

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

OCT 26 2015
REPORT

AsDrilled

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35774	*Pool Code 98157	*Pool Name LYBROOK MANCOS W
*Property Code 315250	*Property Name W LYBROOK UNIT	*Well Number 718H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*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		1824	SOUTH	607	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
M	11	23N	9W		506	SOUTH	337	WEST	SAN JUAN

¹² Dedicated Acres 280.00	SW/4 SW/4 - Section 11 N/2 NW/4, SE/4 NW/4 SW/4 NE/4, N/2 SE/4 Section 14	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

END-OF-LATERAL
506 FSL 337 FWL
SEC. 11, T23N, R9W
LAT: 36.235535°N
LONG: 107.765372°W
DATUM: NAD1927

LAT: 36.235548°N
LONG: 107.765986°W
DATUM: NAD1983

RSI TOOL
451 FSL 389° FEL
SEC. 11, T23N, R9W
LAT: 36.235384°N
LONG: 107.765195°W
DATUM: NAD1927

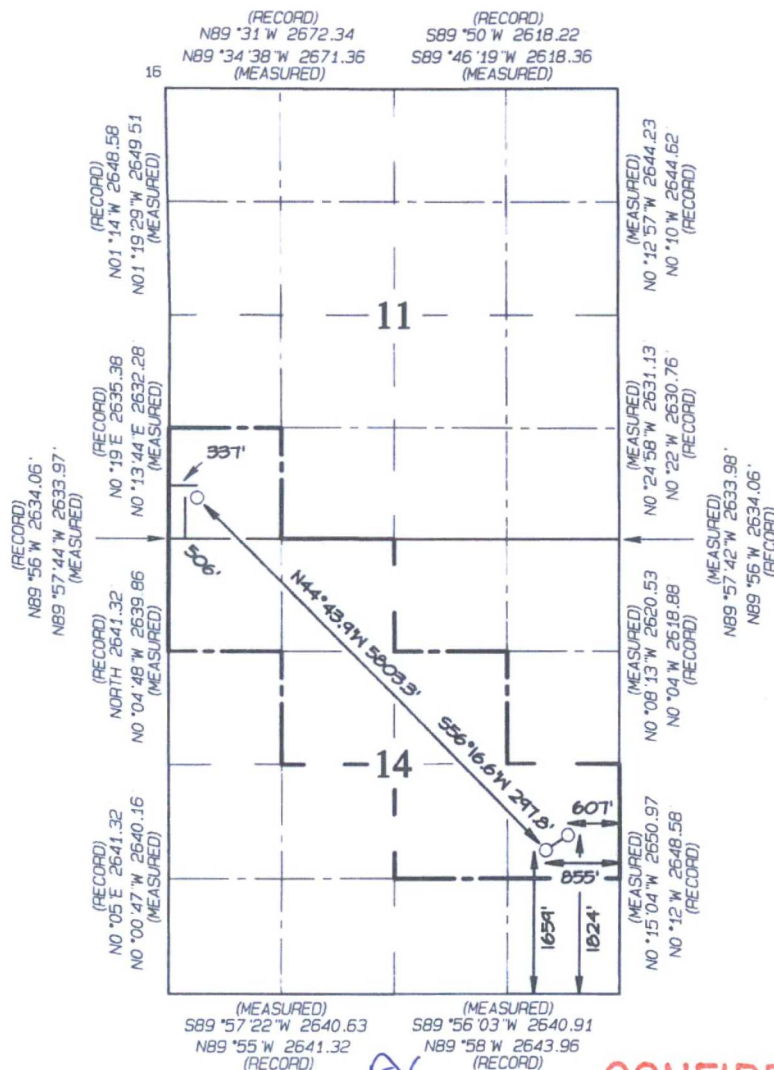
LAT: 36.235396°N
LONG: 107.765809°W
DATUM: NAD1983

POINT-OF-ENTRY
1659 FSL 855° FEL
SEC. 14, T23N, R9W
LAT: 36.224201°N
LONG: 107.751535°W
DATUM: NAD1927

LAT: 36.224214°N
LONG: 107.752148°W
DATUM: NAD1983

SURFACE LOCATION
1824 FSL 607° FEL
SEC. 14, T23N, R9W
LAT: 36.224655°N
LONG: 107.750694°W
DATUM: NAD1927

LAT: 36.224668°N
LONG: 107.751308°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: Lacey Granillo
Date: 10/25/17

Printed Name: Lacey Granillo
E-mail Address: lacey.granillo@wpenergy.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: SEPTEMBER 26, 2017
Survey Date: SEPTEMBER 16, 2015

