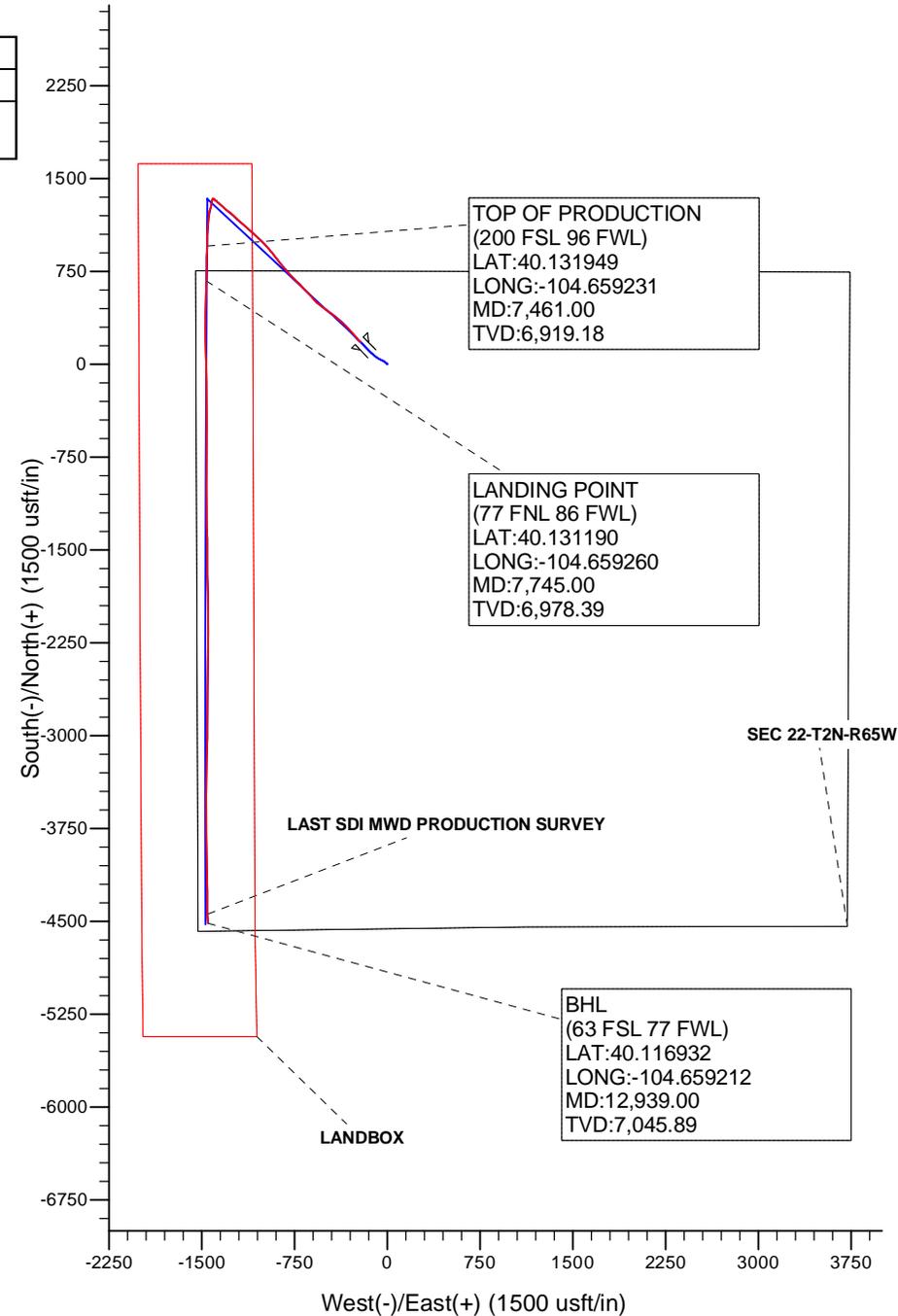
