

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

OIL CONS. DIV. DIST. REPORT
AMENDED REPORT
OCT 26 2017
As Drilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35812	² Pool Code 98157	³ Pool Name LYBROOK MANCOS W
⁴ Property Code 315250	⁵ Property Name W LYBROOK UNIT	⁶ Well Number 719H
⁷ OGRID No. 120782	⁸ Operator Name WPX ENERGY PRODUCTION, LLC	⁹ Elevation 6719'

¹⁰ Surface Location

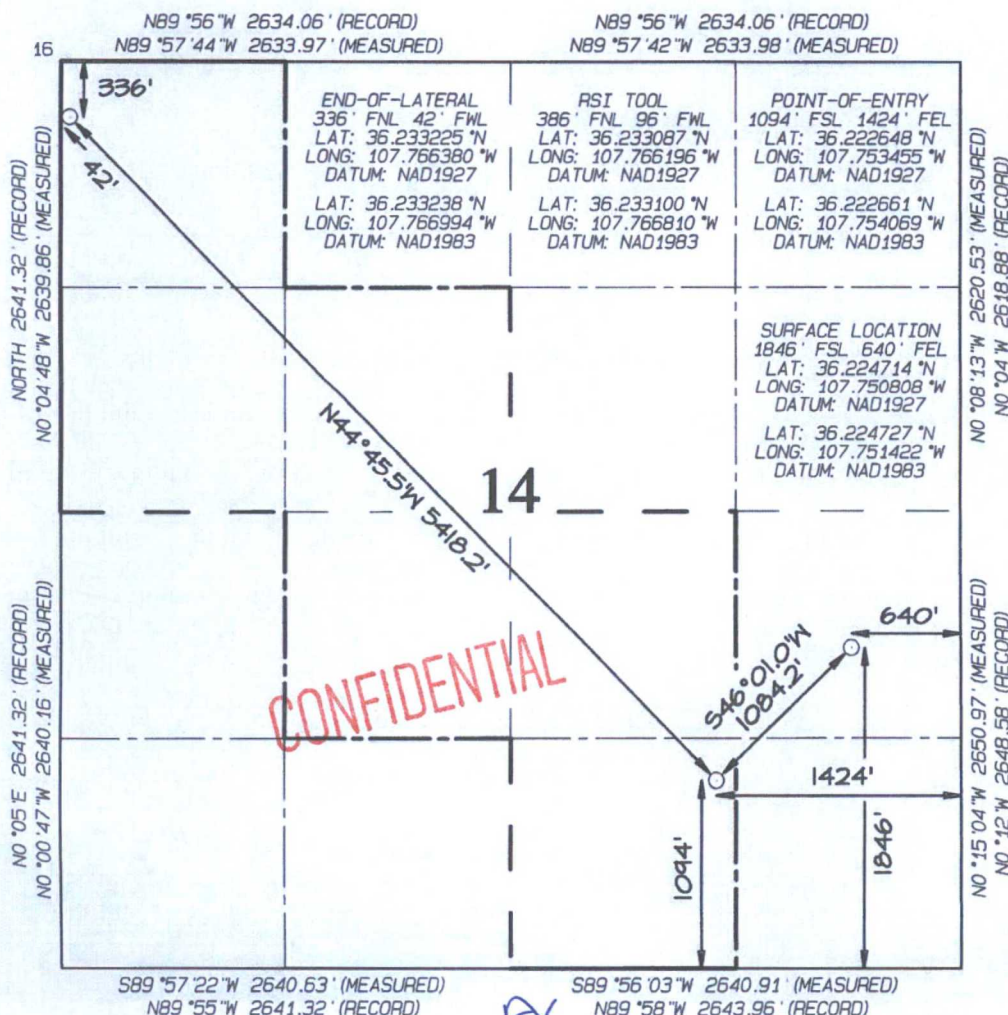
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	14	23N	9W		1846	SOUTH	640	EAST	SAN JUAN

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
D	14	23N	9W		336	NORTH	42	WEST	SAN JUAN

¹² Dedicated Acres 240.00	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-14051 - 12,807.24 Acres
W/2 NW/4, SE/4 NW/4 NE/4 SW/4, W/2 SE/4 - Section 14			

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.

Signature: Lacey granillo
Date: 10/25/17

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: SEPTEMBER 26, 2017
Survey Date: SEPTEMBER 16, 2015

