



<b>Well Details: RGU 313-25-198</b>						
TVD Reference: GL & KB 24' @ 6646.01ft (H&P 318) and Level: 6622.01						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1232095.27	2199661.11	39.9351182	-108.3545638	A05
<b>REFERENCE INFORMATION</b>						
Co-ordinate (N/E) Reference: Well RGU 313-25-198 - Slot A05, True North						
Vertical (TVD) Reference: GL & KB 24' @ 6646.01ft (H&P 318)						
Section (VS) Reference: Slot - A05(0.00N, 0.00E)						
Measured Depth Reference: GL & KB 24' @ 6646.01ft (H&P 318)						
Calculation Method: Minimum Curvature						
<b>PROJECT DETAILS: Rio Blanco County, CO NAD83</b>						
Geodetic System: US State Plane 1983						
Datum: North American Datum 1983						
Ellipsoid: GRS 1980						
Zone: Colorado Northern Zone						
System Datum: Mean Sea Level						
Plan: Wellbore #1						
12:33, April 30 2015 Created By: Mel Mireles						



## Directional Survey Certification

2948 I-70 Business Loop  
Grand Junction, CO 81504  
(970)-245-9447 Fax (970)-245-9454

<b>Operator</b>	<u>WPX Energy Rocky Mountain, LLC.</u>
<b>Well Name &amp; No.</b>	<u>RGU 313-25-198</u>
<b>County &amp; State</b>	<u>Garfield County, CO</u>
<b>SDI Job No.</b>	<u>420415DEFMP273029</u>
<b>Rig</b>	<u>H&amp;P 318</u>

I, Mel Mireles Jr., having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 0 feet to a measured depth of 12,799 feet is true and correct as determined from all available records.

Signature

30-Apr-15

Date

**Mel Mireles Jr.**  
Grand Junction Assistant Well Planner  
Scientific Drilling - Colorado District

<b>Company:</b>	WPX Energy Rocky Mountain, LLC	<b>Local Co-ordinate Reference:</b>	Well RGU 313-25-198 - Slot A05
<b>Project:</b>	Rio Blanco County, CO NAD83	<b>TVD Reference:</b>	GL & KB 24' @ 6646.01ft (H&P 318)
<b>Site:</b>	RGU 42-26-198 Pad	<b>MD Reference:</b>	GL & KB 24' @ 6646.01ft (H&P 318)
<b>Well:</b>	RGU 313-25-198	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	Grand Junction District

<b>Project</b>	Rio Blanco County, CO NAD83, Rio Blanco County, CO, NAD 1983		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

<b>Site</b>	RGU 42-26-198 Pad				
<b>Site Position:</b>		<b>Northing:</b>	1,232,138.06 usft	<b>Latitude:</b>	39.9352371
<b>From:</b>	Map	<b>Easting:</b>	2,199,678.24 usft	<b>Longitude:</b>	-108.3545077
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13.200 in	<b>Grid Convergence:</b>	-1.84 °

<b>Well</b>	RGU 313-25-198 - Slot A05					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	1,232,095.27 usft	<b>Latitude:</b>	39.9351182
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,199,661.11 usft	<b>Longitude:</b>	-108.3545639
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b>	6,622.01 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	1/24/2013	10.36	65.99	52,274

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	136.32	

<b>Survey Program</b>	<b>Date</b>	4/28/2015			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
109.00	625.00	Survey #1 - Gyro MWD (Wellbore #1)	SDI Gyro MWD 104	SDI Gyro MWD Error Model Ver 1.0.4	
703.00	3,971.00	Survey #2 - Surface MWD (Wellbore #1)	MWD SDI	MWD - Standard ver 1.0.1	
4,062.00	12,799.00	Survey #3 - Production MWD (Wellbore #1)	MWD SDI	MWD - Standard ver 1.0.1	