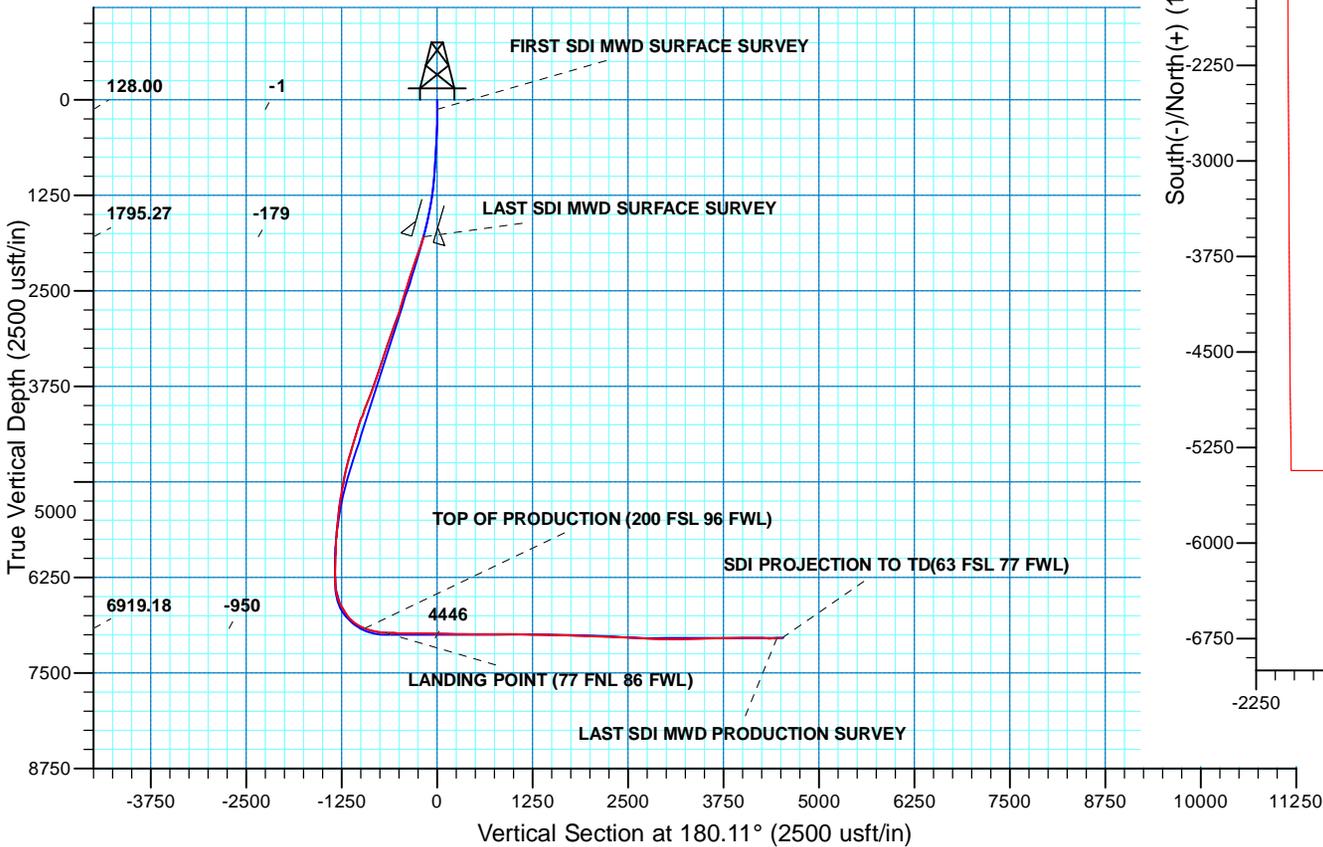


