





## Directional Survey Certification

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

<b>Operator</b>	WPX Energy Rocky Mountain, LLC.
<b>Well Name &amp; No.</b>	RGU 43-26-198
<b>County &amp; State</b>	Rio Blanco County, CO
<b>SDI Job No.</b>	420415DEFMP275784
<b>Rig</b>	H&P 318

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 12,510 feet is true and correct as determined from all available records.

A handwritten signature in black ink, appearing to read 'Mel Mireles Jr.', written over a horizontal line.

Signature

11-May-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 43-26-198 - Slot A06
<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 43-26-198	<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 Central Zone		Using geodetic scale factor

<b>Site</b>	RGU 42-26-198 Pad		
<b>Site Position:</b>		<b>Northing:</b>	1,778,121.88 usft
<b>From:</b>	Map	<b>Easting:</b>	2,199,615.70 usft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13.200 in
		<b>Latitude:</b>	39.9352371
		<b>Longitude:</b>	-108.3545077
		<b>Grid Convergence:</b>	-1.80 °

<b>Well</b>	RGU 43-26-198 - Slot A06		
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b> 1,778,085.28 usft
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b> 2,199,602.80 usft
<b>Position Uncertainty</b>	0.00 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	39.9351356
		<b>Longitude:</b>	-108.3545496
		<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	119.48	

<b>Survey Program</b>	<b>Date</b>	5/8/2015			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
161.00	3,879.00	Survey #1 - Surface MWD (Wellbore #1)	MWD SDI	MWD - Standard ver 1.0.1	
4,089.00	12,510.00	Survey #2 - 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	
161.00	0.88	145.62	160.99	-1.02	0.70	1.11	0.55	0.55	0.00	
<b>First SDI Surface MWD Survey</b>										
252.00	2.11	109.32	251.96	-2.15	2.67	3.39	1.64	1.35	-39.89	
343.00	4.31	108.00	342.81	-3.76	7.51	8.39	2.42	2.42	-1.45	
434.00	6.86	113.19	433.38	-6.96	15.76	17.14	2.85	2.80	5.70	
524.00	7.75	117.79	522.64	-11.91	26.07	28.55	1.18	0.99	5.11	
615.00	9.67	119.12	612.59	-18.49	38.17	42.33	2.12	2.11	1.46	
707.00	10.46	118.90	703.17	-26.28	52.23	58.40	0.86	0.86	-0.24	
798.00	11.52	116.79	792.50	-34.37	67.58	75.74	1.25	1.16	-2.32	

