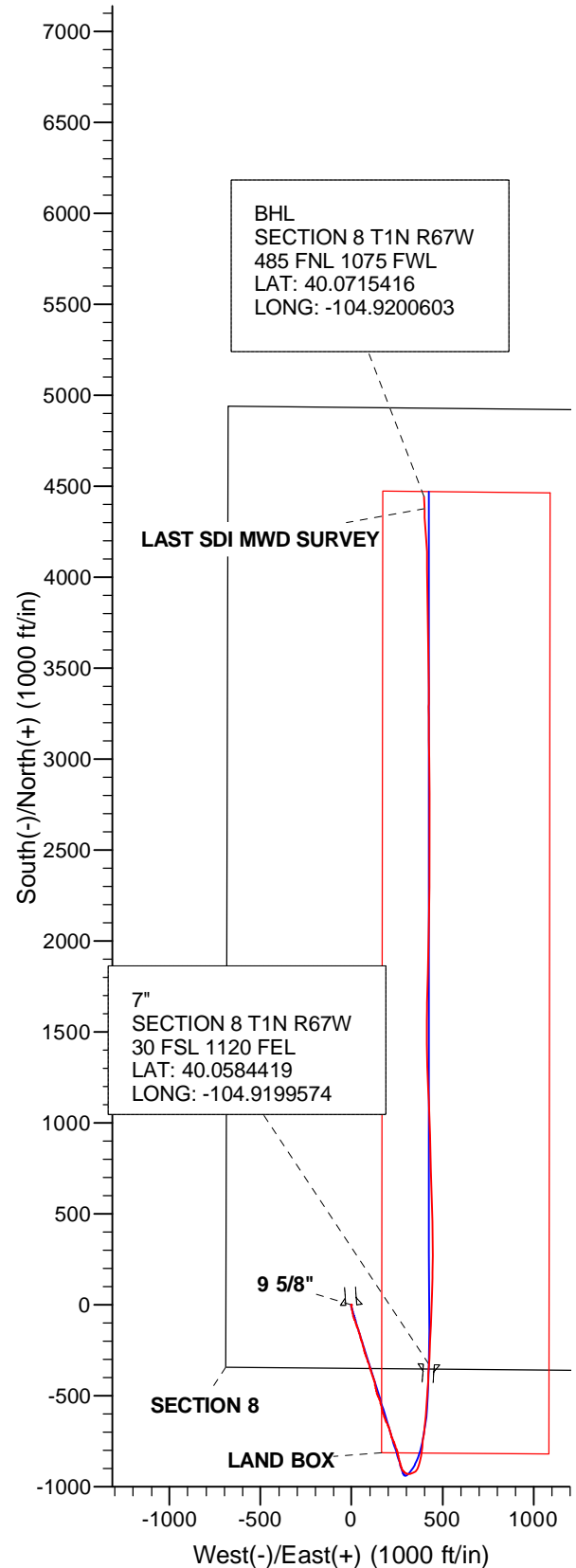
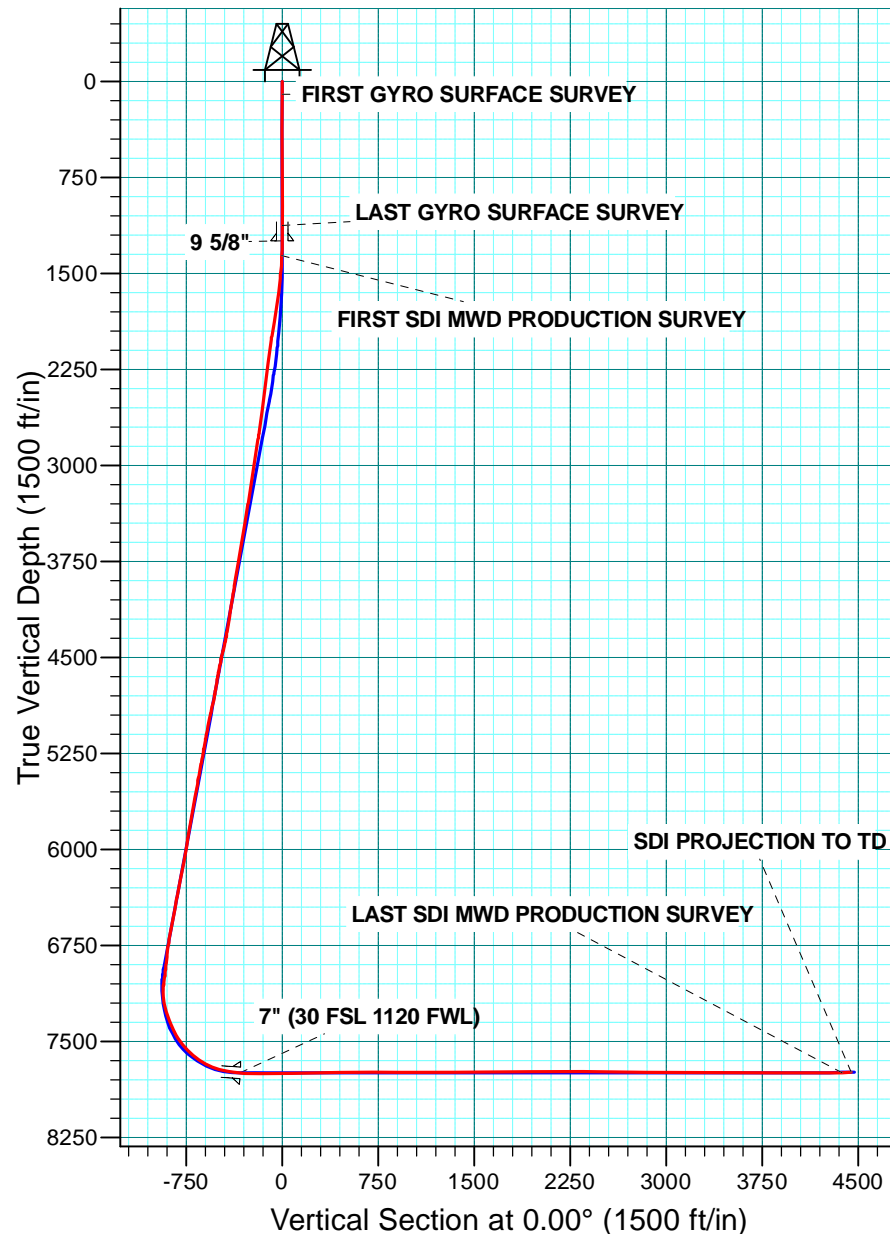


