

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

District II
811 S. First Street, Aztec, NM 88210
Phone: (575) 748-1289 Fax: (575) 748-9720

District III
1000 N. Mescaleros 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

CONFIDENTIAL

*API Number 30-045-3572		*Pool Code 98157	*Pool Name LYBROOK MANCOS W
*Property Code 315250	*Property Name W LYBROOK UNIT		*Well Number 743H
*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
N	8	23N	8W		1209	SOUTH	1346	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
A	17	23N	8W		940	NORTH	335	EAST	SAN JUAN

*Dedicated Acres 200.00	NE/4 SW/4, W/2 SE/4 SE/4 SE/4 - Section 8 NE/4 NE/4 - Section 17	*Joint or Infill	*Consolidation Code	*Order No. R-14051 - 12,807.24 Acres
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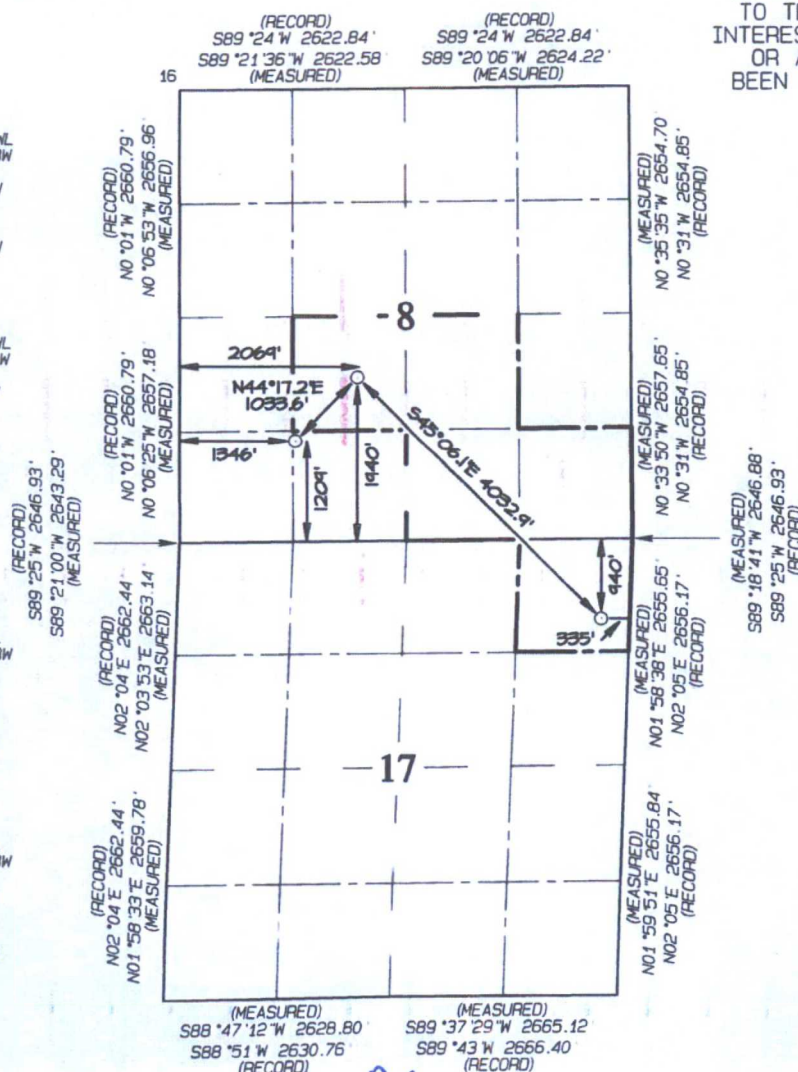
NO ALLOWABLE WILL BE ASSIGNED
TO THIS COMPLETION UNTIL ALL
INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS
BEEN APPROVED BY THE DIVISION

POINT-OF-ENTRY
1940' FSL 2069' FWL
SECTION 8, T23N, R8W
LAT: 36.239672° N
LONG: 107.705926° W
DATUM: NAD1927
LAT: 36.239684° N
LONG: 107.706538° W
DATUM: NAD1983

SURFACE LOCATION
1209' FSL 1346' FWL
SECTION 8, T23N, R8W
LAT: 36.237641° N
LONG: 107.708376° W
DATUM: NAD1927
LAT: 36.237654° N
LONG: 107.708988° W
DATUM: NAD1983

MAX PERFORATION
897' FSL 384' FEL
SECTION 17, T23N, R8W
LAT: 36.231957° N
LONG: 107.696415° W
DATUM: NAD1927
LAT: 36.231970° N
LONG: 107.697027° W
DATUM: NAD1983

END-OF-LATERAL
940' FSL 335' FEL
SECTION 17, T23N, R8W
LAT: 36.231841° N
LONG: 107.696252° W
DATUM: NAD1927
LAT: 36.231854° N
LONG: 107.696864° 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: [Signature]
Date: 3/21/17
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: MARCH 20, 2017
Date of Survey: MAY 20, 2015
Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



