

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-35756	*Pool Code 97232	*Pool Name BASIN MANCOS
*Property Code 316144	*Property Name KWU	*Well Number 771H
*GRID No. 120782	*Operator Name WPX ENERGY PRODUCTION, LLC	*Elevation 6561'

10 Surface Location

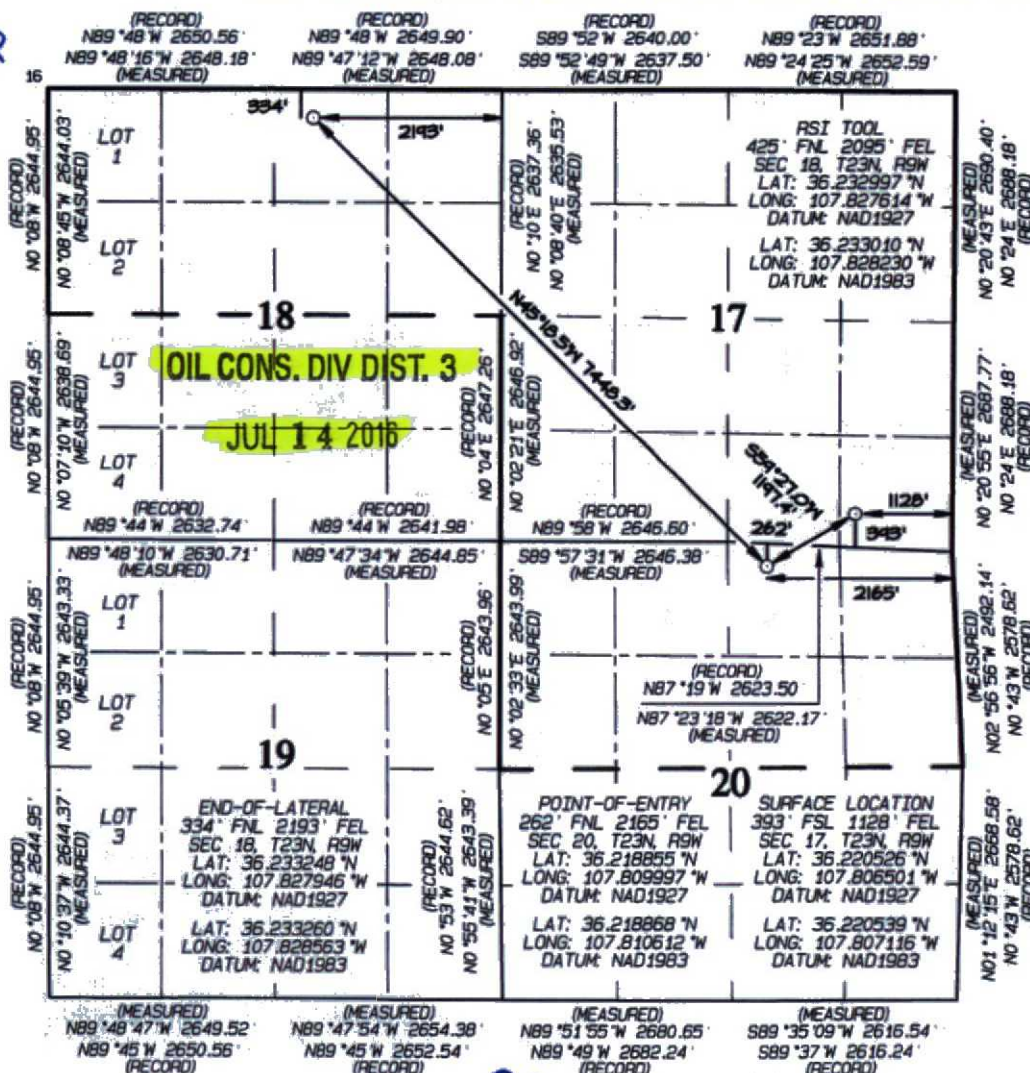
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	23N	9W		393	SOUTH	1128	EAST	SAN JUAN

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
B	18	23N	9W		334	NORTH	2193	EAST	SAN JUAN

*Dedicated Acres 1279.88	Entire Section 17 N/2 - Section 18 N/2 - Section 20	*Joint or Infill	*Consolidation Code	*Order No. R-14084
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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 unless 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: *7/12/16*
Printed Name: *lacey.granillo@wpxenergy.com*
E-mail Address: *lacey.granillo@wpxenergy.com*

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

Date Revised: JUNE 9, 2016
Survey Date: DECEMBER 3, 2015

Signature and Seal of Professional Surveyor:
JASON C. EDWARDS
NEW MEXICO
REGISTERED PROFESSIONAL SURVEYOR
15269

CONFIDENTIAL

JASON C. EDWARDS
Certificate Number 15269

WPXENERGYSM



WPX Energy

T23N R9W

2309-17P KWU

KWU #771H - Slot A1

Wellbore #1

Design: Wellbore #1

Survey Report - Geographic

07 June, 2016

CONFIDENTIAL



Scientific Drilling

www.scientificdrilling.com



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- 4. Graphical Job History**
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Scientific Drilling