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
109.00	0.18	220.17	109.00	-0.13	-0.11	0.02	0.17	0.17	0.00	
<b>First SDI Gyro MWD Survey</b>										
170.00	1.50	157.06	169.99	-0.94	0.14	0.78	2.34	2.16	-103.46	
261.00	3.78	142.65	260.89	-4.42	2.42	4.87	2.59	2.51	-15.84	
352.00	6.60	139.75	351.51	-10.80	7.62	13.07	3.11	3.10	-3.19	
443.00	8.80	136.49	441.68	-19.84	15.80	25.26	2.46	2.42	-3.58	
534.00	11.44	136.49	531.26	-31.43	26.80	41.25	2.90	2.90	0.00	
625.00	13.02	135.44	620.19	-45.28	40.21	60.52	1.75	1.74	-1.15	

<b>Company:</b>	WPX Energy Rocky Mountain, LLC	<b>Local Co-ordinate Reference:</b>	Well RGU 313-25-198 - Slot A05
<b>Project:</b>	Rio Blanco County, CO NAD83	<b>TVD Reference:</b>	GL & KB 24' @ 6646.01ft (H&P 318)
<b>Site:</b>	RGU 42-26-198 Pad	<b>MD Reference:</b>	GL & KB 24' @ 6646.01ft (H&P 318)
<b>Well:</b>	RGU 313-25-198	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	Grand Junction District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
<b>Last SDI Gyro MWD Survey</b>										
703.00	14.16	134.89	696.01	-58.28	53.13	78.84	1.47	1.46	-0.71	
<b>First SDI Surface MWD Survey</b>										
794.00	15.21	133.93	784.03	-74.42	69.62	101.90	1.18	1.15	-1.05	
886.00	15.83	132.87	872.68	-91.33	87.51	126.48	0.74	0.67	-1.15	
977.00	16.36	134.81	960.11	-108.80	105.69	151.68	0.83	0.58	2.13	
1,071.00	17.23	134.98	1,050.10	-127.97	124.94	178.84	0.93	0.93	0.18	
1,166.00	16.82	136.45	1,140.94	-147.88	144.36	206.65	0.63	-0.43	1.55	
1,260.00	17.53	136.15	1,230.75	-167.95	163.54	234.40	0.76	0.76	-0.32	
1,355.00	15.66	136.46	1,321.78	-187.56	182.28	261.54	1.97	-1.97	0.33	
1,449.00	15.51	136.30	1,412.33	-205.84	199.70	286.79	0.17	-0.16	-0.17	
1,543.00	15.30	136.04	1,502.95	-223.86	217.00	311.76	0.24	-0.22	-0.28	
1,637.00	15.39	137.71	1,593.60	-242.01	234.00	336.63	0.48	0.10	1.78	
1,731.00	15.92	138.67	1,684.11	-260.92	250.90	361.98	0.63	0.56	1.02	
1,805.00	15.95	138.05	1,755.27	-276.10	264.40	382.29	0.23	0.04	-0.84	