Signature and Seal of Professional Surveyor



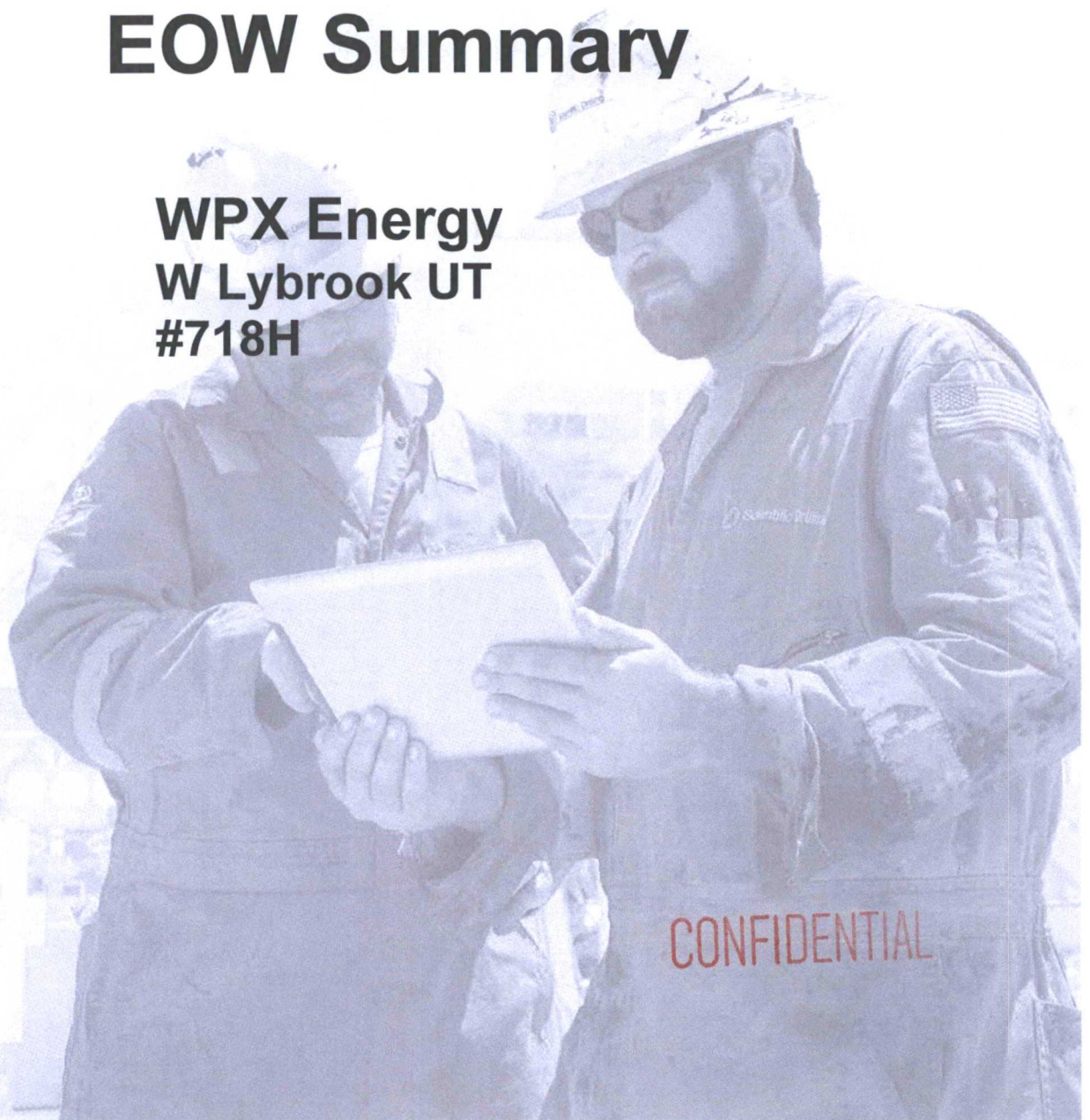
JASON C. EDWARDS
Certificate Number 15269

CONFIDENTIAL



EOW Summary

WPX Energy
W Lybrook UT
#718H



CONFIDENTIAL



W Lybrook UT 718H
T23N R9W
Northing: 1901026.38
Easting: 524374.74
Actual

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



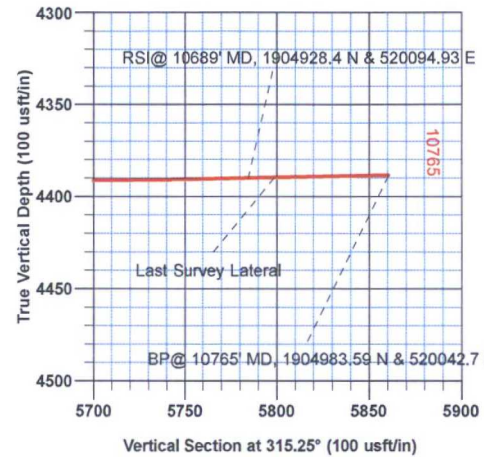
WELL DETAILS W Lybrook UT 718H

	Ground Level: 6719.00		
+N/-S	+E/-W	Northing	Easting
0.00	0.00	1901026.38	524374.74
		Latitude	Longitude
		36.224655	-107.750694