OIL CONS. DIV DIST. 3

JUL 14 2016



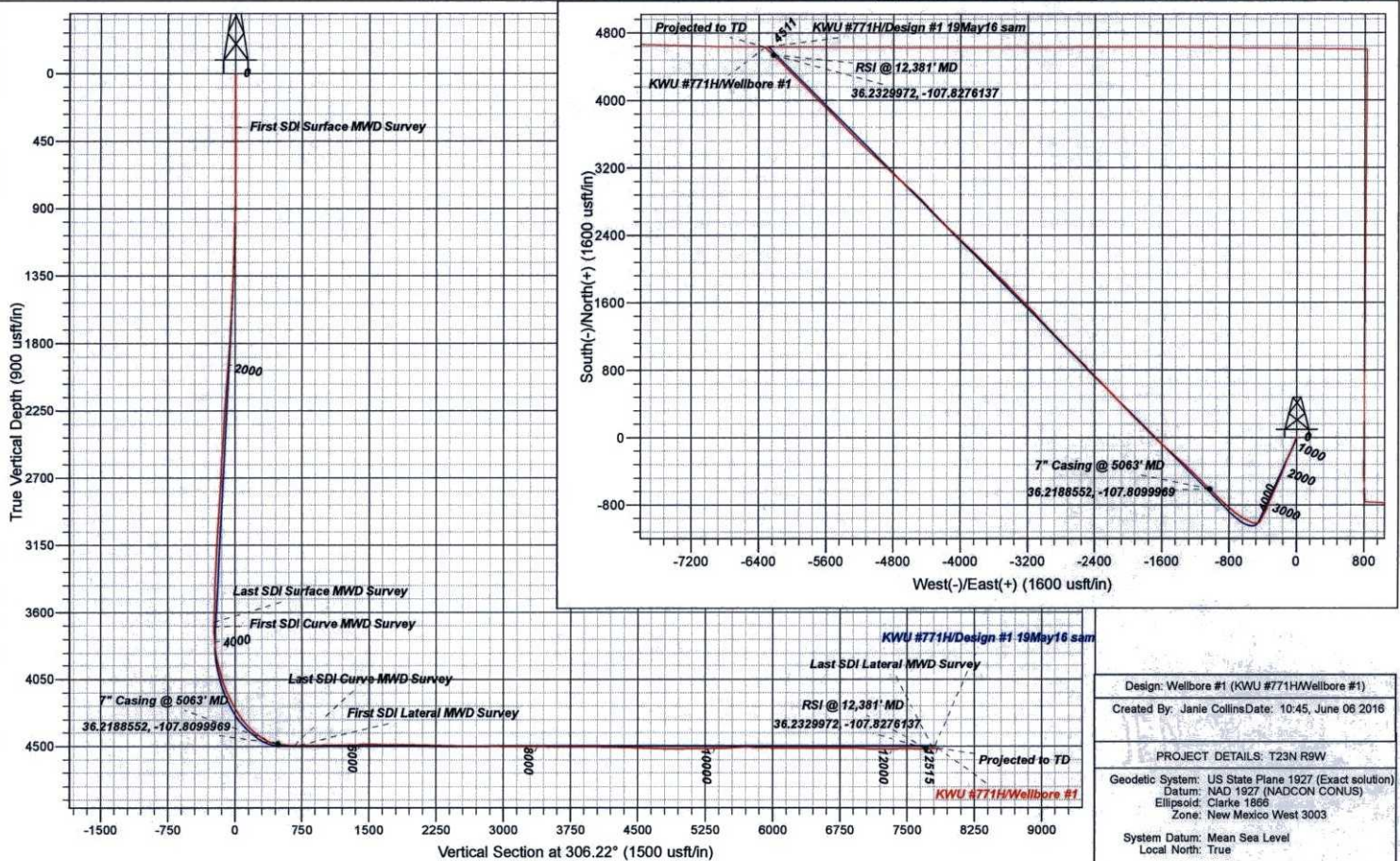
Company Name: WPX Energy
Project: T23N R9W
Site: 2309-17P KWU
Well: KWU #771H



Azimuths to True North
Magnetic North: 9.24°
Magnetic Field
Strength: 49789.2nT
Dip Angle: 62.95°
Date: 5/25/2016
Model: BGGM2016

WELL DETAILS: KWU #771H

+N/-S	+E/-W	GL 6561' & RKB 14' @ 6575.00usft (Aztec 920)	6561.00
0.00	0.00	Northing Easting Latitude Longitude	A1
1899514.08	507914.70	36.2205260	-107.8065010



Design: Wellbore #1 (KWU #771H/Wellbore #1)
Created By: Janie Collins Date: 10:45, June 06 2016

PROJECT DETAILS: T23N R9W

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico West 3003

System Datum: Mean Sea Level
Local North: True

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Company:	WPX Energy	Local Co-ordinate Reference:	Well KWU #771H - Slot A1
Project:	T23N R9W	TVD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Site:	2309-17P KWU	MD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Well:	KWU #771H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	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	2309-17P KWU		
Site Position:		Northing:	1,899,574.16 usft
From:	Map	Easting:	507,967.48 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	36.2206910
		Longitude:	-107.8063220
		Grid Convergence:	0.02 °

Well	KWU #771H - Slot A1		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft
		Latitude:	36.2205260
		Longitude:	-107.8065010
		Ground Level:	6,561.01 ft

Wellbore	Wellbore #1		
Magnetics	Model Name	Sample Date	Declination
			(°)
	BGGM2016	5/25/2016	9.24
			Dip Angle
			(°)
			62.95
			Field Strength
			(nT)
			49,789

Design	Wellbore #1		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	0.00	0.00	0.00
			Direction
			(°)
			306.22

Survey Program	Date 6/6/2016		
From	To	Survey (Wellbore)	Tool Name
(ft)	(ft)		
359.00	3,865.01	Survey #1 - Surface MWD Survey (Wellbo	SDI MWD
3,896.01	5,253.01	Survey #2 - Curve MWD Survey (Wellbore	SDI MWD
5,316.01	12,515.03	Survey #3 - Lateral MWD Survey (Wellbor	SDI MWD
			Description
			SDI MWD - Standard ver 1.0.1
			SDI MWD - Standard ver 1.0.1
			SDI MWD - Standard ver 1.0.1