1,899.00	16.26	137.04	1,845.58	-295.34	282.01	408.35	0.44	0.33	-1.07	
1,993.00	16.66	137.96	1,935.73	-314.98	300.00	434.98	0.51	0.43	0.98	
2,088.00	16.96	138.42	2,026.67	-335.46	318.31	462.44	0.35	0.32	0.48	
2,182.00	15.39	137.86	2,116.95	-354.96	335.78	488.61	1.68	-1.67	-0.60	
2,276.00	15.01	137.21	2,207.66	-373.14	352.42	513.25	0.44	-0.40	-0.69	
2,371.00	15.13	137.19	2,299.39	-391.27	369.20	537.95	0.13	0.13	-0.02	
2,465.00	15.11	137.23	2,390.14	-409.26	385.86	562.47	0.02	-0.02	0.04	
2,559.00	15.15	137.66	2,480.88	-427.33	402.45	587.00	0.13	0.04	0.46	
2,654.00	15.30	137.69	2,572.54	-445.78	419.25	611.94	0.16	0.16	0.03	
2,748.00	15.41	138.53	2,663.19	-464.31	435.87	636.82	0.26	0.12	0.89	
2,842.00	15.58	138.82	2,753.77	-483.17	452.45	661.91	0.20	0.18	0.31	
2,936.00	15.74	138.81	2,844.28	-502.26	469.16	687.26	0.17	0.17	-0.01	
3,031.00	15.76	138.41	2,935.71	-521.61	486.21	713.02	0.12	0.02	-0.42	
3,125.00	15.13	138.66	3,026.32	-540.37	502.78	738.04	0.67	-0.67	0.27	
3,219.00	15.10	137.00	3,117.07	-558.53	519.24	762.54	0.46	-0.03	-1.77	
3,313.00	14.70	135.95	3,207.91	-576.06	535.88	786.71	0.51	-0.43	-1.12	
3,408.00	14.85	136.99	3,299.77	-593.62	552.56	810.93	0.32	0.16	1.09	
3,502.00	15.67	138.55	3,390.45	-611.95	569.19	835.66	0.98	0.87	1.66	
3,596.00	15.86	138.97	3,480.92	-631.15	586.02	861.18	0.24	0.20	0.45	
3,690.00	15.78	137.41	3,571.36	-650.25	603.10	886.79	0.46	-0.09	-1.66	
3,785.00	16.05	137.86	3,662.71	-669.50	620.66	912.83	0.31	0.28	0.47	
3,879.00	16.49	138.89	3,752.95	-689.19	638.15	939.15	0.56	0.47	1.10	
3,971.00	16.58	137.56	3,841.15	-708.71	655.59	965.32	0.42	0.10	-1.45	
<b>Last SDI Surface MWD Survey</b>										
4,062.00	16.68	135.89	3,928.34	-727.67	673.44	991.36	0.54	0.11	-1.84	
<b>First SDI Production MWD Survey</b>										
4,157.00	16.27	141.28	4,019.44	-747.84	691.26	1,018.25	1.67	-0.43	5.67	
4,251.00	17.05	146.01	4,109.50	-769.54	707.20	1,044.95	1.66	0.83	5.03	
4,345.00	17.67	137.62	4,199.23	-791.51	724.52	1,072.80	2.74	0.66	-8.93	