WPX Energy

T23N R8W

2308-08N WLU

W Lybrook UT #743H - Slot 743H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

03 February, 2017

CONFIDENTIAL



www.scientificdrilling.com



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W Lybrook UT #743H
T23N R8W
Northing: 1905766.8
Easting: 536850.48
Wellbore #1



GL 6823' & RKB 21' @ 6844.00usft (Cyclone 32)
GL @ 6823.00

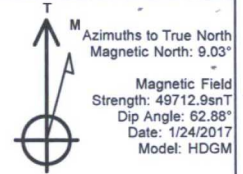


WELL DETAILS W Lybrook UT #743H

	Ground Level:	6823.00	Latitude	Longitude
+N/-S	+E/-W	Northing	Easting	
0.00	0.00	1905766.82	536850.48	36.2376410 -107.7083760

ANNOTATIONS

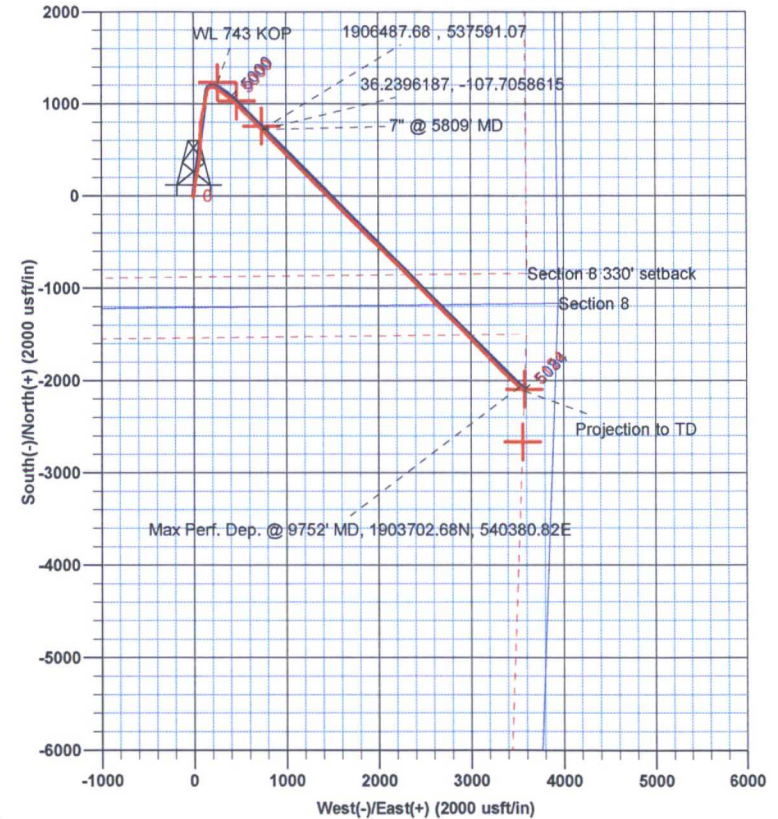
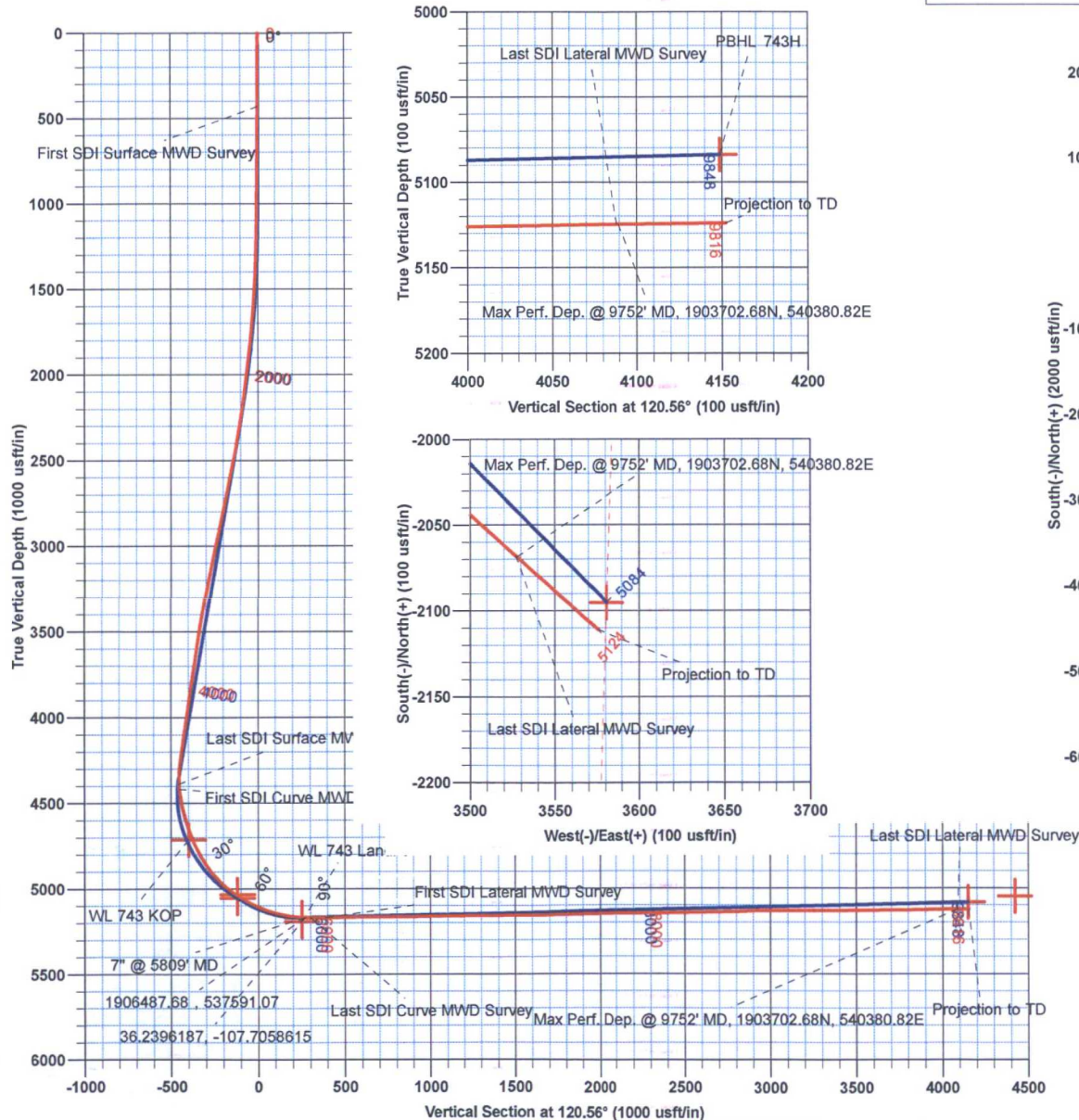
TVD	MD	Annotation
431.96	432.00	First SDI Surface MWD Survey
4388.29	4614.00	Last SDI Surface MWD Survey
4418.25	4645.00	First SDI Curve MWD Survey
5168.20	5809.00	7" @ 5809' MD
5168.20	5809.00	1906487.68, 537591.07
5168.20	5809.00	36.2396187, -107.7058615
5168.76	5839.00	Last SDI Curve MWD Survey
5168.35	5931.00	First SDI Lateral MWD Survey
5124.66	9751.00	Last SDI Lateral MWD Survey
5124.65	9751.00	Max Perf. Dep. @ 9752' MD, 1903702.68N, 540380.82E
5123.80	9816.00	Projection to TD