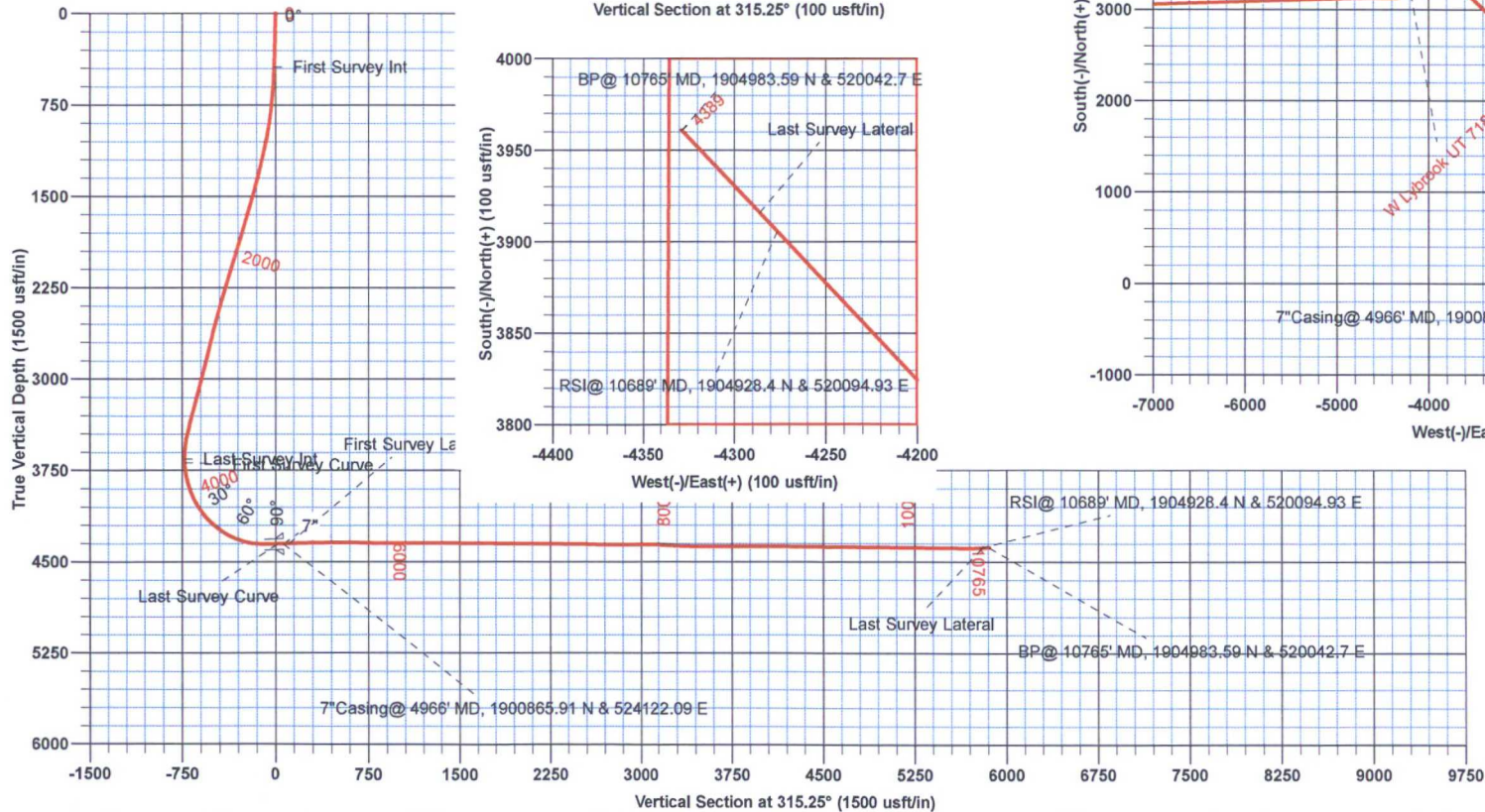
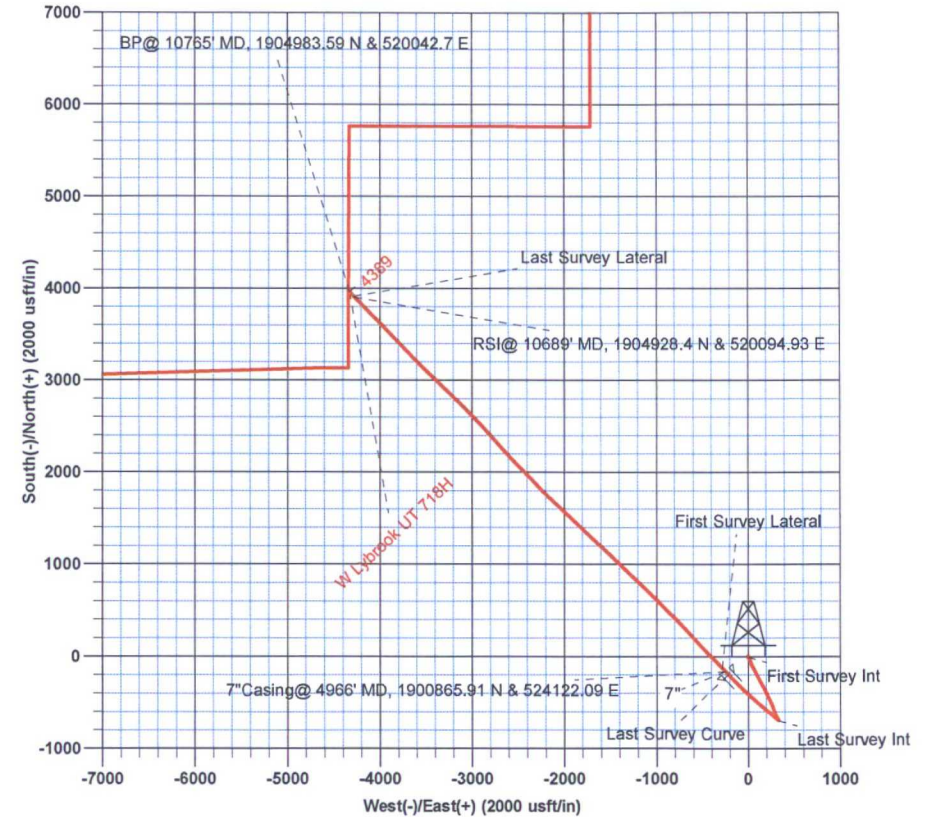
TVD		MD		ANNOTATIONS	
				Annotation	
438.89	439.00			First Survey Int	
3658.33	3758.00			Last Survey Int	
3690.31	3790.00			First Survey Curve	
4356.28	4921.00			Last Survey Curve	
4354.58	4966.00			7"Casing@ 4966' MD, 1900865.91 N & 524122.09 E	
4352.70	5011.00			First Survey Lateral	
4390.38	10689.00			RSI@ 10689' MD, 1904928.4 N & 520094.93 E	
4390.10	10703.00			Last Survey Lateral	
4388.87	10765.00			BP@ 10765' MD, 1904983.59 N & 520042.7 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
13:28, September 21 2017

