

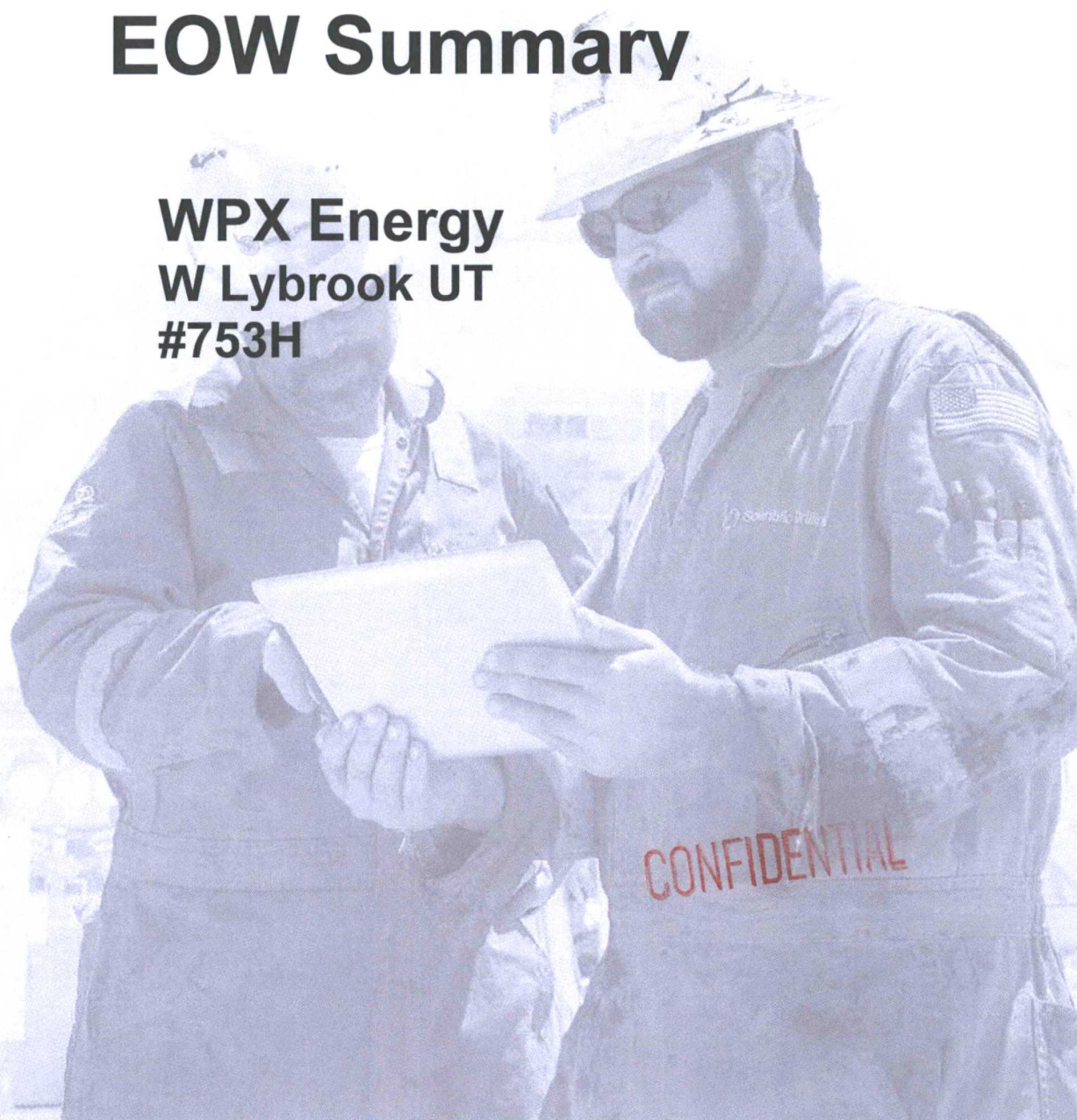
AMENDED REPORT
As Drilled

JASON C. EDWARDS
Certificate Number 15269



EOW Summary

WPX Energy
W Lybrook UT
#753H





W Lyrbook UT 753H
T23N R9W
Northing: 1901080.19
Easting: 524290.63
Actual

SL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
GL @ 6719.00



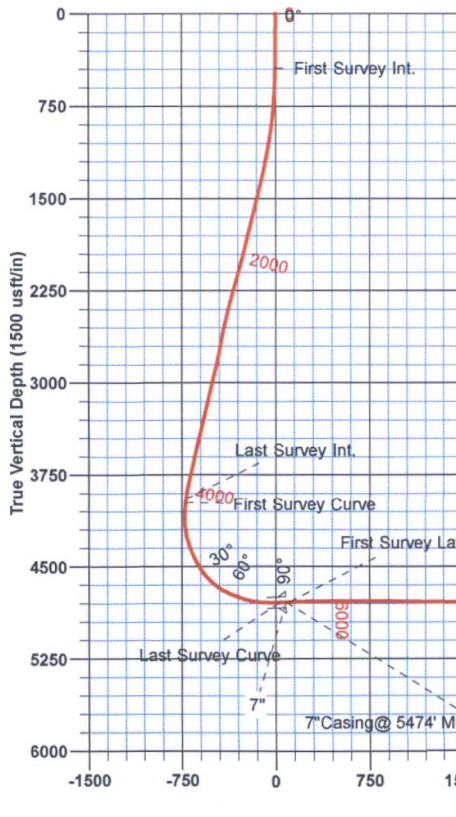
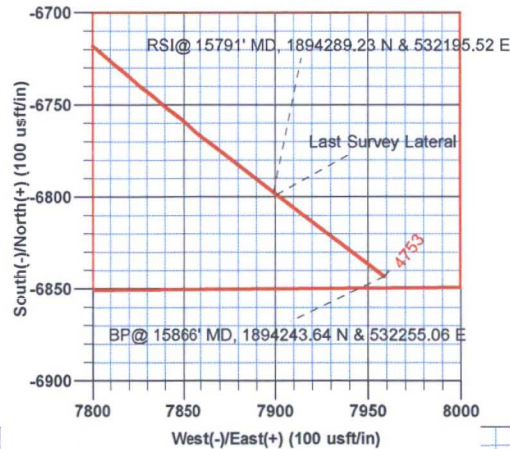
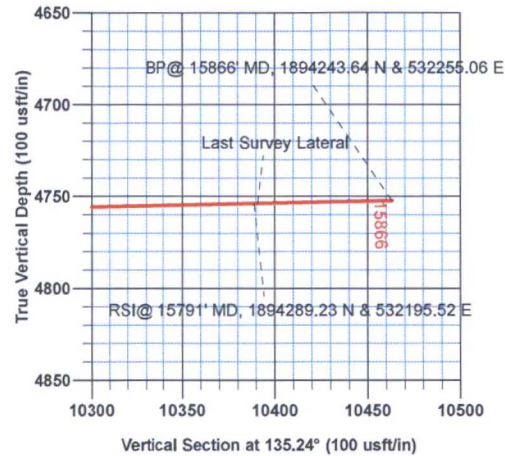
WELL DETAILS W Lyrbook UT 753H

Ground Level: 6719.00					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1901080.19	524290.63	36.224803	-107.750979

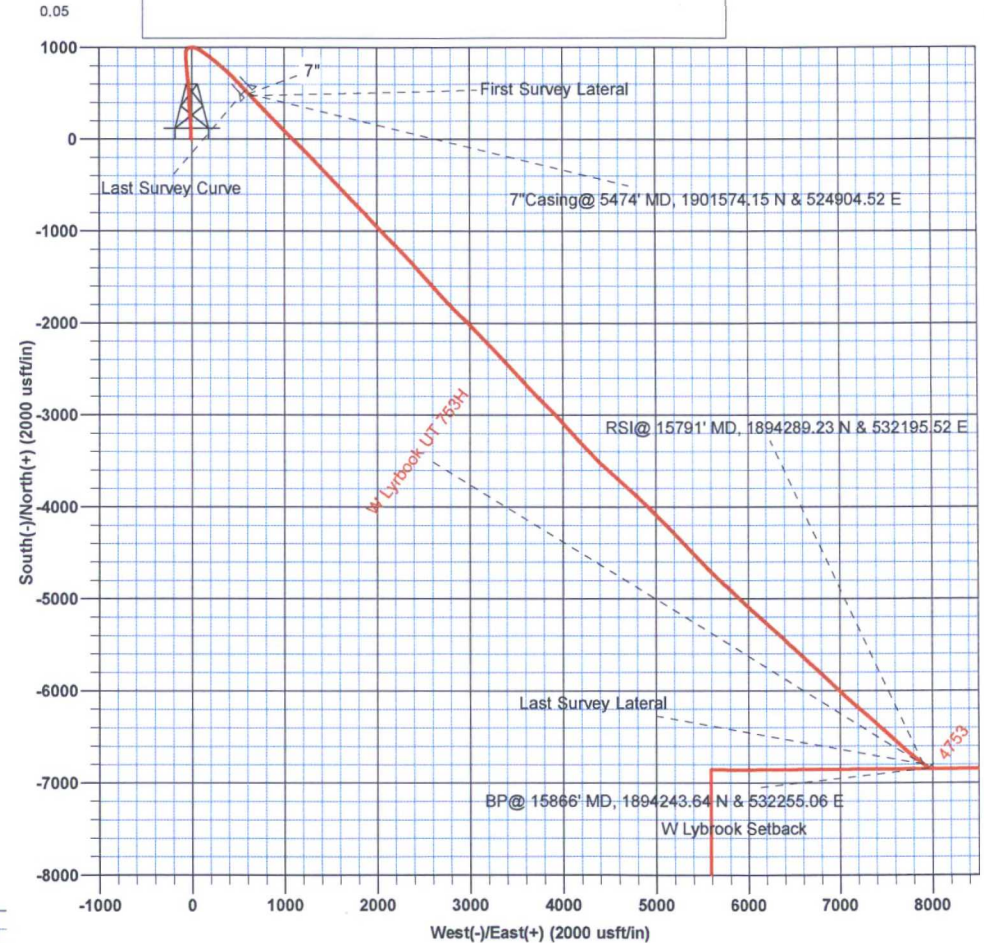
TVD		MD		ANNOTATIONS	
441.96		442.00		Annotation	
3949.68		4088.00		First Survey Int.	
3980.20		4119.00		Last Survey Int.	
4794.39		5421.00		First Survey Curve	
4792.78		5474.00		Last Survey Curve	
4791.82		5500.00		7" Casing@ 5474' MD, 1901574.15 N & 524904.52 E	
4754.16		15791.00		First Survey Lateral	
4754.12		15793.00		RSI@ 15791' MD, 1894289.23 N & 532195.52 E	
4752.60		15866.00		Last Survey Lateral	
				BP@ 15866' MD, 1894243.64 N & 532255.06 E	



Azimuths to True North
Magnetic North: 9.03°
Magnetic Field
Strength: 49661.0srT
Dip Angle: 62.85°
Date: 6/13/2017
Model: HDGM



