

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

☐ AMENDED REPORT

AS DRILLED

OIL CONS. DIV DIST. 3

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35802	*Pool Code 98157	*Pool Name LYBROOK MANCOS W
*Property Code 315250	*Property Name W LYBROOK UNIT	*Well Number 714H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6700'

MAY 24 2017

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
F	13	23N	9W		2036	NORTH	2492	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
K	11	23N	9W		2295	SOUTH	1803	WEST	SAN JUAN

*Dedicated Acres 360.00	NE/4 SW/4, W/2 SE/4 SE/4 SE/4 - Section 11 W/2 NW/4, SE/4 NW/4 NE/4 SW/4 - Section 13 NE/4 NE/4 - Section 14	*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

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: 5/24/17

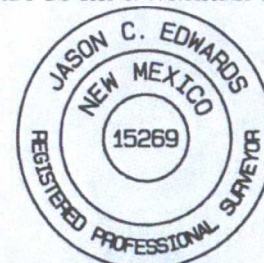
Lacey Granillo
Printed Name
lacey.granillo@wpenergy.com
E-mail Address

18 SURVEYOR CERTIFICATION

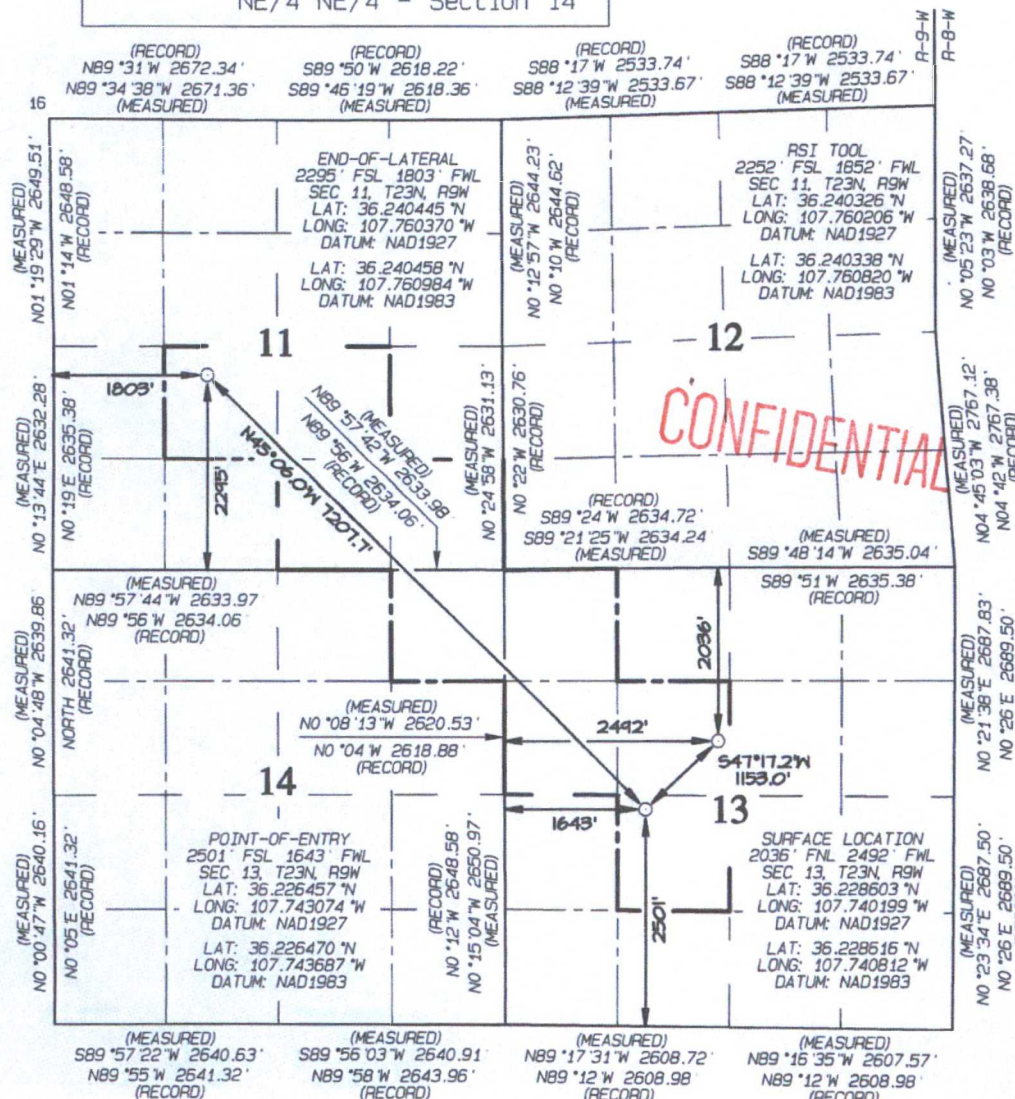
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: APRIL 27, 2017
Survey Date: OCTOBER 23, 2015

