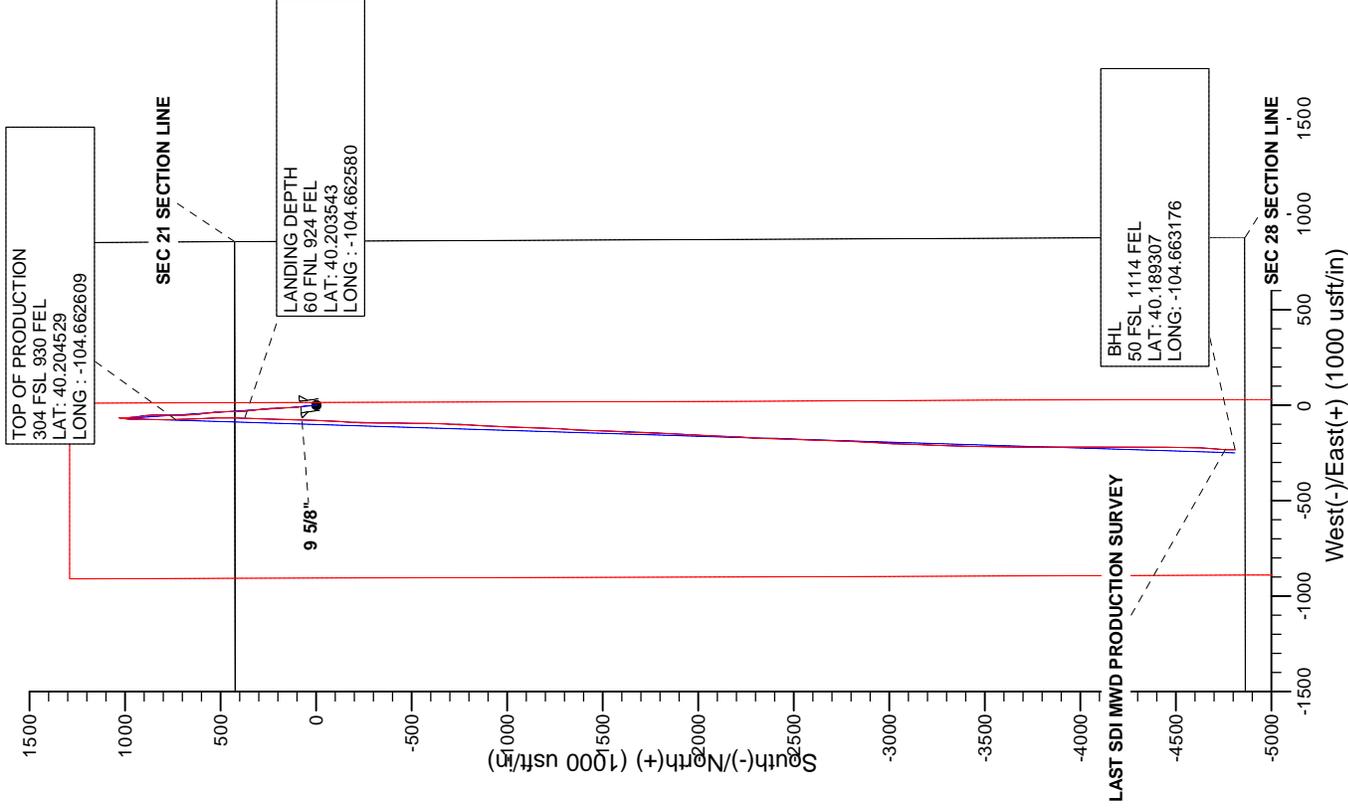
