



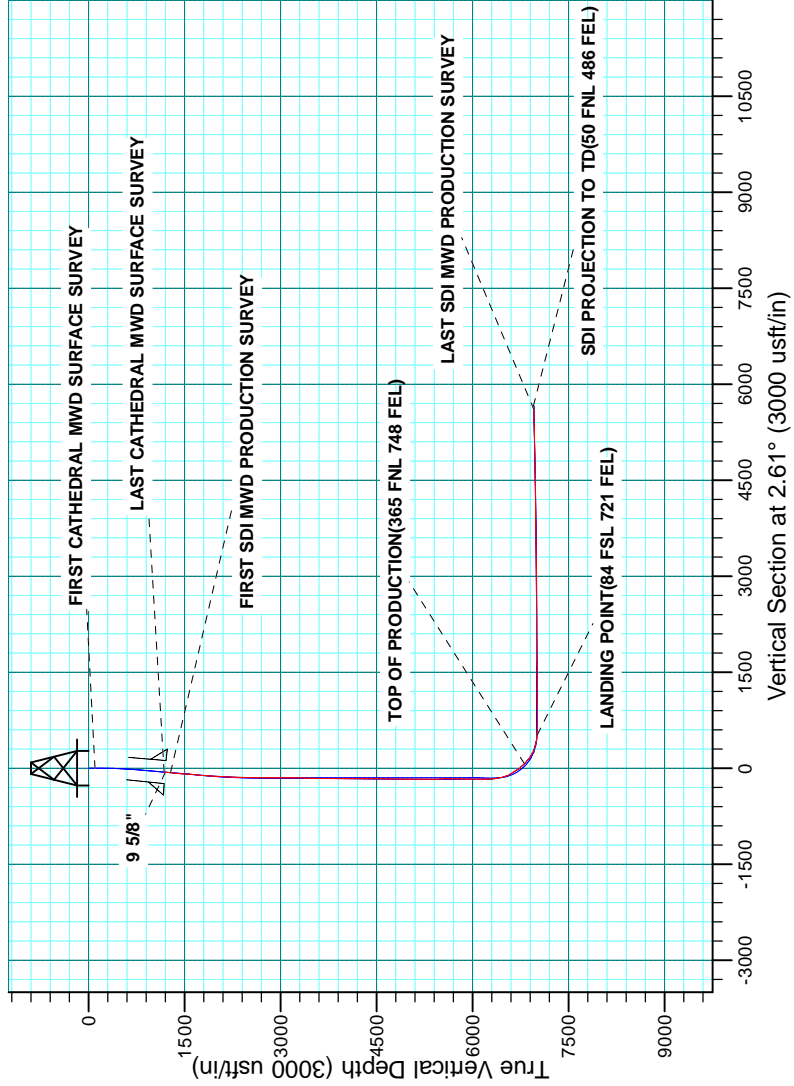
Project: WELD-NAD83-UTMFT13N
Site: 3N-65W-28 Cheese 1-28HZ Pad
Well: Cheese State 26N-21HZ
Wellbore: Plan A
Design: Plan A