WELL DETAILS: NRC 4C-8HZ

GL 5049 & KB 25 @ 5074.00ft (H&P 311)

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1264991.13	3161931.72	40.0593400	-104.9214820





US ROCKIES REGION PLANNING

COLORADO NORTHERN ZONE - 83

NRC 13-8HZ PAD

NRC 4C-8HZ

OH

Design: OH

Standard Survey Report

19 February, 2014

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well NRC 4C-8HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	GL 5049 & KB 25 @ 5074.00ft (H&P 311)
Site:	NRC 13-8HZ PAD	MD Reference:	GL 5049 & KB 25 @ 5074.00ft (H&P 311)
Well:	NRC 4C-8HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

Project	COLORADO NORTHERN ZONE - 83, KERR MCGEE OIL & GAS ONSHORE LP		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site	NRC 13-8HZ PAD, SWSW SECTION 8 T1N R67W		
Site Position:		Northing:	1,264,991.47 usft
From:	Lat/Long	Easting:	3,161,871.82 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in
		Latitude:	40.0593420
		Longitude:	-104.9216960
		Grid Convergence:	0.37 °

Well	NRC 4C-8HZ		
Well Position	+N/-S	0.00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft
		Latitude:	40.0593400
		Longitude:	-104.9214820
		Ground Level:	5,049.00 ft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	BGGM2013	1/22/2014	8.61
			Dip Angle (°)
			66.65
			Field Strength (nT)
			52,581

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

Survey Program	Date	2/19/2014		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.00	1,127.00	Survey #1 GYRO SURFACE (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
1,358.00	12,951.00	Survey #2 SDI MWD PRODUCTION (OH)	SDI_MWD+CRUST_1.0	SDI MWD + Crustal anomaly, Version 1.0