To convert Magnetic North to Grid, Add 8.96°
To convert True North to Grid, Subtract 0.07°

LEGEND

- W Lybrook UT #743H, Wellbore #1, Plan #3 28Dec16
- Wellbore #1



WPX Energy

T23N R8W

2308-08N WLU

W Lybrook UT #743H - Slot 743H

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

17 March, 2017



Scientific Drilling

www.scientificdrilling.com



Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #743H - Slot 743H
Project:	T23N R8W	TVD Reference:	GL 6823' & RKB 21' @ 6844.00usft (Cyclone 32)
Site:	2308-08N WLU	MD Reference:	GL 6823' & RKB 21' @ 6844.00usft (Cyclone 32)
Well:	W Lybrook UT #743H	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 usft	Slot Radius:	13.20 in
		Latitude:	36.2392246
		Longitude:	-107.7072016
		Grid Convergence:	0.07 °

Well	W Lybrook UT #743H - Slot 743H		
Well Position	+N/-S	0.00 usft	Northing: 1,905,766.82 usft
	+E/-W	0.00 usft	Easting: 536,850.48 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	36.2376410
		Longitude:	-107.7083761
		Ground Level:	6,823.00 usft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination (°)
	HDGM	1/24/2017	9.03
			Dip Angle (°) 62.88
			Field Strength (nT) 49,713