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

WPX Energy

T23N R9W

W Lybrook UT 716 Pad

W Lybrook UT 718H

API: 30-045-35774

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 718H
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 718H	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 718H				
Well Position	+N/-S	0.00 usft	Northing:	1,901,026.39 usft	Latitude:	36.224655
	+E/-W	0.00 usft	Easting:	524,374.74 usft	Longitude:	-107.750694
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)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	315.25	

Survey Program	Date	9/21/2017			
From	To	Survey (Wellbore)	Tool Name	Description	
(usft)	(usft)				
21.00	311.00	Gyros (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
439.00	3,758.00	SDI MWD Intermediate (Wellbore #1)	MWD+HDGM	OWSG MWD + HDGM	
3,790.00	4,921.00	SDI MWD Curve (Wellbore #1)	MWD+HDGM	OWSG MWD + HDGM	
5,011.00	10,765.00	SDI MWD Lateral (Wellbore #1)	MWD+HDGM	OWSG MWD + HDGM	

Survey										
Measured	Vertical	Map	Map	Latitude	Longitude					
Depth	Depth	Northing	Easting			Inclination	Azimuth	+N/-S	+E/-W	
(usft)	(usft)	(usft)	(usft)			(°)	(°)	(usft)	(usft)	
0.00	0.00	1,901,026.39	524,374.74	36.224655	-107.750694	0.00	0.00	0.00	0.00	
21.00	0.00	1,901,026.39	524,374.74	36.224655	-107.750694	0.00	0.00	0.00	0.00	
51.00	0.54	1,901,026.25	524,374.79	36.224655	-107.750694	160.37	51.00	-0.13	0.05	
81.00	0.85	1,901,025.94	524,374.96	36.224654	-107.750694	145.64	81.00	-0.45	0.22	
111.00	1.02	1,901,025.56	524,375.28	36.224653	-107.750692	135.33	110.99	-0.82	0.53	
141.00	1.32	1,901,025.11	524,375.69	36.224652	-107.750691	138.44	140.99	-1.27	0.95	
171.00	1.13	1,901,024.58	524,376.03	36.224650	-107.750690	159.10	170.98	-1.81	1.29	
201.00	1.13	1,901,024.01	524,376.20	36.224649	-107.750689	167.20	200.97	-2.37	1.46	
231.00	1.25	1,901,023.41	524,376.34	36.224647	-107.750689	167.46	230.97	-2.98	1.59	