<b>Company:</b>	WPX Energy Rocky Mountain, LLC	<b>Local Co-ordinate Reference:</b>	Well RGU 43-26-198 - Slot A06
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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 43-26-198	<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)
889.00	11.61	120.57	881.66	-43.12	83.57	93.97	0.84	0.10	4.15
981.00	12.49	120.22	971.63	-52.84	100.14	113.18	0.96	0.96	-0.38
1,075.00	11.34	121.45	1,063.60	-62.78	116.81	132.58	1.25	-1.22	1.31
1,169.00	10.11	121.71	1,155.96	-71.94	131.71	150.06	1.31	-1.31	0.28
1,264.00	10.11	120.39	1,249.49	-80.54	146.00	166.73	0.24	0.00	-1.39
1,358.00	10.99	118.55	1,341.90	-88.99	160.98	183.94	1.00	0.94	-1.96
1,452.00	10.99	116.88	1,434.17	-97.33	176.85	201.85	0.34	0.00	-1.78
1,546.00	10.02	119.43	1,526.60	-105.40	191.96	218.98	1.14	-1.03	2.71
1,641.00	9.67	124.35	1,620.20	-113.96	205.75	235.19	0.96	-0.37	5.18
1,735.00	9.76	122.15	1,712.85	-122.65	219.01	251.02	0.41	0.10	-2.34
1,805.00	9.62	121.35	1,781.85	-128.85	229.03	262.79	0.28	-0.20	-1.14
1,899.00	9.45	120.77	1,874.55	-136.89	242.37	278.35	0.21	-0.18	-0.62
1,994.00	9.91	120.94	1,968.20	-145.08	256.08	294.32	0.49	0.48	0.18
2,088.00	10.29	122.21	2,060.74	-153.71	270.12	310.79	0.47	0.40	1.35
2,182.00	9.69	115.83	2,153.32	-161.64	284.35	327.08	1.34	-0.64	-6.79
2,277.00	9.72	114.37	2,246.96	-168.43	298.85	343.04	0.26	0.03	-1.54
2,371.00	9.71	118.96	2,339.61	-175.54	313.01	358.87	0.82	-0.01	4.88
2,465.00	10.24	118.13	2,432.19	-183.32	327.32	375.15	0.58	0.56	-0.88
2,559.00	10.63	119.04	2,524.64	-191.47	342.26	392.18	0.45	0.41	0.97
2,654.00	10.62	119.77	2,618.01	-200.07	357.52	409.69	0.14	-0.01	0.77
2,748.00	10.41	122.41	2,710.43	-208.92	372.21	426.83	0.56	-0.22	2.81
2,842.00	10.82	122.74	2,802.82	-218.24	386.80	444.13	0.44	0.44	0.35
2,936.00	10.30	119.50	2,895.23	-227.15	401.54	461.34	0.84	-0.55	-3.45
3,031.00	9.03	118.15	2,988.88	-234.85	415.51	477.28	1.36	-1.34	-1.42
3,125.00	8.61	118.58	3,081.77	-241.70	428.19	491.69	0.45	-0.45	0.46
3,219.00	8.71	116.50	3,174.70	-248.24	440.74	505.84	0.35	0.11	-2.21
3,313.00	8.45	119.32	3,267.65	-254.80	453.13	519.85	0.53	-0.28	3.00
3,408.00	8.74	119.52	3,361.58	-261.77	465.49	534.05	0.31	0.31	0.21
3,502.00	8.88	120.70	3,454.47	-269.00	477.95	548.45	0.24	0.15	1.26
3,596.00	8.97	119.14	3,547.33	-276.27	490.59	563.03	0.27	0.10	-1.66
3,691.00	8.86	119.88	3,641.19	-283.52	503.40	577.75	0.17	-0.12	0.78
3,785.00	8.99	122.14	3,734.05	-291.03	515.89	592.32	0.40	0.14	2.40
3,879.00	9.05	120.96	3,826.88	-298.74	528.45	607.05	0.21	0.06	-1.26
<b>Last SDI Surface MWD Survey</b>									
4,067.00	8.70	119.08	4,012.63	-313.26	553.56	636.05	0.24	-0.19	-1.00
<b>First SDI Production MWD Survey</b>									
4,161.00	8.53	118.09	4,105.57	-320.00	565.92	650.13	0.24	-0.18	-1.06
4,256.00	8.97	116.61	4,199.47	-326.64	578.76	664.57	0.52	0.46	-1.56
4,350.00	9.84	120.95	4,292.20	-334.05	592.20	679.92	1.19	0.93	4.62
4,444.00	9.37	123.73	4,384.89	-342.43	605.45	695.58	0.70	-0.50	2.96
4,539.00	8.27	121.16	4,478.76	-350.26	617.73	710.12	1.23	-1.16	-2.71
4,633.00	8.46	117.76	4,571.76	-356.98	629.64	723.79	0.56	0.20	-3.62
4,727.00	8.97	117.76	4,664.68	-363.61	642.24	738.03	0.54	0.54	0.00