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 (°) 120.56

Survey Program	Date	3/17/2017		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
21.00	317.15	Survey #1 - Gyro Survey (Wellbore #1)	SDI Gyro MWD 104	SDI Gyro MWD Error Model Ver 1.0.4
432.00	4,614.00	Survey #2 - Surface MWD Survey (Wellbo	SDI MWD	SDI MWD - Standard ver 1.0.1
4,645.00	5,839.00	Survey #3 - Curve MWD Survey (Wellbore	SDI MWD	SDI MWD - Standard ver 1.0.1
5,931.00	9,816.00	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	1,905,766.82	536,850.48	36.2376410	-107.7083761
21.00	0.00	0.00	21.00	0.00	0.00	1,905,766.82	536,850.48	36.2376410	-107.7083761
29.67	0.52	17.79	29.67	0.04	0.01	1,905,766.86	536,850.49	36.2376411	-107.7083760
40.44	0.32	156.82	40.44	0.06	0.04	1,905,766.88	536,850.52	36.2376411	-107.7083759
65.41	0.53	168.42	65.41	-0.12	0.09	1,905,766.70	536,850.57	36.2376407	-107.7083758
90.65	0.44	171.16	90.65	-0.33	0.13	1,905,766.49	536,850.61	36.2376401	-107.7083756
116.45	0.56	181.51	116.45	-0.55	0.14	1,905,766.27	536,850.62	36.2376395	-107.7083756
141.80	0.71	185.53	141.80	-0.84	0.12	1,905,765.99	536,850.60	36.2376387	-107.7083756
167.01	0.63	193.85	167.00	-1.13	0.07	1,905,765.70	536,850.56	36.2376379	-107.7083758