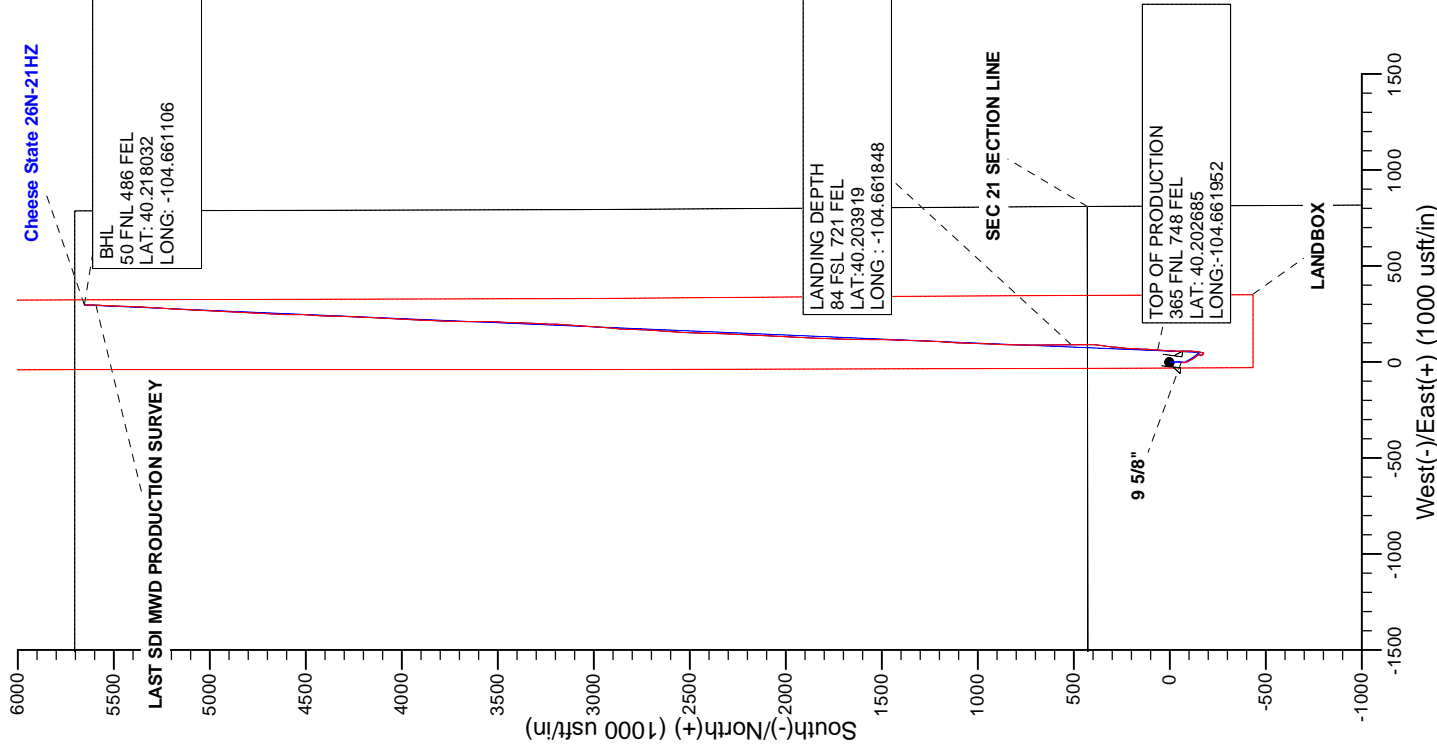
WELL DETAILS: Cheese State 26N-21HZ			
GL 4817 & KB 25 @ 4841.96usft (HP 307)			
+N/-S	+E/-W	Northing	Eastng
0.00	0.00	14600657.07	1734744.06
		Latitude	Longitude
		40.202512	-104.662178

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
1196.80	1199.00 9 5/8" 9.625



Survey: Survey #2 SDI MWD PRODUCTION (Cheese State 26N-21HZ/Plan A)
 Created By: R.Scott Date: 16:30, June 01 2015



Company:	US ROCKIES WATTENBERG PLANNING	Local Co-ordinate Reference:	Well Cheese State 26N-21HZ
Project:	WELD-NAD83-UTMFT13N	TVD Reference:	GL 4817 & KB 25 @ 4841.99usft (HP 307)
Site:	3N-65W-28 Cheese 1-28HZ Pad	MD Reference:	GL 4817 & KB 25 @ 4841.99usft (HP 307)
Well:	Cheese State 26N-21HZ	North Reference:	True
Wellbore:	Plan A	Survey Calculation Method:	Minimum Curvature
Design:	Plan A	Database:	Denver Sales

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

Site	3N-65W-28 Cheese 1-28HZ Pad, SECTION 28 T3N R65W				
Site Position:	Northing:	14,600,657.57 usft	Latitude:	40.202514	
From:	Lat/Long	Easting:	1,734,684.02 usft	Longitude:	-104.662393
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.22 °

Well	Cheese State 26N-21HZ, 429' FNL 815' FEL					
Well Position	+N/-S	0.00 usft	Northing:	14,600,657.07 usft	Latitude:	40.202512
	+E/-W	0.00 usft	Easting:	1,734,744.05 usft	Longitude:	-104.662178
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	4,817.00 usft	