Signature and Seal of Professional Surveyor



JASON C. EDWARDS
Certificate Number 15269



W Lybrook UT #714H
T23N R9W
Northing: 1902466.31
Easting: 527468.89
Actual

KB @ 6721.00usft (Cyclone 32)
GL @ 6700.00



WELL DETAILS W Lybrook UT #714H

Ground Level: 6700.00
+N/-S +E/-W Northing Easting Latitude Longitude
0.00 0.00 1902466.31 527468.89 36° 13' 42.971 N 107° 44' 24.716 W

Azimuths to True North
Magnetic North: 9.05°

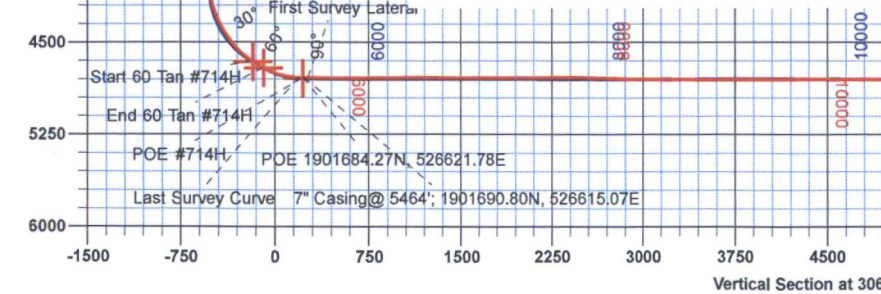
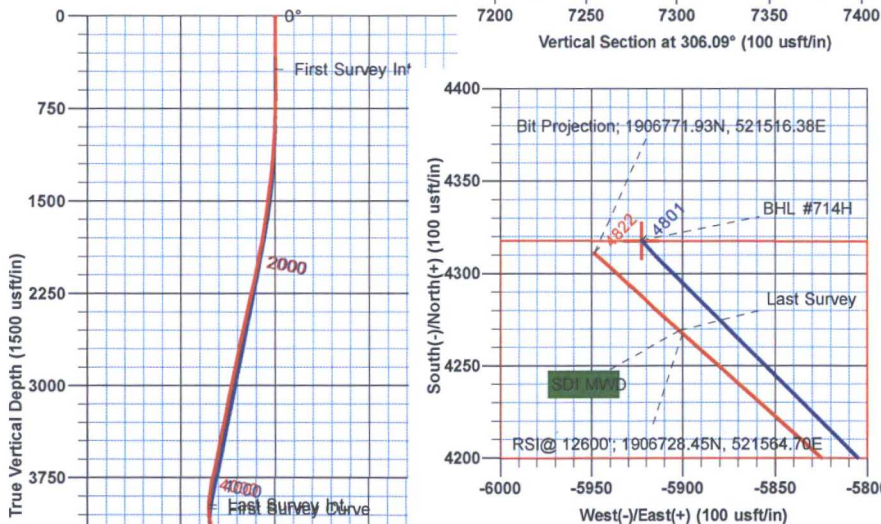
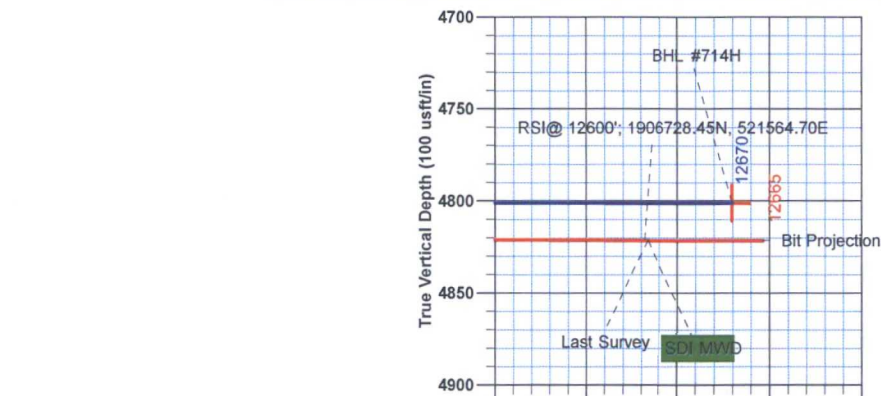
Magnetic Field
Strength: 49691.2nT
Dip Angle: 62.87°
Date: 3/20/2017
Model: HDGM