Signature and Seal of Professional Surveyor

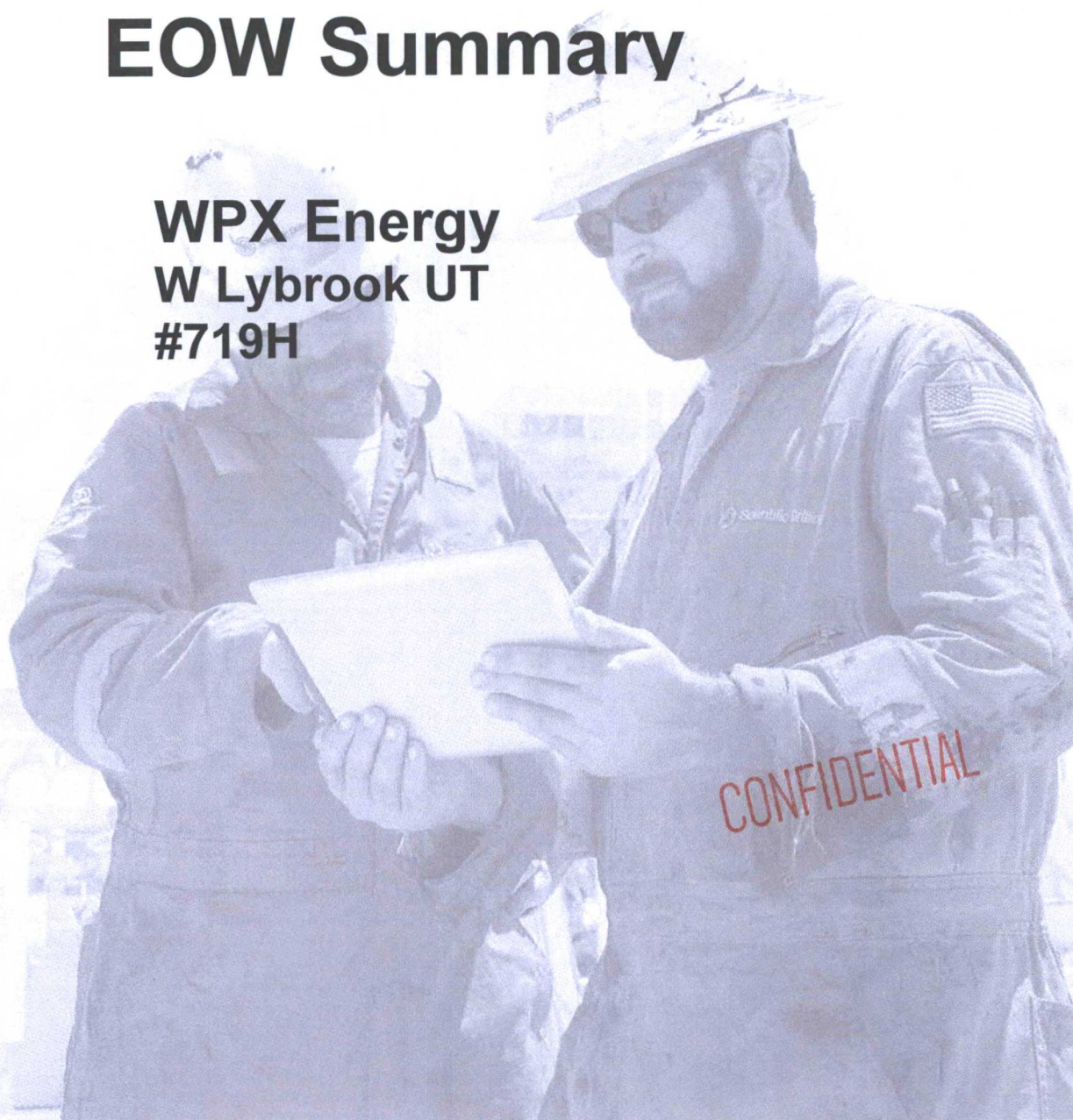


JASON C. EDWARDS
Certificate Number 15269



EOW Summary

WPX Energy
W Lybrook UT
#719H



CONFIDENTIAL



W Lybrook UT 719H
T23N R9W
Northing: 1901047.83
Easting: 524341.10
Actual

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



WELL DETAILS W Lybrook UT 719H

Ground Level: 6719.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1901047.83	524341.10	36.224714	-107.750808

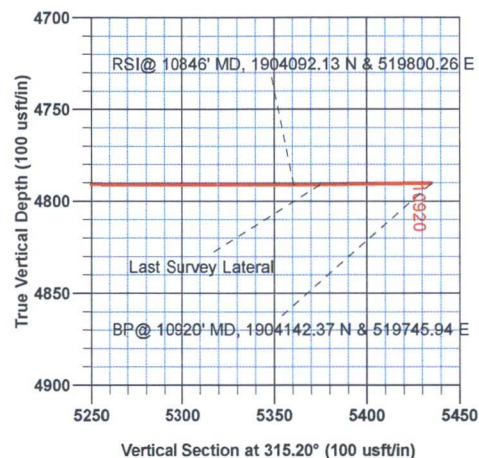
TVD	MD
439.00	438.97
4009.27	4217.00
4039.17	4248.00
4754.73	5453.00
4754.07	5497.00
4754.42	5583.00
4791.31	10846.00
4791.18	10860.00
4790.51	10920.00