Vertical Section at 135.24° (1500 usft/in)



Bailey Fellows
9:27, September 26 2017
Scientific Drilling
325 S. Faudree Rd.
Odessa, TX 79765

WPX Energy

T23N R9W

W Lybrook UT 716 Pad

W Lyrbook UT 753H

API: 30-045-35815

Wellbore #1

Design: Actual

Survey Report - Geographic

26 September, 2017



www.scientificdrilling.com



Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lyrbook UT 753H
Project:	T23N R9W	TVD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Site:	W Lybrook UT 716 Pad	MD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Well:	W Lyrbook UT 753H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	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 UT 716 Pad			
Site Position:		Northing:	1,901,036.93 usft	Latitude:	36.224684
From:	Lat/Long	Easting:	524,357.92 usft	Longitude:	-107.750751
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.05 °

Well		W Lyrbook UT 753H				
Well Position	+N/-S	0.00 usft	Northing:	1,901,080.19 usft	Latitude:	36.224803
	+E/-W	0.00 usft	Easting:	524,290.63 usft	Longitude:	-107.750979
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,719.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	6/13/2017	9.03	62.85	49,661

Design	Actual				
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	135.24	

Survey Program	Date	9/26/2017			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
21.00	321.00	Gyros (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
442.00	4,088.00	SDI MWD Intermediate (Wellbore #1)	MWD+HDGM	OWSG MWD + HDGM	
4,119.00	5,421.00	SDI MWD Curve (Wellbore #1)	MWD+HDGM	OWSG MWD + HDGM	
5,500.00	15,866.00	SDI MWD Lateral (Wellbore #1)	MWD+HDGM	OWSG MWD + HDGM	

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	1,901,080.19	524,290.63	36.224803	-107.750979
21.00	0.00	0.00	21.00	0.00	0.00	1,901,080.19	524,290.63	36.224803	-107.750979
51.00	0.83	141.32	51.00	-0.17	0.14	1,901,080.02	524,290.77	36.224803	-107.750979
81.00	0.77	165.00	81.00	-0.53	0.32	1,901,079.65	524,290.96	36.224802	-107.750978
111.00	0.82	174.62	110.99	-0.94	0.40	1,901,079.25	524,291.03	36.224801	-107.750978
141.00	0.94	176.87	140.99	-1.40	0.43	1,901,078.79	524,291.07	36.224799	-107.750978
171.00	1.00	210.83	170.99	-1.87	0.31	1,901,078.32	524,290.95	36.224798	-107.750978
201.00	0.82	241.38	200.98	-2.20	-0.01	1,901,077.99	524,290.62	36.224797	-107.750979
231.00	0.84	256.17	230.98	-2.36	-0.42	1,901,077.83	524,290.22	36.224797	-107.750981