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #743H - Slot 743H
Project:	T23N R8W	TVD Reference:	GL 6823' & RKB 21' @ 6844.00usft (Cyclone 32)
Site:	2308-08N WLU	MD Reference:	GL 6823' & RKB 21' @ 6844.00usft (Cyclone 32)
Well:	W Lybrook UT #743H	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
190.55	0.78	208.57	190.54	-1.39	-0.03	1,905,765.43	536,850.45	36.2376372	-107.7083762
216.58	0.88	212.69	216.57	-1.72	-0.23	1,905,765.11	536,850.26	36.2376363	-107.7083768
242.14	0.86	207.37	242.13	-2.05	-0.42	1,905,764.77	536,850.06	36.2376353	-107.7083775
265.21	0.85	208.78	265.19	-2.35	-0.58	1,905,764.47	536,849.90	36.2376345	-107.7083780
290.73	1.04	209.76	290.71	-2.72	-0.79	1,905,764.10	536,849.70	36.2376335	-107.7083787
316.11	1.06	214.46	316.09	-3.12	-1.04	1,905,763.71	536,849.45	36.2376324	-107.7083796
317.15	1.06	213.86	317.13	-3.13	-1.05	1,905,763.69	536,849.44	36.2376324	-107.7083796
432.00	1.00	207.70	431.96	-4.90	-2.11	1,905,761.92	536,848.38	36.2376275	-107.7083832
First SDI Surface MWD Survey									
523.00	0.59	353.33	522.95	-5.14	-2.53	1,905,761.68	536,847.96	36.2376269	-107.7083846
615.00	1.71	4.68	614.93	-3.30	-2.47	1,905,763.52	536,848.01	36.2376319	-107.7083844
707.00	1.47	10.05	706.90	-0.77	-2.15	1,905,766.05	536,848.33	36.2376389	-107.7083834
798.00	1.60	11.55	797.87	1.62	-1.70	1,905,768.44	536,848.78	36.2376454	-107.7083818
890.00	1.55	6.33	889.83	4.12	-1.30	1,905,770.94	536,849.18	36.2376523	-107.7083805
982.00	1.39	1.79	981.80	6.47	-1.13	1,905,773.29	536,849.34	36.2376588	-107.7083799
1,073.00	1.04	353.28	1,072.78	8.39	-1.19	1,905,775.22	536,849.28	36.2376640	-107.7083801
1,165.00	2.23	3.45	1,164.74	11.01	-1.18	1,905,777.83	536,849.29	36.2376712	-107.7083801
1,257.00	4.13	9.73	1,256.60	16.06	-0.51	1,905,782.89	536,849.95	36.2376851	-107.7083778
1,357.00	5.51	17.47	1,356.24	24.19	1.54	1,905,791.02	536,851.99	36.2377074	-107.7083708
1,449.00	8.84	9.39	1,447.51	35.38	4.02	1,905,802.21	536,854.45	36.2377382	-107.7083624
1,541.00	10.41	8.14	1,538.21	50.59	6.35	1,905,817.42	536,856.76	36.2377800	-107.7083545
1,632.00	11.75	9.46	1,627.51	67.87	9.03	1,905,834.70	536,859.43	36.2378274	-107.7083454
1,724.00	12.79	4.84	1,717.41	87.25	11.43	1,905,854.09	536,861.80	36.2378807	-107.7083373
1,816.00	14.80	7.70	1,806.76	109.05	13.87	1,905,875.89	536,864.21	36.2379406	-107.7083290
1,908.00	16.21	8.14	1,895.41	133.41	17.26	1,905,900.25	536,867.57	36.2380075	-107.7083175
2,000.00	18.03	9.70	1,983.33	160.15	21.48	1,905,927.00	536,871.75	36.2380810	-107.7083032
2,091.00	20.36	12.76	2,069.26	189.48	27.35	1,905,956.34	536,877.58	36.2381615	-107.7082833
2,183.00	22.87	9.38	2,154.79	222.73	33.80	1,905,989.60	536,883.99	36.2382529	-107.7082615
2,275.00	22.91	10.92	2,239.55	257.96	40.10	1,906,024.83	536,890.25	36.2383496	-107.7082401
2,366.00	25.00	8.80	2,322.70	294.35	46.40	1,906,061.24	536,896.50	36.2384496	-107.7082187
2,458.00	25.60	11.18	2,405.88	333.07	53.23	1,906,099.96	536,903.28	36.2385560	-107.7081956
2,550.00	25.64	7.44	2,488.84	372.31	59.66	1,906,139.20	536,909.66	36.2386638	-107.7081737
2,641.00	26.64	8.04	2,570.53	412.03	65.06	1,906,178.94	536,915.01	36.2387729	-107.7081554
2,736.00	25.97	3.79	2,655.70	453.88	69.42	1,906,220.79	536,919.31	36.2388879	-107.7081407
2,831.00	24.26	2.16	2,741.72	494.14	71.53	1,906,261.05	536,921.37	36.2389985	-107.7081335
2,926.00	24.29	2.54	2,828.32	533.16	73.13	1,906,300.08	536,922.92	36.2391057	-107.7081281
3,021.00	23.40	2.51	2,915.21	571.53	74.82	1,906,338.45	536,924.57	36.2392111	-107.7081223
3,115.00	23.19	0.33	3,001.55	608.69	75.75	1,906,375.61	536,925.44	36.2393131	-107.7081192
3,210.00	22.25	0.78	3,089.18	645.38	76.10	1,906,412.30	536,925.75	36.2394139	-107.7081180
3,305.00	21.69	2.90	3,177.28	680.89	77.23	1,906,447.81	536,926.84	36.2395115	-107.7081142
3,400.00	22.44	0.55	3,265.32	716.56	78.29	1,906,483.48	536,927.85	36.2396095	-107.7081106
3,495.00	21.07	3.68	3,353.56	751.73	79.56	1,906,518.66	536,929.08	36.2397061	-107.7081063
3,589.00	21.64	6.66	3,441.10	785.81	82.66	1,906,552.74	536,932.13	36.2397997	-107.7080958
3,684.00	23.61	9.52	3,528.79	821.98	87.84	1,906,588.91	536,937.26	36.2398991	-107.7080782
3,779.00	22.78	10.43	3,616.11	858.83	94.31	1,906,625.77	536,943.69	36.2400003	-107.7080562
3,874.00	23.09	9.99	3,703.60	895.26	100.87	1,906,662.21	536,950.20	36.2401004	-107.7080340
3,968.00	23.53	11.70	3,789.93	931.79	107.88	1,906,698.75	536,957.16	36.2402007	-107.7080102
4,063.00	23.55	11.80	3,877.03	968.94	115.60	1,906,735.91	536,964.84	36.2403028	-107.7079840
4,158.00	24.46	12.39	3,963.81	1,006.72	123.71	1,906,773.70	536,972.89	36.2404066	-107.7079566
4,253.00	24.14	10.41	4,050.39	1,045.04	131.44	1,906,812.03	536,980.57	36.2405119	-107.7079303
4,348.00	22.71	11.59	4,137.56	1,082.11	138.63	1,906,849.11	536,987.72	36.2406137	-107.7079060
4,443.00	20.86	8.78	4,225.78	1,116.80	144.90	1,906,883.81	536,993.94	36.2407090	-107.7078847
4,456.00	20.45	8.30	4,237.94	1,121.33	145.58	1,906,888.34	536,994.61	36.2407214	-107.7078824
4,487.00	19.67	7.72	4,267.06	1,131.86	147.06	1,906,898.87	536,996.08	36.2407504	-107.7078774
4,519.00	18.51	12.87	4,297.30	1,142.15	148.92	1,906,909.16	536,997.93	36.2407786	-107.7078711