ANNOTATIONS

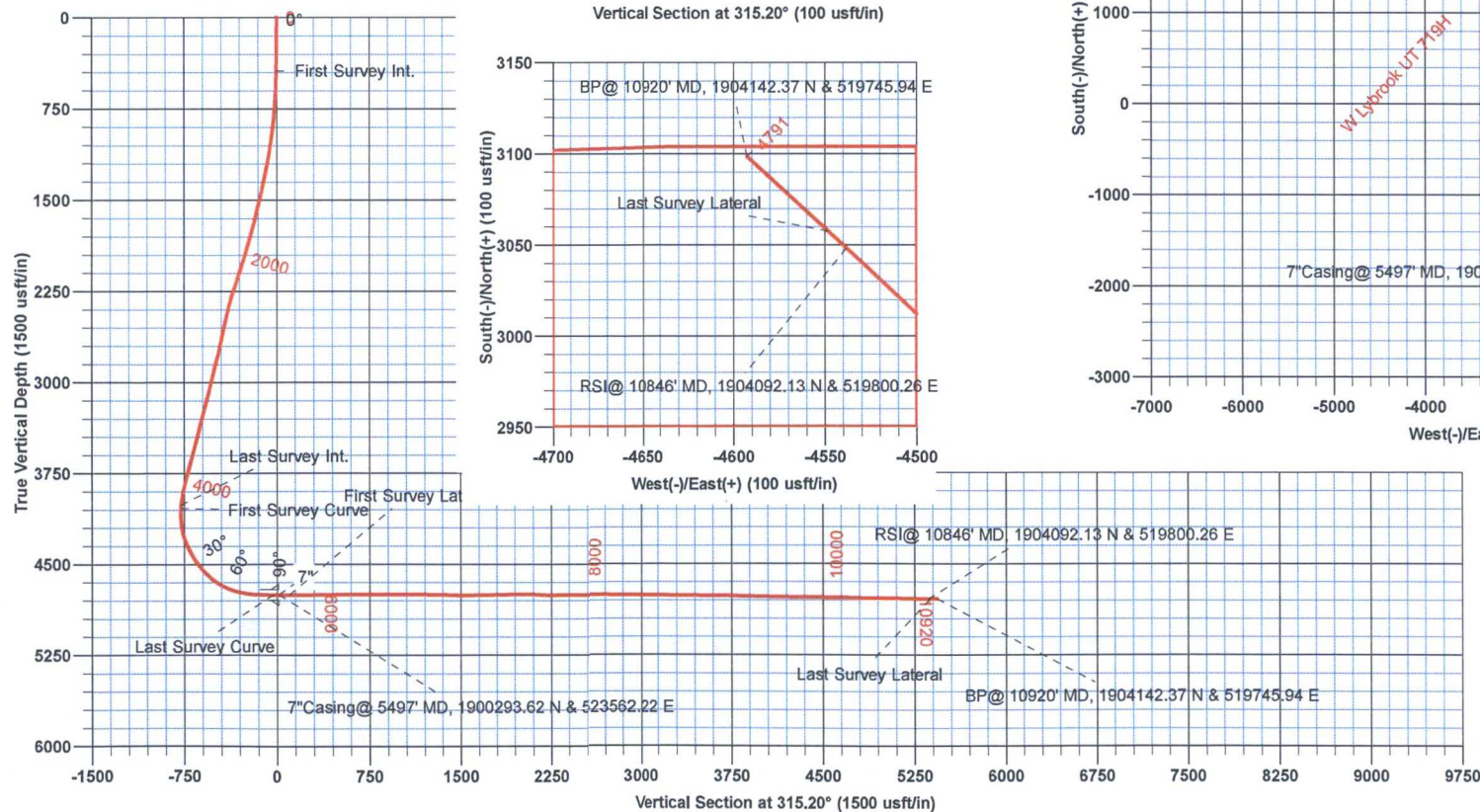
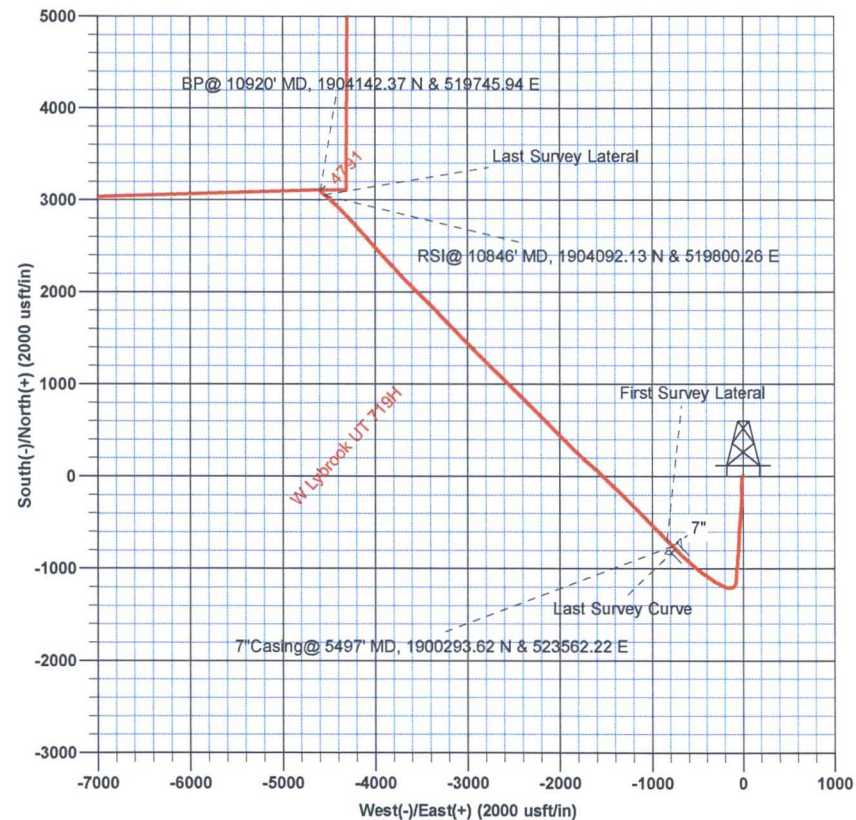
Annotation
First Survey Int.
Last Survey Int.
First Survey Curve
Last Survey Curve
7" Casing @ 5497' MD, 1900293.62 N & 523562.22 E
First Survey Lateral
Last Survey Lateral
RSI @ 10846' MD, 1904092.13 N & 519800.26 E
Last Survey Lateral
BP @ 10920' MD, 1904142.37 N & 519745.94 E