Wellbore	Plan A				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/9/2014	8.35	66.79	52,689

Design	Plan A				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	2.61	

Survey Program	Date	6/1/2015			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
20.00	1,185.00	Survey #1 CATHEDRAL MWD SURFACE	APC_ISCWSA REV 2 MWD	Fixed:v2:standard declination	
1,278.00	12,529.00	Survey #2 SDI MWD PRODUCTION (Plan	APC_ISCWSA REV 2 MWD+	Fixed:v2:crustal field declination	

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)	
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	0.60	163.70	103.00	-0.42	0.12	-0.41	0.72	0.72	0.00	0.00
FIRST CATHEDRAL MWD SURFACE SURVEY										
165.00	0.60	162.20	164.99	-1.04	0.31	-1.02	0.03	0.00	-2.42	
224.00	0.40	174.60	223.99	-1.54	0.43	-1.52	0.38	-0.34	21.02	
282.00	0.60	173.10	281.99	-2.04	0.48	-2.02	0.35	0.34	-2.59	
343.00	1.10	196.70	342.98	-2.92	0.35	-2.90	0.98	0.82	38.69	
407.00	1.80	189.10	406.96	-4.50	0.02	-4.49	1.13	1.09	-11.88	
471.00	2.50	181.40	470.92	-6.89	-0.18	-6.89	1.18	1.09	-12.03	

Company:	US ROCKIES WATTENBERG PLANNING	Local Co-ordinate Reference:	Well Cheese State 26N-21HZ
Project:	WELD-NAD83-UTMFT13N	TVD Reference:	GL 4817 & KB 25 @ 4841.99usft (HP 307)
Site:	3N-65W-28 Cheese 1-28HZ Pad	MD Reference:	GL 4817 & KB 25 @ 4841.99usft (HP 307)
Well:	Cheese State 26N-21HZ	North Reference:	True
Wellbore:	Plan A	Survey Calculation Method:	Minimum Curvature
Design:	Plan A	Database:	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)	
535.00	2.70	179.70	534.85	-9.79	-0.20	-9.79	0.33	0.31	-2.66	
599.00	3.70	177.60	598.75	-13.36	-0.11	-13.35	1.57	1.56	-3.28	
663.00	4.60	172.30	662.58	-17.97	0.32	-17.93	1.53	1.41	-8.28	
727.00	4.80	173.70	726.37	-23.17	0.96	-23.10	0.36	0.31	2.19	
790.00	4.70	181.30	789.15	-28.37	1.19	-28.29	1.01	-0.16	12.06	
854.00	4.60	186.00	852.94	-33.55	0.86	-33.47	0.62	-0.16	7.34	
918.00	4.60	181.20	916.73	-38.66	0.54	-38.60	0.60	0.00	-7.50	
980.00	4.40	177.90	978.54	-43.53	0.58	-43.45	0.53	-0.32	-5.32	
1,044.00	4.50	177.00	1,042.35	-48.49	0.80	-48.40	0.19	0.16	-1.41	
1,109.00	4.80	183.50	1,107.14	-53.75	0.76	-53.66	0.93	0.46	10.00	
1,172.00	5.00	185.90	1,169.91	-59.11	0.32	-59.03	0.45	0.32	3.81	
