7017947
9,509.00	90.17	135.67	5,098.39	-3,367.15	2,065.68	1,902,391.70	538,861.39	36.2283617	-107.7015728
9,604.00	90.20	135.42	5,098.08	-3,434.96	2,132.21	1,902,323.97	538,928.01	36.2281754	-107.7013472
9,699.00	90.10	136.00	5,097.84	-3,502.97	2,198.55	1,902,256.06	538,994.43	36.2279886	-107.7011223
9,793.00	89.50	135.07	5,098.16	-3,570.05	2,264.39	1,902,189.06	539,060.36	36.2278043	-107.7008991
9,888.00	90.87	135.57	5,097.86	-3,637.60	2,331.19	1,902,121.60	539,127.25	36.2276187	-107.7006726
9,983.00	90.84	135.05	5,096.44	-3,705.13	2,397.99	1,902,054.15	539,194.14	36.2274332	-107.7004462
10,078.00	90.71	135.74	5,095.15	-3,772.76	2,464.70	1,901,986.61	539,260.93	36.2272474	-107.7002200
10,172.00	90.20	135.57	5,094.41	-3,839.98	2,530.40	1,901,919.47	539,326.72	36.2270627	-107.6999973
10,267.00	90.94	135.11	5,093.46	-3,907.55	2,597.17	1,901,851.99	539,393.57	36.2268770	-107.6997709
10,362.00	91.31	135.23	5,091.60	-3,974.91	2,664.13	1,901,784.71	539,460.62	36.2266920	-107.6995439
10,457.00	91.34	134.77	5,089.40	-4,042.07	2,731.29	1,901,717.64	539,527.87	36.2265075	-107.6993162
10,552.00	89.87	134.36	5,088.40	-4,108.72	2,798.97	1,901,651.07	539,595.63	36.2263243	-107.6990868
10,646.00	91.25	134.59	5,087.48	-4,174.57	2,866.04	1,901,585.31	539,662.78	36.2261434	-107.6988594
10,741.00	91.48	134.74	5,085.22	-4,241.34	2,933.58	1,901,518.63	539,730.42	36.2259600	-107.6986304
10,836.00	92.12	135.66	5,082.23	-4,308.71	3,000.49	1,901,451.35	539,797.41	36.2257749	-107.6984036
10,931.00	89.76	136.93	5,080.67	-4,377.37	3,066.11	1,901,382.77	539,863.12	36.2255862	-107.6981812
11,026.00	91.11	137.10	5,079.95	-4,446.86	3,130.88	1,901,313.36	539,927.98	36.2253953	-107.6979616
11,121.00	90.00	137.35	5,079.03	-4,516.59	3,195.39	1,901,243.72	539,992.58	36.2252037	-107.6977429
11,216.00	91.99	138.31	5,077.38	-4,586.99	3,259.16	1,901,173.40	540,056.44	36.2250103	-107.6975267
11,310.00	89.83	138.69	5,075.89	-4,657.38	3,321.43	1,901,103.10	540,118.80	36.2248169	-107.6973156
11,405.00	90.10	138.07	5,075.95	-4,728.39	3,384.53	1,901,032.16	540,181.99	36.2246218	-107.6971017
11,500.00	90.92	137.45	5,075.10	-4,798.72	3,448.39	1,900,961.91	540,245.94	36.2244286	-107.6968853



SDI
Survey Report - Geographic



Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #704H - Slot 704H
Project:	T23N R8W	TVD Reference:	GL 6823' & RKB 21' @ 6844.01ft (Cyclone 32)
Site:	2308-08N WLU	MD Reference:	GL 6823' & RKB 21' @ 6844.01ft (Cyclone 32)
Well:	W Lybrook UT #704H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,540.00	90.33	137.02	5,074.67	-4,828.09	3,475.55	1,900,932.58	540,273.13	36.2243479	-107.6967932
Last SDI Lateral MWD Survey									
11,544.00	90.27	136.97	5,074.65	-4,831.01	3,478.28	1,900,929.66	540,275.87	36.2243399	-107.6967840
RSI @ 11544' MD - 36.2243399, -107.6967839									
11,560.00	90.03	136.80	5,074.60	-4,842.69	3,489.21	1,900,918.00	540,286.82	36.2243078	-107.6967469
11,623.00	90.03	131.45	5,074.57	-4,886.54	3,534.42	1,900,874.21	540,332.08	36.2241873	-107.6965936
Projection to TD									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
21.00	21.00	0.00	0.00	First SDI Gyro Survey
315.00	314.98	-2.71	0.08	Last SDI Gyro Survey
447.00	446.91	-7.01	-0.72	First SDI Surface MWD Survey
4,601.00	4,414.25	-105.66	-1,026.24	Last SDI Surface MWD Survey
4,632.00	4,444.25	-112.86	-1,029.36	First SDI Curve MWD Survey
5,764.00	5,140.56	-712.99	-575.05	7" Casing @ 5764' MD
5,764.00	5,140.56	-712.99	-575.05	36.2356533, -107.7105264
5,804.00	5,141.33	-741.85	-547.36	Last SDI Curve MWD Survey
5,899.00	5,141.41	-809.69	-480.86	First SDI Lateral MWD Survey
11,540.00	5,074.67	-4,828.09	3,475.55	Last SDI Lateral MWD Survey
11,544.00	5,074.65	-4,831.01	3,478.28	RSI @ 11544' MD
11,544.00	5,074.65	-4,831.01	3,478.28	36.2243399, -107.6967839
11,623.00	5,074.57	-4,886.54	3,534.42	Projection to TD

Checked By: _____ Approved By: _____ Date: _____