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Map	Map		
Depth	(°)	(°)	Depth	(ft)	(ft)	Northing	Easting	Latitude	Longitude
(ft)			(ft)			(usft)	(usft)		
0.00	0.00	0.00	0.00	0.00	0.00	1,899,514.08	507,914.70	36.2205260	-107.8065010
359.00	2.10	213.59	358.92	-5.48	-3.64	1,899,508.60	507,911.06	36.2205109	-107.8065134
First SDI Surface MWD Survey									
389.00	2.33	217.36	388.90	-6.42	-4.31	1,899,507.66	507,910.39	36.2205083	-107.8065157
450.00	2.23	220.84	449.85	-8.31	-5.84	1,899,505.77	507,908.86	36.2205031	-107.8065208
511.00	2.73	210.46	510.79	-10.46	-7.35	1,899,503.62	507,907.35	36.2204972	-107.8065260
572.00	3.46	205.02	571.70	-13.38	-8.87	1,899,500.70	507,905.84	36.2204892	-107.8065311
632.00	3.74	204.91	631.59	-16.79	-10.46	1,899,497.29	507,904.25	36.2204798	-107.8065365
693.00	4.59	208.93	692.42	-20.73	-12.48	1,899,493.35	507,902.23	36.2204690	-107.8065433
754.00	5.39	211.16	753.19	-25.32	-15.14	1,899,488.76	507,899.57	36.2204564	-107.8065524

Company:	WPX Energy	Local Co-ordinate Reference:	Well KWU #771H - Slot A1
Project:	T23N R9W	TVD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Site:	2309-17P KWU	MD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Well:	KWU #771H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
814.00	6.45	207.89	812.87	-30.71	-18.18	1,899,483.37	507,896.53	36.2204416	-107.8065627
875.00	7.46	206.04	873.42	-37.30	-21.52	1,899,476.78	507,893.19	36.2204235	-107.8065740
935.00	8.15	203.86	932.87	-44.69	-24.95	1,899,469.39	507,889.77	36.2204032	-107.8065856
996.00	9.10	204.80	993.18	-53.02	-28.72	1,899,461.05	507,886.00	36.2203803	-107.8065984
1,057.00	10.53	201.33	1,053.28	-62.59	-32.77	1,899,451.48	507,881.95	36.2203540	-107.8066121
1,117.00	11.17	200.27	1,112.21	-73.15	-36.78	1,899,440.92	507,877.94	36.2203250	-107.8066257
1,178.00	11.90	201.03	1,171.98	-84.56	-41.08	1,899,429.51	507,873.64	36.2202937	-107.8066403
1,238.00	12.68	201.62	1,230.60	-96.46	-45.73	1,899,417.61	507,869.00	36.2202610	-107.8066561
1,299.00	14.03	201.69	1,289.95	-109.55	-50.93	1,899,404.51	507,863.80	36.2202250	-107.8066737
1,359.00	15.78	203.23	1,347.93	-123.81	-56.84	1,899,390.26	507,857.90	36.2201858	-107.8066937
1,420.00	17.02	203.35	1,406.45	-139.63	-63.65	1,899,374.44	507,851.09	36.2201424	-107.8067168
1,481.00	18.36	205.92	1,464.56	-156.47	-71.38	1,899,357.60	507,843.36	36.2200961	-107.8067430
1,541.00	20.14	203.46	1,521.21	-174.44	-79.63	1,899,339.62	507,835.12	36.2200467	-107.8067710
1,602.00	21.65	203.69	1,578.19	-194.38	-88.33	1,899,319.68	507,826.43	36.2199920	-107.8068005
1,662.00	22.14	202.44	1,633.87	-214.97	-97.09	1,899,299.09	507,817.67	36.2199354	-107.8068302
1,723.00	23.24	203.41	1,690.14	-236.64	-106.26	1,899,277.42	507,808.51	36.2198759	-107.8068613
1,783.00	24.30	203.64	1,745.05	-258.81	-115.92	1,899,255.24	507,798.86	36.2198150	-107.8068940
1,844.00	24.97	202.32	1,800.50	-282.22	-125.84	1,899,231.83	507,788.94	36.2197507	-107.8069276
1,905.00	24.24	200.24	1,855.96	-305.88	-135.06	1,899,208.17	507,779.73	36.2196857	-107.8069589
1,966.00	24.37	198.49	1,911.56	-329.57	-143.38	1,899,184.48	507,771.41	36.2196206	-107.8069871