1,185.00	5.20	186.20	1,182.85	-60.26	0.20	-60.19	1.55	1.54	2.31	
LAST CATHEDRAL MWD SURFACE SURVEY										
1,199.00	5.20	185.95	1,196.80	-61.52	0.06	-61.45	0.16	0.00	-1.77	
9 5/8"										
1,278.00	5.20	184.55	1,275.47	-68.65	-0.59	-68.61	0.16	0.00	-1.77	
FIRST SDI MWD PRODUCTION SURVEY										
1,373.00	5.76	179.74	1,370.04	-77.71	-0.91	-77.67	0.76	0.59	-5.06	
1,467.00	6.12	164.43	1,463.54	-87.25	0.46	-87.14	1.72	0.38	-16.29	
1,562.00	6.10	151.32	1,558.01	-96.56	4.24	-96.27	1.47	-0.02	-13.80	
1,656.00	5.72	146.69	1,651.51	-104.86	9.21	-104.33	0.65	-0.40	-4.93	
1,751.00	5.35	150.98	1,746.06	-112.69	13.96	-111.93	0.58	-0.39	4.52	
1,845.00	5.46	149.66	1,839.65	-120.38	18.34	-119.42	0.18	0.12	-1.40	
1,940.00	4.99	145.30	1,934.25	-127.67	22.98	-126.50	0.65	-0.49	-4.59	
2,034.00	5.00	144.22	2,027.89	-134.36	27.70	-132.96	0.10	0.01	-1.15	
2,128.00	2.95	146.91	2,121.66	-139.71	31.41	-138.13	2.19	-2.18	2.86	
2,222.00	2.74	147.03	2,215.55	-143.62	33.96	-141.93	0.22	-0.22	0.13	
2,317.00	2.06	140.55	2,310.46	-146.84	36.28	-145.04	0.77	-0.72	-6.82	
2,411.00	1.60	148.41	2,404.42	-149.27	38.04	-147.38	0.56	-0.49	8.36	
2,506.00	0.88	128.32	2,499.39	-150.85	39.31	-148.90	0.87	-0.76	-21.15	
2,601.00	0.74	145.78	2,594.38	-151.81	40.22	-149.82	0.30	-0.15	18.38	
2,695.00	0.66	183.26	2,688.38	-152.85	40.53	-150.85	0.49	-0.09	39.87	
2,790.00	1.04	183.20	2,783.37	-154.26	40.46	-152.26	0.40	0.40	-0.06	
2,884.00	0.80	174.93	2,877.35	-155.76	40.47	-153.76	0.29	-0.26	-8.80	
2,978.00	0.80	206.19	2,971.35	-157.01	40.23	-155.01	0.46	0.00	33.26	
3,073.00	0.70	204.98	3,066.34	-158.13	39.70	-156.16	0.11	-0.11	-1.27	
3,167.00	0.91	237.99	3,160.33	-159.04	38.82	-157.11	0.53	0.22	35.12	
3,262.00	1.00	275.28	3,255.32	-159.37	37.36	-157.50	0.65	0.09	39.25	
3,356.00	1.64	247.67	3,349.29	-159.80	35.29	-158.03	0.94	0.68	-29.37	
3,451.00	0.63	157.26	3,444.28	-160.80	34.24	-159.07	1.85	-1.06	-95.17	
3,545.00	0.57	166.58	3,538.27	-161.73	34.55	-159.99	0.12	-0.06	9.91	
3,640.00	1.09	169.37	3,633.26	-163.08	34.82	-161.32	0.55	0.55	2.94	
3,734.00	1.12	149.32	3,727.24	-164.75	35.46	-162.96	0.41	0.03	-21.33	
3,829.00	1.06	135.38	3,822.23	-166.17	36.55	-164.34	0.29	-0.06	-14.67	