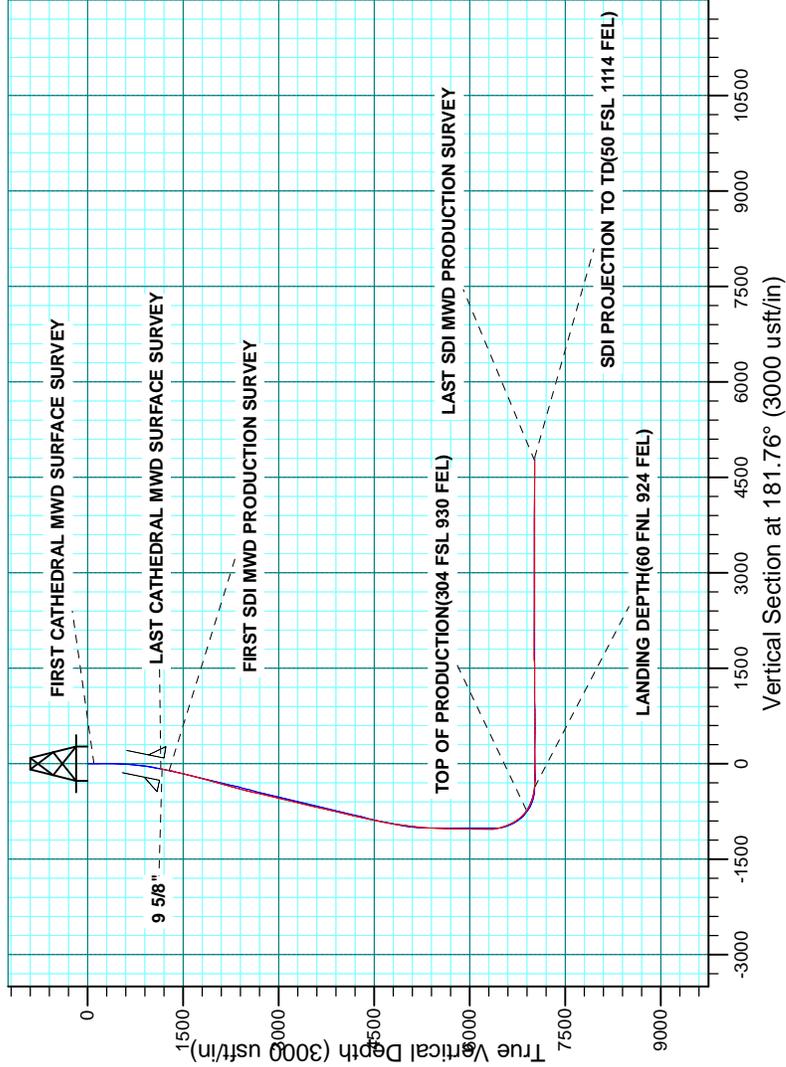