2,027.00	25.14	198.81	1,966.95	-353.77	-151.55	1,899,160.27	507,763.25	36.2195541	-107.8070148
2,088.00	25.43	200.61	2,022.11	-378.29	-160.34	1,899,135.75	507,754.46	36.2194867	-107.8070446
2,148.00	26.03	202.74	2,076.16	-402.49	-169.97	1,899,111.54	507,744.85	36.2194203	-107.8070772
2,209.00	27.00	203.09	2,130.75	-427.57	-180.57	1,899,086.46	507,734.25	36.2193514	-107.8071132
2,270.00	27.41	202.83	2,185.00	-453.25	-191.45	1,899,060.78	507,723.38	36.2192808	-107.8071501
2,330.00	26.86	202.67	2,238.39	-478.49	-202.03	1,899,035.54	507,712.80	36.2192115	-107.8071859
2,391.00	25.44	202.55	2,293.15	-503.31	-212.37	1,899,010.72	507,702.47	36.2191433	-107.8072210
2,452.00	24.46	204.04	2,348.46	-526.94	-222.54	1,898,987.08	507,692.31	36.2190784	-107.8072555
2,512.01	24.16	205.60	2,403.14	-549.36	-232.90	1,898,964.66	507,681.95	36.2190168	-107.8072906
2,573.01	23.40	203.09	2,458.96	-571.76	-243.05	1,898,942.26	507,671.81	36.2189553	-107.8073250
2,634.01	22.80	203.50	2,515.07	-593.74	-252.51	1,898,920.27	507,662.36	36.2188949	-107.8073571
2,695.01	22.64	205.18	2,571.33	-615.21	-262.22	1,898,898.81	507,652.65	36.2188359	-107.8073900
2,756.01	22.51	203.92	2,627.66	-636.50	-271.95	1,898,877.50	507,642.93	36.2187774	-107.8074230
2,816.01	22.07	205.07	2,683.18	-657.21	-281.38	1,898,856.79	507,633.50	36.2187205	-107.8074550
2,880.01	22.35	205.16	2,742.43	-679.12	-291.65	1,898,834.88	507,623.24	36.2186603	-107.8074898
2,944.01	22.89	203.09	2,801.51	-701.58	-301.71	1,898,812.42	507,613.19	36.2185986	-107.8075238
3,008.01	22.29	202.08	2,860.60	-724.28	-311.15	1,898,789.72	507,603.75	36.2185363	-107.8075559
3,071.01	21.78	202.12	2,918.99	-746.18	-320.04	1,898,767.82	507,594.87	36.2184761	-107.8075860
3,135.01	21.37	200.27	2,978.51	-768.12	-328.55	1,898,745.88	507,586.36	36.2184158	-107.8076149
3,198.01	21.67	201.67	3,037.12	-789.69	-336.82	1,898,724.30	507,578.10	36.2183565	-107.8076429
3,261.01	22.16	202.08	3,095.57	-811.51	-345.59	1,898,702.47	507,569.34	36.2182966	-107.8076726
3,325.01	21.69	203.15	3,154.94	-833.57	-354.77	1,898,680.41	507,560.16	36.2182360	-107.8077037
3,389.01	21.65	203.26	3,214.42	-855.30	-364.08	1,898,658.69	507,550.85	36.2181763	-107.8077353
3,452.01	21.49	204.80	3,273.00	-876.45	-373.51	1,898,637.53	507,541.43	36.2181182	-107.8077673
3,516.01	21.11	208.08	3,332.63	-897.26	-383.86	1,898,616.72	507,531.09	36.2180610	-107.8078023
3,579.01	19.96	207.53	3,391.63	-916.80	-394.17	1,898,597.17	507,520.79	36.2180074	-107.8078373
3,643.01	18.73	205.42	3,452.02	-935.77	-403.63	1,898,578.20	507,511.33	36.2179552	-107.8078694
3,707.01	17.06	206.38	3,512.92	-953.47	-412.21	1,898,560.50	507,502.76	36.2179066	-107.8078985
3,770.01	15.56	207.35	3,573.38	-969.25	-420.20	1,898,544.72	507,494.77	36.2178633	-107.8079255
3,833.01	13.96	207.06	3,634.30	-983.52	-427.54	1,898,530.44	507,487.44	36.2178241	-107.8079504
3,865.01	12.69	206.23	3,665.44	-990.11	-430.85	1,898,523.85	507,484.13	36.2178060	-107.8079616
Last SDI Surface MWD Survey									
3,896.01	12.84	210.60	3,695.67	-996.13	-434.11	1,898,517.83	507,480.87	36.2177894	-107.8079727
First SDI Curve MWD Survey									
3,928.01	13.63	224.22	3,726.83	-1,001.90	-438.55	1,898,512.06	507,476.43	36.2177736	-107.8079877