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lyrbook UT 753H
Project:	T23N R9W	TVD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Site:	W Lybrook UT 716 Pad	MD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Well:	W Lyrbook UT 753H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	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
261.00	0.81	260.35	260.98	-2.44	-0.84	1,901,077.74	524,289.80	36.224796	-107.750982
291.00	0.74	272.05	290.97	-2.47	-1.24	1,901,077.71	524,289.40	36.224796	-107.750983
321.00	0.83	276.38	320.97	-2.44	-1.65	1,901,077.75	524,288.99	36.224796	-107.750985
442.00	0.45	260.77	441.96	-2.42	-2.99	1,901,077.77	524,287.65	36.224796	-107.750989
First Survey Int.									
533.00	1.99	343.55	532.94	-0.96	-3.79	1,901,079.22	524,286.84	36.224800	-107.750992
623.00	4.06	2.10	622.81	3.72	-4.12	1,901,083.91	524,286.52	36.224813	-107.750993
713.00	5.91	358.62	712.47	11.54	-4.11	1,901,091.72	524,286.51	36.224835	-107.750993
805.00	8.22	0.74	803.77	22.85	-4.14	1,901,103.04	524,286.47	36.224866	-107.750993
895.00	9.85	357.86	892.65	36.98	-4.34	1,901,117.16	524,286.26	36.224905	-107.750994
986.00	11.13	357.71	982.12	53.53	-4.99	1,901,133.72	524,285.60	36.224950	-107.750996
1,075.00	13.20	356.36	1,069.12	72.26	-5.97	1,901,152.44	524,284.60	36.225002	-107.751000
1,165.00	14.73	359.61	1,156.46	93.96	-6.71	1,901,174.14	524,283.85	36.225061	-107.751002
1,255.00	16.23	359.92	1,243.19	117.98	-6.80	1,901,198.16	524,283.73	36.225127	-107.751002
1,346.00	17.58	356.06	1,330.26	144.41	-7.76	1,901,224.59	524,282.75	36.225200	-107.751006
1,438.00	17.04	355.68	1,418.09	171.71	-9.73	1,901,251.89	524,280.76	36.225275	-107.751012
1,528.00	15.88	353.25	1,504.40	197.09	-12.17	1,901,277.27	524,278.29	36.225345	-107.751021
1,618.00	17.07	357.64	1,590.71	222.52	-14.16	1,901,302.69	524,276.28	36.225414	-107.751027
1,710.00	18.00	353.41	1,678.44	250.13	-16.35	1,901,330.30	524,274.07	36.225490	-107.751035
1,800.00	17.37	356.23	1,764.19	277.35	-18.83	1,901,357.52	524,271.57	36.225565	-107.751043
1,891.00	16.89	352.13	1,851.15	304.00	-21.53	1,901,384.17	524,268.84	36.225638	-107.751052
1,982.00	19.32	357.47	1,937.65	332.14	-24.01	1,901,412.31	524,266.34	36.225716	-107.751061
2,072.00	19.81	357.56	2,022.45	362.25	-25.32	1,901,442.42	524,265.01	36.225798	-107.751065
2,163.00	20.38	358.17	2,107.91	393.49	-26.48	1,901,473.66	524,263.82	36.225884	-107.751069
2,255.00	20.65	357.68	2,194.08	425.71	-27.65	1,901,505.88	524,262.63	36.225973	-107.751073
2,346.00	20.31	359.59	2,279.32	457.54	-28.41	1,901,537.70	524,261.84	36.226060	-107.751076
2,437.00	19.00	356.72	2,365.02	488.12	-29.37	1,901,568.29	524,260.85	36.226144	-107.751079
2,529.00	17.16	356.84	2,452.48	516.63	-30.98	1,901,596.79	524,259.22	36.226222	-107.751084
2,620.00	15.86	356.53	2,539.72	542.45	-32.47	1,901,622.61	524,257.71	36.226293	-107.751089
2,711.00	14.72	357.18	2,627.50	566.41	-33.79	1,901,646.56	524,256.36	36.226359	-107.751094
2,801.00	13.84	354.34	2,714.72	588.54	-35.41	1,901,668.70	524,254.72	36.226420	-107.751099
2,893.00	15.00	356.85	2,803.82	611.38	-37.15	1,901,691.53	524,252.96	36.226483	-107.751105
2,983.00	16.63	357.29	2,890.41	635.87	-38.40	1,901,716.03	524,251.69	36.226550	-107.751109
3,074.00	17.62	355.41	2,977.38	662.61	-40.12	1,901,742.76	524,249.95	36.226623	-107.751115
3,165.00	17.60	354.76	3,064.11	690.04	-42.48	1,901,770.19	524,247.57	36.226699	-107.751123
3,255.00	17.30	353.86	3,149.97	716.89	-45.15	1,901,797.04	524,244.87	36.226773	-107.751132
3,350.00	16.99	353.34	3,240.75	744.72	-48.27	1,901,824.87	524,241.73	36.226849	-107.751143
3,445.00	15.74	351.34	3,331.90	771.25	-51.82	1,901,851.39	524,238.16	36.226922	-107.751155
3,540.00	16.24	354.80	3,423.22	797.22	-54.97	1,901,877.36	524,234.99	36.226993	-107.751166
3,636.00	16.77	359.05	3,515.27	824.44	-56.41	1,901,904.57	524,233.52	36.227068	-107.751171
3,731.00	18.32	357.65	3,605.85	853.06	-57.25	1,901,933.20	524,232.66	36.227147	-107.751173
3,826.00	17.49	357.25	3,696.25	882.24	-58.55	1,901,962.37	524,231.33	36.227227	-107.751178
3,921.00	15.66	355.76	3,787.30	909.28	-60.18	1,901,989.42	524,229.68	36.227301	-107.751183
4,016.00	13.54	1.52	3,879.23	933.19	-60.84	1,902,013.33	524,229.00	36.227367	-107.751186
4,024.00	12.89	0.49	3,887.02	935.02	-60.80	1,902,015.16	524,229.04	36.227372	-107.751185
4,056.00	11.92	358.78	3,918.27	941.89	-60.84	1,902,022.03	524,228.99	36.227391	-107.751186
4,088.00	10.18	1.23	3,949.68	948.03	-60.85	1,902,028.16	524,228.98	36.227407	-107.751186
Last Survey Int.									
4,119.00	9.97	9.17	3,980.20	953.41	-60.37	1,902,033.55	524,229.46	36.227422	-107.751184
First Survey Curve									
4,151.00	11.17	19.21	4,011.66	959.08	-58.91	1,902,039.21	524,230.91	36.227438	-107.751179
4,183.00	12.59	27.63	4,042.97	965.09	-56.27	1,902,045.23	524,233.55	36.227454	-107.751170
4,214.00	13.66	35.15	4,073.17	971.08	-52.59	1,902,051.22	524,237.22	36.227471	-107.751158
4,246.00	14.64	42.71	4,104.20	977.14	-47.67	1,902,057.29	524,242.13	36.227487	-107.751141
4,277.00	15.54	51.88	4,134.13	982.59	-41.75	1,902,062.74	524,248.05	36.227502	-107.751121