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Site:	3N-65W-28 Cheese 1-28HZ Pad	MD Reference:	GL 4817 & KB 25 @ 4841.99usft (HP 307)
Well:	Cheese State 26N-21HZ	North Reference:	True
Wellbore:	Plan A	Survey Calculation Method:	Minimum Curvature
Design:	Plan A	Database:	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)	
3,923.00	0.66	139.72	3,916.22	-167.20	37.51	-165.32	0.43	-0.43	4.62	
4,017.00	0.70	138.99	4,010.21	-168.05	38.24	-166.14	0.04	0.04	-0.78	
4,112.00	0.78	182.52	4,105.20	-169.13	38.59	-167.20	0.58	0.08	45.82	
4,206.00	0.31	198.24	4,199.20	-170.02	38.48	-168.09	0.52	-0.50	16.72	
4,301.00	0.33	241.00	4,294.20	-170.39	38.16	-168.48	0.25	0.02	45.01	
4,395.00	0.71	68.21	4,388.20	-170.31	38.46	-168.38	1.10	0.40	-183.82	
4,584.00	0.17	292.80	4,577.19	-169.76	39.29	-167.80	0.44	-0.29	-71.65	
4,678.00	0.23	209.28	4,671.19	-169.87	39.07	-167.92	0.29	0.06	-88.85	
4,773.00	0.61	110.37	4,766.19	-170.22	39.45	-168.24	0.72	0.40	-104.12	
4,867.00	1.15	147.31	4,860.18	-171.18	40.43	-169.17	0.81	0.57	39.30	
4,962.00	0.96	125.79	4,955.16	-172.45	41.59	-170.38	0.46	-0.20	-22.65	
5,056.00	0.99	140.74	5,049.15	-173.54	42.74	-171.42	0.27	0.03	15.90	
5,151.00	0.54	161.14	5,144.14	-174.60	43.41	-172.44	0.55	-0.47	21.47	
5,245.00	1.19	166.62	5,238.13	-175.97	43.78	-173.79	0.70	0.69	5.83	
5,340.00	1.35	72.99	5,333.11	-176.60	45.08	-174.37	1.95	0.17	-98.56	
5,434.00	1.41	74.09	5,427.09	-175.96	47.25	-173.63	0.07	0.06	1.17	
5,529.00	1.18	50.77	5,522.06	-175.02	49.13	-172.60	0.60	-0.24	-24.55	
5,624.00	1.25	63.75	5,617.04	-173.95	50.82	-171.45	0.30	0.07	13.66	
5,718.00	0.84	131.39	5,711.03	-173.95	52.25	-171.39	1.29	-0.44	71.96	
5,813.00	0.66	159.10	5,806.02	-174.92	52.97	-172.33	0.42	-0.19	29.17	
5,908.00	0.34	263.70	5,901.02	-175.46	52.89	-172.87	0.86	-0.34	110.11	
6,002.00	0.07	315.61	5,995.02	-175.45	52.57	-172.87	0.32	-0.29	55.22	
6,097.00	0.42	339.21	6,090.02	-175.08	52.40	-172.52	0.38	0.37	24.84	
6,191.00	1.18	321.51	6,184.01	-174.00	51.68	-171.47	0.84	0.81	-18.83	
6,286.00	1.80	312.53	6,278.97	-172.23	49.97	-169.78	0.70	0.65	-9.45	
6,380.00	7.97	12.47	6,372.62	-164.86	50.29	-162.40	7.70	6.56	63.77	
6,475.00	18.32	7.56	6,465.01	-143.57	53.69	-140.98	10.95	10.89	-5.17	
6,569.00	22.73	3.61	6,553.03	-110.78	56.78	-108.08	4.91	4.69	-4.20	
6,663.00	29.47	358.45	6,637.40	-69.49	57.29	-66.81	7.56	7.17	-5.49	
6,758.00	36.26	2.12	6,717.16	-17.99	57.70	-15.34	7.45	7.15	3.86	
6,852.00	45.13	4.75	6,788.36	43.11	61.50	45.87	9.61	9.44	2.80	
6,880.00	46.58	4.83	6,807.86	63.13	63.17	65.94	5.19	5.19	0.30	
TOP OF PRODUCTION(365 FNL 748 FEL)										
6,947.00	50.06	5.02	6,852.41	112.98	67.47	115.94	5.19	5.19	0.28	
7,042.00	57.54	359.79	6,908.50	189.48	70.52	192.50	9.04	7.87	-5.51	
7,136.00	67.55	7.82	6,951.84	272.49	76.31	275.68	13.06	10.65	8.54	
7,230.00	75.05	6.66	6,981.96	360.76	87.50	364.37	8.06	7.98	-1.23	
7,325.00	83.13	359.95	6,999.94	453.75	92.80	457.51	10.97	8.51	-7.06	
7,384.00	86.32	358.86	7,005.36	512.49	92.19	516.16	5.72	5.41	-1.84	
LANDING POINT(84 FSL 721 FEL)										
7,419.00	88.22	358.22	7,007.03	547.44	91.29	551.03	5.72	5.42	-1.83	
7,514.00	88.69	359.95	7,009.59	642.39	89.78	645.81	1.89	0.49	1.82	
7,608.00	89.97	0.84	7,010.69	736.38	90.43	739.73	1.66	1.36	0.95	