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #743H - Slot 743H
Project:	T23N R8W	TVD Reference:	GL 6823' & RKB 21' @ 6844.00usft (Cyclone 32)
Site:	2308-08N WLU	MD Reference:	GL 6823' & RKB 21' @ 6844.00usft (Cyclone 32)
Well:	W Lybrook UT #743H	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
4,550.00	17.11	22.66	4,326.82	1,151.16	151.77	1,906,918.18	537,000.77	36.2408034	-107.7078614
4,582.00	16.24	31.77	4,357.48	1,159.31	155.94	1,906,926.33	537,004.93	36.2408258	-107.7078473
4,614.00	15.16	41.97	4,388.29	1,166.22	161.10	1,906,933.25	537,010.07	36.2408448	-107.7078298
Last SDI Surface MWD Survey									
4,645.00	14.61	49.65	4,418.25	1,171.77	166.79	1,906,938.81	537,015.76	36.2408600	-107.7078105
First SDI Curve MWD Survey									
4,677.00	14.97	61.66	4,449.20	1,176.35	173.50	1,906,943.39	537,022.47	36.2408726	-107.7077877
4,709.00	15.30	68.90	4,480.09	1,179.83	181.08	1,906,946.88	537,030.04	36.2408821	-107.7077620
4,740.00	15.52	79.95	4,509.99	1,182.03	188.98	1,906,949.09	537,037.94	36.2408882	-107.7077352
4,772.00	15.58	89.96	4,540.82	1,182.78	197.49	1,906,949.85	537,046.45	36.2408902	-107.7077063
4,803.00	15.47	99.96	4,570.70	1,182.06	205.73	1,906,949.15	537,054.69	36.2408883	-107.7076784
4,835.00	16.23	104.28	4,601.48	1,180.22	214.27	1,906,947.32	537,063.23	36.2408832	-107.7076495
4,866.00	18.14	105.54	4,631.09	1,177.86	223.12	1,906,944.97	537,072.08	36.2408767	-107.7076195
4,898.00	19.38	111.05	4,661.40	1,174.62	232.87	1,906,941.74	537,081.84	36.2408678	-107.7075864
4,930.00	21.45	114.81	4,691.39	1,170.26	243.14	1,906,937.39	537,092.11	36.2408558	-107.7075516
4,961.00	23.31	117.79	4,720.05	1,165.02	253.71	1,906,932.17	537,102.69	36.2408415	-107.7075157
4,993.00	24.86	120.90	4,749.26	1,158.61	265.09	1,906,925.77	537,114.07	36.2408239	-107.7074771
5,024.00	26.31	124.85	4,777.23	1,151.34	276.32	1,906,918.51	537,125.31	36.2408039	-107.7074390
5,056.00	28.42	125.08	4,805.64	1,142.91	288.37	1,906,910.10	537,137.38	36.2407807	-107.7073982
5,087.00	30.88	126.79	4,832.58	1,133.90	300.78	1,906,901.11	537,149.80	36.2407560	-107.7073561
5,119.00	33.52	128.30	4,859.66	1,123.51	314.29	1,906,890.73	537,163.33	36.2407274	-107.7073103
5,151.00	36.14	127.67	4,885.92	1,112.26	328.70	1,906,879.51	537,177.75	36.2406965	-107.7072614
5,182.00	39.17	128.39	4,910.46	1,100.59	343.61	1,906,867.86	537,192.67	36.2406645	-107.7072109
5,214.00	42.27	129.36	4,934.71	1,087.49	359.86	1,906,854.77	537,208.94	36.2406285	-107.7071558
5,245.00	45.27	130.36	4,957.10	1,073.74	376.31	1,906,841.05	537,225.41	36.2405907	-107.7071000
5,277.00	48.02	130.22	4,979.06	1,058.70	394.06	1,906,826.03	537,243.18	36.2405494	-107.7070398
5,309.00	51.00	130.24	4,999.84	1,042.98	412.64	1,906,810.33	537,261.77	36.2405062	-107.7069768
5,340.00	53.94	132.05	5,018.72	1,026.80	431.14	1,906,794.18	537,280.30	36.2404618	-107.7069140
5,372.00	56.73	133.44	5,036.92	1,008.94	450.46	1,906,776.34	537,299.65	36.2404127	-107.7068485
5,381.24	57.54	133.77	5,041.94	1,003.59	456.08	1,906,771.00	537,305.27	36.2403980	-107.7068295
Start 60° 743H									
5,403.00	59.46	134.54	5,053.31	990.66	469.39	1,906,758.09	537,318.60	36.2403625	-107.7067843
5,435.00	59.91	134.42	5,069.46	971.30	489.10	1,906,738.76	537,338.33	36.2403093	-107.7067175
5,467.00	60.96	134.44	5,085.25	951.82	508.98	1,906,719.30	537,358.23	36.2402558	-107.7066501
5,498.00	64.41	134.48	5,099.47	932.53	528.63	1,906,700.03	537,377.91	36.2402028	-107.7065834
5,530.00	67.57	134.98	5,112.49	911.96	549.40	1,906,679.49	537,398.70	36.2401463	-107.7065130
5,561.00	69.98	134.77	5,123.71	891.57	569.87	1,906,659.13	537,419.21	36.2400903	-107.7064436
5,593.00	72.17	134.97	5,134.09	870.22	591.33	1,906,637.80	537,440.69	36.2400316	-107.7063709
5,624.00	74.74	134.82	5,142.92	849.25	612.38	1,906,616.86	537,461.76	36.2399740	-107.7062995
5,656.00	77.23	134.72	5,150.67	827.38	634.42	1,906,595.02	537,483.83	36.2399139	-107.7062247
5,688.00	79.98	135.18	5,156.99	805.22	656.61	1,906,572.89	537,506.06	36.2398530	-107.7061495
5,719.00	82.66	134.83	5,161.67	783.55	678.28	1,906,551.25	537,527.75	36.2397935	-107.7060760
5,761.00	86.03	135.12	5,165.80	754.02	707.84	1,906,521.75	537,557.35	36.2397124	-107.7059758
5,781.98	87.00	135.34	5,167.08	739.15	722.59	1,906,506.91	537,572.12	36.2396715	-107.7059258
POE 743H									
5,809.00	88.25	135.61	5,168.20	719.90	741.52	1,906,487.68	537,591.07	36.2396186	-107.7058616
7" @ 5809' MD - 1906487.68 , 537591.07 - 36.2396187, -107.7058615									
5,839.00	89.63	135.92	5,168.76	698.41	762.44	1,906,466.22	537,612.02	36.2395596	-107.7057906
Last SDI Curve MWD Survey									
5,931.00	90.87	135.79	5,168.36	632.40	826.52	1,906,400.28	537,676.18	36.2393782	-107.7055733
First SDI Lateral MWD Survey									
6,022.00	90.94	135.73	5,166.92	567.21	890.00	1,906,335.18	537,739.75	36.2391992	-107.7053581
6,114.00	90.70	136.25	5,165.60	501.05	953.91	1,906,269.10	537,803.75	36.2390174	-107.7051414
6,206.00	90.54	135.35	5,164.61	435.10	1,018.05	1,906,203.23	537,867.97	36.2388362	-107.7049239