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT 718H
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 718H	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	1.32	173.44	260.96	-3.64	1.70	1,901,022.74	524,376.45	36.224645	-107.750688
291.00	1.49	174.76	290.95	-4.37	1.78	1,901,022.01	524,376.52	36.224643	-107.750688
311.00	1.68	173.44	310.94	-4.92	1.84	1,901,021.46	524,376.58	36.224642	-107.750688
439.00	1.68	172.00	438.89	-8.65	2.31	1,901,017.74	524,377.06	36.224631	-107.750686
First Survey Int.									
529.00	3.11	159.03	528.81	-12.23	3.37	1,901,014.16	524,378.12	36.224621	-107.750683
620.00	4.74	154.73	619.59	-17.94	5.86	1,901,008.45	524,380.61	36.224606	-107.750674
710.00	5.93	154.60	709.20	-25.50	9.44	1,901,000.89	524,384.20	36.224585	-107.750662
801.00	7.66	154.71	799.56	-35.23	14.05	1,900,991.17	524,388.82	36.224558	-107.750647
891.00	8.90	153.39	888.62	-46.88	19.73	1,900,979.52	524,394.51	36.224526	-107.750627
982.00	9.78	154.09	978.41	-60.13	26.26	1,900,966.28	524,401.05	36.224490	-107.750605
1,072.00	11.54	155.16	1,066.85	-75.17	33.38	1,900,951.24	524,408.19	36.224449	-107.750581
1,163.00	13.21	159.15	1,155.74	-93.15	40.91	1,900,933.27	524,415.73	36.224399	-107.750556
1,253.00	14.18	153.70	1,243.18	-112.64	49.45	1,900,913.78	524,424.29	36.224346	-107.750527
1,349.00	14.75	152.62	1,336.14	-134.04	60.28	1,900,892.40	524,435.14	36.224287	-107.750490
1,444.00	15.19	153.45	1,427.91	-155.91	71.41	1,900,870.54	524,446.28	36.224227	-107.750452
1,539.00	16.42	153.82	1,519.32	-179.09	82.89	1,900,847.36	524,457.79	36.224163	-107.750413
1,634.00	17.39	153.80	1,610.22	-203.88	95.09	1,900,822.58	524,470.00	36.224095	-107.750372
1,729.00	16.64	151.35	1,701.06	-228.56	107.88	1,900,797.92	524,482.81	36.224027	-107.750329
1,824.00	17.03	153.05	1,791.99	-252.90	120.70	1,900,773.59	524,495.66	36.223960	-107.750285
1,919.00	16.91	152.31	1,882.85	-277.53	133.43	1,900,748.97	524,508.41	36.223893	-107.750242
2,015.00	17.14	150.35	1,974.64	-302.19	146.91	1,900,724.32	524,521.91	36.223825	-107.750196
2,109.00	17.36	151.16	2,064.42	-326.51	160.53	1,900,700.01	524,535.55	36.223758	-107.750150
2,204.00	17.65	151.81	2,155.02	-351.62	174.17	1,900,674.92	524,549.21	36.223689	-107.750104
2,300.00	16.81	155.02	2,246.71	-377.03	186.91	1,900,649.52	524,561.97	36.223619	-107.750061
2,395.00	16.95	154.81	2,337.62	-402.01	198.60	1,900,624.54	524,573.69	36.223551	-107.750021
2,490.00	17.50	155.15	2,428.36	-427.50	210.50	1,900,599.06	524,585.61	36.223481	-107.749981
2,585.00	14.37	151.89	2,519.70	-450.87	222.06	1,900,575.70	524,597.19	36.223416	-107.749941
2,680.00	13.04	150.76	2,611.99	-470.62	232.85	1,900,555.96	524,607.99	36.223362	-107.749905
2,775.00	15.07	156.71	2,704.14	-491.32	242.97	1,900,535.27	524,618.13	36.223305	-107.749871
2,870.00	14.46	155.63	2,796.01	-513.47	252.75	1,900,513.13	524,627.93	36.223245	-107.749837
2,965.00	15.29	160.55	2,887.83	-536.08	261.81	1,900,490.52	524,637.01	36.223182	-107.749807
3,061.00	14.71	160.30	2,980.56	-559.49	270.14	1,900,467.12	524,645.35	36.223118	-107.749778
3,156.00	15.40	163.61	3,072.30	-582.95	277.76	1,900,443.67	524,653.00	36.223054	-107.749753
3,251.00	16.38	154.00	3,163.68	-607.10	287.19	1,900,419.53	524,662.45	36.222987	-107.749721
3,346.00	15.97	154.63	3,254.92	-630.95	298.67	1,900,395.69	524,673.95	36.222922	-107.749682
3,441.00	14.81	154.09	3,346.51	-653.68	309.57	1,900,372.97	524,684.87	36.222859	-107.749645
3,473.00	14.72	154.24	3,377.46	-661.02	313.13	1,900,365.64	524,688.43	36.222839	-107.749633
3,505.00	14.36	154.13	3,408.43	-668.25	316.62	1,900,358.41	524,691.94	36.222819	-107.749621
3,537.00	13.83	152.65	3,439.47	-675.22	320.11	1,900,351.44	524,695.43	36.222800	-107.749609
3,568.00	12.30	153.74	3,469.66	-681.47	323.28	1,900,345.19	524,698.60	36.222783	-107.749598
3,600.00	9.76	156.67	3,501.07	-687.02	325.86	1,900,339.65	524,701.19	36.222768	-107.749590
3,631.00	7.97	160.17	3,531.70	-691.45	327.63	1,900,335.21	524,702.96	36.222756	-107.749584
3,663.00	5.76	155.86	3,563.47	-695.01	329.04	1,900,331.66	524,704.37	36.222746	-107.749579
3,695.00	3.54	150.51	3,595.36	-697.33	330.18	1,900,329.34	524,705.52	36.222739	-107.749575
3,726.00	1.48	129.42	3,626.33	-698.42	330.96	1,900,328.25	524,706.30	36.222736	-107.749572
3,758.00	0.30	2.38	3,658.33	-698.60	331.28	1,900,328.07	524,706.62	36.222736	-107.749571
Last Survey Int.									
3,790.00	2.98	307.84	3,690.31	-698.00	330.63	1,900,328.66	524,705.97	36.222738	-107.749573
First Survey Curve									
3,821.00	5.36	304.13	3,721.23	-696.70	328.80	1,900,329.97	524,704.13	36.222741	-107.749580
3,853.00	7.35	307.25	3,753.03	-694.62	325.93	1,900,332.04	524,701.26	36.222747	-107.749589
3,885.00	9.44	311.06	3,784.68	-691.66	322.32	1,900,335.00	524,697.65	36.222755	-107.749602
3,917.00	11.32	312.66	3,816.16	-687.80	318.03	1,900,338.85	524,693.36	36.222766	-107.749616