Company:	WPX Energy	Local Co-ordinate Reference:	Well KWU #771H - Slot A1
Project:	T23N R9W	TVD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Site:	2309-17P KWU	MD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Well:	KWU #771H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,960.01	14.42	238.98	3,757.89	-1,006.66	-444.59	1,898,507.31	507,470.39	36.2177605	-107.8080082
3,992.01	14.69	250.31	3,788.87	-1,010.08	-451.83	1,898,503.88	507,463.15	36.2177511	-107.8080328
4,023.01	15.59	256.83	3,818.79	-1,012.35	-459.59	1,898,501.61	507,455.40	36.2177449	-107.8080591
4,055.01	17.14	265.15	3,849.50	-1,013.73	-468.47	1,898,500.23	507,446.51	36.2177411	-107.8080892
4,087.01	17.99	267.16	3,880.01	-1,014.37	-478.11	1,898,499.58	507,436.87	36.2177393	-107.8081219
4,119.01	18.94	272.56	3,910.36	-1,014.39	-488.23	1,898,499.56	507,426.75	36.2177393	-107.8081562
4,150.01	20.49	278.98	3,939.55	-1,013.31	-498.62	1,898,500.63	507,416.36	36.2177422	-107.8081914
4,182.01	22.44	285.67	3,969.33	-1,010.79	-510.04	1,898,503.15	507,404.95	36.2177492	-107.8082301
4,213.01	24.45	288.74	3,997.77	-1,007.13	-521.81	1,898,506.81	507,393.17	36.2177592	-107.8082700
4,246.01	27.08	291.29	4,027.49	-1,002.21	-535.28	1,898,511.73	507,379.70	36.2177727	-107.8083157
4,277.01	29.19	293.47	4,054.83	-996.63	-548.79	1,898,517.30	507,366.19	36.2177880	-107.8083615
4,309.01	31.74	295.54	4,082.41	-989.90	-563.54	1,898,524.03	507,351.43	36.2178066	-107.8084115
4,340.01	33.67	297.17	4,108.49	-982.46	-578.55	1,898,531.47	507,336.43	36.2178270	-107.8084624
4,372.01	35.29	298.69	4,134.87	-973.97	-594.55	1,898,539.95	507,320.42	36.2178503	-107.8085166
4,403.01	37.37	299.02	4,159.84	-965.10	-610.63	1,898,548.81	507,304.34	36.2178747	-107.8085711
4,435.01	39.05	300.42	4,184.99	-955.29	-627.82	1,898,558.62	507,287.15	36.2179016	-107.8086294
4,467.01	41.34	301.55	4,209.43	-944.65	-645.52	1,898,569.25	507,269.44	36.2179308	-107.8086894
4,499.01	43.35	302.71	4,233.08	-933.18	-663.77	1,898,580.72	507,251.19	36.2179623	-107.8087513
4,530.01	45.69	304.10	4,255.18	-921.21	-681.91	1,898,592.68	507,233.05	36.2179952	-107.8088128
4,562.01	47.09	305.13	4,277.25	-908.05	-700.98	1,898,605.84	507,213.98	36.2180314	-107.8088774
4,594.01	49.77	306.67	4,298.48	-894.01	-720.36	1,898,619.87	507,194.59	36.2180700	-107.8089431
4,625.01	51.38	306.62	4,318.17	-879.72	-739.58	1,898,634.16	507,175.37	36.2181092	-107.8090083
4,657.01	54.65	308.29	4,337.42	-864.17	-759.86	1,898,649.70	507,155.08	36.2181519	-107.8090770
4,689.01	57.16	311.41	4,355.36	-847.19	-780.19	1,898,666.68	507,134.75	36.2181986	-107.8091459
4,721.01	58.61	312.77	4,372.37	-829.02	-800.30	1,898,684.84	507,114.63	36.2182485	-107.8092141
4,753.01	58.56	312.20	4,389.05	-810.57	-820.44	1,898,703.28	507,094.49	36.2182992	-107.8092824
4,784.01	60.12	311.38	4,404.86	-792.81	-840.32	1,898,721.05	507,074.60	36.2183480	-107.8093498
4,816.01	64.37	311.59	4,419.76	-774.05	-861.13	1,898,739.80	507,053.39	36.2183995	-107.8094217
4,848.01	67.47	313.00	4,432.81	-754.39	-883.13	1,898,759.45	507,031.78	36.2184535	-107.8094949
4,879.01	69.38	314.05	4,444.21	-734.54	-904.03	1,898,779.30	507,010.87	36.2185080	-107.8095658
4,911.01	71.93	315.19	4,454.81	-713.33	-925.52	1,898,800.50	506,989.38	36.2185663	-107.8096386
4,942.01	74.83	314.40	4,463.68	-692.40	-946.60	1,898,821.42	506,968.29	36.2186238	-107.8097101
4,974.01	78.08	314.72	4,471.17	-670.58	-968.76	1,898,843.24	506,946.13	36.2186837	-107.8097852
5,006.01	82.57	314.93	4,476.55	-648.35	-991.13	1,898,865.46	506,923.75	36.2187448	-107.8098611
5,022.01	85.12	314.84	4,478.26	-637.12	-1,002.40	1,898,876.69	506,912.48	36.2187756	-107.8098993
5,063.01	85.12	315.44	4,481.75	-608.16	-1,031.22	1,898,905.63	506,883.65	36.2188552	-107.8099970
36.2188552, -107.8099969 - 7" Casing @ 5063' MD									
5,094.01	85.12	315.89	4,484.39	-586.07	-1,052.80	1,898,927.72	506,862.06	36.2189159	-107.8100702
5,189.01	87.58	314.24	4,490.44	-518.97	-1,119.76	1,898,994.81	506,795.09	36.2191002	-107.8102972
5,253.01	88.90	313.70	4,492.40	-474.55	-1,165.80	1,899,039.21	506,749.04	36.2192222	-107.8104532
Last SDI Curve MWD Survey									
5,316.01	90.31	313.17	4,492.84	-431.24	-1,211.54	1,899,082.51	506,703.28	36.2193412	-107.8106083
First SDI Lateral MWD Survey									
5,379.01	90.92	313.70	4,492.16	-387.93	-1,257.29	1,899,125.81	506,657.52	36.2194602	-107.8107634
5,443.01	90.66	314.22	4,491.28	-343.51	-1,303.35	1,899,170.21	506,611.45	36.2195822	-107.8109196
5,506.01	90.48	313.61	4,490.65	-299.81	-1,348.73	1,899,213.90	506,566.05	36.2197022	-107.8110734
5,570.01	90.07	312.92	4,490.34	-255.95	-1,395.34	1,899,257.75	506,519.44	36.2198227	-107.8112314
5,634.01	90.40	312.11	4,490.08	-212.70	-1,442.51	1,899,300.98	506,472.25	36.2199415	-107.8113914
5,699.01	89.93	310.62	4,489.89	-169.75	-1,491.29	1,899,343.92	506,423.46	36.2200595	-107.8115568
5,762.01	90.24	310.75	4,489.80	-128.68	-1,539.07	1,899,384.98	506,375.67	36.2201724	-107.8117187
5,826.01	90.40	311.15	4,489.44	-86.73	-1,587.40	1,899,426.91	506,327.33	36.2202876	-107.8118826
5,890.01	91.41	313.33	4,488.43	-43.72	-1,634.78	1,899,469.91	506,279.94	36.2204057	-107.8120432
5,954.01	91.68	313.94	4,486.71	0.43	-1,681.08	1,899,514.05	506,233.63	36.2205270	-107.8122002
6,017.01	91.14	314.38	4,485.16	44.31	-1,726.26	1,899,557.91	506,188.43	36.2206475	-107.8123534
6,081.01	89.60	314.04	4,484.74	88.93	-1,772.13	1,899,602.52	506,142.55	36.2207701	-107.8125089