LEGEND

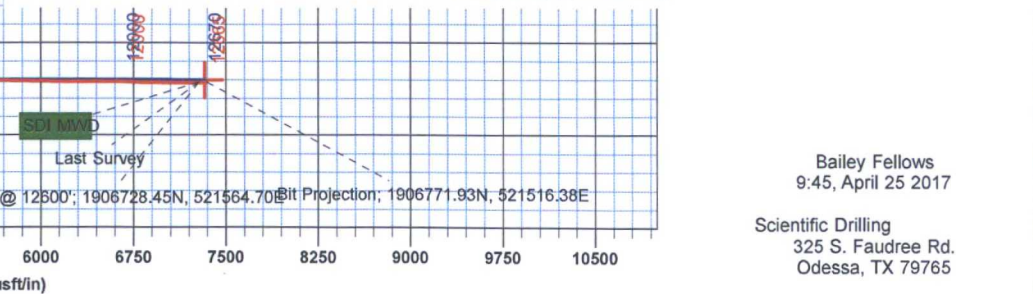
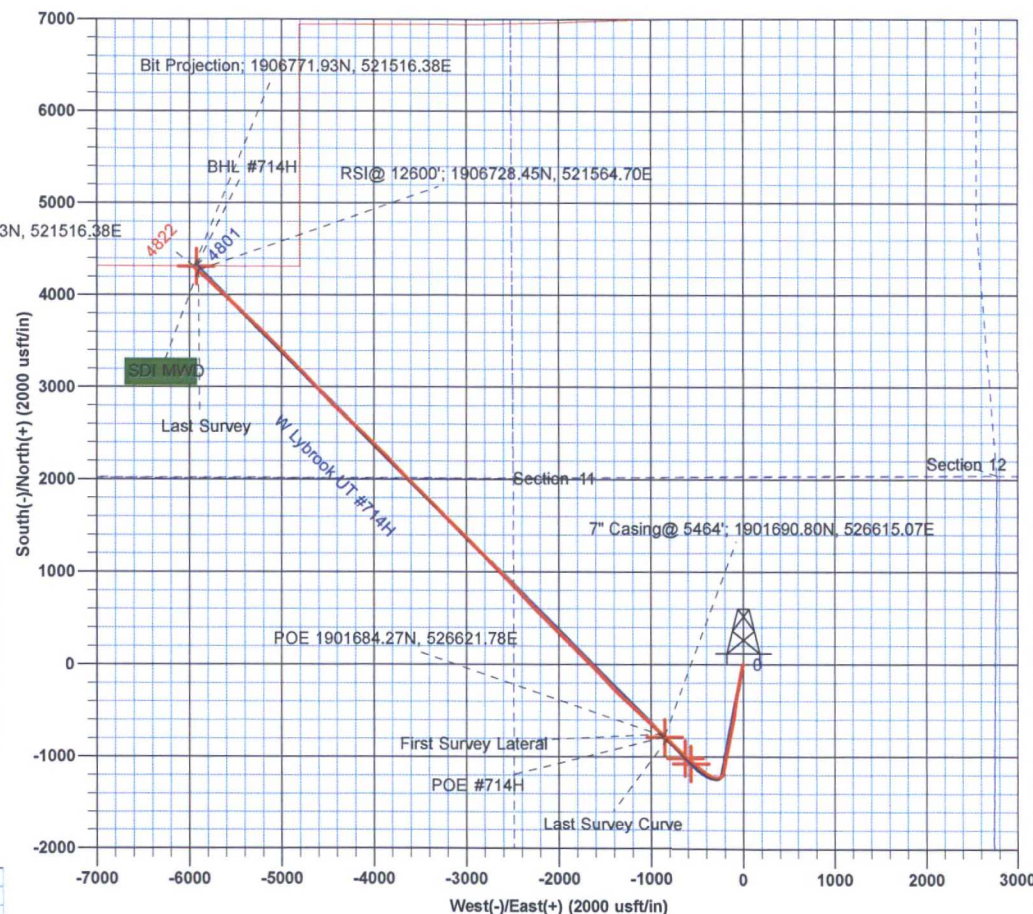
W Lybrook UT #714H, Wellbore #1, Plan #3 V0
Actual

ANNOTATIONS

TVD	MD	Annotation
432.97	433.00	First Survey Int.
3971.54	4214.00	First Survey Int.
4002.41	4246.00	First Survey Curve
4788.74	5420.00	Last Survey Curve
4789.81	5454.80	1901684.27N, 526621.78E
4789.98	5467.00	Casing@ 5464'; 1901690.80N, 526615.07E
4790.18	5494.00	First Survey Lateral
4821.31	12600.00	RSI@ 12600'; 1906728.45N, 521564.70E
4821.32	12602.00	SDI MWD
4821.32	12602.00	Last Survey
4821.54	12665.00	Projection; 1906771.93N, 521516.38E



CONFIDENTIAL



Bailey Fellows
9:45, April 25 2017

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

WPX Energy

T23N R9W

2309-13F WLU

W Lybrook UT #714H - Slot A6

Wellbore #1

Design: Actual

Standard Survey Report

25 April, 2017

CONFIDENTIAL



Scientific Drilling

www.scientificdrilling.com



Scientific Drilling Int.

Survey Report

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #714H - Slot A6
Project:	T23N R9W	TVD Reference:	KB @ 6721.00usft (Cyclone 32)
Site:	2309-13F WLU	MD Reference:	KB @ 6721.00usft (Cyclone 32)
Well:	W Lybrook UT #714H	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		2309-13F WLU			
Site Position:		Northing:	1,902,559.83 usft	Latitude:	36° 13' 43.896 N
From:	Map	Easting:	527,432.82 usft	Longitude:	107° 44' 25.156 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.05 °

Well	W Lybrook UT #714H - Slot A6					
Well Position	+N/-S	0.00 usft	Northing:	1,902,466.31 usft	Latitude:	36° 13' 42.971 N
	+E/-W	0.00 usft	Easting:	527,468.89 usft	Longitude:	107° 44' 24.716 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	6,700.00 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/20/2017	9.05	62.87	49,691