WELL DETAILS: POWERS 34G-22HZ					
GL 4883 & KB 20 @ 4903.00usft (PRECISION 461)					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14574017.57	1737126.03	40.129333	-104.654019



<b>Company:</b>	US ROCKIES WATTENBERG PLANNING	<b>Local Co-ordinate Reference:</b>	Well POWERS 34G-22HZ
<b>Project:</b>	WELD-NAD83-UTMFT13N	<b>TVD Reference:</b>	GL 4883 & KB 20 @ 4903.00usft (PRECISION 461)
<b>Site:</b>	2N-65W-22 Powers 3-22 Pad	<b>MD Reference:</b>	GL 4883 & KB 20 @ 4903.00usft (PRECISION 461)
<b>Well:</b>	POWERS 34G-22HZ	<b>North Reference:</b>	True
<b>Wellbore:</b>	Plan A	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Denver Sales

<b>Project</b>	WELD-NAD83-UTMFT13N		
<b>Map System:</b>	Universal Transverse Mercator (US Survey Feet)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Zone 13N (108 W to 102 W)		

<b>Site</b>	2N-65W-22 Powers 3-22 Pad				
<b>Site Position:</b>		<b>Northing:</b>	14,574,017.80 usft	<b>Latitude:</b>	40.129333
<b>From:</b>	Lat/Long	<b>Easting:</b>	1,737,186.12 usft	<b>Longitude:</b>	-104.653804
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.200 in	<b>Grid Convergence:</b>	0.22 °

<b>Well</b>	POWERS 34G-22HZ					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	14,574,017.56 usft	<b>Latitude:</b>	40.129333
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	1,737,126.03 usft	<b>Longitude:</b>	-104.654019
<b>Position Uncertainty</b>		3.28 usft	<b>Wellhead Elevation:</b>	0.00 usft	<b>Ground Level:</b>	4,883.00 usft

<b>Wellbore</b>	Plan A				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM	8/17/2015	8.40	66.67	52,502

<b>Design</b>	OH				
<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) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	180.11	

<b>Survey Program</b>	<b>Date</b>	10/26/2015			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
13.00	1,828.00	SDI MWD SURFACE (Plan A)	APC_ISCWSA REV 2 MWD	Fixed:v2:standard declination	
1,957.00	12,939.00	SDI MWD PRODUCTION (Plan A)	APC_ISCWSA REV 2 MWD+	Fixed:v2:crustal field declination	

<b>Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13.00	0.00	0.00	13.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128.00	0.81	355.67	128.00	0.81	-0.06	-0.81	0.70	0.70	0.00	
<b>FIRST SDI MWD SURFACE SURVEY</b>										
218.00	0.79	316.85	217.99	1.90	-0.53	-1.90	0.59	-0.02	-43.13	
309.00	1.50	312.27	308.97	3.16	-1.84	-3.15	0.79	0.78	-5.03	
386.00	2.65	308.83	385.92	4.95	-3.98	-4.94	1.50	1.49	-4.47	
476.00	3.44	306.61	475.79	7.87	-7.76	-7.85	0.89	0.88	-2.47	

<b>Company:</b>	US ROCKIES WATTENBERG PLANNING	<b>Local Co-ordinate Reference:</b>	Well POWERS 34G-22HZ
<b>Project:</b>	WELD-NAD83-UTMFT13N	<b>TVD Reference:</b>	GL 4883 & KB 20 @ 4903.00usft (PRECISION 461)
<b>Site:</b>	2N-65W-22 Powers 3-22 Pad	<b>MD Reference:</b>	GL 4883 & KB 20 @ 4903.00usft (PRECISION 461)
<b>Well:</b>	POWERS 34G-22HZ	<b>North Reference:</b>	True
<b>Wellbore:</b>	Plan A	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Denver Sales