<b>Company:</b>	WPX Energy Rocky Mountain, LLC	<b>Local Co-ordinate Reference:</b>	Well RGU 313-25-198 - Slot A05
<b>Project:</b>	Rio Blanco County, CO NAD83	<b>TVD Reference:</b>	GL & KB 24' @ 6646.01ft (H&P 318)
<b>Site:</b>	RGU 42-26-198 Pad	<b>MD Reference:</b>	GL & KB 24' @ 6646.01ft (H&P 318)
<b>Well:</b>	RGU 313-25-198	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	Grand Junction District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,440.00	18.20	138.67	4,289.62	-813.30	744.04	1,102.04	0.65	0.56	1.11	
4,534.00	17.54	137.66	4,379.08	-834.80	763.27	1,130.87	0.78	-0.70	-1.07	
4,628.00	17.28	132.13	4,468.78	-854.63	783.17	1,158.96	1.78	-0.28	-5.88	
4,723.00	18.73	135.43	4,559.13	-874.97	804.34	1,188.28	1.87	1.53	3.47	
4,817.00	19.24	137.85	4,648.02	-897.20	825.32	1,218.86	1.00	0.54	2.57	
4,911.00	19.26	135.60	4,736.76	-919.76	846.56	1,249.84	0.79	0.02	-2.39	
5,006.00	16.00	133.66	4,827.29	-940.00	867.00	1,278.59	3.49	-3.43	-2.04	
5,100.00	16.44	135.69	4,917.55	-958.46	885.67	1,304.84	0.76	0.47	2.16	
5,194.00	16.28	139.57	5,007.75	-978.01	903.50	1,331.29	1.17	-0.17	4.13	
5,288.00	16.71	132.61	5,097.89	-997.19	922.00	1,357.93	2.15	0.46	-7.40	
5,382.00	17.41	129.36	5,187.75	-1,015.26	942.81	1,385.38	1.26	0.74	-3.46	
5,477.00	17.67	129.97	5,278.33	-1,033.53	964.85	1,413.82	0.34	0.27	0.64	
5,571.00	17.35	132.43	5,367.98	-1,052.15	986.13	1,441.98	0.86	-0.34	2.62	
5,665.00	16.97	132.63	5,457.80	-1,070.90	1,006.57	1,469.65	0.41	-0.40	0.21	
5,759.00	16.94	132.26	5,547.71	-1,089.40	1,026.80	1,497.00	0.12	-0.03	-0.39	
5,854.00	15.74	131.29	5,638.87	-1,107.21	1,046.72	1,523.64	1.30	-1.26	-1.02	
5,948.00	13.89	131.47	5,729.74	-1,123.10	1,064.76	1,547.59	1.97	-1.97	0.19	
6,042.00	13.79	134.75	5,821.01	-1,138.46	1,081.17	1,570.03	0.84	-0.11	3.49	
6,137.00	12.49	136.21	5,913.53	-1,153.84	1,096.32	1,591.62	1.41	-1.37	1.54	
6,231.00	10.55	136.56	6,005.63	-1,167.43	1,109.27	1,610.39	2.07	-2.06	0.37	
6,325.00	9.76	134.81	6,098.15	-1,179.30	1,120.84	1,626.96	0.90	-0.84	-1.86	
6,420.00	8.62	135.16	6,191.93	-1,190.02	1,131.58	1,642.13	1.20	-1.20	0.37	
6,514.00	7.33	138.11	6,285.02	-1,199.48	1,140.55	1,655.17	1.44	-1.37	3.14	
6,608.00	5.80	143.07	6,378.40	-1,207.74	1,147.41	1,665.88	1.73	-1.63	5.28	
6,703.00	5.36	138.59	6,472.95	-1,214.90	1,153.22	1,675.08	0.65	-0.46	-4.72	
6,797.00	4.66	141.75	6,566.59	-1,221.20	1,158.49	1,683.27	0.80	-0.74	3.36	
6,891.00	3.96	145.62	6,660.33	-1,226.87	1,162.69	1,690.27	0.81	-0.74	4.12	
6,985.00	3.61	143.16	6,754.12	-1,231.92	1,166.30	1,696.41	0.41	-0.37	-2.62	
7,079.00	2.90	148.87	6,847.97	-1,236.32	1,169.30	1,701.67	0.83	-0.76	6.07	
7,174.00	3.68	136.16	6,942.82	-1,240.58	1,172.65	1,707.07	1.12	0.82	-13.38	
7,290.00	4.33	140.87	7,058.53	-1,246.66	1,178.00	1,715.16	0.63	0.56	4.06	
7,385.00	2.36	139.10	7,153.37	-1,250.92	1,181.54	1,720.69	2.08	-2.07	-1.86	
7,479.00	1.60	161.93	7,247.31	-1,253.63	1,183.22	1,723.80	1.15	-0.81	24.29	
7,573.00	0.91	173.48	7,341.29	-1,255.62	1,183.71	1,725.58	0.78	-0.73	12.29	
7,668.00	1.16	176.78	7,436.27	-1,257.33	1,183.85	1,726.91	0.27	0.26	3.47	
7,762.00	1.27	202.56	7,530.25	-1,259.24	1,183.50	1,728.06	0.59	0.12	27.43	
7,856.00	1.06	101.60	7,624.24	-1,260.38	1,183.95	1,729.19	1.92	-0.22	-107.40	
7,950.00	2.58	70.09	7,718.19	-1,259.84	1,186.79	1,730.76	1.88	1.62	-33.52	
8,022.00	2.64	61.86	7,790.12	-1,258.50	1,189.78	1,731.86	0.53	0.08	-11.43	
8,116.00	1.93	68.98	7,884.04	-1,256.91	1,193.17	1,733.05	0.81	-0.76	7.57	
8,233.00	2.59	56.66	8,000.95	-1,254.75	1,197.21	1,734.28	0.70	0.56	-10.53	
8,327.00	1.75	57.02	8,094.88	-1,252.80	1,200.19	1,734.93	0.89	-0.89	0.38	
8,421.00	1.97	32.39	8,188.83	-1,250.66	1,202.26	1,734.80	0.87	0.23	-26.20	