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



0.05



Bailey Fellows
13:41, September 21 2017

Scientific Drilling
325 S. Faudree Rd.
Odessa, TX 79765

WPX Energy

T23N R9W

W Lybrook UT 716 Pad

W Lybrook UT 719H

API: 30-045-35812

Wellbore #1

Design: Actual

Survey Report - Geographic

21 September, 2017



www.scientificdrilling.com



Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT 719H
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 Lybrook UT 719H	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 Lybrook UT 719H					
Well Position	+N/-S	0.00 usft	Northing:	1,901,047.83 usft	Latitude:	36.224714
	+E/-W	0.00 usft	Easting:	524,341.10 usft	Longitude:	-107.750808
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	315.20	

Survey Program	Date	9/21/2017			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
21.00	321.00	Gyros (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
439.00	4,217.00	SDI MWD Intermediate (Wellbore #1)	MWD+HDGM	OWSG MWD + HDGM	
4,248.00	5,453.00	SDI MWD Curve (Wellbore #1)	MWD+HDGM	OWSG MWD + HDGM	
5,583.00	10,920.00	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	1,901,047.83	524,341.10	36.224714	-107.750808
21.00	0.00	0.00	21.00	0.00	0.00	1,901,047.83	524,341.10	36.224714	-107.750808
51.00	0.33	252.02	51.00	-0.03	-0.08	1,901,047.81	524,341.02	36.224714	-107.750809
81.00	0.53	212.33	81.00	-0.17	-0.24	1,901,047.66	524,340.86	36.224714	-107.750809
111.00	0.61	207.29	111.00	-0.43	-0.39	1,901,047.40	524,340.71	36.224713	-107.750810
141.00	0.73	204.37	141.00	-0.75	-0.54	1,901,047.09	524,340.56	36.224712	-107.750810
171.00	0.71	196.79	170.99	-1.10	-0.67	1,901,046.74	524,340.43	36.224711	-107.750811
201.00	0.63	203.43	200.99	-1.43	-0.79	1,901,046.41	524,340.31	36.224710	-107.750811
231.00	0.53	209.06	230.99	-1.70	-0.92	1,901,046.13	524,340.18	36.224709	-107.750811

Scientific Drilling Int.

Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT 719H
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 Lybrook UT 719H	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	0.77	224.99	260.99	-1.96	-1.13	1,901,045.87	524,339.97	36.224709	-107.750812
291.00	0.78	225.43	290.98	-2.25	-1.42	1,901,045.58	524,339.68	36.224708	-107.750813
321.00	0.81	234.43	320.98	-2.52	-1.74	1,901,045.32	524,339.36	36.224707	-107.750814
439.00	1.09	204.85	438.97	-4.02	-2.89	1,901,043.81	524,338.21	36.224703	-107.750818
First Survey Int.									
529.00	2.79	194.52	528.91	-6.92	-3.80	1,901,040.91	524,337.31	36.224695	-107.750821
620.00	4.41	192.44	619.73	-12.48	-5.11	1,901,035.35	524,336.00	36.224680	-107.750826
710.00	6.99	187.07	709.28	-21.29	-6.53	1,901,026.53	524,334.59	36.224656	-107.750830
801.00	8.72	184.19	799.42	-33.67	-7.71	1,901,014.16	524,333.42	36.224622	-107.750834
891.00	9.85	184.57	888.24	-48.15	-8.82	1,900,999.68	524,332.32	36.224582	-107.750838
982.00	11.89	186.75	977.60	-65.22	-10.55	1,900,982.61	524,330.61	36.224535	-107.750844
1,073.00	13.81	183.92	1,066.32	-85.36	-12.39	1,900,962.46	524,328.78	36.224480	-107.750850
1,163.00	15.49	182.85	1,153.39	-108.09	-13.72	1,900,939.74	524,327.47	36.224417	-107.750855
1,254.00	14.87	180.13	1,241.22	-131.90	-14.35	1,900,915.92	524,326.86	36.224352	-107.750857
1,344.00	16.88	180.64	1,327.78	-156.52	-14.53	1,900,891.30	524,326.71	36.224284	-107.750858
1,435.00	15.98	177.22	1,415.07	-182.24	-14.07	1,900,865.58	524,327.19	36.224213	-107.750856
1,525.00	18.63	180.31	1,500.99	-208.99	-13.54	1,900,838.83	524,327.73	36.224140	-107.750854
1,616.00	18.06	180.90	1,587.36	-237.63	-13.84	1,900,810.19	524,327.46	36.224061	-107.750855
1,706.00	21.38	183.74	1,672.07	-267.96	-15.13	1,900,779.86	524,326.19	36.223978	-107.750860
1,797.00	20.48	181.92	1,757.07	-300.42	-16.75	1,900,747.39	524,324.61	36.223889	-107.750865
1,887.00	23.71	183.51	1,840.45	-334.23	-18.38	1,900,713.59	524,323.00	36.223796	-107.750871
1,978.00	24.20	183.85	1,923.61	-371.10	-20.76	1,900,676.71	524,320.66	36.223695	-107.750879
2,068.00	25.34	184.31	2,005.33	-408.71	-23.44	1,900,639.10	524,318.01	36.223591	-107.750888
2,159.00	26.44	185.25	2,087.19	-448.31	-26.76	1,900,599.50	524,314.72	36.223483	-107.750899
2,249.00	27.05	184.75	2,167.57	-488.65	-30.29	1,900,559.15	524,311.23	36.223372	-107.750911
2,340.00	24.91	184.82	2,249.36	-528.38	-33.61	1,900,519.43	524,307.94	36.223263	-107.750922
2,430.00	23.58	183.46	2,331.43	-565.23	-36.29	1,900,482.57	524,305.29	36.223161	-107.750931
2,521.00	20.49	184.34	2,415.77	-599.29	-38.59	1,900,448.51	524,303.01	36.223068	-107.750939
2,611.00	18.20	182.08	2,500.68	-629.05	-40.30	1,900,418.75	524,301.34	36.222986	-107.750945
2,702.00	16.89	182.22	2,587.45	-656.46	-41.33	1,900,391.34	524,300.33	36.222911	-107.750948
2,792.00	16.44	181.01	2,673.67	-682.26	-42.06	1,900,365.54	524,299.62	36.222840	-107.750951
2,883.00	18.06	179.48	2,760.57	-709.24	-42.16	1,900,338.56	524,299.55	36.222766	-107.750951
2,973.00	19.36	185.42	2,845.82	-738.05	-43.44	1,900,309.75	524,298.29	36.222687	-107.750956
3,064.00	21.35	185.61	2,931.13	-769.55	-46.48	1,900,278.24	524,295.27	36.222600	-107.750966
3,154.00	20.86	184.53	3,015.10	-801.83	-49.35	1,900,245.96	524,292.43	36.222511	-107.750976
3,245.00	19.90	183.71	3,100.40	-833.44	-51.63	1,900,214.35	524,290.18	36.222425	-107.750983
3,340.00	22.63	185.61	3,188.93	-867.77	-54.46	1,900,180.02	524,287.37	36.222330	-107.750993
3,435.00	21.01	185.16	3,277.12	-902.92	-57.78	1,900,144.86	524,284.08	36.222234	-107.751004
3,530.00	20.10	184.42	3,366.07	-936.16	-60.57	1,900,111.63	524,281.32	36.222142	-107.751014
3,625.00	21.36	185.44	3,454.92	-969.66	-63.47	1,900,078.12	524,278.45	36.222050	-107.751023
3,721.00	21.65	183.79	3,544.23	-1,004.73	-66.30	1,900,043.05	524,275.66	36.221954	-107.751033
3,816.00	24.01	185.63	3,631.79	-1,041.46	-69.35	1,900,006.32	524,272.63	36.221853	-107.751043
3,911.00	21.20	185.22	3,719.48	-1,077.80	-72.81	1,899,969.97	524,269.20	36.221753	-107.751055
4,006.00	20.69	184.12	3,808.20	-1,111.65	-75.58	1,899,936.12	524,266.46	36.221660	-107.751065
4,058.00	18.24	182.95	3,857.23	-1,128.94	-76.66	1,899,918.83	524,265.40	36.221613	-107.751068
4,090.00	17.71	181.40	3,887.66	-1,138.81	-77.04	1,899,908.96	524,265.03	36.221586	-107.751069
4,122.00	17.55	183.28	3,918.16	-1,148.49	-77.43	1,899,899.28	524,264.64	36.221559	-107.751071
4,153.00	17.30	189.29	3,947.74	-1,157.71	-78.44	1,899,890.06	524,263.64	36.221534	-107.751074
4,185.00	15.87	198.34	3,978.41	-1,166.56	-80.59	1,899,881.21	524,261.50	36.221509	-107.751081
4,217.00	14.98	207.50	4,009.27	-1,174.38	-83.88	1,899,873.38	524,258.22	36.221488	-107.751093
Last Survey Int.									
4,248.00	15.56	213.09	4,039.17	-1,181.42	-88.00	1,899,866.34	524,254.11	36.221469	-107.751107
First Survey Curve									
4,280.00	16.32	218.70	4,069.94	-1,188.52	-93.15	1,899,859.23	524,248.96	36.221449	-107.751124
4,312.00	16.87	227.46	4,100.62	-1,195.17	-99.38	1,899,852.58	524,242.73	36.221431	-107.751145