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)	
611.00	5.21	311.13	610.40	14.31	-15.63	-14.28	1.33	1.31	3.35	
701.00	5.68	301.74	700.00	19.34	-22.50	-19.30	1.12	0.52	-10.43	
837.00	8.03	296.60	835.02	27.14	-36.72	-27.07	1.78	1.73	-3.78	
927.00	8.67	295.21	924.06	32.84	-48.48	-32.75	0.75	0.71	-1.54	
1,017.00	10.36	295.94	1,012.82	39.27	-61.89	-39.15	1.88	1.88	0.81	
1,152.00	12.30	302.54	1,145.19	52.32	-84.93	-52.16	1.73	1.44	4.89	
1,242.00	12.13	309.42	1,233.16	63.48	-100.32	-63.29	1.63	-0.19	7.64	
1,377.00	14.33	313.90	1,364.57	84.07	-123.32	-83.84	1.80	1.63	3.32	
1,467.00	15.31	315.73	1,451.57	100.31	-139.64	-100.04	1.21	1.09	2.03	
1,557.00	16.71	317.05	1,538.08	118.29	-156.75	-117.98	1.61	1.56	1.47	
1,647.00	17.79	316.10	1,624.03	137.66	-175.10	-137.33	1.24	1.20	-1.06	
1,737.00	18.89	314.23	1,709.46	157.73	-195.07	-157.36	1.39	1.22	-2.08	
1,828.00	19.98	315.30	1,795.27	179.06	-216.56	-178.64	1.26	1.20	1.18	
<b>LAST SDI MWD SURFACE SURVEY</b>										
1,865.00	21.02	316.18	1,829.93	188.34	-225.61	-187.91	2.94	2.82	2.37	
<b>9 5/8"</b>										
1,957.00	23.63	318.04	1,915.03	213.96	-249.37	-213.48	2.94	2.83	2.02	
<b>FIRST SDI MWD PRODUCTION SURVEY</b>										
2,052.00	27.22	318.22	2,000.81	244.33	-276.58	-243.80	3.78	3.78	0.19	
2,148.00	27.25	316.31	2,086.17	276.60	-306.39	-276.01	0.91	0.03	-1.99	
2,242.00	25.83	314.50	2,170.26	306.51	-335.86	-305.87	1.74	-1.51	-1.93	
2,337.00	26.72	313.25	2,255.45	335.65	-366.18	-334.95	1.10	0.94	-1.32	
2,431.00	26.04	310.18	2,339.66	363.45	-397.34	-362.68	1.62	-0.72	-3.27	
2,526.00	25.25	309.26	2,425.30	389.73	-428.96	-388.90	0.93	-0.83	-0.97	
2,621.00	26.50	307.83	2,510.78	415.55	-461.39	-414.66	1.47	1.32	-1.51	
2,717.00	25.71	304.80	2,596.99	440.57	-495.41	-439.62	1.61	-0.82	-3.16	
2,811.00	24.77	307.12	2,682.02	464.09	-527.85	-463.08	1.45	-1.00	2.47	
2,906.00	25.69	310.70	2,767.96	489.53	-559.34	-488.46	1.88	0.97	3.77	
3,002.00	28.26	317.24	2,853.53	519.80	-590.55	-518.66	4.09	2.68	6.81	
3,097.00	28.11	317.85	2,937.26	552.90	-620.84	-551.71	0.34	-0.16	0.64	
3,192.00	27.01	316.34	3,021.48	585.10	-650.76	-583.85	1.37	-1.16	-1.59	
3,287.00	26.20	315.55	3,106.42	615.68	-680.33	-614.37	0.93	-0.85	-0.83	
3,382.00	25.13	314.92	3,192.05	644.90	-709.31	-643.53	1.16	-1.13	-0.66	
3,478.00	24.84	312.81	3,279.07	672.99	-738.53	-671.57	0.98	-0.30	-2.20	
3,573.00	25.07	315.62	3,365.20	700.94	-767.25	-699.46	1.27	0.24	2.96	
3,668.00	24.39	317.19	3,451.49	729.71	-794.66	-728.19	1.00	-0.72	1.65	
3,763.00	23.85	319.05	3,538.19	758.61	-820.57	-757.03	0.98	-0.57	1.96	
3,858.00	24.40	321.42	3,624.90	788.46	-845.40	-786.83	1.17	0.58	2.49	
3,953.00	24.55	322.44	3,711.36	819.44	-869.67	-817.77	0.47	0.16	1.07	
4,049.00	24.98	322.24	3,798.53	851.28	-894.24	-849.56	0.46	0.45	-0.21	
4,144.00	26.15	323.16	3,884.23	883.89	-919.07	-882.13	1.30	1.23	0.97	
4,239.00	26.43	320.60	3,969.41	916.98	-945.05	-915.17	1.23	0.29	-2.69	