WELL DETAILS: Cheese 37N-28HZ			
GL 4817 & KB 25 @ 4841.99ustf (HP 307)			
+N/-S	+E/-W	Northing	Eastng
0.00	0.00	14600657.26	1734699.10
		Latitude	Longitude
		40.202513	-104.662339

PROJECT DETAILS: WELD-NAD83-UTMFT13N	
Geodetic System:	Universal Transverse Mercator (US Survey Feet)
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	Zone 13N (108 W to 102 W)
Location:	SECTION 28 T3N R65W
System Datum:	Mean Sea Level

CASING DETAILS	
TVD	Name
1170.35	1176.00 9 5/8" 9.625



<b>Company:</b>	US ROCKIES WATTENBERG PLANNING	<b>Local Co-ordinate Reference:</b>	Well Cheese 37N-28HZ
<b>Project:</b>	WELD-NAD83-UTMFT13N	<b>TVD Reference:</b>	GL 4817 & KB 25 @ 4841.99usft (HP 307)
<b>Site:</b>	3N-65W-28 Cheese 1-28HZ Pad	<b>MD Reference:</b>	GL 4817 & KB 25 @ 4841.99usft (HP 307)
<b>Well:</b>	Cheese 37N-28HZ	<b>North Reference:</b>	True
<b>Wellbore:</b>	Plan A	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan A	<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>	3N-65W-28 Cheese 1-28HZ Pad, SECTION 28 T3N R65W				
<b>Site Position:</b>	<b>Northing:</b>	14,600,657.57 usft	<b>Latitude:</b>	40.202514	
<b>From:</b>	Lat/Long	<b>Easting:</b>	1,734,684.02 usft	<b>Longitude:</b>	-104.662393
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13.200 in	<b>Grid Convergence:</b>	0.22 °