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT 719H
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 Lybrook UT 719H	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
4,344.00	17.68	236.14	4,131.18	-1,201.02	-106.84	1,899,846.72	524,235.28	36.221415	-107.751170
4,376.00	18.19	245.13	4,161.63	-1,205.83	-115.41	1,899,841.91	524,226.71	36.221401	-107.751200
4,408.00	18.62	255.23	4,192.00	-1,209.23	-124.88	1,899,838.49	524,217.24	36.221392	-107.751232
4,439.00	19.28	263.33	4,221.32	-1,211.09	-134.76	1,899,836.63	524,207.37	36.221387	-107.751265
4,471.00	20.48	269.70	4,251.42	-1,211.73	-145.60	1,899,835.98	524,196.53	36.221385	-107.751302
4,503.00	22.13	274.75	4,281.23	-1,211.26	-157.21	1,899,836.44	524,184.92	36.221387	-107.751341
4,535.00	23.78	279.63	4,310.70	-1,209.69	-169.58	1,899,838.00	524,172.55	36.221391	-107.751383
4,567.00	24.98	284.02	4,339.85	-1,206.97	-182.50	1,899,840.71	524,159.63	36.221398	-107.751427
4,598.00	26.59	288.32	4,367.77	-1,203.20	-195.43	1,899,844.47	524,146.69	36.221409	-107.751471
4,630.00	28.40	291.32	4,396.15	-1,198.18	-209.32	1,899,849.47	524,132.79	36.221422	-107.751518
4,662.00	29.91	294.31	4,424.10	-1,192.13	-223.69	1,899,855.51	524,118.43	36.221439	-107.751567
4,693.00	32.11	296.00	4,450.67	-1,185.34	-238.14	1,899,862.29	524,103.97	36.221458	-107.751616
4,725.00	34.56	296.96	4,477.40	-1,177.49	-253.87	1,899,870.13	524,088.23	36.221479	-107.751669
4,757.00	36.84	298.80	4,503.39	-1,168.75	-270.37	1,899,878.85	524,071.72	36.221503	-107.751725
4,789.00	39.25	301.38	4,528.59	-1,158.86	-287.43	1,899,888.73	524,054.66	36.221531	-107.751783
4,820.00	41.92	302.92	4,552.13	-1,148.12	-304.49	1,899,899.45	524,037.58	36.221560	-107.751841
4,852.00	44.86	303.49	4,575.38	-1,136.08	-322.88	1,899,911.48	524,019.18	36.221593	-107.751903
4,884.00	47.56	303.73	4,597.52	-1,123.30	-342.12	1,899,924.25	523,999.94	36.221628	-107.751968
4,916.00	50.32	304.40	4,618.54	-1,109.78	-362.10	1,899,937.75	523,979.94	36.221665	-107.752036
4,947.00	53.32	304.58	4,637.70	-1,095.98	-382.19	1,899,951.53	523,959.85	36.221703	-107.752104
4,979.00	56.97	305.00	4,655.98	-1,081.00	-403.75	1,899,966.49	523,938.27	36.221744	-107.752177
5,011.00	60.08	305.35	4,672.69	-1,065.28	-426.05	1,899,982.19	523,915.95	36.221788	-107.752253
5,042.00	63.23	306.06	4,687.41	-1,049.36	-448.20	1,899,998.10	523,893.79	36.221831	-107.752328
5,074.00	66.60	306.99	4,700.97	-1,032.11	-471.49	1,900,015.33	523,870.49	36.221879	-107.752407
5,106.00	69.96	307.88	4,712.81	-1,014.04	-495.09	1,900,033.37	523,846.88	36.221928	-107.752487
5,137.00	72.56	308.60	4,722.77	-995.87	-518.14	1,900,051.53	523,823.81	36.221978	-107.752565
5,169.00	75.43	309.25	4,731.59	-976.54	-542.07	1,900,070.83	523,799.86	36.222031	-107.752646
5,201.00	78.16	309.84	4,738.90	-956.71	-566.09	1,900,090.64	523,775.83	36.222086	-107.752727
5,233.00	80.72	310.32	4,744.77	-936.46	-590.15	1,900,110.88	523,751.74	36.222141	-107.752809
5,264.00	83.77	310.51	4,748.95	-916.54	-613.54	1,900,130.77	523,728.34	36.222196	-107.752888
5,296.00	86.64	311.36	4,751.62	-895.65	-637.63	1,900,151.64	523,704.24	36.222254	-107.752970
5,328.00	88.12	311.82	4,753.09	-874.43	-661.53	1,900,172.84	523,680.31	36.222312	-107.753051
5,360.00	88.16	314.64	4,754.13	-852.53	-684.83	1,900,194.72	523,656.99	36.222372	-107.753130
5,423.00	90.10	316.65	4,755.08	-807.49	-728.87	1,900,239.72	523,612.92	36.222496	-107.753279
5,453.00	91.24	317.08	4,754.73	-785.60	-749.38	1,900,261.59	523,592.39	36.222556	-107.753349
Last Survey Curve									
5,497.00	90.49	316.44	4,754.07	-753.55	-779.52	1,900,293.62	523,562.22	36.222644	-107.753451
7"Casing@ 5497' MD, 1900293.62 N & 523562.22 E									
5,498.87	90.46	316.41	4,754.05	-752.20	-780.81	1,900,294.97	523,560.93	36.222648	-107.753455
719H POE									
5,583.00	89.03	315.19	4,754.42	-691.89	-839.45	1,900,355.23	523,502.24	36.222813	-107.753654
First Survey Lateral									
5,678.00	89.77	315.31	4,755.42	-624.42	-906.33	1,900,422.64	523,435.30	36.222999	-107.753881
5,773.00	90.44	315.12	4,755.25	-557.00	-973.25	1,900,490.01	523,368.32	36.223184	-107.754108
5,868.00	90.74	315.59	4,754.27	-489.41	-1,040.01	1,900,557.54	523,301.51	36.223370	-107.754334
5,963.00	89.70	315.05	4,753.90	-421.86	-1,106.80	1,900,625.03	523,234.66	36.223555	-107.754561
6,058.00	90.57	315.25	4,753.68	-354.51	-1,173.80	1,900,692.32	523,167.60	36.223740	-107.754788
6,153.00	90.57	315.19	4,752.73	-287.08	-1,240.71	1,900,759.69	523,100.63	36.223925	-107.755015
6,243.00	88.79	314.30	4,753.24	-223.73	-1,304.63	1,900,822.99	523,036.66	36.224099	-107.755231
6,335.00	89.40	314.25	4,754.69	-159.51	-1,370.50	1,900,887.15	522,970.74	36.224276	-107.755455
6,426.00	90.67	314.63	4,754.63	-95.80	-1,435.47	1,900,950.81	522,905.71	36.224451	-107.755675
6,517.00	91.14	314.22	4,753.20	-32.11	-1,500.45	1,901,014.44	522,840.68	36.224626	-107.755895
6,608.00	91.11	313.66	4,751.41	31.02	-1,565.96	1,901,077.52	522,775.11	36.224799	-107.756117
6,700.00	88.15	311.60	4,752.00	93.32	-1,633.64	1,901,139.76	522,707.38	36.224970	-107.756347