<b>Company:</b>	US ROCKIES WATTENBERG PLANNING	<b>Local Co-ordinate Reference:</b>	Well POWERS 34G-22HZ
<b>Project:</b>	WELD-NAD83-UTMFT13N	<b>TVD Reference:</b>	GL 4883 & KB 20 @ 4903.00usft (PRECISION 461)
<b>Site:</b>	2N-65W-22 Powers 3-22 Pad	<b>MD Reference:</b>	GL 4883 & KB 20 @ 4903.00usft (PRECISION 461)
<b>Well:</b>	POWERS 34G-22HZ	<b>North Reference:</b>	True
<b>Wellbore:</b>	Plan A	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Denver Sales

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)	
4,334.00	27.68	318.36	4,054.01	949.81	-973.13	-947.94	1.70	1.32	-2.36	
4,429.00	28.63	313.18	4,137.78	981.88	-1,004.39	-979.95	2.76	1.00	-5.45	
4,524.00	26.78	312.32	4,221.89	1,011.87	-1,036.82	-1,009.88	1.99	-1.95	-0.91	
4,619.00	24.80	312.03	4,307.42	1,039.62	-1,067.44	-1,037.57	2.09	-2.08	-0.31	
4,714.00	25.24	312.72	4,393.51	1,066.70	-1,097.12	-1,064.59	0.56	0.46	0.73	
4,809.00	25.74	311.31	4,479.26	1,094.06	-1,127.50	-1,091.89	0.83	0.53	-1.48	
4,904.00	24.61	311.28	4,565.24	1,120.73	-1,157.86	-1,118.51	1.19	-1.19	-0.03	
4,999.00	23.62	311.81	4,651.94	1,146.47	-1,186.91	-1,144.19	1.07	-1.04	0.56	
5,094.00	22.37	312.65	4,739.39	1,171.41	-1,214.40	-1,169.07	1.36	-1.32	0.88	
5,190.00	19.63	313.54	4,829.01	1,194.90	-1,239.53	-1,192.51	2.87	-2.85	0.93	
5,284.00	18.08	308.36	4,917.97	1,214.83	-1,262.41	-1,212.40	2.43	-1.65	-5.51	
5,379.00	15.76	310.04	5,008.85	1,232.28	-1,283.85	-1,229.81	2.50	-2.44	1.77	
5,475.00	15.60	310.29	5,101.28	1,249.01	-1,303.68	-1,246.51	0.18	-0.17	0.26	
5,569.00	14.22	310.97	5,192.11	1,264.76	-1,322.04	-1,262.22	1.48	-1.47	0.72	
5,663.00	11.18	311.68	5,283.80	1,278.39	-1,337.57	-1,275.82	3.24	-3.23	0.76	
5,759.00	9.27	313.52	5,378.27	1,289.90	-1,350.12	-1,287.31	2.02	-1.99	1.92	
5,854.00	10.70	310.96	5,471.83	1,300.95	-1,362.33	-1,298.34	1.58	1.51	-2.69	
5,949.00	9.25	307.01	5,565.39	1,311.33	-1,375.09	-1,308.69	1.69	-1.53	-4.16	
6,044.00	7.06	305.25	5,659.43	1,319.30	-1,385.96	-1,316.64	2.32	-2.31	-1.85	
6,138.00	5.28	304.50	5,752.88	1,325.08	-1,394.24	-1,322.40	1.90	-1.89	-0.80	
6,232.00	3.81	305.94	5,846.58	1,329.37	-1,400.33	-1,326.67	1.57	-1.56	1.53	
6,325.00	2.77	307.90	5,939.43	1,332.56	-1,404.61	-1,329.86	1.12	-1.12	2.11	
6,421.00	1.75	311.67	6,035.35	1,334.96	-1,407.53	-1,332.25	1.07	-1.06	3.93	
6,515.00	1.26	318.00	6,129.32	1,336.68	-1,409.30	-1,333.97	0.55	-0.52	6.73	
6,609.00	0.84	316.93	6,223.30	1,337.95	-1,410.46	-1,335.24	0.45	-0.45	-1.14	
6,704.00	1.95	225.04	6,318.28	1,337.32	-1,412.08	-1,334.61	2.26	1.17	-96.73	
6,799.00	11.21	199.12	6,412.56	1,327.43	-1,416.26	-1,324.71	9.99	9.75	-27.28	
6,893.00	16.81	191.13	6,503.74	1,305.44	-1,421.88	-1,302.71	6.29	5.96	-8.50	
6,988.00	23.03	192.79	6,593.01	1,273.81	-1,428.65	-1,271.06	6.57	6.55	1.75	
7,082.00	30.24	191.78	6,676.98	1,232.65	-1,437.57	-1,229.89	7.69	7.67	-1.07	
7,177.00	37.27	187.46	6,755.93	1,180.64	-1,446.20	-1,177.86	7.82	7.40	-4.55	
7,271.00	50.68	182.97	6,823.44	1,115.80	-1,451.80	-1,113.01	14.64	14.27	-4.78	
7,366.00	59.73	179.93	6,877.60	1,037.90	-1,453.66	-1,035.11	9.88	9.53	-3.20	
7,461.00	68.33	184.23	6,919.18	952.66	-1,456.87	-949.86	9.92	9.05	4.53	
<b>TOP OF PRODUCTION (200 FSL 96 FWL)</b>										
7,555.00	76.50	181.54	6,947.56	863.25	-1,461.33	-860.44	9.11	8.69	-2.86	
7,650.00	79.61	180.42	6,967.22	770.33	-1,462.92	-767.52	3.47	3.27	-1.18	
7,745.00	86.87	181.85	6,978.39	676.08	-1,464.79	-673.27	7.79	7.64	1.51	
<b>LANDING POINT (77 FNL 86 FWL)</b>										
7,840.00	88.19	181.18	6,982.49	581.20	-1,467.30	-578.38	1.56	1.39	-0.71	
7,933.00	89.29	180.87	6,984.53	488.24	-1,468.96	-485.42	1.23	1.18	-0.33	
8,028.00	90.10	180.98	6,985.04	393.26	-1,470.50	-390.43	0.86	0.85	0.12	