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lyrbook UT 753H
Project:	T23N R9W	TVD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Site:	W Lyrbook UT 716 Pad	MD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Well:	W Lyrbook UT 753H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	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
4,309.00	17.17	59.86	4,164.84	987.60	-34.29	1,902,067.76	524,255.50	36.227516	-107.751096
4,341.00	18.72	66.54	4,195.29	992.02	-25.49	1,902,072.19	524,264.30	36.227528	-107.751066
4,373.00	19.46	72.89	4,225.53	995.63	-15.69	1,902,075.81	524,274.10	36.227538	-107.751032
4,405.00	19.97	81.67	4,255.66	997.99	-5.18	1,902,078.18	524,284.60	36.227545	-107.750997
4,437.00	20.99	89.12	4,285.64	998.87	5.96	1,902,079.07	524,295.74	36.227547	-107.750959
4,468.00	22.19	95.53	4,314.47	998.39	17.34	1,902,078.60	524,307.12	36.227546	-107.750920
4,500.00	23.74	102.86	4,343.94	996.38	29.63	1,902,076.59	524,319.42	36.227540	-107.750879
4,532.00	24.91	108.71	4,373.10	992.78	42.30	1,902,073.01	524,332.09	36.227530	-107.750836
4,564.00	25.76	114.80	4,402.03	987.70	55.00	1,902,067.94	524,344.79	36.227516	-107.750793
4,596.00	26.76	120.05	4,430.73	981.18	67.55	1,902,061.42	524,357.35	36.227499	-107.750750
4,628.00	28.20	122.35	4,459.12	973.52	80.17	1,902,053.78	524,369.98	36.227478	-107.750707
4,659.00	29.60	122.81	4,486.26	965.46	92.79	1,902,045.72	524,382.61	36.227455	-107.750665
4,691.00	32.36	125.03	4,513.69	956.26	106.45	1,902,036.53	524,396.27	36.227430	-107.750618
4,723.00	35.53	125.65	4,540.24	945.92	121.02	1,902,026.21	524,410.85	36.227402	-107.750569
4,754.00	38.88	124.59	4,564.92	935.14	136.36	1,902,015.44	524,426.20	36.227372	-107.750517
4,786.00	42.11	125.63	4,589.26	923.19	153.35	1,902,003.50	524,443.20	36.227339	-107.750459
4,818.00	45.42	126.86	4,612.36	910.10	171.19	1,901,990.43	524,461.05	36.227303	-107.750399
4,849.00	47.66	127.67	4,633.69	896.47	189.10	1,901,976.82	524,478.97	36.227266	-107.750338
4,881.00	50.47	127.23	4,654.65	881.77	208.29	1,901,962.14	524,498.17	36.227225	-107.750273
4,913.00	54.52	128.37	4,674.13	866.21	228.34	1,901,946.59	524,518.24	36.227183	-107.750205
4,945.00	58.85	129.00	4,691.70	849.50	249.21	1,901,929.90	524,539.12	36.227137	-107.750134
4,976.00	63.73	130.11	4,706.59	832.19	270.16	1,901,912.60	524,560.09	36.227089	-107.750063
5,008.00	64.50	130.73	4,720.56	813.52	292.07	1,901,893.96	524,582.02	36.227038	-107.749989
5,040.00	66.43	130.75	4,733.85	794.52	314.13	1,901,874.98	524,604.09	36.226986	-107.749914
5,071.00	69.07	131.56	4,745.58	775.64	335.73	1,901,856.11	524,625.71	36.226934	-107.749841
5,103.00	71.49	132.08	4,756.38	755.56	358.18	1,901,836.05	524,648.17	36.226879	-107.749765
5,135.00	73.24	133.34	4,766.07	734.87	380.58	1,901,815.38	524,670.59	36.226822	-107.749689
5,167.00	75.29	134.21	4,774.75	713.56	402.82	1,901,794.09	524,692.85	36.226763	-107.749614
5,198.00	78.33	134.65	4,781.82	692.44	424.37	1,901,772.98	524,714.42	36.226705	-107.749540
5,230.00	81.15	135.35	4,787.52	670.17	446.63	1,901,750.74	524,736.70	36.226644	-107.749465
5,262.00	84.42	136.02	4,791.54	647.46	468.81	1,901,728.04	524,758.89	36.226582	-107.749390
5,294.00	87.78	136.62	4,793.72	624.37	490.85	1,901,704.98	524,780.96	36.226518	-107.749315
5,325.00	89.09	136.96	4,794.56	601.79	512.07	1,901,682.41	524,802.19	36.226456	-107.749243
5,357.00	89.50	136.69	4,794.96	578.45	533.96	1,901,659.09	524,824.11	36.226392	-107.749169
5,421.00	91.51	136.47	4,794.39	531.97	577.95	1,901,612.65	524,868.13	36.226264	-107.749020
Last Survey Curve									
5,427.10	91.56	136.51	4,794.23	527.55	582.15	1,901,608.23	524,872.33	36.226252	-107.749006
753H POE									
5,474.00	91.99	136.86	4,792.78	493.44	614.30	1,901,574.15	524,904.52	36.226159	-107.748897
7"Casing@ 5474' MD, 1901574.15 N & 524904.52 E - 7"									
5,500.00	92.22	137.05	4,791.82	474.45	632.04	1,901,555.18	524,922.27	36.226106	-107.748836
First Survey Lateral									
5,596.00	92.82	136.55	4,787.60	404.54	697.69	1,901,485.32	524,987.98	36.225914	-107.748614
5,691.00	91.71	136.04	4,783.85	335.92	763.28	1,901,416.75	525,053.63	36.225726	-107.748391
5,786.00	89.50	136.63	4,782.84	267.20	828.86	1,901,348.10	525,119.27	36.225537	-107.748169
5,880.00	89.53	135.76	4,783.64	199.37	893.93	1,901,280.32	525,184.39	36.225351	-107.747949
5,976.00	90.30	135.97	4,783.78	130.47	960.78	1,901,211.47	525,251.30	36.225161	-107.747722
6,071.00	89.23	134.83	4,784.17	62.83	1,027.48	1,901,143.89	525,318.06	36.224976	-107.747496
6,166.00	89.93	134.80	4,784.87	-4.13	1,094.87	1,901,076.99	525,385.51	36.224792	-107.747267
6,261.00	89.39	134.03	4,785.43	-70.61	1,162.72	1,901,010.57	525,453.42	36.224609	-107.747037
6,356.00	89.63	136.45	4,786.25	-138.06	1,229.61	1,900,943.17	525,520.36	36.224424	-107.746810
6,452.00	90.10	136.22	4,786.47	-207.50	1,295.89	1,900,873.79	525,586.70	36.224233	-107.746586
6,547.00	89.29	135.39	4,786.98	-275.61	1,362.11	1,900,805.73	525,652.98	36.224046	-107.746361
6,642.00	88.45	137.82	4,788.85	-344.62	1,427.36	1,900,736.78	525,718.29	36.223856	-107.746140