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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 43-26-198	<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)	
4,822.00	10.55	113.54	4,758.30	-370.54	656.77	754.08	1.82	1.66	-4.44	
4,916.00	10.90	114.59	4,850.66	-377.67	672.74	771.50	0.43	0.37	1.12	
5,010.00	10.25	113.54	4,943.06	-384.71	688.49	788.67	0.72	-0.69	-1.12	
5,104.00	11.13	114.75	5,035.43	-391.85	704.39	806.03	0.97	0.94	1.29	
5,199.00	11.08	115.21	5,128.65	-399.57	720.98	824.27	0.11	-0.05	0.48	
5,293.00	10.92	112.09	5,220.92	-406.77	737.40	842.11	0.66	-0.17	-3.32	
5,387.00	9.94	111.69	5,313.37	-413.12	753.19	858.98	1.05	-1.04	-0.43	
5,481.00	9.58	110.02	5,406.01	-418.79	768.08	874.73	0.49	-0.38	-1.78	
5,576.00	9.06	106.24	5,499.76	-423.59	782.69	889.81	0.85	-0.55	-3.98	
5,692.00	8.89	104.48	5,614.34	-428.39	800.14	907.36	0.28	-0.15	-1.52	
5,786.00	9.24	99.04	5,707.16	-431.39	814.62	921.45	0.98	0.37	-5.79	
5,881.00	8.16	111.69	5,801.08	-435.08	828.42	935.27	2.31	-1.14	13.32	
5,975.00	7.20	123.83	5,894.24	-440.83	839.51	947.76	2.00	-1.02	12.91	
6,069.00	7.01	126.02	5,987.52	-447.48	849.05	959.33	0.35	-0.20	2.33	
6,163.00	6.39	125.43	6,080.88	-453.88	857.95	970.23	0.66	-0.66	-0.63	
6,258.00	5.75	122.37	6,175.34	-459.50	866.28	980.24	0.75	-0.67	-3.22	
6,352.00	5.01	126.85	6,268.93	-464.48	873.54	989.02	0.90	-0.79	4.77	
6,446.00	4.61	121.52	6,362.60	-468.92	880.04	996.86	0.64	-0.43	-5.67	
6,541.00	4.55	121.24	6,457.29	-472.87	886.52	1,004.44	0.07	-0.06	-0.29	
6,635.00	4.12	121.84	6,551.02	-476.58	892.57	1,011.55	0.46	-0.46	0.64	
6,729.00	3.97	120.51	6,644.79	-480.01	898.25	1,018.17	0.19	-0.16	-1.41	
6,824.00	2.37	146.28	6,739.65	-483.32	902.17	1,023.21	2.22	-1.68	27.13	
6,918.00	2.29	152.55	6,833.57	-486.60	904.12	1,026.52	0.28	-0.09	6.67	
7,012.00	2.35	142.41	6,927.49	-489.79	906.16	1,029.87	0.44	0.06	-10.79	
7,106.00	2.35	146.06	7,021.41	-492.92	908.41	1,033.37	0.16	0.00	3.88	
7,201.00	1.81	128.79	7,116.35	-495.48	910.67	1,036.59	0.86	-0.57	-18.18	
7,295.00	1.93	95.68	7,210.30	-496.56	913.40	1,039.51	1.14	0.13	-35.22	
7,389.00	1.61	100.57	7,304.26	-496.96	916.27	1,042.20	0.38	-0.34	5.20	
7,484.00	1.58	61.38	7,399.23	-496.58	918.73	1,044.16	1.13	-0.03	-41.25	
7,578.00	1.34	58.11	7,493.19	-495.38	920.80	1,045.37	0.27	-0.26	-3.48	
7,672.00	1.05	60.00	7,587.17	-494.37	922.48	1,046.33	0.31	-0.31	2.01	
7,767.00	2.42	1.77	7,682.13	-491.93	923.30	1,045.84	2.18	1.44	-61.29	
7,861.00	2.66	2.50	7,776.04	-487.76	923.45	1,043.93	0.26	0.26	0.78	
7,954.00	2.36	10.66	7,868.95	-483.73	923.90	1,042.33	0.50	-0.32	8.77	
8,050.00	1.84	1.93	7,964.89	-480.24	924.32	1,040.98	0.63	-0.54	-9.09	
8,144.00	1.39	356.98	8,058.85	-477.60	924.31	1,039.67	0.50	-0.48	-5.27	
8,238.00	1.35	3.28	8,152.82	-475.35	924.31	1,038.57	0.17	-0.04	6.70	
8,333.00	0.44	5.31	8,247.81	-473.87	924.41	1,037.93	0.96	-0.96	2.14	
8,427.00	0.71	248.00	8,341.81	-473.73	923.91	1,037.42	1.06	0.29	-124.80	
8,521.00	1.03	239.45	8,435.80	-474.38	922.64	1,036.63	0.37	0.34	-9.10	
8,615.00	1.93	221.50	8,529.77	-475.99	920.86	1,035.88	1.07	0.96	-19.10	
8,709.00	2.18	233.43	8,623.71	-478.24	918.38	1,034.83	0.53	0.27	12.69	
8,803.00	1.31	258.88	8,717.66	-479.52	915.89	1,033.28	1.22	-0.93	27.07	
8,898.00	1.35	249.56	8,812.64	-480.12	913.77	1,031.74	0.23	0.04	-9.81	