<b>Company:</b>	US ROCKIES WATTENBERG PLANNING	<b>Local Co-ordinate Reference:</b>	Well POWERS 34G-22HZ
<b>Project:</b>	WELD-NAD83-UTMFT13N	<b>TVD Reference:</b>	GL 4883 & KB 20 @ 4903.00usft (PRECISION 461)
<b>Site:</b>	2N-65W-22 Powers 3-22 Pad	<b>MD Reference:</b>	GL 4883 & KB 20 @ 4903.00usft (PRECISION 461)
<b>Well:</b>	POWERS 34G-22HZ	<b>North Reference:</b>	True
<b>Wellbore:</b>	Plan A	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Denver Sales

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)	
8,122.00	90.27	179.70	6,984.73	299.26	-1,471.06	-296.44	1.37	0.18	-1.36	
8,217.00	89.36	179.20	6,985.04	204.27	-1,470.14	-201.44	1.09	-0.96	-0.53	
8,312.00	89.70	177.95	6,985.82	109.30	-1,467.78	-106.48	1.36	0.36	-1.32	
8,407.00	89.03	179.12	6,986.87	14.34	-1,465.35	-11.53	1.42	-0.71	1.23	
8,502.00	87.45	178.59	6,989.79	-80.59	-1,463.46	83.40	1.75	-1.66	-0.56	
8,596.00	87.99	179.38	6,993.53	-174.50	-1,461.79	177.31	1.02	0.57	0.84	
8,691.00	89.23	179.86	6,995.83	-269.47	-1,461.16	272.27	1.40	1.31	0.51	
8,786.00	90.07	179.66	6,996.41	-364.47	-1,460.76	367.27	0.91	0.88	-0.21	
8,881.00	90.23	180.45	6,996.17	-459.47	-1,460.86	462.27	0.85	0.17	0.83	
8,976.00	90.40	180.02	6,995.64	-554.46	-1,461.24	557.27	0.49	0.18	-0.45	
9,071.00	90.91	179.83	6,994.56	-649.46	-1,461.12	652.26	0.57	0.54	-0.20	
9,166.00	90.71	179.97	6,993.21	-744.45	-1,460.95	747.25	0.26	-0.21	0.15	
9,261.00	89.19	180.37	6,993.30	-839.44	-1,461.24	842.25	1.65	-1.60	0.42	
9,356.00	90.03	180.35	6,993.94	-934.44	-1,461.83	937.24	0.88	0.88	-0.02	
9,451.00	88.62	179.80	6,995.06	-1,029.43	-1,461.96	1,032.23	1.59	-1.48	-0.58	
9,546.00	88.15	179.61	6,997.74	-1,124.39	-1,461.47	1,127.19	0.53	-0.49	-0.20	
9,640.00	88.42	179.41	7,000.55	-1,218.34	-1,460.67	1,221.15	0.36	0.29	-0.21	
9,735.00	88.52	179.90	7,003.09	-1,313.31	-1,460.09	1,316.11	0.53	0.11	0.52	