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lyrbook UT 753H
Project:	T23N R9W	TVD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Site:	W Lybrook UT 716 Pad	MD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Well:	W Lyrbook UT 753H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	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
6,737.00	89.16	137.93	4,790.83	-415.07	1,491.07	1,900,666.39	525,782.06	36.223663	-107.745924
6,832.00	88.92	136.85	4,792.42	-484.98	1,555.38	1,900,596.53	525,846.42	36.223471	-107.745706
6,927.00	89.50	136.16	4,793.73	-553.88	1,620.76	1,900,527.68	525,911.86	36.223281	-107.745484
7,022.00	89.83	135.57	4,794.29	-622.06	1,686.91	1,900,459.56	525,978.07	36.223094	-107.745260
7,117.00	90.24	135.19	4,794.23	-689.68	1,753.64	1,900,391.99	526,044.86	36.222908	-107.745034
7,212.00	89.97	137.76	4,794.06	-758.56	1,819.05	1,900,323.17	526,110.33	36.222719	-107.744812
7,307.00	89.93	137.19	4,794.14	-828.57	1,883.27	1,900,253.22	526,174.60	36.222527	-107.744594
7,402.00	89.83	136.77	4,794.34	-898.03	1,948.08	1,900,183.81	526,239.48	36.222336	-107.744375
7,497.00	89.83	136.25	4,794.62	-966.95	2,013.46	1,900,114.95	526,304.92	36.222147	-107.744153
7,593.00	90.00	136.25	4,794.76	-1,036.30	2,079.85	1,900,045.66	526,371.36	36.221956	-107.743928
7,688.00	90.24	135.74	4,794.56	-1,104.63	2,145.84	1,899,977.38	526,437.42	36.221768	-107.743704
7,783.00	89.87	134.99	4,794.47	-1,172.23	2,212.59	1,899,909.84	526,504.22	36.221583	-107.743478
7,878.00	88.59	137.45	4,795.75	-1,240.81	2,278.31	1,899,841.32	526,569.99	36.221394	-107.743255
7,973.00	90.67	138.09	4,796.36	-1,311.14	2,342.15	1,899,771.03	526,633.90	36.221201	-107.743039
8,069.00	91.31	138.07	4,794.70	-1,382.56	2,406.28	1,899,699.67	526,698.09	36.221005	-107.742821
8,163.00	89.66	138.84	4,793.91	-1,452.91	2,468.61	1,899,629.37	526,760.48	36.220811	-107.742610
8,258.00	90.17	138.55	4,794.05	-1,524.28	2,531.32	1,899,558.06	526,823.25	36.220615	-107.742398
8,353.00	90.94	138.34	4,793.13	-1,595.36	2,594.33	1,899,487.03	526,886.32	36.220420	-107.742184
8,448.00	90.87	137.68	4,791.63	-1,665.96	2,657.88	1,899,416.48	526,949.93	36.220226	-107.741969
8,544.00	91.21	137.48	4,789.89	-1,736.82	2,722.63	1,899,345.68	527,014.74	36.220031	-107.741749
8,639.00	90.07	136.20	4,788.83	-1,806.11	2,787.61	1,899,276.45	527,079.77	36.219841	-107.741529
8,734.00	89.80	135.27	4,788.93	-1,874.14	2,853.91	1,899,208.47	527,146.14	36.219654	-107.741304
8,828.00	89.69	134.88	4,789.35	-1,940.69	2,920.29	1,899,141.97	527,212.57	36.219471	-107.741079
8,923.00	90.20	134.43	4,789.44	-2,007.46	2,987.87	1,899,075.26	527,280.21	36.219288	-107.740850
9,018.00	89.93	136.86	4,789.34	-2,075.39	3,054.28	1,899,007.40	527,346.68	36.219101	-107.740625
9,113.00	89.73	136.33	4,789.62	-2,144.40	3,119.56	1,898,938.43	527,412.01	36.218912	-107.740404
9,208.00	90.03	136.30	4,789.82	-2,213.10	3,185.17	1,898,869.79	527,477.69	36.218723	-107.740181
9,303.00	89.73	136.08	4,790.01	-2,281.66	3,250.94	1,898,801.29	527,543.51	36.218535	-107.739958
9,398.00	89.90	138.60	4,790.32	-2,351.51	3,315.31	1,898,731.49	527,607.94	36.218343	-107.739740
9,493.00	89.63	137.92	4,790.71	-2,422.40	3,378.56	1,898,660.66	527,671.25	36.218148	-107.739526
9,588.00	89.63	137.74	4,791.32	-2,492.81	3,442.33	1,898,590.30	527,735.08	36.217954	-107.739310
9,683.00	89.56	137.71	4,792.00	-2,563.10	3,506.24	1,898,520.07	527,799.05	36.217761	-107.739093
9,778.00	90.37	137.38	4,792.05	-2,633.19	3,570.36	1,898,450.03	527,863.23	36.217569	-107.738876
9,872.00	90.91	137.37	4,791.00	-2,702.35	3,634.01	1,898,380.92	527,926.94	36.217379	-107.738660
9,967.00	90.57	136.61	4,789.78	-2,771.81	3,698.81	1,898,311.52	527,991.80	36.217188	-107.738440
10,062.00	89.76	135.52	4,789.50	-2,840.22	3,764.72	1,898,243.16	528,057.77	36.217000	-107.738217
10,157.00	90.24	134.61	4,789.50	-2,907.47	3,831.82	1,898,175.97	528,124.92	36.216815	-107.737989
10,252.00	90.77	137.87	4,788.67	-2,976.07	3,897.51	1,898,107.43	528,190.68	36.216627	-107.737767
10,347.00	90.57	137.96	4,787.56	-3,046.57	3,961.18	1,898,036.98	528,254.40	36.216433	-107.737551
10,443.00	89.29	138.21	4,787.67	-3,118.01	4,025.31	1,897,965.60	528,318.59	36.216237	-107.737333
10,537.00	91.24	138.67	4,787.24	-3,188.34	4,087.67	1,897,895.32	528,381.01	36.216043	-107.737122
10,632.00	91.18	137.67	4,785.23	-3,259.11	4,151.01	1,897,824.60	528,444.41	36.215849	-107.736907
10,727.00	91.01	137.23	4,783.42	-3,329.08	4,215.24	1,897,754.69	528,508.70	36.215657	-107.736690
10,822.00	91.31	136.53	4,781.49	-3,398.41	4,280.16	1,897,685.41	528,573.68	36.215466	-107.736470
10,917.00	91.88	136.05	4,778.85	-3,467.05	4,345.78	1,897,616.83	528,639.36	36.215278	-107.736247
11,012.00	91.82	135.73	4,775.78	-3,535.23	4,411.87	1,897,548.71	528,705.51	36.215090	-107.736023
11,103.00	87.98	132.50	4,775.94	-3,598.55	4,477.18	1,897,485.44	528,770.87	36.214916	-107.735802
11,194.00	88.32	131.86	4,778.88	-3,659.62	4,544.58	1,897,424.42	528,838.32	36.214749	-107.735573
11,285.00	88.52	131.60	4,781.39	-3,720.17	4,612.47	1,897,363.93	528,906.26	36.214582	-107.735343
11,377.00	89.26	133.30	4,783.17	-3,782.25	4,680.34	1,897,301.91	528,974.18	36.214412	-107.735113
11,468.00	88.62	132.05	4,784.85	-3,843.93	4,747.23	1,897,240.30	529,041.13	36.214242	-107.734887
11,559.00	89.93	133.96	4,786.01	-3,905.98	4,813.76	1,897,178.29	529,107.72	36.214072	-107.734661
11,650.00	90.71	133.71	4,785.50	-3,969.01	4,879.40	1,897,115.33	529,173.41	36.213898	-107.734439
11,740.00	90.37	136.24	4,784.65	-4,032.61	4,943.06	1,897,051.78	529,237.12	36.213724	-107.734223
11,831.00	90.03	135.51	4,784.33	-4,097.93	5,006.42	1,896,986.51	529,300.53	36.213544	-107.734008