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	306.09	

Survey Program	Date	4/25/2017			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
51.00	299.00	Gyros (Wellbore #1)	NS-GYRO-MS	North sensing gyrocompassing m/s	
433.00	4,214.00	SDI MWD Int. (Wellbore #1)	MWD	MWD - Standard	
4,246.00	5,420.00	SDI MWD Curve (Wellbore #1)	MWD	MWD - Standard	
5,494.00	12,665.00	SDI MWD Lateral (Wellbore #1)	MWD	MWD - Standard	

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51.00	0.42	354.26	51.00	0.19	-0.02	0.12	0.82	0.82	0.00
81.00	0.72	329.03	81.00	0.46	-0.13	0.37	1.28	1.00	-84.10
111.00	0.88	332.28	111.00	0.82	-0.33	0.75	0.55	0.53	10.83
141.00	0.90	324.78	140.99	1.22	-0.57	1.18	0.39	0.07	-25.00
171.00	1.01	309.02	170.99	1.58	-0.92	1.67	0.95	0.37	-52.53
201.00	1.05	287.90	200.98	1.83	-1.38	2.19	1.27	0.13	-70.40
231.00	1.00	283.56	230.98	1.97	-1.90	2.70	0.31	-0.17	-14.47

Scientific Drilling Int.

Survey Report

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #714H - Slot A6
Project:	T23N R9W	TVD Reference:	KB @ 6721.00usft (Cyclone 32)
Site:	2309-13F WLU	MD Reference:	KB @ 6721.00usft (Cyclone 32)
Well:	W Lybrook UT #714H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
261.00	0.62	278.45	260.97	2.06	-2.31	3.08	1.29	-1.27	-17.03
291.00	0.52	270.92	290.97	2.09	-2.61	3.34	0.42	-0.33	-25.10
299.00	0.57	273.42	298.97	2.09	-2.69	3.40	0.69	0.63	31.25
433.00	0.68	285.22	432.97	2.34	-4.12	4.71	0.13	0.08	8.81
First Survey Int.									
526.00	0.94	297.61	525.96	2.84	-5.33	5.98	0.34	0.28	13.32
618.00	0.52	139.99	617.95	2.87	-5.73	6.32	1.56	-0.46	-171.33
712.00	2.72	191.59	711.91	0.35	-5.90	4.98	2.59	2.34	54.89
806.00	4.28	190.18	805.73	-5.28	-6.97	2.52	1.66	1.66	-1.50
900.00	6.69	190.33	899.30	-14.12	-8.57	-1.39	2.56	2.56	0.16
994.00	7.84	191.77	992.54	-25.79	-10.86	-6.41	1.24	1.22	1.53
1,088.00	9.57	191.79	1,085.45	-39.71	-13.77	-12.27	1.84	1.84	0.02
1,181.00	11.67	192.03	1,176.86	-56.48	-17.31	-19.29	2.26	2.26	0.26
1,275.00	13.81	189.02	1,268.54	-76.86	-21.05	-28.27	2.38	2.28	-3.20
1,369.00	14.07	188.30	1,359.77	-99.25	-24.46	-38.70	0.33	0.28	-0.77
1,463.00	14.56	190.33	1,450.85	-122.18	-28.22	-49.16	0.75	0.52	2.16
1,557.00	17.34	190.29	1,541.22	-147.59	-32.85	-60.40	2.96	2.96	-0.04
1,651.00	19.06	190.93	1,630.52	-176.45	-38.26	-73.02	1.84	1.83	0.68
1,745.00	19.85	191.30	1,719.15	-207.17	-44.30	-86.24	0.85	0.84	0.39
1,839.00	21.06	190.12	1,807.22	-239.45	-50.39	-100.33	1.36	1.29	-1.26
1,933.00	23.51	191.26	1,894.19	-274.47	-57.02	-115.60	2.65	2.61	1.21
2,027.00	24.60	191.30	1,980.03	-312.04	-64.51	-131.67	1.16	1.16	0.04
2,121.00	25.91	190.66	2,065.04	-351.41	-72.15	-148.70	1.42	1.39	-0.68
2,215.00	25.68	188.03	2,149.68	-391.76	-78.79	-167.10	1.24	-0.24	-2.80
2,309.00	25.20	187.80	2,234.56	-431.76	-84.35	-186.16	0.52	-0.51	-0.24
2,403.00	25.00	187.49	2,319.69	-471.28	-89.66	-205.16	0.25	-0.21	-0.33
2,497.00	24.92	187.23	2,404.91	-510.62	-94.74	-224.22	0.14	-0.09	-0.28
2,591.00	24.54	187.01	2,490.29	-549.64	-99.61	-243.27	0.42	-0.40	-0.23
2,685.00	24.18	188.12	2,575.92	-588.07	-104.72	-261.79	0.62	-0.38	1.18
2,779.00	24.01	190.14	2,661.73	-625.95	-110.80	-279.18	0.90	-0.18	2.15
2,873.00	24.62	190.49	2,747.39	-664.03	-117.73	-296.01	0.67	0.65	0.37
2,967.00	26.05	191.37	2,832.35	-703.52	-125.37	-313.10	1.57	1.52	0.94
3,061.00	25.01	190.56	2,917.17	-743.29	-133.08	-330.30	1.17	-1.11	-0.86
3,155.00	25.82	192.39	3,002.07	-782.82	-141.11	-347.09	1.20	0.86	1.95
3,249.00	26.04	191.26	3,086.61	-823.05	-149.53	-363.99	0.58	0.23	-1.20
3,343.00	24.66	191.58	3,171.56	-862.50	-157.50	-380.79	1.48	-1.47	0.34
3,437.00	24.85	190.65	3,256.92	-901.12	-165.09	-397.41	0.46	0.20	-0.99
3,531.00	24.68	191.42	3,342.27	-939.77	-172.62	-414.08	0.39	-0.18	0.82
3,625.00	24.56	190.97	3,427.73	-978.19	-180.23	-430.57	0.24	-0.13	-0.48
3,720.00	24.18	191.15	3,514.26	-1,016.66	-187.75	-447.15	0.41	-0.40	0.19
3,813.00	26.49	190.28	3,598.31	-1,055.76	-195.13	-464.22	2.52	2.48	-0.94
3,907.00	25.31	190.38	3,682.87	-1,096.15	-202.49	-482.06	1.26	-1.26	0.11
3,995.00	21.46	190.24	3,763.63	-1,130.51	-208.75	-497.25	4.38	-4.38	-0.16