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT 718H
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 718H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	Grand Junction District

Survey										
Measured			Vertical			Map	Map			
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting		Latitude	Longitude
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
3,948.00	13.40	313.79	3,846.44	-683.26	313.20	1,900,343.40	524,688.52		36.222778	-107.749632
3,980.00	16.53	312.87	3,877.35	-677.59	307.19	1,900,349.06	524,682.51		36.222794	-107.749653
4,012.00	19.27	313.06	3,907.80	-670.89	299.99	1,900,355.75	524,675.30		36.222812	-107.749677
4,044.00	21.76	312.97	3,937.77	-663.24	291.79	1,900,363.40	524,667.10		36.222833	-107.749705
4,075.00	23.91	312.31	3,966.33	-655.09	282.94	1,900,371.54	524,658.24		36.222855	-107.749735
4,107.00	26.11	310.10	3,995.33	-646.19	272.76	1,900,380.43	524,648.05		36.222880	-107.749770
4,139.00	28.52	308.24	4,023.76	-636.92	261.37	1,900,389.68	524,636.65		36.222905	-107.749808
4,170.00	31.83	308.03	4,050.56	-627.30	249.11	1,900,399.29	524,624.39		36.222932	-107.749850
4,202.00	34.56	308.84	4,077.33	-616.41	235.39	1,900,410.18	524,610.66		36.222962	-107.749896
4,234.00	37.19	309.28	4,103.26	-604.59	220.84	1,900,421.98	524,596.09		36.222994	-107.749946
4,265.00	40.01	309.85	4,127.49	-592.27	205.93	1,900,434.29	524,581.18		36.223028	-107.749996
4,297.00	42.86	309.86	4,151.47	-578.70	189.67	1,900,447.84	524,564.91		36.223065	-107.750051
4,329.00	45.38	310.23	4,174.45	-564.37	172.62	1,900,462.16	524,547.85		36.223105	-107.750109
4,360.00	48.13	310.08	4,195.68	-549.81	155.36	1,900,476.71	524,530.58		36.223145	-107.750168
4,392.00	50.95	310.36	4,216.45	-534.09	136.78	1,900,492.41	524,511.97		36.223188	-107.750231
4,424.00	52.80	310.38	4,236.20	-517.79	117.60	1,900,508.70	524,492.78		36.223233	-107.750296
4,456.00	55.75	310.46	4,254.88	-500.94	97.82	1,900,525.53	524,472.99		36.223279	-107.750363
4,487.00	58.76	310.79	4,271.65	-483.97	78.04	1,900,542.48	524,453.19		36.223326	-107.750430
4,519.00	61.87	311.41	4,287.49	-465.69	57.09	1,900,560.74	524,432.23		36.223376	-107.750501
4,551.00	64.86	312.69	4,301.84	-446.53	35.86	1,900,579.88	524,410.98		36.223428	-107.750573
4,582.00	67.84	313.10	4,314.27	-427.21	15.06	1,900,599.19	524,390.16		36.223481	-107.750643
4,614.00	70.99	313.68	4,325.52	-406.63	-6.71	1,900,619.75	524,368.38		36.223538	-107.750717
4,646.00	73.52	313.47	4,335.28	-385.62	-28.79	1,900,640.74	524,346.28		36.223596	-107.750792
4,677.00	76.75	313.03	4,343.23	-365.10	-50.61	1,900,661.25	524,324.44		36.223652	-107.750866
4,709.00	80.48	314.50	4,349.54	-343.40	-73.26	1,900,682.92	524,301.78		36.223712	-107.750943
4,804.00	89.23	315.64	4,358.05	-276.48	-140.01	1,900,749.79	524,234.97		36.223896	-107.751169
4,899.00	91.98	315.93	4,357.05	-208.40	-206.25	1,900,817.81	524,168.67		36.224083	-107.751394
4,921.00	92.05	316.07	4,356.28	-192.58	-221.52	1,900,833.61	524,153.39		36.224126	-107.751445
Last Survey Curve										
4,958.98	92.24	315.86	4,354.86	-165.30	-247.90	1,900,860.88	524,126.98		36.224201	-107.751535
718H POE										
4,966.00	92.28	315.83	4,354.58	-160.26	-252.79	1,900,865.91	524,122.09		36.224215	-107.751551
7"Casing@ 4966' MD, 1900865.91 N & 524122.09 E - 7"										
5,011.00	92.51	315.58	4,352.70	-128.08	-284.19	1,900,898.06	524,090.66		36.224303	-107.751658
First Survey Lateral										
5,106.00	92.05	316.34	4,348.92	-59.85	-350.17	1,900,966.24	524,024.62		36.224491	-107.751881
5,202.00	91.31	315.71	4,346.10	9.21	-416.80	1,901,035.24	523,957.93		36.224680	-107.752107
5,297.00	91.37	315.39	4,343.88	77.01	-483.31	1,901,102.98	523,891.37		36.224867	-107.752333
5,392.00	90.03	316.43	4,342.72	145.23	-549.40	1,901,171.15	523,825.21		36.225054	-107.752557
5,487.00	89.90	316.48	4,342.78	214.09	-614.85	1,901,239.95	523,759.71		36.225243	-107.752779
5,582.00	88.12	316.40	4,344.42	282.92	-680.30	1,901,308.73	523,694.20		36.225432	-107.753001
5,678.00	87.62	316.82	4,347.99	352.63	-746.21	1,901,378.38	523,628.23		36.225624	-107.753224
5,773.00	90.27	317.26	4,349.74	422.14	-810.93	1,901,447.83	523,563.45		36.225815	-107.753444
5,868.00	90.40	314.50	4,349.18	490.33	-877.06	1,901,515.97	523,497.27		36.226002	-107.753668
5,963.00	90.17	314.86	4,348.71	557.13	-944.61	1,901,582.71	523,429.66		36.226186	-107.753897
6,058.00	90.20	314.93	4,348.40	624.18	-1,011.91	1,901,649.70	523,362.30		36.226370	-107.754125
6,153.00	90.03	315.32	4,348.21	691.50	-1,078.93	1,901,716.97	523,295.22		36.226555	-107.754352
6,248.00	90.27	313.19	4,347.96	757.79	-1,146.97	1,901,783.20	523,227.12		36.226737	-107.754583
6,343.00	89.03	313.28	4,348.54	822.87	-1,216.18	1,901,848.21	523,157.86		36.226916	-107.754818
6,438.00	88.69	313.77	4,350.43	888.28	-1,285.05	1,901,913.57	523,088.94		36.227095	-107.755051
6,533.00	88.32	314.20	4,352.91	954.23	-1,353.38	1,901,979.46	523,020.55		36.227276	-107.755283
6,624.00	90.10	314.54	4,354.17	1,017.85	-1,418.42	1,902,043.03	522,955.45		36.227451	-107.755503
6,715.00	90.67	314.38	4,353.56	1,081.59	-1,483.37	1,902,106.71	522,890.45		36.227626	-107.755724
6,806.00	89.10	313.00	4,353.74	1,144.45	-1,549.17	1,902,169.51	522,824.60		36.227799	-107.755947