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lyrbook UT 753H
Project:	T23N R9W	TVD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Site:	W Lybrook UT 716 Pad	MD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Well:	W Lyrbook UT 753H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	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
11,921.00	90.10	135.11	4,784.23	-4,161.92	5,069.71	1,896,922.58	529,363.88	36.213368	-107.733794
12,010.00	89.83	134.30	4,784.28	-4,224.52	5,132.97	1,896,860.03	529,427.19	36.213196	-107.733579
12,099.00	90.44	136.29	4,784.07	-4,287.77	5,195.57	1,896,796.83	529,489.85	36.213023	-107.733367
12,190.00	90.97	136.79	4,782.95	-4,353.82	5,258.16	1,896,730.83	529,552.49	36.212841	-107.733155
12,280.00	88.49	136.66	4,783.38	-4,419.34	5,319.85	1,896,665.37	529,614.24	36.212661	-107.732946
12,371.00	90.37	137.62	4,784.28	-4,486.04	5,381.74	1,896,598.72	529,676.19	36.212478	-107.732736
12,461.00	90.74	137.71	4,783.41	-4,552.57	5,442.35	1,896,532.25	529,736.85	36.212295	-107.732531
12,552.00	91.18	137.40	4,781.89	-4,619.71	5,503.76	1,896,465.16	529,798.32	36.212111	-107.732322
12,643.00	89.25	134.70	4,781.55	-4,685.21	5,566.91	1,896,399.70	529,861.52	36.211931	-107.732108
12,733.00	89.13	133.96	4,782.82	-4,748.10	5,631.28	1,896,336.88	529,925.94	36.211758	-107.731890
12,823.00	89.19	133.93	4,784.14	-4,810.55	5,696.07	1,896,274.48	529,990.79	36.211586	-107.731671
12,913.00	89.60	133.18	4,785.09	-4,872.56	5,761.29	1,896,212.52	530,056.06	36.211416	-107.731450
13,003.00	89.53	133.22	4,785.77	-4,934.17	5,826.90	1,896,150.97	530,121.72	36.211247	-107.731227
13,092.00	90.03	132.90	4,786.11	-4,994.93	5,891.92	1,896,090.26	530,186.80	36.211080	-107.731007
13,183.00	90.61	132.94	4,785.60	-5,056.90	5,958.56	1,896,028.35	530,253.49	36.210909	-107.730781
13,273.00	90.87	132.39	4,784.44	-5,117.89	6,024.74	1,895,967.42	530,319.72	36.210742	-107.730557
13,364.00	90.94	132.01	4,783.00	-5,179.01	6,092.14	1,895,906.36	530,387.17	36.210574	-107.730328
13,455.00	90.00	130.87	4,782.26	-5,239.23	6,160.35	1,895,846.19	530,455.44	36.210408	-107.730097
13,546.00	90.54	130.50	4,781.83	-5,298.55	6,229.36	1,895,786.93	530,524.49	36.210245	-107.729863
13,637.00	90.94	131.96	4,780.65	-5,358.52	6,297.79	1,895,727.02	530,592.97	36.210080	-107.729631
13,727.00	90.07	133.05	4,779.86	-5,419.33	6,364.14	1,895,666.27	530,659.37	36.209913	-107.729407
13,819.00	90.22	132.15	4,779.63	-5,481.60	6,431.86	1,895,604.05	530,727.14	36.209742	-107.729177
13,909.00	90.20	133.56	4,779.30	-5,542.81	6,497.83	1,895,542.90	530,793.17	36.209574	-107.728953
14,000.00	92.05	133.86	4,777.51	-5,605.68	6,563.59	1,895,480.09	530,858.99	36.209401	-107.728731
14,090.00	91.58	133.00	4,774.66	-5,667.52	6,628.92	1,895,418.30	530,924.37	36.209231	-107.728509
14,181.00	91.38	131.39	4,772.31	-5,728.61	6,696.31	1,895,357.26	530,991.81	36.209064	-107.728281
14,271.00	91.44	131.93	4,770.10	-5,788.42	6,763.53	1,895,297.51	531,059.08	36.208899	-107.728053
14,366.00	90.34	133.26	4,768.62	-5,852.71	6,833.46	1,895,233.29	531,129.06	36.208723	-107.727816