9,830.00	89.56	179.25	7,004.68	-1,408.29	-1,459.39	1,411.09	1.29	1.09	-0.68	
9,924.00	88.25	178.72	7,006.48	-1,502.26	-1,457.72	1,505.05	1.50	-1.39	-0.56	
10,019.00	88.55	178.26	7,009.13	-1,597.19	-1,455.22	1,599.98	0.58	0.32	-0.48	
10,115.00	88.89	179.47	7,011.28	-1,693.14	-1,453.32	1,695.93	1.31	0.35	1.26	
10,209.00	88.32	179.76	7,013.56	-1,787.11	-1,452.69	1,789.90	0.68	-0.61	0.31	
10,304.00	87.62	179.13	7,016.93	-1,882.05	-1,451.77	1,884.83	0.99	-0.74	-0.66	
10,400.00	87.82	178.93	7,020.75	-1,977.96	-1,450.15	1,980.74	0.29	0.21	-0.21	
10,495.00	88.39	178.42	7,023.89	-2,072.88	-1,447.95	2,075.65	0.80	0.60	-0.54	
10,590.00	87.11	180.91	7,027.62	-2,167.79	-1,447.39	2,170.57	2.95	-1.35	2.62	
10,685.00	87.65	181.17	7,031.96	-2,262.68	-1,449.12	2,265.46	0.63	0.57	0.27	
10,779.00	88.49	180.86	7,035.13	-2,356.61	-1,450.78	2,359.39	0.95	0.89	-0.33	
10,874.00	87.78	181.45	7,038.22	-2,451.54	-1,452.69	2,454.32	0.97	-0.75	0.62	
10,968.00	88.46	180.52	7,041.30	-2,545.47	-1,454.31	2,548.26	1.23	0.72	-0.99	
11,063.00	87.01	180.95	7,045.06	-2,640.39	-1,455.53	2,643.18	1.59	-1.53	0.45	
11,158.00	87.38	180.22	7,049.71	-2,735.27	-1,456.50	2,738.06	0.86	0.39	-0.77	
11,253.00	88.02	180.23	7,053.52	-2,830.19	-1,456.87	2,832.98	0.67	0.67	0.01	
11,347.00	88.29	179.84	7,056.55	-2,924.14	-1,456.93	2,926.93	0.50	0.29	-0.41	
11,442.00	89.53	181.78	7,058.35	-3,019.11	-1,458.27	3,021.90	2.42	1.31	2.04	
11,537.00	90.24	180.94	7,058.54	-3,114.08	-1,460.52	3,116.88	1.16	0.75	-0.88	
11,632.00	90.91	181.49	7,057.59	-3,209.05	-1,462.54	3,211.85	0.91	0.71	0.58	
11,727.00	92.39	181.15	7,054.86	-3,303.98	-1,464.73	3,306.79	1.60	1.56	-0.36	
11,822.00	91.51	180.80	7,051.62	-3,398.92	-1,466.34	3,401.72	1.00	-0.93	-0.37	
11,917.00	89.90	179.79	7,050.45	-3,493.90	-1,466.83	3,496.71	2.00	-1.69	-1.06	
12,011.00	90.81	179.90	7,049.87	-3,587.90	-1,466.58	3,590.71	0.98	0.97	0.12	