Company:	WPX Energy	Local Co-ordinate Reference:	Well KWU #771H - Slot A1
Project:	T23N R9W	TVD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Site:	2309-17P KWU	MD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Well:	KWU #771H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
6,145.01	89.13	313.87	4,485.45	133.35	-1,818.20	1,899,646.93	506,096.47	36.2208921	-107.8126651
6,209.01	89.50	315.50	4,486.22	178.35	-1,863.70	1,899,691.92	506,050.96	36.2210158	-107.8128194
6,274.01	89.06	315.36	4,487.03	224.65	-1,909.31	1,899,738.21	506,005.33	36.2211429	-107.8129740
6,337.01	90.13	316.77	4,487.48	270.02	-1,953.02	1,899,783.56	505,961.61	36.2212676	-107.8131222
6,401.01	90.24	317.11	4,487.27	316.78	-1,996.72	1,899,830.31	505,917.90	36.2213960	-107.8132704
6,465.01	89.87	316.66	4,487.21	363.50	-2,040.46	1,899,877.01	505,874.14	36.2215243	-107.8134187
6,528.01	89.36	316.11	4,487.64	409.11	-2,083.92	1,899,922.61	505,830.68	36.2216496	-107.8135660
6,592.01	88.89	315.55	4,488.61	455.01	-2,128.51	1,899,968.50	505,786.07	36.2217757	-107.8137172
6,656.01	89.26	316.19	4,489.65	500.94	-2,173.06	1,900,014.42	505,741.50	36.2219019	-107.8138682
6,719.01	89.73	317.31	4,490.20	546.82	-2,216.23	1,900,060.29	505,698.33	36.2220279	-107.8140146
6,783.01	89.29	316.46	4,490.75	593.54	-2,259.97	1,900,107.00	505,654.58	36.2221563	-107.8141629
6,847.01	89.19	316.07	4,491.60	639.78	-2,304.21	1,900,153.22	505,610.32	36.2222833	-107.8143129
6,910.01	89.09	315.46	4,492.54	684.91	-2,348.15	1,900,198.34	505,566.37	36.2224073	-107.8144619
6,974.01	89.26	315.69	4,493.46	730.61	-2,392.94	1,900,244.03	505,521.56	36.2225328	-107.8146138
7,038.01	89.43	315.28	4,494.20	776.25	-2,437.81	1,900,289.65	505,476.68	36.2226582	-107.8147659
7,102.01	89.13	314.77	4,495.00	821.52	-2,483.04	1,900,334.91	505,431.44	36.2227825	-107.8149193
7,166.01	90.03	316.04	4,495.47	867.09	-2,527.97	1,900,380.47	505,386.49	36.2229077	-107.8150716
7,230.01	90.20	316.18	4,495.34	913.21	-2,572.34	1,900,426.58	505,342.11	36.2230344	-107.8152220
7,294.01	90.48	315.81	4,494.96	959.24	-2,616.81	1,900,472.60	505,297.64	36.2231608	-107.8153728
7,355.01	88.86	314.41	4,495.31	1,002.46	-2,659.85	1,900,515.80	505,254.58	36.2232795	-107.8155187
7,418.02	88.35	313.95	4,496.85	1,046.35	-2,705.02	1,900,559.68	505,209.40	36.2234001	-107.8156719
7,482.02	89.02	315.39	4,498.32	1,091.33	-2,750.52	1,900,604.65	505,163.88	36.2235237	-107.8158262
7,546.02	88.82	315.04	4,499.52	1,136.75	-2,795.60	1,900,650.05	505,118.79	36.2236484	-107.8159790
7,610.02	90.24	315.58	4,500.05	1,182.24	-2,840.60	1,900,695.54	505,073.78	36.2237734	-107.8161316
7,673.02	90.37	317.28	4,499.71	1,227.89	-2,884.02	1,900,741.17	505,030.34	36.2238988	-107.8162788
7,736.02	90.34	316.62	4,499.32	1,273.92	-2,927.03	1,900,787.19	504,987.32	36.2240252	-107.8164246
7,799.02	89.46	316.18	4,499.43	1,319.55	-2,970.48	1,900,832.80	504,943.87	36.2241505	-107.8165720
7,863.02	88.92	316.50	4,500.34	1,365.84	-3,014.66	1,900,879.09	504,899.67	36.2242777	-107.8167218
7,927.02	89.76	317.00	4,501.07	1,412.45	-3,058.50	1,900,925.69	504,855.81	36.2244057	-107.8168704
7,991.02	90.40	317.28	4,500.98	1,459.37	-3,102.04	1,900,972.59	504,812.27	36.2245346	-107.8170180
8,055.02	89.76	316.65	4,500.89	1,506.15	-3,145.71	1,901,019.35	504,768.58	36.2246631	-107.8171661
8,119.02	89.39	315.64	4,501.37	1,552.29	-3,190.05	1,901,065.49	504,724.23	36.2247899	-107.8173165
8,183.02	89.19	315.10	4,502.16	1,597.84	-3,235.01	1,901,111.02	504,679.26	36.2249150	-107.8174689
8,246.02	89.36	315.35	4,502.96	1,642.56	-3,279.38	1,901,155.73	504,634.87	36.2250378	-107.8176194
8,307.02	90.10	316.62	4,503.25	1,686.42	-3,321.76	1,901,199.58	504,592.48	36.2251583	-107.8177631
8,368.02	90.50	316.48	4,502.93	1,730.71	-3,363.71	1,901,243.85	504,550.52	36.2252799	-107.8179053
8,427.02	90.00	315.70	4,502.67	1,773.21	-3,404.63	1,901,286.35	504,509.59	36.2253967	-107.8180441
8,488.02	90.00	315.40	4,502.67	1,816.76	-3,447.35	1,901,329.88	504,466.86	36.2255163	-107.8181889
8,549.02	90.37	315.22	4,502.47	1,860.12	-3,490.25	1,901,373.24	504,423.95	36.2256354	-107.8183344
8,610.02	90.64	315.52	4,501.93	1,903.53	-3,533.10	1,901,416.63	504,381.08	36.2257547	-107.8184797
8,671.02	89.53	314.96	4,501.84	1,946.85	-3,576.05	1,901,459.93	504,338.12	36.2258736	-107.8186253
8,732.02	89.12	314.50	4,502.56	1,989.77	-3,619.39	1,901,502.85	504,294.77	36.2259915	-107.8187723
8,792.02	89.46	314.20	4,503.31	2,031.71	-3,662.29	1,901,544.78	504,251.86	36.2261067	-107.8189177
8,853.02	89.43	313.48	4,503.90	2,073.96	-3,706.28	1,901,587.01	504,207.85	36.2262228	-107.8190669
8,914.02	89.13	313.04	4,504.66	2,115.76	-3,750.70	1,901,628.80	504,163.42	36.2263376	-107.8192175
8,974.02	89.29	312.45	4,505.49	2,156.48	-3,794.76	1,901,669.51	504,119.35	36.2264495	-107.8193669
9,034.02	89.36	312.52	4,506.20	2,197.00	-3,839.01	1,901,710.02	504,075.10	36.2265608	-107.8195170
9,095.02	88.96	312.94	4,507.09	2,238.39	-3,883.81	1,901,751.39	504,030.28	36.2266744	-107.8196689
9,156.02	88.76	313.43	4,508.31	2,280.13	-3,928.28	1,901,793.12	503,985.80	36.2267891	-107.8198197
9,216.02	88.69	313.64	4,509.64	2,321.44	-3,971.76	1,901,834.42	503,942.30	36.2269026	-107.8199671
9,276.02	89.56	314.82	4,510.56	2,363.29	-4,014.75	1,901,876.26	503,899.30	36.2270175	-107.8201129
9,337.02	89.83	314.63	4,510.88	2,406.22	-4,058.09	1,901,919.17	503,855.95	36.2271354	-107.8202599
9,398.02	89.12	313.51	4,511.44	2,448.64	-4,101.92	1,901,961.58	503,812.12	36.2272520	-107.8204085
9,458.02	88.45	313.83	4,512.71	2,490.06	-4,145.31	1,902,002.99	503,768.72	36.2273657	-107.8205556
9,519.02	89.16	315.22	4,513.99	2,532.83	-4,188.78	1,902,045.74	503,725.22	36.2274832	-107.8207030