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT 718H
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 718H	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	
6,898.00	89.39	313.30	4,354.95	1,207.36	-1,616.28	1,902,232.37	522,757.43	36.227972	-107.756174	
6,989.00	89.87	313.06	4,355.54	1,269.63	-1,682.64	1,902,294.58	522,691.02	36.228143	-107.756399	
7,080.00	90.40	313.21	4,355.32	1,331.85	-1,749.04	1,902,356.74	522,624.56	36.228314	-107.756624	
7,171.00	89.93	314.19	4,355.06	1,394.72	-1,814.83	1,902,419.55	522,558.72	36.228486	-107.756848	
7,261.00	89.16	313.12	4,355.78	1,456.84	-1,879.95	1,902,481.62	522,493.56	36.228657	-107.757068	
7,352.00	88.99	313.76	4,357.25	1,519.40	-1,946.01	1,902,544.13	522,427.44	36.228829	-107.757292	
7,442.00	89.26	313.36	4,358.62	1,581.42	-2,011.22	1,902,606.09	522,362.17	36.228999	-107.757513	
7,531.00	89.73	312.89	4,359.40	1,642.25	-2,076.18	1,902,666.87	522,297.17	36.229166	-107.757734	
7,620.00	89.26	313.98	4,360.19	1,703.44	-2,140.80	1,902,728.00	522,232.49	36.229334	-107.757953	
7,711.00	88.79	313.50	4,361.74	1,766.35	-2,206.54	1,902,790.85	522,166.70	36.229507	-107.758176	
7,801.00	89.97	317.02	4,362.71	1,830.26	-2,269.87	1,902,854.71	522,103.31	36.229683	-107.758390	
7,892.00	89.56	316.45	4,363.08	1,896.52	-2,332.24	1,902,920.92	522,040.89	36.229865	-107.758602	
7,983.00	89.73	316.39	4,363.65	1,962.45	-2,394.97	1,902,986.79	521,978.10	36.230046	-107.758815	
8,073.00	87.99	314.98	4,365.44	2,026.82	-2,457.83	1,903,051.11	521,915.19	36.230223	-107.759028	
8,164.00	86.84	315.77	4,369.54	2,091.52	-2,521.69	1,903,115.76	521,851.27	36.230401	-107.759244	
8,254.00	87.45	316.72	4,374.03	2,156.45	-2,583.85	1,903,180.63	521,789.05	36.230579	-107.759455	
8,344.00	89.83	318.50	4,376.16	2,222.89	-2,644.50	1,903,247.02	521,728.35	36.230761	-107.759661	
8,434.00	90.44	318.67	4,375.95	2,290.39	-2,704.04	1,903,314.47	521,668.75	36.230947	-107.759863	
8,524.00	90.54	318.15	4,375.18	2,357.70	-2,763.78	1,903,381.73	521,608.96	36.231132	-107.760065	
8,613.00	89.77	317.81	4,374.94	2,423.82	-2,823.35	1,903,447.79	521,549.33	36.231313	-107.760267	
8,704.00	90.54	316.94	4,374.69	2,490.77	-2,884.98	1,903,514.70	521,487.64	36.231497	-107.760476	
8,794.00	90.20	316.87	4,374.11	2,556.49	-2,946.46	1,903,580.36	521,426.10	36.231678	-107.760685	
8,885.00	88.46	315.58	4,375.18	2,622.19	-3,009.41	1,903,646.01	521,363.10	36.231858	-107.760898	
8,976.00	88.46	315.04	4,377.62	2,686.86	-3,073.39	1,903,710.63	521,299.07	36.232036	-107.761115	
9,067.00	89.13	314.84	4,379.54	2,751.13	-3,137.78	1,903,774.84	521,234.61	36.232212	-107.761334	
9,158.00	90.40	314.65	4,379.91	2,815.18	-3,202.42	1,903,838.84	521,169.93	36.232388	-107.761553	
9,248.00	89.26	313.70	4,380.18	2,877.90	-3,266.96	1,903,901.50	521,105.33	36.232561	-107.761772	
9,340.00	89.46	314.12	4,381.20	2,941.70	-3,333.24	1,903,965.24	521,039.00	36.232736	-107.761996	