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT 719H
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 Lybrook UT 719H	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
6,791.00	88.09	310.43	4,754.99	153.00	-1,702.26	1,901,199.39	522,638.71	36.225134	-107.756580
6,880.00	88.36	312.77	4,757.75	212.06	-1,768.78	1,901,258.39	522,572.14	36.225297	-107.756805
6,971.00	88.92	314.88	4,759.91	275.05	-1,834.41	1,901,321.32	522,506.46	36.225470	-107.757028
7,061.00	90.23	315.64	4,760.57	338.98	-1,897.76	1,901,385.20	522,443.06	36.225645	-107.757242
7,150.00	91.08	315.57	4,759.56	402.57	-1,960.01	1,901,448.73	522,380.74	36.225820	-107.757454
7,240.00	91.91	315.47	4,757.21	466.76	-2,023.05	1,901,512.87	522,317.65	36.225996	-107.757667
7,331.00	91.47	315.32	4,754.52	531.52	-2,086.93	1,901,577.58	522,253.72	36.226174	-107.757884
7,421.00	91.45	315.19	4,752.23	595.42	-2,150.26	1,901,641.42	522,190.33	36.226350	-107.758099
7,511.00	89.00	314.82	4,751.88	659.06	-2,213.89	1,901,705.01	522,126.65	36.226524	-107.758314
7,602.00	87.59	315.01	4,754.59	723.28	-2,278.30	1,901,769.17	522,062.18	36.226701	-107.758533
7,693.00	89.26	315.18	4,757.09	787.71	-2,342.51	1,901,833.55	521,997.91	36.226878	-107.758750
7,784.00	90.81	314.49	4,757.03	851.87	-2,407.04	1,901,897.65	521,933.33	36.227054	-107.758969
7,874.00	90.91	315.29	4,755.68	915.38	-2,470.80	1,901,961.11	521,869.52	36.227228	-107.759185
7,964.00	89.06	314.78	4,755.70	979.05	-2,534.40	1,902,024.73	521,805.87	36.227403	-107.759401
8,053.00	89.39	313.80	4,756.91	1,041.19	-2,598.10	1,902,086.81	521,742.12	36.227574	-107.759617
8,144.00	90.34	313.25	4,757.12	1,103.86	-2,664.08	1,902,149.43	521,676.08	36.227746	-107.759841
8,233.00	88.13	313.95	4,758.31	1,165.23	-2,728.52	1,902,210.74	521,611.59	36.227915	-107.760059
8,324.00	89.97	314.43	4,759.82	1,228.65	-2,793.76	1,902,274.10	521,546.30	36.228089	-107.760281
8,414.00	89.23	316.34	4,760.45	1,292.71	-2,856.96	1,902,338.11	521,483.04	36.228265	-107.760495
8,505.00	89.87	315.43	4,761.16	1,358.04	-2,920.30	1,902,403.38	521,419.64	36.228444	-107.760710
8,596.00	88.69	316.09	4,762.31	1,423.22	-2,983.79	1,902,468.52	521,356.10	36.228623	-107.760925
8,687.00	90.20	315.30	4,763.19	1,488.34	-3,047.34	1,902,533.58	521,292.49	36.228802	-107.761140
8,778.00	87.86	315.88	4,764.73	1,553.33	-3,111.01	1,902,598.52	521,228.77	36.228981	-107.761356
8,868.00	89.36	315.49	4,766.91	1,617.71	-3,173.86	1,902,662.84	521,165.86	36.229158	-107.761569
8,959.00	89.40	317.04	4,767.90	1,683.45	-3,236.77	1,902,728.53	521,102.90	36.229338	-107.761783
9,050.00	90.94	316.48	4,767.63	1,749.74	-3,299.11	1,902,794.77	521,040.51	36.229520	-107.761994
9,141.00	91.18	316.53	4,765.94	1,815.75	-3,361.73	1,902,860.72	520,977.83	36.229702	-107.762206
9,231.00	86.00	314.88	4,768.16	1,880.12	-3,424.54	1,902,925.04	520,914.96	36.229879	-107.762419
9,321.00	87.79	313.69	4,773.03	1,942.87	-3,488.87	1,902,987.73	520,850.58	36.230051	-107.762638