Scientific Drilling Int.

Survey Report

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #714H - Slot A6
Project:	T23N R9W	TVD Reference:	KB @ 6721.00usft (Cyclone 32)
Site:	2309-13F WLU	MD Reference:	KB @ 6721.00usft (Cyclone 32)
Well:	W Lybrook UT #714H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,058.00	19.70	190.54	3,822.61	-1,152.29	-212.74	-506.85	2.80	-2.79	0.48
4,089.00	19.29	189.69	3,851.83	-1,162.47	-214.56	-511.38	1.61	-1.32	-2.74
4,120.00	17.50	190.36	3,881.24	-1,172.11	-216.26	-515.68	5.81	-5.77	2.16
4,152.00	16.21	195.65	3,911.87	-1,181.14	-218.33	-519.33	6.26	-4.03	16.53
4,183.00	15.80	203.96	3,941.67	-1,189.17	-221.21	-521.73	7.50	-1.32	26.81
4,214.00	15.32	211.12	3,971.54	-1,196.53	-225.04	-522.97	6.38	-1.55	23.10
Last Survey Int.									
4,246.00	15.22	218.96	4,002.41	-1,203.42	-229.86	-523.13	6.46	-0.31	24.50
First Survey Curve									
4,277.00	15.90	226.49	4,032.28	-1,209.50	-235.50	-522.16	6.87	2.19	24.29
4,308.00	16.83	235.43	4,062.03	-1,214.97	-242.28	-519.90	8.65	3.00	28.84
4,339.00	17.46	242.77	4,091.65	-1,219.65	-250.11	-516.33	7.26	2.03	23.68
4,371.00	17.66	249.89	4,122.17	-1,223.52	-258.94	-511.47	6.74	0.63	22.25
4,402.00	18.41	257.89	4,151.65	-1,226.16	-268.14	-505.59	8.34	2.42	25.81
4,434.00	19.03	265.54	4,181.96	-1,227.63	-278.29	-498.26	7.91	1.94	23.91
4,465.00	19.49	273.48	4,211.23	-1,227.70	-288.49	-490.06	8.57	1.48	25.61
4,497.00	20.61	279.46	4,241.29	-1,226.46	-299.37	-480.53	7.30	3.50	18.69
4,528.00	21.76	283.75	4,270.20	-1,224.19	-310.34	-470.33	6.22	3.71	13.84
4,560.00	22.91	287.37	4,299.80	-1,220.92	-322.05	-458.95	5.60	3.59	11.31
4,591.00	24.81	292.16	4,328.15	-1,216.67	-333.83	-446.92	8.75	6.13	15.45
4,622.00	27.03	297.06	4,356.03	-1,211.01	-346.13	-433.65	9.95	7.16	15.81
4,653.00	29.18	300.64	4,383.38	-1,203.95	-358.91	-419.16	8.81	6.94	11.55
4,684.00	31.11	302.33	4,410.18	-1,195.82	-372.18	-403.65	6.80	6.23	5.45
4,716.00	32.85	303.37	4,437.33	-1,186.62	-386.41	-386.73	5.70	5.44	3.25
4,747.00	34.53	304.15	4,463.12	-1,177.06	-400.71	-369.55	5.60	5.42	2.52
4,778.00	36.26	305.53	4,488.39	-1,166.80	-415.44	-351.60	6.15	5.58	4.45
4,809.00	38.21	307.12	4,513.07	-1,155.69	-430.55	-332.84	7.01	6.29	5.13
4,841.00	40.38	308.49	4,537.83	-1,143.26	-446.55	-312.59	7.30	6.78	4.28
4,872.00	43.15	308.58	4,560.95	-1,130.40	-462.70	-291.96	8.94	8.94	0.29
4,903.00	46.31	308.59	4,582.97	-1,116.79	-479.75	-270.17	10.19	10.19	0.03
4,935.00	49.24	309.44	4,604.48	-1,101.87	-498.16	-246.50	9.36	9.16	2.66
4,966.00	52.45	311.48	4,624.05	-1,086.27	-516.44	-222.54	11.54	10.35	6.58
4,997.00	55.18	311.80	4,642.35	-1,069.65	-535.14	-197.64	8.85	8.81	1.03
5,024.17	58.35	312.15	4,657.24	-1,054.45	-552.03	-175.04	11.71	11.66	1.29
Start 60 Tan #714H									
5,029.00	58.91	312.21	4,659.76	-1,051.68	-555.08	-170.94	11.71	11.66	1.24
5,060.00	60.75	311.96	4,675.33	-1,033.72	-574.97	-144.29	5.98	5.94	-0.81
5,091.00	60.84	310.85	4,690.46	-1,015.82	-595.27	-117.34	3.14	0.29	-3.58
5,123.00	60.82	310.50	4,706.06	-997.61	-616.46	-89.49	0.96	-0.06	-1.09
5,124.29	60.90	310.51	4,706.68	-996.88	-617.32	-88.37	6.27	6.26	0.53
End 60 Tan #714H									
5,154.00	62.76	310.66	4,720.71	-979.84	-637.21	-62.26	6.27	6.26	0.52
5,185.00	65.61	312.36	4,734.21	-961.35	-658.10	-34.48	10.43	9.19	5.48
5,217.00	68.58	312.03	4,746.66	-941.55	-679.94	-5.17	9.33	9.28	-1.03