<b>Well</b>	Cheese 37N-28HZ, 428' FNL 860' FEL					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	14,600,657.26 usft	<b>Latitude:</b>	40.202513
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	1,734,699.10 usft	<b>Longitude:</b>	-104.662339
<b>Position Uncertainty</b>	0.00 usft	<b>Wellhead Elevation:</b>	0.00 usft	<b>Ground Level:</b>	4,817.99 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>
	IGRF2010	10/9/2014	8.35	66.79	52,689

<b>Design</b>	Plan A				
<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	181.76	

<b>Survey Program</b>	<b>Date</b>	5/20/2015			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
20.00	1,161.00	Survey #1 CATHEDRAL MWD SURFACE	APC_ISCWSA REV 2 MWD	Fixed:v2:standard declination	
1,296.00	12,679.00	Survey #2 SDI MWD PRODUCTION (Plan	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
20.00	0.00	0.00	20.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103.00	0.10	143.30	103.00	-0.06	0.04	0.06	0.12	0.12	0.00	
<b>FIRST CATHEDRAL MWD SURFACE SURVEY</b>										
165.00	0.40	147.70	165.00	-0.28	0.19	0.28	0.48	0.48	7.10	
225.00	0.50	115.10	225.00	-0.57	0.54	0.56	0.45	0.17	-54.33	
282.00	0.40	84.80	282.00	-0.66	0.96	0.63	0.45	-0.18	-53.16	
343.00	0.40	44.60	342.99	-0.49	1.33	0.45	0.45	0.00	-65.90	
407.00	1.20	347.50	406.99	0.32	1.34	-0.37	1.62	1.25	-89.22	
470.00	2.10	345.00	469.96	2.08	0.90	-2.11	1.43	1.43	-3.97	