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #743H - Slot 743H
Project:	T23N R8W	TVD Reference:	GL 6823' & RKB 21' @ 6844.00usft (Cyclone 32)
Site:	2308-08N WLU	MD Reference:	GL 6823' & RKB 21' @ 6844.00usft (Cyclone 32)
Well:	W Lybrook UT #743H	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
6,298.00	89.97	134.74	5,164.20	369.99	1,083.05	1,906,138.21	537,933.05	36.2386574	-107.7047035
6,390.00	90.37	134.03	5,163.92	305.64	1,148.79	1,906,073.95	537,998.88	36.2384806	-107.7044805
6,481.00	90.74	136.25	5,163.04	241.15	1,212.98	1,906,009.53	538,063.15	36.2383034	-107.7042629
6,573.00	91.14	135.85	5,161.53	174.92	1,276.82	1,905,943.39	538,127.07	36.2381214	-107.7040464
6,665.00	90.87	135.27	5,159.92	109.25	1,341.22	1,905,877.80	538,191.56	36.2379410	-107.7038281
6,757.00	90.87	134.75	5,158.52	44.19	1,406.26	1,905,812.82	538,256.68	36.2377623	-107.7036075
6,849.00	91.11	134.13	5,156.93	-20.22	1,471.93	1,905,748.50	538,322.44	36.2375853	-107.7033848
6,940.00	89.87	134.72	5,156.15	-83.91	1,536.92	1,905,684.89	538,387.51	36.2374104	-107.7031645
7,032.00	89.97	134.77	5,156.28	-148.67	1,602.26	1,905,620.21	538,452.93	36.2372324	-107.7029429
7,124.00	89.90	134.05	5,156.39	-213.05	1,667.98	1,905,555.92	538,518.74	36.2370556	-107.7027201
7,215.00	90.24	134.86	5,156.28	-276.79	1,732.94	1,905,492.27	538,583.77	36.2368805	-107.7024999
7,307.00	90.74	135.32	5,155.49	-341.94	1,797.89	1,905,427.20	538,648.81	36.2367015	-107.7022796
7,398.00	91.41	134.91	5,153.78	-406.40	1,862.09	1,905,362.82	538,713.10	36.2365244	-107.7020619
7,489.00	91.28	134.05	5,151.65	-470.14	1,927.00	1,905,299.16	538,778.09	36.2363492	-107.7018418
7,584.00	90.94	133.46	5,149.81	-535.83	1,995.61	1,905,233.56	538,846.78	36.2361688	-107.7016092
7,679.00	90.87	132.83	5,148.30	-600.79	2,064.91	1,905,168.70	538,916.17	36.2359903	-107.7013742
7,775.00	90.27	135.30	5,147.35	-667.55	2,133.88	1,905,102.03	538,985.23	36.2358069	-107.7011404
7,869.00	90.94	136.13	5,146.36	-734.83	2,199.51	1,905,034.83	539,050.94	36.2356221	-107.7009179
7,964.00	91.10	135.85	5,144.67	-803.15	2,265.51	1,904,966.60	539,117.02	36.2354344	-107.7006941
8,059.00	90.50	133.87	5,143.34	-870.15	2,332.84	1,904,899.68	539,184.44	36.2352503	-107.7004658
8,153.00	90.64	133.74	5,142.40	-935.21	2,400.67	1,904,834.71	539,252.36	36.2350715	-107.7002358
8,248.00	90.20	136.12	5,141.71	-1,002.30	2,467.92	1,904,767.71	539,319.69	36.2348872	-107.7000078
8,343.00	91.44	135.26	5,140.35	-1,070.27	2,534.28	1,904,699.82	539,386.13	36.2347005	-107.6997828
8,438.00	92.52	136.35	5,137.07	-1,138.34	2,600.46	1,904,631.84	539,452.41	36.2345135	-107.6995585
8,532.00	91.04	136.28	5,134.15	-1,206.28	2,665.35	1,904,563.98	539,517.39	36.2343268	-107.6993384
8,627.00	90.84	134.83	5,132.59	-1,274.09	2,731.86	1,904,496.25	539,583.98	36.2341405	-107.6991129
8,722.00	90.17	133.54	5,131.75	-1,340.30	2,799.98	1,904,430.13	539,652.19	36.2339586	-107.6988820
8,817.00	90.00	135.11	5,131.61	-1,406.68	2,867.94	1,904,363.84	539,720.23	36.2337762	-107.6986516
8,912.00	90.13	136.28	5,131.50	-1,474.66	2,934.29	1,904,295.95	539,786.68	36.2335895	-107.6984266
9,006.00	89.13	134.90	5,132.11	-1,541.81	3,000.07	1,904,228.89	539,852.54	36.2334050	-107.6982036
9,101.00	90.54	136.75	5,132.38	-1,609.94	3,066.27	1,904,160.84	539,918.82	36.2332178	-107.6979792
9,196.00	90.90	136.98	5,131.19	-1,679.26	3,131.21	1,904,091.60	539,983.86	36.2330273	-107.6977590
9,291.00	90.94	136.20	5,129.66	-1,748.26	3,196.49	1,904,022.69	540,049.22	36.2328378	-107.6975377
9,385.00	90.30	135.73	5,128.65	-1,815.83	3,261.83	1,903,955.20	540,114.65	36.2326521	-107.6973162
9,480.00	90.34	134.67	5,128.12	-1,883.24	3,328.76	1,903,887.88	540,181.67	36.2324669	-107.6970892
9,575.00	90.87	132.88	5,127.11	-1,948.96	3,397.35	1,903,822.25	540,250.35	36.2322863	-107.6968567
9,670.00	90.80	132.92	5,125.73	-2,013.62	3,466.94	1,903,757.67	540,320.01	36.2321087	-107.6966208
9,751.00	90.71	131.50	5,124.66	-2,068.03	3,526.93	1,903,703.34	540,380.07	36.2319592	-107.6964174
Last SDI Lateral MWD Survey									
9,752.00	90.71	131.50	5,124.65	-2,068.70	3,527.68	1,903,702.68	540,380.82	36.2319574	-107.6964148
Max Perf. Dep. @ 9752' MD, 1903702.68N, 540380.82E									
9,809.89	90.79	131.50	5,123.89	-2,107.05	3,571.03	1,903,664.38	540,424.22	36.2318520	-107.6962679
PBHL 743H									
9,816.00	90.80	131.50	5,123.80	-2,111.10	3,575.60	1,903,660.33	540,428.81	36.2318409	-107.6962524
Projection to TD									