Company:	WPX Energy	Local Co-ordinate Reference:	Well KWU #771H - Slot A1
Project:	T23N R9W	TVD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Site:	2309-17P KWU	MD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Well:	KWU #771H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
9,580.02	90.10	316.62	4,514.38	2,576.64	-4,231.22	1,902,089.55	503,682.78	36.2276035	-107.8208469
9,641.02	90.07	316.50	4,514.29	2,620.94	-4,273.16	1,902,133.83	503,640.82	36.2277252	-107.8209892
9,700.02	91.58	317.36	4,513.44	2,664.03	-4,313.45	1,902,176.91	503,600.53	36.2278436	-107.8211258
9,761.02	92.32	317.03	4,511.36	2,708.76	-4,354.87	1,902,221.63	503,559.09	36.2279664	-107.8212662
9,822.02	90.30	315.73	4,509.97	2,752.90	-4,396.94	1,902,265.76	503,517.01	36.2280877	-107.8214089
9,882.02	88.52	315.69	4,510.59	2,795.85	-4,438.83	1,902,308.70	503,475.10	36.2282056	-107.8215510
9,943.02	89.06	315.64	4,511.88	2,839.47	-4,481.45	1,902,352.31	503,432.47	36.2283255	-107.8216955
10,004.02	91.78	315.72	4,511.43	2,883.11	-4,524.07	1,902,395.93	503,389.85	36.2284453	-107.8218400
10,065.02	90.07	312.10	4,510.44	2,925.40	-4,568.00	1,902,438.21	503,345.90	36.2285615	-107.8219890
10,125.02	91.41	310.62	4,509.67	2,965.04	-4,613.03	1,902,477.84	503,300.86	36.2286704	-107.8221417
10,146.02	91.89	310.71	4,509.06	2,978.72	-4,628.95	1,902,491.51	503,284.94	36.2287079	-107.8221957
10,207.02	92.86	312.82	4,506.54	3,019.31	-4,674.41	1,902,532.09	503,239.47	36.2288194	-107.8223498
10,268.02	91.98	313.52	4,503.96	3,061.01	-4,718.86	1,902,573.78	503,195.01	36.2289340	-107.8225005
10,329.02	90.13	312.82	4,502.84	3,102.73	-4,763.33	1,902,615.49	503,150.52	36.2290486	-107.8226514
10,389.02	88.55	312.20	4,503.53	3,143.27	-4,807.56	1,902,656.02	503,106.28	36.2291599	-107.8228013
10,450.02	89.43	312.73	4,504.60	3,184.45	-4,852.55	1,902,697.18	503,061.28	36.2292730	-107.8229539
10,511.02	89.08	311.94	4,505.40	3,225.53	-4,897.64	1,902,738.25	503,016.18	36.2293858	-107.8231068
10,571.02	90.22	311.68	4,505.76	3,265.52	-4,942.36	1,902,778.23	502,971.45	36.2294957	-107.8232585
10,632.02	89.34	312.64	4,506.00	3,306.47	-4,987.58	1,902,819.16	502,926.22	36.2296081	-107.8234118
10,693.02	89.34	314.05	4,506.70	3,348.33	-5,031.93	1,902,861.02	502,881.85	36.2297231	-107.8235622
10,754.02	89.25	313.70	4,507.45	3,390.61	-5,075.90	1,902,903.28	502,837.87	36.2298392	-107.8237113
10,815.02	89.78	313.70	4,507.97	3,432.75	-5,120.00	1,902,945.41	502,793.76	36.2299550	-107.8238609
10,875.02	90.13	314.14	4,508.01	3,474.37	-5,163.22	1,902,987.02	502,750.53	36.2300693	-107.8240074
10,936.02	90.04	313.08	4,507.92	3,516.44	-5,207.39	1,903,029.08	502,706.35	36.2301849	-107.8241572
10,997.02	89.78	316.16	4,508.02	3,559.28	-5,250.80	1,903,071.91	502,662.93	36.2303025	-107.8243044
11,060.02	89.87	315.54	4,508.21	3,604.49	-5,294.68	1,903,117.10	502,619.03	36.2304267	-107.8244532
11,124.02	90.57	315.63	4,507.97	3,650.20	-5,339.47	1,903,162.80	502,574.23	36.2305523	-107.8246051
11,187.02	90.66	315.37	4,507.29	3,695.13	-5,383.63	1,903,207.72	502,530.06	36.2306757	-107.8247549
11,250.02	89.60	315.72	4,507.15	3,740.10	-5,427.75	1,903,252.67	502,485.93	36.2307992	-107.8249045
11,313.02	89.60	317.12	4,507.59	3,785.74	-5,471.18	1,903,298.30	502,442.49	36.2309245	-107.8250518
11,377.02	89.69	316.69	4,507.98	3,832.47	-5,514.90	1,903,345.02	502,398.75	36.2310529	-107.8252001
11,440.02	89.78	315.72	4,508.27	3,877.95	-5,558.50	1,903,390.48	502,355.14	36.2311778	-107.8253479
11,504.02	90.13	314.49	4,508.32	3,923.28	-5,603.67	1,903,435.81	502,309.96	36.2313023	-107.8255011
11,568.02	89.87	313.96	4,508.32	3,967.92	-5,649.53	1,903,480.43	502,264.08	36.2314249	-107.8256566
11,632.02	88.20	313.61	4,509.40	4,012.20	-5,695.73	1,903,524.70	502,217.87	36.2315465	-107.8258133
11,696.02	88.46	315.45	4,511.27	4,057.06	-5,741.33	1,903,569.54	502,172.26	36.2316697	-107.8259680
11,760.02	88.64	316.07	4,512.89	4,102.90	-5,785.97	1,903,615.37	502,127.61	36.2317956	-107.8261193
11,823.02	89.60	316.16	4,513.85	4,148.30	-5,829.64	1,903,660.76	502,083.93	36.2319203	-107.8262674
11,886.02	89.60	315.37	4,514.29	4,193.43	-5,873.58	1,903,705.88	502,039.97	36.2320443	-107.8264165
11,949.02	90.22	315.37	4,514.39	4,238.27	-5,917.84	1,903,750.70	501,995.70	36.2321675	-107.8265666
12,013.02	90.57	315.28	4,513.95	4,283.78	-5,962.84	1,903,796.20	501,950.69	36.2322925	-107.8267192
12,077.02	90.75	314.58	4,513.21	4,328.97	-6,008.15	1,903,841.38	501,905.37	36.2324166	-107.8268728
12,141.02	90.66	314.40	4,512.43	4,373.82	-6,053.80	1,903,886.22	501,859.70	36.2325398	-107.8270277
12,201.02	89.43	314.05	4,512.38	4,415.67	-6,099.79	1,903,928.05	501,816.70	36.2326547	-107.8271735
12,260.02	89.60	314.14	4,512.88	4,456.72	-6,139.17	1,903,969.10	501,774.32	36.2327675	-107.8273172
12,321.02	90.04	313.70	4,513.07	4,499.03	-6,183.10	1,904,011.40	501,730.36	36.2328837	-107.8274662
12,381.03	90.47	313.36	4,512.80	4,540.36	-6,226.61	1,904,052.71	501,686.85	36.2329972	-107.8276137