<b>Company:</b>	US ROCKIES WATTENBERG PLANNING	<b>Local Co-ordinate Reference:</b>	Well Cheese 37N-28HZ
<b>Project:</b>	WELD-NAD83-UTMFT13N	<b>TVD Reference:</b>	GL 4817 & KB 25 @ 4841.99usft (HP 307)
<b>Site:</b>	3N-65W-28 Cheese 1-28HZ Pad	<b>MD Reference:</b>	GL 4817 & KB 25 @ 4841.99usft (HP 307)
<b>Well:</b>	Cheese 37N-28HZ	<b>North Reference:</b>	True
<b>Wellbore:</b>	Plan A	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan A	<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)	
534.00	2.80	348.40	533.90	4.75	0.28	-4.75	1.12	1.09	5.31	
598.00	4.00	350.60	597.79	8.48	-0.40	-8.46	1.89	1.88	3.44	
663.00	4.50	354.20	662.61	13.25	-1.03	-13.22	0.87	0.77	5.54	
727.00	4.90	355.00	726.39	18.48	-1.52	-18.42	0.63	0.63	1.25	
791.00	6.10	355.30	790.10	24.59	-2.04	-24.51	1.88	1.88	0.47	
855.00	6.60	355.30	853.70	31.64	-2.62	-31.55	0.78	0.78	0.00	
919.00	7.60	355.30	917.21	39.53	-3.27	-39.41	1.56	1.56	0.00	
983.00	8.90	356.20	980.55	48.68	-3.94	-48.54	2.04	2.03	1.41	
1,047.00	10.00	355.20	1,043.68	59.16	-4.73	-58.99	1.74	1.72	-1.56	
1,110.00	10.90	353.90	1,105.63	70.54	-5.82	-70.32	1.48	1.43	-2.06	
1,161.00	11.60	353.00	1,155.65	80.42	-6.96	-80.17	1.42	1.37	-1.76	
<b>LAST CATHEDRAL MWD SURFACE SURVEY</b>										
1,176.00	11.65	353.06	1,170.35	83.42	-7.33	-83.16	0.34	0.33	0.41	
<b>9 5/8"</b>										
1,296.00	12.05	353.54	1,287.79	107.89	-10.20	-107.53	0.34	0.33	0.40	
<b>FIRST SDI MWD PRODUCTION SURVEY</b>										
1,391.00	13.72	359.32	1,380.40	129.01	-11.45	-128.60	2.22	1.76	6.08	
1,485.00	12.95	357.41	1,471.86	150.68	-12.06	-150.24	0.94	-0.82	-2.03	
1,580.00	14.04	358.55	1,564.24	172.84	-12.83	-172.36	1.18	1.15	1.20	
1,674.00	13.83	356.79	1,655.47	195.45	-13.75	-194.94	0.50	-0.22	-1.87	
1,768.00	13.72	355.25	1,746.77	217.78	-15.30	-217.21	0.41	-0.12	-1.64	
1,863.00	16.35	356.16	1,838.51	242.35	-17.13	-241.71	2.78	2.77	0.96	
1,958.00	16.35	354.74	1,929.67	269.01	-19.25	-268.29	0.42	0.00	-1.49	
2,052.00	16.20	353.94	2,019.90	295.22	-21.85	-294.41	0.29	-0.16	-0.85	
2,146.00	16.04	353.29	2,110.21	321.16	-24.75	-320.25	0.26	-0.17	-0.69	
2,240.00	15.56	353.36	2,200.66	346.58	-27.73	-345.57	0.51	-0.51	0.07	
2,335.00	15.30	352.42	2,292.23	371.66	-30.85	-370.54	0.38	-0.27	-0.99	
2,429.00	14.81	358.32	2,383.01	395.97	-32.84	-394.77	1.71	-0.52	6.28	
2,524.00	13.89	358.93	2,475.04	419.50	-33.41	-418.28	0.98	-0.97	0.64	
2,618.00	13.24	0.00	2,566.42	441.55	-33.62	-440.31	0.74	-0.69	1.14	
2,713.00	12.22	359.75	2,659.09	462.48	-33.66	-461.23	1.08	-1.07	-0.26	
2,807.00	13.10	356.64	2,750.80	483.07	-34.33	-481.78	1.18	0.94	-3.31	
2,902.00	13.22	356.76	2,843.31	504.66	-35.58	-503.33	0.13	0.13	0.13	
2,996.00	12.55	355.52	2,934.94	525.57	-36.98	-524.19	0.77	-0.71	-1.32	
3,090.00	14.10	357.06	3,026.41	547.19	-38.37	-545.75	1.69	1.65	1.64	
3,185.00	12.83	351.78	3,118.80	569.19	-40.47	-567.68	1.86	-1.34	-5.56	
3,279.00	14.02	353.17	3,210.23	590.82	-43.32	-589.21	1.31	1.27	1.48	
3,374.00	13.13	350.64	3,302.57	612.90	-46.44	-611.18	1.13	-0.94	-2.66	
3,468.00	12.50	355.95	3,394.23	633.58	-48.89	-631.78	1.42	-0.67	5.65	
3,563.00	13.00	359.66	3,486.89	654.52	-49.68	-652.69	1.01	0.53	3.91	
3,657.00	14.06	355.25	3,578.28	676.47	-50.69	-674.60	1.57	1.13	-4.69	
3,752.00	13.34	355.97	3,670.58	698.91	-52.42	-696.97	0.78	-0.76	0.76	
3,846.00	14.02	2.38	3,761.92	721.10	-52.71	-719.14	1.77	0.72	6.82	
3,941.00	13.08	1.70	3,854.27	743.34	-51.91	-741.40	1.00	-0.99	-0.72	