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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
100.00	0.80	145.95	100.00	-0.58	0.39	-0.58	0.80	0.80	0.00
FIRST GYRO SURFACE SURVEY									
200.00	0.27	333.11	199.99	-0.95	0.68	-0.95	1.07	-0.53	-172.84
300.00	0.69	114.58	299.99	-0.99	1.12	-0.99	0.92	0.42	141.47
400.00	0.53	230.40	399.99	-1.53	1.31	-1.53	1.04	-0.16	115.82
500.00	0.58	349.00	499.99	-1.33	0.85	-1.33	0.95	0.05	118.60
600.00	0.57	163.91	599.99	-1.31	0.90	-1.31	1.15	-0.01	174.91
700.00	0.61	286.32	699.98	-1.64	0.52	-1.64	1.03	0.04	122.41
800.00	0.37	107.70	799.98	-1.59	0.32	-1.59	0.98	-0.24	-178.62

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well NRC 4C-8HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	GL 5049 & KB 25 @ 5074.00ft (H&P 311)
Site:	NRC 13-8HZ PAD	MD Reference:	GL 5049 & KB 25 @ 5074.00ft (H&P 311)
Well:	NRC 4C-8HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
900.00	0.83	295.55	899.98	-1.37	-0.03	-1.37	1.20	0.46	-172.15
1,000.00	0.48	79.36	999.98	-0.98	-0.27	-0.98	1.25	-0.35	143.81
1,100.00	0.60	300.48	1,099.97	-0.64	-0.31	-0.64	1.01	0.12	-138.88
1,127.00	0.72	321.10	1,126.97	-0.44	-0.54	-0.44	0.98	0.44	76.37
LAST GYRO SURFACE SURVEY									
1,248.00	0.68	177.03	1,247.97	-0.56	-0.98	-0.56	1.10	-0.04	-119.07
9 5/8"									
1,358.00	1.86	165.11	1,357.94	-2.93	-0.48	-2.93	1.10	1.08	-10.84
FIRST SDI MWD PRODUCTION SURVEY									
1,449.00	4.56	170.58	1,448.79	-7.93	0.49	-7.93	2.98	2.97	6.01
1,563.00	6.78	171.48	1,562.22	-19.06	2.23	-19.06	1.95	1.95	0.79
1,654.00	7.25	172.02	1,652.54	-30.05	3.82	-30.05	0.52	0.52	0.59
1,745.00	8.91	169.67	1,742.64	-42.67	5.88	-42.67	1.86	1.82	-2.58
1,837.00	9.41	166.82	1,833.46	-57.01	8.87	-57.01	0.73	0.54	-3.10
1,929.00	8.87	162.71	1,924.30	-71.10	12.70	-71.10	0.92	-0.59	-4.47
2,020.00	8.50	159.17	2,014.25	-84.09	17.17	-84.09	0.71	-0.41	-3.89
2,111.00	8.49	159.58	2,104.25	-96.67	21.91	-96.67	0.07	-0.01	0.45
2,203.00	8.19	158.84	2,195.28	-109.14	26.64	-109.14	0.35	-0.33	-0.80
2,295.00	7.49	156.30	2,286.42	-120.75	31.42	-120.75	0.85	-0.76	-2.76
2,386.00	7.51	158.71	2,376.64	-131.72	35.96	-131.72	0.35	0.02	2.65
2,478.00	8.51	164.30	2,467.75	-143.87	39.99	-143.87	1.38	1.09	6.08
2,570.00	8.05	163.58	2,558.79	-156.60	43.65	-156.60	0.51	-0.50	-0.78
2,662.00	7.20	164.26	2,649.97	-168.33	47.03	-168.33	0.93	-0.92	0.74
2,754.00	7.93	162.68	2,741.17	-179.94	50.49	-179.94	0.82	0.79	-1.72
2,845.00	8.84	165.44	2,831.20	-192.70	54.11	-192.70	1.09	1.00	3.03
2,937.00	9.96	163.44	2,921.96	-207.17	58.16	-207.17	1.27	1.22	-2.17
3,028.00	9.65	163.07	3,011.63	-222.01	62.62	-222.01	0.35	-0.34	-0.41
3,120.00	9.03	163.70	3,102.41	-236.32	66.90	-236.32	0.68	-0.67	0.68
3,211.00	8.40	167.96	3,192.36	-249.67	70.29	-249.67	0.99	-0.69	4.68
3,304.00	8.82	163.03	3,284.31	-263.14	73.78	-263.14	0.91	0.45	-5.30
3,395.00	9.75	157.72	3,374.12	-276.94	78.74	-276.94	1.39	1.02	-5.84
3,487.00	9.76	161.98	3,464.79	-291.56	84.11	-291.56	0.78	0.01	4.63
3,578.00	10.46	161.99	3,554.38	-306.75	89.05	-306.75	0.77	0.77	0.01
3,669.00	9.77	162.18	3,643.96	-321.96	93.97	-321.96	0.76	-0.76	0.21
3,761.00	10.04	162.87	3,734.59	-337.06	98.72	-337.06	0.32	0.29	0.75
3,853.00	10.75	161.56	3,825.08	-352.86	103.79	-352.86	0.81	0.77	-1.42
3,945.00	9.37	162.34	3,915.67	-368.14	108.78	-368.14	1.51	-1.50	0.85
4,036.00	9.68	162.09	4,005.41	-382.47	113.38	-382.47	0.34	0.34	-0.27
4,128.00	10.52	162.35	4,095.99	-397.84	118.30	-397.84	0.91	0.91	0.28
4,219.00	9.00	158.07	4,185.67	-412.36	123.48	-412.36	1.85	-1.67	-4.70
4,313.00	9.45	167.32	4,278.46	-426.71	127.92	-426.71	1.65	0.48	9.84
4,407.00	12.13	170.63	4,370.79	-443.98	131.22	-443.98	2.93	2.85	3.52
4,502.00	13.96	169.07	4,463.33	-465.08	135.02	-465.08	1.96	1.93	-1.64
4,596.00	12.24	160.99	4,554.89	-485.64	140.42	-485.64	2.67	-1.83	-8.60