<b>Company:</b>	WPX Energy Rocky Mountain, LLC	<b>Local Co-ordinate Reference:</b>	Well RGU 313-25-198 - Slot A05
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<b>Site:</b>	RGU 42-26-198 Pad	<b>MD Reference:</b>	GL & KB 24' @ 6646.01ft (H&P 318)
<b>Well:</b>	RGU 313-25-198	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	Grand Junction District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
8,515.00	1.40	37.32	8,282.79	-1,248.38	1,203.82	1,734.24	0.63	-0.61	5.24	
8,610.00	0.82	23.39	8,377.78	-1,246.83	1,204.80	1,733.79	0.67	-0.61	-14.66	
8,704.00	0.07	164.57	8,471.77	-1,246.27	1,205.08	1,733.58	0.93	-0.80	150.19	
8,799.00	0.57	222.88	8,566.77	-1,246.68	1,204.77	1,733.66	0.56	0.53	61.38	
8,893.00	0.97	239.38	8,660.76	-1,247.42	1,203.77	1,733.51	0.48	0.43	17.55	
8,987.00	1.30	203.67	8,754.74	-1,248.80	1,202.66	1,733.74	0.81	0.35	-37.99	
9,081.00	1.53	208.75	8,848.72	-1,250.88	1,201.63	1,734.53	0.28	0.24	5.40	
9,175.00	1.03	220.74	8,942.69	-1,252.62	1,200.47	1,734.99	0.60	-0.53	12.76	
9,270.00	1.12	218.19	9,037.68	-1,254.00	1,199.34	1,735.20	0.11	0.09	-2.68	
9,364.00	1.49	218.75	9,131.65	-1,255.67	1,198.01	1,735.49	0.39	0.39	0.60	
9,459.00	0.32	201.96	9,226.64	-1,256.88	1,197.13	1,735.77	1.25	-1.23	-17.67	
9,553.00	0.64	157.72	9,320.63	-1,257.61	1,197.23	1,736.36	0.50	0.34	-47.06	
9,647.00	0.97	102.58	9,414.63	-1,258.27	1,198.21	1,737.51	0.85	0.35	-58.66	
9,742.00	1.07	106.04	9,509.61	-1,258.69	1,199.85	1,738.95	0.12	0.11	3.64	
9,836.00	1.56	74.74	9,603.59	-1,258.60	1,201.93	1,740.31	0.91	0.52	-33.30	
9,931.00	0.74	81.30	9,698.57	-1,258.16	1,203.78	1,741.28	0.87	-0.86	6.91	
10,025.00	1.36	47.56	9,792.55	-1,257.32	1,205.20	1,741.65	0.90	0.66	-35.89	
10,119.00	1.25	52.14	9,886.53	-1,255.94	1,206.84	1,741.78	0.16	-0.12	4.87	
10,213.00	0.84	77.64	9,980.51	-1,255.16	1,208.32	1,742.24	0.65	-0.44	27.13	
10,308.00	0.60	94.55	10,075.50	-1,255.05	1,209.49	1,742.98	0.33	-0.25	17.80	
10,402.00	0.20	76.28	10,169.50	-1,255.05	1,210.14	1,743.43	0.44	-0.43	-19.44	
10,497.00	0.12	245.60	10,264.50	-1,255.05	1,210.21	1,743.48	0.34	-0.08	178.23	
10,591.00	0.19	168.93	10,358.50	-1,255.25	1,210.16	1,743.57	0.21	0.07	-81.56	
10,686.00	0.53	253.51	10,453.50	-1,255.53	1,209.76	1,743.51	0.57	0.36	89.03	
10,779.00	0.98	236.03	10,546.49	-1,256.09	1,208.69	1,743.18	0.54	0.48	-18.80	
10,873.00	1.14	233.03	10,640.48	-1,257.10	1,207.28	1,742.93	0.18	0.17	-3.19	
10,968.00	1.44	244.46	10,735.45	-1,258.19	1,205.45	1,742.45	0.41	0.32	12.03	
11,063.00	1.27	249.55	10,830.43	-1,259.07	1,203.38	1,741.66	0.22	-0.18	5.36	
11,157.00	1.41	261.69	10,924.40	-1,259.60	1,201.26	1,740.58	0.34	0.15	12.91	
11,251.00	2.03	251.96	11,018.36	-1,260.28	1,198.53	1,739.19	0.73	0.66	-10.35	
11,345.00	1.29	237.96	11,112.32	-1,261.36	1,196.05	1,738.26	0.89	-0.79	-14.89	
11,440.00	1.15	236.03	11,207.30	-1,262.46	1,194.36	1,737.88	0.15	-0.15	-2.03	
11,534.00	1.90	243.37	11,301.26	-1,263.69	1,192.18	1,737.27	0.82	0.80	7.81	
11,629.00	2.22	246.61	11,396.20	-1,265.12	1,189.09	1,736.17	0.36	0.34	3.41	
11,727.00	2.10	251.84	11,494.13	-1,266.44	1,185.64	1,734.73	0.24	-0.12	5.34	
11,821.00	2.00	248.13	11,588.07	-1,267.58	1,182.48	1,733.38	0.18	-0.11	-3.95	
11,916.00	2.55	243.58	11,683.00	-1,269.14	1,179.05	1,732.14	0.61	0.58	-4.79	
12,010.00	2.87	249.74	11,776.89	-1,270.89	1,174.97	1,730.58	0.46	0.34	6.55	
12,105.00	2.93	251.59	11,871.77	-1,272.48	1,170.43	1,728.60	0.12	0.06	1.95	
12,200.00	2.92	244.95	11,966.65	-1,274.27	1,165.94	1,726.79	0.36	-0.01	-6.99	
12,294.00	2.96	244.95	12,060.52	-1,276.31	1,161.57	1,725.25	0.04	0.04	0.00	
12,388.00	2.96	248.84	12,154.40	-1,278.21	1,157.11	1,723.55	0.21	0.00	4.14	
12,482.00	3.34	247.88	12,248.25	-1,280.12	1,152.31	1,721.61	0.41	0.40	-1.02	
12,576.00	3.81	250.98	12,342.07	-1,282.17	1,146.82	1,719.30	0.54	0.50	3.30	