<b>Company:</b>	US ROCKIES WATTENBERG PLANNING	<b>Local Co-ordinate Reference:</b>	Well Cheese 37N-28HZ
<b>Project:</b>	WELD-NAD83-UTMFT13N	<b>TVD Reference:</b>	GL 4817 & KB 25 @ 4841.99usft (HP 307)
<b>Site:</b>	3N-65W-28 Cheese 1-28HZ Pad	<b>MD Reference:</b>	GL 4817 & KB 25 @ 4841.99usft (HP 307)
<b>Well:</b>	Cheese 37N-28HZ	<b>North Reference:</b>	True
<b>Wellbore:</b>	Plan A	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan A	<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)	
4,035.00	13.93	2.47	3,945.67	765.28	-51.11	-763.35	0.92	0.90	0.82	
4,130.00	14.02	1.38	4,037.86	788.21	-50.34	-786.29	0.29	0.09	-1.15	
4,224.00	12.64	359.56	4,129.33	809.88	-50.14	-807.96	1.53	-1.47	-1.94	
4,318.00	11.73	358.93	4,221.21	829.72	-50.40	-827.78	0.98	-0.97	-0.67	
4,413.00	11.96	354.72	4,314.19	849.17	-51.49	-847.19	0.94	0.24	-4.43	
4,507.00	11.70	356.60	4,406.19	868.39	-52.95	-866.35	0.49	-0.28	2.00	
4,602.00	12.38	355.60	4,499.10	888.15	-54.30	-886.07	0.75	0.72	-1.05	
4,696.00	12.03	354.51	4,590.98	907.95	-56.01	-905.80	0.45	-0.37	-1.16	
4,791.00	10.36	348.38	4,684.17	926.18	-58.68	-923.94	2.16	-1.76	-6.45	
4,885.00	9.37	356.27	4,776.78	942.09	-60.88	-939.78	1.78	-1.05	8.39	
4,979.00	8.35	355.14	4,869.66	956.53	-61.95	-954.18	1.10	-1.09	-1.20	
5,074.00	7.99	354.05	4,963.70	969.97	-63.22	-967.57	0.41	-0.38	-1.15	
5,168.00	7.70	354.02	5,056.82	982.73	-64.56	-980.28	0.31	-0.31	-0.03	
5,263.00	7.24	352.88	5,151.01	995.00	-65.96	-992.50	0.51	-0.48	-1.20	
5,357.00	5.39	356.74	5,244.44	1,005.29	-66.95	-1,002.76	2.02	-1.97	4.11	
5,452.00	3.11	357.33	5,339.17	1,012.32	-67.32	-1,009.77	2.40	-2.40	0.62	
5,547.00	1.32	351.41	5,434.09	1,015.97	-67.60	-1,013.42	1.90	-1.88	-6.23	
5,641.00	1.62	357.72	5,528.06	1,018.37	-67.82	-1,015.81	0.36	0.32	6.71	
5,736.00	1.14	356.76	5,623.03	1,020.66	-67.93	-1,018.09	0.51	-0.51	-1.01	
5,831.00	1.45	15.26	5,718.01	1,022.76	-67.66	-1,020.20	0.54	0.33	19.47	
5,925.00	1.71	12.20	5,811.97	1,025.28	-67.05	-1,022.73	0.29	0.28	-3.26	
6,020.00	0.69	51.15	5,906.95	1,027.02	-66.31	-1,024.50	1.32	-1.07	41.00	
6,114.00	1.14	20.73	6,000.94	1,028.25	-65.54	-1,025.75	0.69	0.48	-32.36	
6,209.00	0.86	21.54	6,095.93	1,029.80	-64.94	-1,027.32	0.30	-0.29	0.85	
6,303.00	1.14	358.27	6,189.91	1,031.39	-64.71	-1,028.92	0.52	0.30	-24.76	
6,398.00	0.50	11.81	6,284.90	1,032.74	-64.65	-1,030.27	0.70	-0.67	14.25	
6,492.00	6.07	196.71	6,378.74	1,028.38	-66.00	-1,025.86	6.99	5.93	-186.28	
6,587.00	15.90	186.38	6,471.89	1,010.59	-68.90	-1,008.00	10.51	10.35	-10.87	
6,681.00	21.02	184.45	6,561.03	980.96	-71.64	-978.30	5.48	5.45	-2.05	
6,776.00	23.30	182.41	6,649.01	945.20	-73.75	-942.49	2.53	2.40	-2.15	
6,870.00	32.88	179.68	6,731.84	901.01	-74.39	-898.30	10.28	10.19	-2.90	
6,965.00	43.83	181.12	6,806.23	842.15	-74.89	-839.45	11.56	11.53	1.52	
7,059.00	54.19	180.41	6,867.80	771.30	-75.80	-768.61	11.04	11.02	-0.76	
7,104.00	56.60	178.25	6,893.36	734.27	-75.36	-731.61	6.66	5.36	-4.81	
<b>TOP OF PRODUCTION(304 FSL 930 FEL)</b>										
7,154.00	59.32	175.98	6,919.88	691.95	-73.21	-689.37	6.66	5.44	-4.53	
7,248.00	66.44	177.36	6,962.71	608.48	-68.39	-606.09	7.69	7.57	1.47	
7,342.00	73.65	180.09	6,994.77	520.21	-66.47	-517.93	8.14	7.67	2.90	
7,437.00	80.45	180.03	7,016.05	427.68	-66.57	-425.44	7.16	7.16	-0.06	
7,490.00	83.49	181.27	7,023.45	375.21	-67.16	-372.97	6.18	5.73	2.34	
<b>LANDING DEPTH(60 FNL 924 FEL)</b>										
7,532.00	85.90	182.24	7,027.33	333.42	-68.45	-331.16	6.18	5.74	2.31	
7,626.00	90.34	182.22	7,030.42	239.56	-72.10	-237.24	4.72	4.72	-0.02	