Scientific Drilling Int.

Survey Report

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #714H - Slot A6
Project:	T23N R9W	TVD Reference:	KB @ 6721.00usft (Cyclone 32)
Site:	2309-13F WLU	MD Reference:	KB @ 6721.00usft (Cyclone 32)
Well:	W Lybrook UT #714H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,248.00	71.02	313.05	4,757.37	-921.88	-701.37	23.73	8.45	7.87	3.29
5,279.00	74.04	312.93	4,766.67	-901.72	-723.00	53.08	9.75	9.74	-0.39
5,311.00	76.89	313.71	4,774.70	-880.47	-745.53	83.81	9.21	8.91	2.44
5,342.00	80.62	313.11	4,780.75	-859.58	-767.61	113.96	12.18	12.03	-1.94
5,373.00	83.37	314.72	4,785.06	-838.29	-789.72	144.37	10.25	8.87	5.19
5,420.00	87.65	314.30	4,788.74	-805.45	-823.13	190.71	9.15	9.11	-0.89
Last Survey Curve									
5,454.62	88.81	314.42	4,789.81	-781.26	-847.87	224.95	3.37	3.35	0.34
POE 1901684.27N, 526621.78E - POE #714H									
5,464.00	89.12	314.45	4,789.98	-774.69	-854.57	234.23	3.37	3.35	0.34
7" Casing@ 5464'; 1901690.80N, 526615.07E									
5,494.00	90.13	314.55	4,790.18	-753.67	-875.96	263.91	3.37	3.35	0.34
First Survey Lateral									
5,589.00	90.17	313.87	4,789.93	-687.42	-944.06	357.96	0.72	0.04	-0.72
5,683.00	89.90	312.26	4,789.87	-623.24	-1,012.73	451.26	1.74	-0.29	-1.71
5,778.00	89.97	311.93	4,789.98	-559.56	-1,083.22	545.73	0.36	0.07	-0.35
5,873.00	90.37	313.73	4,789.70	-494.98	-1,152.89	640.07	1.94	0.42	1.89
5,968.00	90.57	311.18	4,788.92	-430.86	-1,222.97	734.48	2.69	0.21	-2.68
6,062.00	90.60	313.28	4,787.96	-367.69	-1,292.57	827.93	2.23	0.03	2.23
6,157.00	90.30	315.57	4,787.21	-301.20	-1,360.41	921.91	2.43	-0.32	2.41
6,252.00	90.47	317.92	4,786.57	-232.01	-1,425.50	1,015.27	2.48	0.18	2.47
6,347.00	89.30	316.19	4,786.76	-162.48	-1,490.22	1,108.53	2.20	-1.23	-1.82
6,442.00	89.13	315.00	4,788.06	-94.61	-1,556.69	1,202.21	1.27	-0.18	-1.25
6,537.00	90.03	316.25	4,788.76	-26.71	-1,623.12	1,295.90	1.62	0.95	1.32
6,632.00	90.54	316.21	4,788.29	41.89	-1,688.84	1,389.41	0.54	0.54	-0.04
6,726.00	90.00	314.80	4,787.84	108.94	-1,754.71	1,482.14	1.61	-0.57	-1.50
6,821.00	89.80	314.01	4,788.01	175.41	-1,822.58	1,576.14	0.86	-0.21	-0.83
6,916.00	89.70	313.01	4,788.42	240.81	-1,891.48	1,670.34	1.06	-0.11	-1.05
7,011.00	90.47	315.62	4,788.28	307.17	-1,959.45	1,764.36	2.86	0.81	2.75
7,106.00	90.91	314.71	4,787.14	374.54	-2,026.42	1,858.16	1.06	0.46	-0.96
7,201.00	89.46	315.28	4,786.83	441.70	-2,093.60	1,952.01	1.64	-1.53	0.60
7,296.00	89.96	314.90	4,787.31	508.98	-2,160.67	2,045.84	0.66	0.53	-0.40
7,390.00	90.13	316.81	4,787.24	576.43	-2,226.14	2,138.47	2.04	0.18	2.03
7,485.00	90.30	315.60	4,786.88	645.00	-2,291.88	2,232.00	1.29	0.18	-1.27
7,580.00	91.58	317.43	4,785.33	713.92	-2,357.24	2,325.41	2.35	1.35	1.93
7,675.00	89.19	317.94	4,784.69	784.16	-2,421.19	2,418.46	2.57	-2.52	0.54
7,770.00	88.12	316.36	4,786.92	853.78	-2,485.78	2,511.67	2.01	-1.13	-1.66
7,864.00	88.32	315.20	4,789.84	921.12	-2,551.30	2,604.28	1.25	0.21	-1.23
7,959.00	88.25	316.74	4,792.68	989.39	-2,617.30	2,697.83	1.62	-0.07	1.62
8,051.00	88.45	315.68	4,795.33	1,055.77	-2,680.94	2,788.36	1.17	0.22	-1.15
8,143.00	89.56	315.84	4,796.93	1,121.67	-2,745.11	2,879.03	1.22	1.21	0.17
8,235.00	89.50	315.37	4,797.68	1,187.41	-2,809.47	2,969.76	0.51	-0.07	-0.51
8,327.00	89.73	315.36	4,798.30	1,252.87	-2,874.11	3,060.56	0.25	0.25	-0.01
8,419.00	89.90	315.12	4,798.60	1,318.20	-2,938.89	3,151.39	0.32	0.18	-0.26