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8,992.00	1.60	255.26	8,906.61	-480.84	911.47	1,030.09	0.31	0.27	6.06
9,086.00	1.76	258.78	9,000.57	-481.45	908.78	1,028.05	0.20	0.17	3.74
9,180.00	1.81	259.98	9,094.52	-481.99	905.90	1,025.81	0.07	0.05	1.28
9,274.00	1.71	241.11	9,188.48	-482.93	903.21	1,023.93	0.62	-0.11	-20.07
9,364.00	0.84	219.24	9,278.45	-484.09	901.62	1,023.11	1.09	-0.97	-24.30
9,459.00	2.17	94.04	9,373.43	-484.75	902.97	1,024.62	2.89	1.40	-131.79
9,553.00	2.52	64.19	9,467.36	-483.98	906.61	1,027.40	1.33	0.37	-31.76
9,647.00	1.82	60.68	9,561.29	-482.35	909.77	1,029.35	0.76	-0.74	-3.73
9,741.00	2.46	46.75	9,655.22	-480.23	912.54	1,030.73	0.87	0.68	-14.82
9,835.00	1.62	48.57	9,749.16	-477.97	915.01	1,031.76	0.90	-0.89	1.94
9,930.00	1.67	20.98	9,844.13	-475.79	916.51	1,031.99	0.83	0.05	-29.04
10,024.00	1.50	8.76	9,938.09	-473.30	917.19	1,031.36	0.40	-0.18	-13.00
10,118.00	1.01	336.77	10,032.07	-471.32	917.05	1,030.26	0.89	-0.52	-34.03
10,213.00	1.13	316.45	10,127.05	-469.87	916.07	1,028.70	0.42	0.13	-21.39
10,307.00	0.56	279.60	10,221.04	-469.12	914.98	1,027.38	0.81	-0.61	-39.20
10,407.00	1.42	256.03	10,321.03	-469.34	913.30	1,026.02	0.93	0.86	-23.57
10,496.00	1.24	240.11	10,410.00	-470.09	911.39	1,024.73	0.46	-0.20	-17.89
10,590.00	0.71	247.70	10,503.99	-470.81	909.97	1,023.85	0.58	-0.56	8.07
10,684.00	0.98	250.63	10,597.98	-471.30	908.67	1,022.96	0.29	0.29	3.12
10,778.00	1.49	244.96	10,691.96	-472.09	906.81	1,021.72	0.56	0.54	-6.03
10,873.00	1.61	238.56	10,786.92	-473.31	904.55	1,020.36	0.22	0.13	-6.74
10,967.00	2.07	229.40	10,880.87	-475.10	902.14	1,019.14	0.58	0.49	-9.74
11,062.00	2.46	230.83	10,975.80	-477.50	899.25	1,017.81	0.41	0.41	1.51
11,156.00	2.11	227.54	11,069.72	-479.95	896.41	1,016.54	0.40	-0.37	-3.50
11,250.00	1.40	221.47	11,163.68	-481.97	894.37	1,015.77	0.78	-0.76	-6.46
11,345.00	1.23	108.68	11,258.67	-483.17	894.57	1,016.53	2.31	-0.18	-118.73
11,439.00	0.64	149.92	11,352.65	-483.95	895.79	1,017.97	0.91	-0.63	43.87
11,533.00	0.48	175.71	11,446.65	-484.79	896.08	1,018.64	0.31	-0.17	27.44
11,627.00	0.60	182.46	11,540.65	-485.68	896.09	1,019.08	0.14	0.13	7.18
11,721.00	1.28	213.73	11,634.63	-487.04	895.49	1,019.23	0.88	0.72	33.27
11,816.00	1.59	215.31	11,729.60	-489.00	894.14	1,019.02	0.33	0.33	1.66
11,911.00	1.78	215.97	11,824.56	-491.27	892.51	1,018.72	0.20	0.20	0.69
12,005.00	1.95	212.28	11,918.51	-493.81	890.80	1,018.47	0.22	0.18	-3.93
12,099.00	2.05	211.09	12,012.45	-496.60	889.07	1,018.35	0.12	0.11	-1.27
12,288.00	1.95	215.60	12,201.34	-502.11	885.46	1,017.91	0.10	-0.05	2.39
12,382.00	2.38	219.93	12,295.27	-504.90	883.27	1,017.39	0.49	0.46	4.61
Last SDI Production MWD Survey									
12,510.00	2.38	219.93	12,423.16	-508.98	879.86	1,016.42	0.00	0.00	0.00
Projection to TD									

<b>Company:</b>	WPX Energy Rocky Mountain, LLC	<b>Local Co-ordinate Reference:</b>	Well RGU 43-26-198 - Slot A06
<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 43-26-198	<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

Design Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
161.00	160.99	-1.02	0.70	First SDI Surface MWD Survey
3,879.00	3,826.88	-298.74	528.45	Last SDI Surface MWD Survey
4,067.00	4,012.63	-313.26	553.56	First SDI Production MWD Survey
12,382.00	12,295.27	-504.90	883.27	Last SDI Production MWD Survey
12,510.00	12,423.16	-508.98	879.86	Projection to TD

Checked By: _____	Approved By: _____	Date: _____
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