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #743H - Slot 743H
Project:	T23N R8W	TVD Reference:	GL 6823' & RKB 21' @ 6844.00usft (Cyclone 32)
Site:	2308-08N WLU	MD Reference:	GL 6823' & RKB 21' @ 6844.00usft (Cyclone 32)
Well:	W Lybrook UT #743H	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)	
432.00	431.96	-4.90	-2.11	First SDI Surface MWD Survey
4,614.00	4,388.29	1,166.22	161.10	Last SDI Surface MWD Survey
4,645.00	4,418.25	1,171.77	166.79	First SDI Curve MWD Survey
5,809.00	5,168.20	719.90	741.52	7" @ 5809' MD
5,809.00	5,168.20	719.90	741.52	1906487.68 , 537591.07
5,809.00	5,168.20	719.90	741.52	36.2396187, -107.7058615
5,839.00	5,168.76	698.41	762.44	Last SDI Curve MWD Survey
5,931.00	5,168.36	632.40	826.52	First SDI Lateral MWD Survey
9,751.00	5,124.66	-2,068.03	3,526.93	Last SDI Lateral MWD Survey
9,752.00	5,124.65	-2,068.70	3,527.68	Max Perf. Dep. @ 9752' MD, 1903702.68N, 540380.82E
9,816.00	5,123.80	-2,111.10	3,575.60	Projection to TD

Checked By: _____	Approved By: _____	Date: _____
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