Scientific Drilling Int.

Survey Report

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #714H - Slot A6
Project:	T23N R9W	TVD Reference:	KB @ 6721.00usft (Cyclone 32)
Site:	2309-13F WLU	MD Reference:	KB @ 6721.00usft (Cyclone 32)
Well:	W Lybrook UT #714H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,511.00	90.03	314.78	4,798.65	1,383.19	-3,004.00	3,242.29	0.40	0.14	-0.37
8,603.00	90.30	314.23	4,798.39	1,447.68	-3,069.61	3,333.30	0.67	0.29	-0.60
8,695.00	89.36	315.52	4,798.66	1,512.59	-3,134.81	3,424.22	1.73	-1.02	1.40
8,787.00	89.73	315.51	4,799.39	1,578.23	-3,199.27	3,514.97	0.40	0.40	-0.01
8,879.00	89.70	314.95	4,799.85	1,643.54	-3,264.06	3,605.80	0.61	-0.03	-0.61
8,971.00	89.93	315.25	4,800.15	1,708.71	-3,329.00	3,696.67	0.41	0.25	0.33
9,063.00	90.57	315.68	4,799.74	1,774.28	-3,393.53	3,787.43	0.84	0.70	0.47
9,155.00	89.26	315.92	4,799.88	1,840.24	-3,457.66	3,878.11	1.45	-1.42	0.26
9,246.00	89.39	314.92	4,800.95	1,905.05	-3,521.53	3,967.90	1.11	0.14	-1.10
9,338.00	89.63	314.71	4,801.74	1,969.89	-3,586.79	4,058.84	0.35	0.26	-0.23
9,430.00	91.78	315.72	4,800.61	2,035.18	-3,651.59	4,149.66	2.58	2.34	1.10
9,522.00	90.84	317.16	4,798.50	2,101.83	-3,714.97	4,240.13	1.87	-1.02	1.57
9,613.00	89.87	315.82	4,797.94	2,167.82	-3,777.62	4,329.63	1.82	-1.07	-1.47
9,705.00	89.70	316.18	4,798.29	2,234.00	-3,841.53	4,420.26	0.43	-0.18	0.39
9,796.00	89.60	315.08	4,798.84	2,299.05	-3,905.16	4,510.00	1.21	-0.11	-1.21
9,888.00	89.66	314.69	4,799.44	2,363.97	-3,970.34	4,600.92	0.43	0.07	-0.42
9,979.00	90.13	315.26	4,799.60	2,428.29	-4,034.72	4,690.82	0.81	0.52	0.63
10,071.00	90.54	314.50	4,799.06	2,493.20	-4,099.91	4,781.74	0.94	0.45	-0.83
10,163.00	90.03	313.47	4,798.61	2,557.09	-4,166.10	4,872.86	1.25	-0.55	-1.12
10,254.00	90.67	313.40	4,798.05	2,619.66	-4,232.18	4,963.12	0.71	0.70	-0.08
10,346.00	90.30	312.21	4,797.27	2,682.17	-4,299.67	5,054.48	1.35	-0.40	-1.29
10,438.00	88.42	314.75	4,798.30	2,745.46	-4,366.42	5,145.70	3.43	-2.04	2.76
10,529.00	88.96	314.04	4,800.38	2,809.11	-4,431.42	5,235.72	0.98	0.59	-0.78
10,621.00	90.81	318.14	4,800.57	2,875.37	-4,495.21	5,326.30	4.89	2.01	4.46
10,713.00	88.96	315.59	4,800.75	2,942.50	-4,558.10	5,416.66	3.42	-2.01	-2.77
10,804.00	89.43	315.76	4,802.03	3,007.59	-4,621.68	5,506.39	0.55	0.52	0.19
10,896.00	89.70	317.03	4,802.73	3,074.21	-4,685.13	5,596.90	1.41	0.29	1.38
10,987.00	90.20	316.35	4,802.81	3,140.42	-4,747.55	5,686.34	0.93	0.55	-0.75
11,079.00	88.35	317.11	4,803.97	3,207.40	-4,810.60	5,776.75	2.17	-2.01	0.83
11,170.00	89.06	315.56	4,806.03	3,273.21	-4,873.41	5,866.27	1.87	0.78	-1.70
11,262.00	88.79	315.38	4,807.75	3,338.78	-4,937.92	5,957.03	0.35	-0.29	-0.20
11,354.00	88.02	314.58	4,810.31	3,403.79	-5,002.97	6,047.88	1.21	-0.84	-0.87
11,446.00	90.00	315.42	4,811.90	3,468.83	-5,068.01	6,138.76	2.34	2.15	0.91
11,537.00	90.40	315.38	4,811.59	3,533.62	-5,131.91	6,228.56	0.44	0.44	-0.04
11,629.00	90.54	315.01	4,810.83	3,598.90	-5,196.74	6,319.39	0.43	0.15	-0.40
11,724.00	89.76	314.36	4,810.58	3,665.70	-5,264.28	6,413.32	1.07	-0.82	-0.68
11,819.00	89.23	314.75	4,811.42	3,732.35	-5,331.97	6,507.29	0.69	-0.56	0.41
11,914.00	90.67	314.88	4,811.50	3,799.30	-5,399.36	6,601.18	1.52	1.52	0.14
12,009.00	87.48	312.97	4,813.04	3,865.19	-5,467.76	6,695.27	3.91	-3.36	-2.01
12,104.00	86.87	311.91	4,817.72	3,929.22	-5,537.78	6,789.57	1.29	-0.64	-1.12
12,198.00	89.43	313.72	4,820.75	3,993.06	-5,606.69	6,882.86	3.33	2.72	1.93
12,293.00	90.34	314.18	4,820.94	4,058.99	-5,675.09	6,976.97	1.07	0.96	0.48
12,388.00	90.10	313.16	4,820.58	4,124.59	-5,743.80	7,071.14	1.10	-0.25	-1.07
12,483.00	89.83	312.75	4,820.64	4,189.33	-5,813.33	7,165.45	0.52	-0.28	-0.43