<b>Company:</b>	US ROCKIES WATTENBERG PLANNING	<b>Local Co-ordinate Reference:</b>	Well Cheese 37N-28HZ
<b>Project:</b>	WELD-NAD83-UTMFT13N	<b>TVD Reference:</b>	GL 4817 & KB 25 @ 4841.99usft (HP 307)
<b>Site:</b>	3N-65W-28 Cheese 1-28HZ Pad	<b>MD Reference:</b>	GL 4817 & KB 25 @ 4841.99usft (HP 307)
<b>Well:</b>	Cheese 37N-28HZ	<b>North Reference:</b>	True
<b>Wellbore:</b>	Plan A	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan A	<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)	
7,721.00	92.18	180.38	7,028.33	144.62	-74.26	-142.27	2.74	1.94	-1.94	
7,815.00	90.87	181.84	7,025.83	50.67	-76.08	-48.31	2.09	-1.39	1.55	
7,910.00	91.65	183.60	7,023.74	-44.19	-80.58	46.65	2.03	0.82	1.85	
8,004.00	89.46	183.23	7,022.83	-138.01	-86.18	140.60	2.36	-2.33	-0.39	
8,099.00	86.84	181.38	7,025.89	-232.88	-90.00	235.53	3.38	-2.76	-1.95	
8,193.00	89.73	180.90	7,028.71	-326.80	-91.87	329.47	3.12	3.07	-0.51	
8,288.00	89.03	181.15	7,029.73	-421.78	-93.57	424.46	0.78	-0.74	0.26	
8,382.00	90.84	179.83	7,029.84	-515.77	-94.37	518.43	2.38	1.93	-1.40	
8,477.00	90.30	181.17	7,028.90	-610.76	-95.20	613.40	1.52	-0.57	1.41	
8,571.00	91.14	182.35	7,027.71	-704.71	-98.09	707.39	1.54	0.89	1.26	
8,666.00	90.34	183.52	7,026.49	-799.57	-102.95	802.36	1.49	-0.84	1.23	
8,760.00	93.12	183.32	7,023.65	-893.35	-108.56	896.27	2.97	2.96	-0.21	
8,855.00	90.74	181.06	7,020.45	-988.22	-112.18	991.20	3.45	-2.51	-2.38	
8,949.00	90.97	182.66	7,019.05	-1,082.16	-115.23	1,085.18	1.72	0.24	1.70	
9,044.00	89.97	182.34	7,018.27	-1,177.06	-119.38	1,180.17	1.11	-1.05	-0.34	
9,138.00	89.30	182.83	7,018.87	-1,270.96	-123.62	1,274.16	0.88	-0.71	0.52	
9,233.00	90.13	183.15	7,019.34	-1,365.83	-128.57	1,369.13	0.94	0.87	0.34	
9,327.00	90.07	182.34	7,019.18	-1,459.72	-133.07	1,463.12	0.86	-0.06	-0.86	
9,422.00	90.50	182.32	7,018.70	-1,554.64	-136.94	1,558.11	0.45	0.45	-0.02	
9,516.00	90.40	182.35	7,017.96	-1,648.56	-140.77	1,652.11	0.11	-0.11	0.03	
9,611.00	90.44	182.19	7,017.27	-1,743.48	-144.53	1,747.10	0.17	0.04	-0.17	
9,705.00	89.73	182.11	7,017.13	-1,837.42	-148.05	1,841.10	0.76	-0.76	-0.09	
9,800.00	89.66	182.89	7,017.63	-1,932.32	-152.20	1,936.09	0.82	-0.07	0.82	
9,894.00	90.24	183.09	7,017.72	-2,026.20	-157.10	2,030.06	0.65	0.62	0.21	
9,989.00	90.47	183.25	7,017.13	-2,121.05	-162.36	2,125.03	0.29	0.24	0.17	
10,083.00	89.90	182.38	7,016.82	-2,214.93	-166.97	2,219.02	1.11	-0.61	-0.93	
10,178.00	89.40	182.62	7,017.40	-2,309.84	-171.12	2,314.01	0.58	-0.53	0.25	
10,272.00	90.87	181.82	7,017.18	-2,403.77	-174.76	2,408.00	1.78	1.56	-0.85	
10,367.00	90.07	181.99	7,016.40	-2,498.71	-177.91	2,503.00	0.86	-0.84	0.18	
10,462.00	90.03	182.50	7,016.32	-2,593.64	-181.64	2,597.99	0.54	-0.04	0.54	
10,556.00	89.40	181.42	7,016.79	-2,687.58	-184.85	2,691.99	1.33	-0.67	-1.15	
10,650.00	90.64	182.14	7,016.76	-2,781.53	-187.77	2,785.99	1.53	1.32	0.77	
10,745.00	91.34	183.09	7,015.11	-2,876.42	-192.10	2,880.96	1.24	0.74	1.00	
10,839.00	89.46	183.53	7,014.46	-2,970.25	-197.53	2,974.92	2.05	-2.00	0.47	
10,934.00	89.97	182.48	7,014.93	-3,065.12	-202.51	3,069.89	1.23	0.54	-1.11	
11,028.00	88.19	182.11	7,016.44	-3,159.03	-206.27	3,163.87	1.93	-1.89	-0.39	
11,123.00	90.20	182.52	7,017.77	-3,253.94	-210.11	3,258.85	2.16	2.12	0.43	
11,217.00	90.64	182.08	7,017.09	-3,347.86	-213.88	3,352.85	0.66	0.47	-0.47	
11,312.00	90.94	180.88	7,015.78	-3,442.81	-216.34	3,447.83	1.30	0.32	-1.26	
11,406.00	89.76	181.01	7,015.20	-3,536.80	-217.89	3,541.82	1.26	-1.26	0.14	
11,501.00	89.80	180.91	7,015.57	-3,631.78	-219.48	3,636.81	0.11	0.04	-0.11	
11,595.00	88.93	180.41	7,016.61	-3,725.77	-220.56	3,730.79	1.07	-0.93	-0.53	
11,690.00	89.90	179.13	7,017.58	-3,820.76	-220.18	3,825.72	1.69	1.02	-1.35	
11,784.00	89.60	180.24	7,017.99	-3,914.76	-219.66	3,919.66	1.22	-0.32	1.18	