36.2329972, -107.8276137 - RSI @ 12,381' MD

12,382.03	90.48	313.35	4,512.79	4,541.04	-6,227.33	1,904,053.39	501,686.12	36.2329990	-107.8276162
12,442.03	90.75	312.91	4,512.15	4,582.06	-6,271.12	1,904,094.40	501,642.33	36.2331117	-107.8277647
12,461.03	90.75	312.73	4,511.90	4,594.97	-6,285.05	1,904,107.31	501,628.39	36.2331472	-107.8278119

Last SDI Lateral MWD Survey

12,515.03	90.75	312.73	4,511.20	4,631.61	-6,324.72	1,904,143.93	501,588.72	36.2332478	-107.8279465
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Projected to TD

Company:	WPX Energy	Local Co-ordinate Reference:	Well KWU #771H - Slot A1
Project:	T23N R9W	TVD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Site:	2309-17P KWU	MD Reference:	GL 6561' & RKB 14' @ 6575.01ft (Aztec 920)
Well:	KWU #771H	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Grand Junction District

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
12,381.03	4,512.80	4,540.36	-6,226.61	36.2329972, -107.8276137
12,381.03	4,512.80	4,540.36	-6,226.61	RSI @ 12,381' MD
12,481.03	4,511.90	4,594.97	-6,285.05	Last SDI Lateral MWD Survey
12,515.03	4,511.20	4,631.61	-6,324.72	Projected to TD

Checked By: _____ Approved By: _____ Date: _____