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Site:	3N-65W-28 Cheese 1-28HZ Pad	MD Reference:	GL 4817 & KB 25 @ 4841.99usft (HP 307)
Well:	Cheese State 26N-21HZ	North Reference:	True
Wellbore:	Plan A	Survey Calculation Method:	Minimum Curvature
Design:	Plan A	Database:	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)	
7,703.00	91.81	1.37	7,009.21	831.34	92.26	834.68	2.02	1.94	0.56	
7,798.00	90.77	2.44	7,007.08	926.26	95.42	929.65	1.57	-1.09	1.13	
7,892.00	92.01	2.22	7,004.80	1,020.16	99.24	1,023.62	1.34	1.32	-0.23	
7,987.00	89.77	2.86	7,003.32	1,115.05	103.45	1,118.60	2.45	-2.36	0.67	
8,081.00	90.44	2.80	7,003.15	1,208.93	108.09	1,212.60	0.72	0.71	-0.06	
8,176.00	89.33	2.44	7,003.34	1,303.83	112.43	1,307.60	1.23	-1.17	-0.38	
8,270.00	89.93	1.48	7,003.95	1,397.77	115.64	1,401.59	1.20	0.64	-1.02	
8,365.00	90.07	0.82	7,003.95	1,492.75	117.55	1,496.56	0.71	0.15	-0.69	
8,459.00	90.77	0.05	7,003.26	1,586.75	118.26	1,590.48	1.11	0.74	-0.82	
8,553.00	90.40	1.52	7,002.30	1,680.73	119.55	1,684.43	1.61	-0.39	1.56	
8,648.00	89.26	2.13	7,002.58	1,775.68	122.58	1,779.42	1.36	-1.20	0.64	
8,742.00	90.34	3.11	7,002.91	1,869.58	126.87	1,873.41	1.55	1.15	1.04	
8,837.00	91.01	2.40	7,001.79	1,964.46	131.44	1,968.41	1.03	0.71	-0.75	
8,931.00	90.64	3.70	7,000.43	2,058.31	136.44	2,062.39	1.44	-0.39	1.38	
9,026.00	90.64	2.80	6,999.37	2,153.15	141.83	2,157.38	0.95	0.00	-0.95	
9,121.00	91.11	2.41	6,997.92	2,248.04	146.14	2,252.37	0.64	0.49	-0.41	
9,215.00	89.36	1.66	6,997.54	2,341.98	149.48	2,346.36	2.03	-1.86	-0.80	
9,310.00	90.57	1.61	6,997.60	2,436.94	152.19	2,441.34	1.27	1.27	-0.05	
9,404.00	89.43	2.25	6,997.60	2,530.88	155.36	2,535.33	1.39	-1.21	0.68	
9,499.00	89.87	3.77	6,998.18	2,625.75	160.35	2,630.33	1.67	0.46	1.60	
9,593.00	90.57	3.14	6,997.81	2,719.58	166.01	2,724.31	1.00	0.74	-0.67	
9,688.00	92.11	2.52	6,995.59	2,814.43	170.70	2,819.28	1.75	1.62	-0.65	
9,782.00	90.27	4.41	6,993.64	2,908.23	176.38	2,913.25	2.81	-1.96	2.01	
9,877.00	90.70	4.50	6,992.84	3,002.94	183.76	3,008.19	0.46	0.45	0.09	
9,970.00	90.17	3.85	6,992.13	3,095.69	190.53	3,101.15	0.90	-0.57	-0.70	
10,064.00	90.34	3.45	6,991.71	3,189.50	196.51	3,195.14	0.46	0.18	-0.43	
10,159.00	90.74	1.94	6,990.82	3,284.39	200.98	3,290.13	1.64	0.42	-1.59	
10,253.00	90.50	2.84	6,989.80	3,378.30	204.90	3,384.12	0.99	-0.26	0.96	
10,348.00	90.13	2.05	6,989.28	3,473.21	208.95	3,479.12	0.92	-0.39	-0.83	
10,442.00	90.30	0.36	6,988.92	3,567.18	210.93	3,573.09	1.81	0.18	-1.80	
10,537.00	91.04	0.35	6,987.81	3,662.17	211.52	3,668.01	0.78	0.78	-0.01	
10,631.00	90.13	1.20	6,986.85	3,756.16	212.79	3,761.95	1.32	-0.97	0.90	
10,726.00	90.91	3.76	6,985.99	3,851.06	216.90	3,856.94	2.82	0.82	2.69	
10,820.00	90.64	3.11	6,984.72	3,944.88	222.53	3,950.92	0.75	-0.29	-0.69	
10,915.00	90.24	2.99	6,983.99	4,039.74	227.58	4,045.91	0.44	-0.42	-0.13	
11,009.00	90.81	2.25	6,983.13	4,133.64	231.88	4,139.91	0.99	0.61	-0.79	
11,104.00	91.21	1.64	6,981.45	4,228.57	235.11	4,234.89	0.77	0.42	-0.64	
11,198.00	90.27	3.06	6,980.24	4,322.48	238.96	4,328.88	1.81	-1.00	1.51	
11,293.00	89.93	1.72	6,980.07	4,417.39	242.92	4,423.87	1.46	-0.36	-1.41	
11,387.00	90.64	2.56	6,979.61	4,511.33	246.43	4,517.87	1.17	0.76	0.89	
11,482.00	92.22	1.74	6,977.24	4,606.22	249.99	4,612.83	1.87	1.66	-0.86	
11,576.00	90.91	2.84	6,974.67	4,700.11	253.75	4,706.79	1.82	-1.39	1.17	
11,671.00	91.88	2.86	6,972.36	4,794.96	258.47	4,801.76	1.02	1.02	0.02	
11,765.00	92.46	3.65	6,968.80	4,888.74	263.80	4,895.69	1.04	0.62	0.84	