<b>Company:</b>	US ROCKIES WATTENBERG PLANNING	<b>Local Co-ordinate Reference:</b>	Well Cheese 37N-28HZ
<b>Project:</b>	WELD-NAD83-UTMFT13N	<b>TVD Reference:</b>	GL 4817 & KB 25 @ 4841.99usft (HP 307)
<b>Site:</b>	3N-65W-28 Cheese 1-28HZ Pad	<b>MD Reference:</b>	GL 4817 & KB 25 @ 4841.99usft (HP 307)
<b>Well:</b>	Cheese 37N-28HZ	<b>North Reference:</b>	True
<b>Wellbore:</b>	Plan A	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Plan A	<b>Database:</b>	Denver Sales

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)
11,879.00	88.93	180.15	7,019.21	-4,009.75	-219.99	4,014.61	0.71	-0.71	-0.09
11,973.00	89.26	180.01	7,020.69	-4,103.74	-220.12	4,108.56	0.38	0.35	-0.15
12,068.00	88.29	179.96	7,022.72	-4,198.71	-220.09	4,203.49	1.02	-1.02	-0.05
12,163.00	88.56	180.31	7,025.33	-4,293.68	-220.32	4,298.42	0.47	0.28	0.37
12,257.00	87.98	179.83	7,028.17	-4,387.63	-220.43	4,392.33	0.80	-0.62	-0.51
12,351.00	90.10	180.05	7,029.75	-4,481.62	-220.33	4,486.27	2.27	2.26	0.23
12,445.00	91.17	181.56	7,028.70	-4,575.60	-221.65	4,580.25	1.97	1.14	1.61
12,540.00	91.28	183.44	7,026.67	-4,670.48	-225.80	4,675.21	1.98	0.12	1.98
12,626.00	90.77	183.17	7,025.13	-4,756.32	-230.75	4,761.17	0.67	-0.59	-0.31
<b>LAST SDI MWD PRODUCTION SURVEY</b>									
12,679.00	90.77	183.17	7,024.42	-4,809.24	-233.68	4,814.15	0.00	0.00	0.00
<b>SDI PROJECTION TO TD(50 FSL 1114 FEL)</b>									

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)
1,176.00	1,170.35	9 5/8"	9.625	13.500

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
103.00	103.00	-0.06	0.04	FIRST CATHEDRAL MWD SURFACE SURVEY
1,161.00	1,155.65	80.42	-6.96	LAST CATHEDRAL MWD SURFACE SURVEY
1,296.00	1,287.79	107.89	-10.20	FIRST SDI MWD PRODUCTION SURVEY
7,104.00	6,893.36	734.27	-75.36	TOP OF PRODUCTION(304 FSL 930 FEL)
7,490.00	7,023.45	375.21	-67.16	LANDING DEPTH(60 FNL 924 FEL)
12,626.00	7,025.13	-4,756.32	-230.75	LAST SDI MWD PRODUCTION SURVEY
12,679.00	7,024.42	-4,809.24	-233.68	SDI PROJECTION TO TD(50 FSL 1114 FEL)

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