9,430.00	89.19	312.91	4,382.26	3,003.66	-3,398.50	1,904,027.15	520,973.68	36.232906	-107.762218	
9,521.00	88.86	314.64	4,383.81	3,066.61	-3,464.20	1,904,090.04	520,907.93	36.233079	-107.762440	
9,611.00	89.63	314.26	4,385.00	3,129.63	-3,528.44	1,904,153.00	520,843.64	36.233252	-107.762658	
9,702.00	90.77	315.07	4,384.68	3,193.59	-3,593.16	1,904,216.92	520,778.86	36.233428	-107.762878	
9,792.00	90.03	315.96	4,384.05	3,257.80	-3,656.22	1,904,281.07	520,715.75	36.233604	-107.763092	
9,887.00	89.09	316.70	4,384.78	3,326.51	-3,721.81	1,904,349.72	520,650.09	36.233793	-107.763314	
9,982.00	89.39	316.92	4,386.04	3,395.77	-3,786.83	1,904,418.93	520,585.02	36.233983	-107.763535	
10,077.00	89.26	315.55	4,387.16	3,464.37	-3,852.53	1,904,487.47	520,519.26	36.234172	-107.763757	
10,172.00	89.60	315.91	4,388.11	3,532.39	-3,918.84	1,904,555.44	520,452.89	36.234358	-107.763982	
10,267.00	89.50	315.43	4,388.85	3,600.35	-3,985.23	1,904,623.33	520,386.45	36.234545	-107.764207	
10,362.00	89.80	316.12	4,389.43	3,668.42	-4,051.48	1,904,691.35	520,320.13	36.234732	-107.764432	
10,457.00	88.72	316.66	4,390.66	3,737.20	-4,117.00	1,904,760.08	520,254.55	36.234921	-107.764654	
10,552.00	89.76	316.25	4,391.92	3,806.05	-4,182.45	1,904,828.87	520,189.05	36.235110	-107.764876	
10,647.00	91.11	316.91	4,391.20	3,875.05	-4,247.74	1,904,897.81	520,123.70	36.235300	-107.765098	
10,689.00	91.13	316.69	4,390.38	3,905.66	-4,276.48	1,904,928.40	520,094.93	36.235384	-107.765195	
RSI@ 10689' MD, 1904928.4 N & 520094.93 E										
10,703.00	91.14	316.62	4,390.10	3,915.84	-4,286.09	1,904,938.57	520,085.31	36.235412	-107.765228	
Last Survey Lateral										
10,753.08	91.14	316.62	4,389.10	3,952.23	-4,320.48	1,904,974.93	520,050.90	36.235512	-107.765344	
718H BHL										
10,765.00	91.14	316.62	4,388.87	3,960.90	-4,328.67	1,904,983.59	520,042.70	36.235535	-107.765372	
BP@ 10765' MD, 1904983.59 N & 520042.7 E										

Scientific Drilling Int.
Survey Report - Geographic

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT 718H
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 718H	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 (")
4,966.00	4,354.58	7"	7	8-3/4

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
439.00	438.89	-8.65	2.31	First Survey Int.
3,758.00	3,658.33	-698.60	331.28	Last Survey Int.
3,790.00	3,690.31	-698.00	330.63	First Survey Curve
4,921.00	4,356.28	-192.58	-221.52	Last Survey Curve
4,966.00	4,354.58	-160.26	-252.79	7"Casing@ 4966' MD, 1900865.91 N & 524122.09 E
5,011.00	4,352.70	-128.08	-284.19	First Survey Lateral
10,689.00	4,390.38	3,905.66	-4,276.48	RSI@ 10689' MD, 1904928.4 N & 520094.93 E
10,703.00	4,390.10	3,915.84	-4,286.09	Last Survey Lateral
10,765.00	4,388.87	3,960.90	-4,328.67	BP@ 10765' MD, 1904983.59 N & 520042.7 E

Checked By: _____	Approved By: _____	Date: _____
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