Company:	US ROCKIES WATTENBERG PLANNING	Local Co-ordinate Reference:	Well Cheese State 26N-21HZ
Project:	WELD-NAD83-UTMFT13N	TVD Reference:	GL 4817 & KB 25 @ 4841.99usft (HP 307)
Site:	3N-65W-28 Cheese 1-28HZ Pad	MD Reference:	GL 4817 & KB 25 @ 4841.99usft (HP 307)
Well:	Cheese State 26N-21HZ	North Reference:	True
Wellbore:	Plan A	Survey Calculation Method:	Minimum Curvature
Design:	Plan A	Database:	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)
11,860.00	90.37	2.67	6,966.45	4,983.56	269.04	4,990.65	2.43	-2.20	-1.03
11,954.00	91.38	1.59	6,965.02	5,077.49	272.53	5,084.63	1.57	1.07	-1.15
12,049.00	89.76	3.15	6,964.07	5,172.39	276.46	5,179.62	2.37	-1.71	1.64
12,143.00	91.01	2.59	6,963.44	5,266.27	281.17	5,273.61	1.46	1.33	-0.60
12,238.00	90.97	3.43	6,961.80	5,361.13	286.15	5,368.59	0.89	-0.04	0.88
12,332.00	92.78	2.99	6,958.72	5,454.92	291.41	5,462.54	1.98	1.93	-0.47
12,426.00	91.81	2.19	6,954.96	5,548.75	295.66	5,556.46	1.34	-1.03	-0.85
12,470.00	92.28	2.07	6,953.39	5,592.69	297.29	5,600.43	1.10	1.07	-0.27
LAST SDI MWD PRODUCTION SURVEY									
12,529.00	92.28	2.07	6,951.04	5,651.61	299.42	5,659.38	0.00	0.00	0.00
SDI PROJECTION TO TD(50 FNL 486 FEL)									

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,199.00	1,196.80	9 5/8"	9.625	13.500	

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
103.00	103.00	-0.42	0.12	FIRST CATHEDRAL MWD SURFACE SURVEY	
1,185.00	1,182.85	-60.26	0.20	LAST CATHEDRAL MWD SURFACE SURVEY	
1,278.00	1,275.47	-68.65	-0.59	FIRST SDI MWD PRODUCTION SURVEY	
6,880.00	6,807.86	63.13	63.17	TOP OF PRODUCTION(365 FNL 748 FEL)	
7,384.00	7,005.36	512.49	92.19	LANDING POINT(84 FSL 721 FEL)	
12,470.00	6,953.39	5,592.69	297.29	LAST SDI MWD PRODUCTION SURVEY	
12,529.00	6,951.04	5,651.61	299.42	SDI PROJECTION TO TD(50 FNL 486 FEL)	

Checked By: _____ Approved By: _____ Date: _____