9,412.00	88.80	314.97	4,775.74	2,006.43	-3,553.93	1,903,051.23	520,785.46	36.230225	-107.762858
9,507.00	89.39	316.40	4,777.24	2,074.39	-3,620.29	1,903,119.14	520,719.05	36.230412	-107.763083
9,602.00	89.80	316.31	4,777.91	2,143.13	-3,685.85	1,903,187.83	520,653.42	36.230601	-107.763306
9,697.00	89.66	317.08	4,778.36	2,212.26	-3,751.01	1,903,256.90	520,588.21	36.230791	-107.763527
9,792.00	88.69	316.74	4,779.73	2,281.63	-3,815.90	1,903,326.22	520,523.25	36.230981	-107.763747
9,887.00	90.40	317.80	4,780.48	2,351.41	-3,880.36	1,903,395.94	520,458.74	36.231173	-107.763965
9,982.00	89.13	317.73	4,780.87	2,421.75	-3,944.21	1,903,466.22	520,394.82	36.231366	-107.764182
10,077.00	90.44	318.41	4,781.23	2,492.42	-4,007.69	1,903,536.84	520,331.29	36.231560	-107.764397
10,172.00	87.28	317.91	4,783.12	2,563.17	-4,071.04	1,903,607.54	520,267.88	36.231755	-107.764612
10,267.00	87.62	318.04	4,787.34	2,633.67	-4,134.58	1,903,677.99	520,204.28	36.231948	-107.764827
10,362.00	89.97	318.52	4,789.34	2,704.56	-4,197.78	1,903,748.82	520,141.02	36.232143	-107.765042
10,457.00	90.40	317.87	4,789.03	2,775.37	-4,261.11	1,903,819.58	520,077.63	36.232338	-107.765256
10,551.00	90.00	315.52	4,788.71	2,843.77	-4,325.57	1,903,887.92	520,013.11	36.232525	-107.765475
10,646.00	88.73	313.83	4,789.76	2,910.56	-4,393.12	1,903,954.65	519,945.50	36.232709	-107.765704
10,741.00	89.57	313.47	4,791.17	2,976.13	-4,461.85	1,904,020.16	519,876.72	36.232889	-107.765937
10,836.00	90.20	313.21	4,791.36	3,041.33	-4,530.94	1,904,085.30	519,807.57	36.233068	-107.766171
10,846.00	90.38	313.04	4,791.31	3,048.16	-4,538.24	1,904,092.13	519,800.26	36.233087	-107.766196
RSI@ 10846' MD, 1904092.13 N & 519800.26 E									
10,860.00	90.64	312.79	4,791.18	3,057.69	-4,548.50	1,904,101.65	519,790.00	36.233113	-107.766231
Last Survey Lateral									
10,920.00	90.64	312.79	4,790.51	3,098.45	-4,592.52	1,904,142.37	519,745.94	36.233225	-107.766380
BP@ 10920' MD, 1904142.37 N & 519745.94 E - 719H BHL									

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT 719H
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 Lybrook UT 719H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Grand Junction District

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
439.00	438.97	-4.02	-2.89	First Survey Int.
4,217.00	4,009.27	-1,174.38	-83.88	Last Survey Int.
4,248.00	4,039.17	-1,181.42	-88.00	First Survey Curve
5,453.00	4,754.73	-785.60	-749.38	Last Survey Curve
5,497.00	4,754.07	-753.55	-779.52	7"Casing@ 5497' MD, 1900293.62 N & 523562.22 E
5,583.00	4,754.42	-691.89	-839.45	First Survey Lateral
10,846.00	4,791.31	3,048.16	-4,538.24	RSI@ 10846' MD, 1904092.13 N & 519800.26 E
10,860.00	4,791.18	3,057.69	-4,548.50	Last Survey Lateral
10,920.00	4,790.51	3,098.45	-4,592.52	BP@ 10920' MD, 1904142.37 N & 519745.94 E

Checked By: _____	Approved By: _____	Date: _____
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