14,461.00	90.34	132.51	4,768.06	-5,917.36	6,903.06	1,895,168.70	531,198.72	36.208545	-107.727580
14,556.00	89.29	133.83	4,768.36	-5,982.35	6,972.35	1,895,103.76	531,268.06	36.208366	-107.727345
14,651.00	89.13	132.51	4,769.67	-6,047.34	7,041.62	1,895,038.83	531,337.39	36.208188	-107.727111
14,746.00	88.99	131.45	4,771.23	-6,110.87	7,112.23	1,894,975.36	531,408.06	36.208013	-107.726871
14,842.00	89.26	130.84	4,772.70	-6,174.03	7,184.52	1,894,912.27	531,480.39	36.207840	-107.726626
14,937.00	89.87	129.95	4,773.42	-6,235.59	7,256.87	1,894,850.76	531,552.79	36.207670	-107.726381
15,032.00	91.71	131.51	4,772.11	-6,297.57	7,328.84	1,894,788.85	531,624.83	36.207500	-107.726137
15,128.00	92.15	130.20	4,768.88	-6,360.33	7,401.41	1,894,726.15	531,697.45	36.207328	-107.725891
15,223.00	91.75	132.86	4,765.64	-6,423.27	7,472.48	1,894,663.27	531,768.57	36.207155	-107.725650
15,318.00	91.82	133.01	4,762.68	-6,487.95	7,542.00	1,894,598.65	531,838.14	36.206977	-107.725415
15,413.00	90.03	132.80	4,761.15	-6,552.61	7,611.57	1,894,534.04	531,907.77	36.206799	-107.725179
15,508.00	90.81	131.55	4,760.45	-6,616.39	7,681.97	1,894,470.32	531,978.23	36.206624	-107.724941
15,603.00	91.54	130.75	4,758.50	-6,678.89	7,753.49	1,894,407.88	532,049.80	36.206452	-107.724698
15,698.00	91.28	129.25	4,756.17	-6,739.94	7,826.24	1,894,346.90	532,122.60	36.206284	-107.724452
15,791.00	91.19	127.53	4,754.16	-6,797.67	7,899.12	1,894,289.23	532,195.52	36.206126	-107.724205
RSI@ 15791' MD, 1894289.23 N & 532195.52 E									
15,793.00	91.19	127.49	4,754.12	-6,798.89	7,900.70	1,894,288.01	532,197.11	36.206122	-107.724199
Last Survey Lateral									
15,857.17	91.19	127.49	4,752.79	-6,837.94	7,951.61	1,894,249.01	532,248.05	36.206015	-107.724027
753H BHL									
15,866.00	91.19	127.49	4,752.60	-6,843.31	7,958.61	1,894,243.64	532,255.06	36.206000	-107.724003
BP@ 15866' MD, 1894243.64 N & 532255.06 E									

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lyrbook UT 753H
Project:	T23N R9W	TVD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Site:	W Lybrook UT 716 Pad	MD Reference:	GL 6719 + KB 21 = @ 6740.00usft (Cyclone 32)
Well:	W Lyrbook UT 753H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Grand Junction District

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
5,474.00	4,792.78	7"	7	8-3/4

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
442.00	441.96	-2.42	-2.99	First Survey Int.
4,088.00	3,949.68	948.03	-60.85	Last Survey Int.
4,119.00	3,980.20	953.41	-60.37	First Survey Curve
5,421.00	4,794.39	531.97	577.95	Last Survey Curve
5,474.00	4,792.78	493.44	614.30	7"Casing@ 5474' MD, 1901574.15 N & 524904.52 E
5,500.00	4,791.82	474.45	632.04	First Survey Lateral
15,791.00	4,754.16	-6,797.67	7,899.12	RSI@ 15791' MD, 1894289.23 N & 532195.52 E
15,793.00	4,754.12	-6,798.89	7,900.70	Last Survey Lateral
15,866.00	4,752.60	-6,843.31	7,958.61	BP@ 15866' MD, 1894243.64 N & 532255.06 E

Checked By: _____	Approved By: _____	Date: _____
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