<b>Company:</b>	WPX Energy Rocky Mountain, LLC	<b>Local Co-ordinate Reference:</b>	Well RGU 313-25-198 - Slot A05
<b>Project:</b>	Rio Blanco County, CO NAD83	<b>TVD Reference:</b>	GL & KB 24' @ 6646.01ft (H&P 318)
<b>Site:</b>	RGU 42-26-198 Pad	<b>MD Reference:</b>	GL & KB 24' @ 6646.01ft (H&P 318)
<b>Well:</b>	RGU 313-25-198	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	Grand Junction District

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,670.00	3.95	246.06	12,435.86	-1,284.50	1,140.91	1,716.91	0.38	0.15	-5.23
<b>Last SDI Production MWD Survey</b>									
12,799.00	3.95	246.06	12,564.55	-1,288.11	1,132.78	1,713.91	0.00	0.00	0.00
<b>Projection to TD</b>									

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
109.00	109.00	-0.13	-0.11	First SDI Gyro MWD Survey	
625.00	620.19	-45.28	40.21	Last SDI Gyro MWD Survey	
703.00	696.01	-58.28	53.13	First SDI Surface MWD Survey	
3,971.00	3,841.15	-708.71	655.59	Last SDI Surface MWD Survey	
4,062.00	3,928.34	-727.67	673.44	First SDI Production MWD Survey	
12,670.00	12,435.86	-1,284.50	1,140.91	Last SDI Production MWD Survey	
12,799.00	12,564.55	-1,288.11	1,132.78	Projection to TD	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_