Scientific Drilling Int.

Survey Report

Company:	WPX Energy	Local Co-ordinate Reference:	Well W Lybrook UT #714H - Slot A6
Project:	T23N R9W	TVD Reference:	KB @ 6721.00usft (Cyclone 32)
Site:	2309-13F WLU	MD Reference:	KB @ 6721.00usft (Cyclone 32)
Well:	W Lybrook UT #714H	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)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,578.00	89.52	311.65	4,821.18	4,253.14	-5,883.70	7,259.91	1.20	-0.33	-1.16
12,600.00	89.78	312.01	4,821.31	4,267.81	-5,900.10	7,281.80	2.00	1.17	1.63
RSI@ 12600'; 1906728.45N, 521564.70E									
12,602.00	89.80	312.04	4,821.32	4,269.15	-5,901.58	7,283.79	2.00	1.17	1.62
SDI MWD - Last Survey									
12,650.34	89.80	312.04	4,821.49	4,301.52	-5,937.48	7,331.87	0.00	0.00	0.00
BHL #714H									
12,665.00	89.80	312.04	4,821.54	4,311.33	-5,948.37	7,346.45	0.00	0.00	0.00
Bit Projection; 1906771.93N, 521516.38E									

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
433.00	432.97	2.34	-4.12	First Survey Int.
4,214.00	3,971.54	-1,196.53	-225.04	Last Survey Int.
4,246.00	4,002.41	-1,203.42	-229.86	First Survey Curve
5,420.00	4,788.74	-805.45	-823.13	Last Survey Curve
5,454.62	4,789.81	-781.26	-847.87	POE 1901684.27N, 526621.78E
5,464.00	4,789.98	-774.69	-854.57	7" Casing@ 5464'; 1901690.80N, 526615.07E
5,494.00	4,790.18	-753.67	-875.96	First Survey Lateral
12,600.00	4,821.31	4,267.81	-5,900.10	RSI@ 12600'; 1906728.45N, 521564.70E
12,602.00	4,821.32	4,269.15	-5,901.58	SDI MWD
12,602.00	4,821.32	4,269.15	-5,901.58	Last Survey
12,665.00	4,821.54	4,311.33	-5,948.37	Bit Projection; 1906771.93N, 521516.38E

Checked By: _____ Approved By: _____ Date: _____