<b>Company:</b>	US ROCKIES WATTENBERG PLANNING	<b>Local Co-ordinate Reference:</b>	Well POWERS 34G-22HZ
<b>Project:</b>	WELD-NAD83-UTMFT13N	<b>TVD Reference:</b>	GL 4883 & KB 20 @ 4903.00usft (PRECISION 461)
<b>Site:</b>	2N-65W-22 Powers 3-22 Pad	<b>MD Reference:</b>	GL 4883 & KB 20 @ 4903.00usft (PRECISION 461)
<b>Well:</b>	POWERS 34G-22HZ	<b>North Reference:</b>	True
<b>Wellbore:</b>	Plan A	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Denver Sales

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)	
12,106.00	91.81	179.40	7,047.70	-3,682.87	-1,466.00	3,685.68	1.18	1.05	-0.53	
12,201.00	90.03	179.34	7,046.17	-3,777.85	-1,464.95	3,780.65	1.87	-1.87	-0.06	
12,296.00	89.33	179.35	7,046.71	-3,872.84	-1,463.87	3,875.64	0.74	-0.74	0.01	
12,392.00	90.20	178.83	7,047.10	-3,968.83	-1,462.34	3,971.63	1.06	0.91	-0.54	
12,487.00	90.81	179.12	7,046.26	-4,063.81	-1,460.64	4,066.60	0.71	0.64	0.31	
12,582.00	89.36	178.90	7,046.12	-4,158.79	-1,459.00	4,161.58	1.54	-1.53	-0.23	
12,677.00	89.23	179.00	7,047.29	-4,253.77	-1,457.26	4,256.56	0.17	-0.14	0.11	
12,771.00	90.07	178.70	7,047.86	-4,347.75	-1,455.37	4,350.53	0.95	0.89	-0.32	
12,866.00	90.91	178.80	7,047.05	-4,442.72	-1,453.30	4,445.50	0.89	0.88	0.11	
<b>LAST SDI MWD PRODUCTION SURVEY</b>										
12,939.00	90.91	178.80	7,045.89	-4,515.69	-1,451.77	4,518.47	0.00	0.00	0.00	
<b>SDI PROJECTION TO TD(63 FSL 77 FWL)</b>										

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,865.00	1,829.93	9 5/8"	9.625	13.500	

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
128.00	128.00	0.81	-0.06	FIRST SDI MWD SURFACE SURVEY	
1,828.00	1,795.27	179.06	-216.56	LAST SDI MWD SURFACE SURVEY	
1,957.00	1,915.03	213.96	-249.37	FIRST SDI MWD PRODUCTION SURVEY	
7,461.00	6,919.18	952.66	-1,456.87	TOP OF PRODUCTION (200 FSL 96 FWL)	
7,745.00	6,978.39	676.08	-1,464.79	LANDING POINT (77 FNL 86 FWL)	
12,866.00	7,047.05	-4,442.72	-1,453.30	LAST SDI MWD PRODUCTION SURVEY	
12,939.00	7,045.89	-4,515.69	-1,451.77	SDI PROJECTION TO TD(63 FSL 77 FWL)	

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