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well NRC 4C-8HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	GL 5049 & KB 25 @ 5074.00ft (H&P 311)
Site:	NRC 13-8HZ PAD	MD Reference:	GL 5049 & KB 25 @ 5074.00ft (H&P 311)
Well:	NRC 4C-8HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,691.00	10.07	154.82	4,648.09	-502.68	147.23	-502.68	2.60	-2.28	-6.49
4,785.00	10.25	159.12	4,740.62	-517.93	153.71	-517.93	0.83	0.19	4.57
4,879.00	12.82	165.51	4,832.72	-535.85	159.30	-535.85	3.05	2.73	6.80
4,973.00	12.87	168.40	4,924.37	-556.20	164.02	-556.20	0.69	0.05	3.07
5,068.00	10.63	165.11	5,017.37	-575.03	168.40	-575.03	2.46	-2.36	-3.46
5,162.00	11.11	164.75	5,109.68	-592.15	173.01	-592.15	0.52	0.51	-0.38
5,257.00	10.19	162.28	5,203.05	-608.99	177.97	-608.99	1.08	-0.97	-2.60
5,351.00	12.41	157.61	5,295.22	-626.25	184.35	-626.25	2.55	2.36	-4.97
5,446.00	11.21	155.92	5,388.21	-644.12	192.01	-644.12	1.31	-1.26	-1.78
5,540.00	11.05	153.98	5,480.44	-660.56	199.69	-660.56	0.43	-0.17	-2.06
5,634.00	11.67	159.43	5,572.60	-677.55	206.98	-677.55	1.32	0.66	5.80
5,729.00	10.55	165.15	5,665.82	-694.96	212.58	-694.96	1.65	-1.18	6.02
5,823.00	10.09	166.06	5,758.30	-711.27	216.77	-711.27	0.52	-0.49	0.97
5,917.00	10.30	161.29	5,850.82	-727.22	221.45	-727.22	0.93	0.22	-5.07
6,012.00	9.76	153.86	5,944.37	-742.49	227.72	-742.49	1.47	-0.57	-7.82
6,106.00	11.62	158.63	6,036.74	-758.46	234.69	-758.46	2.19	1.98	5.07
6,200.00	11.07	159.09	6,128.90	-775.71	241.36	-775.71	0.59	-0.59	0.49
6,295.00	10.77	160.90	6,222.18	-792.61	247.52	-792.61	0.48	-0.32	1.91
6,389.00	11.05	164.28	6,314.48	-809.59	252.83	-809.59	0.74	0.30	3.60
6,483.00	10.74	170.93	6,406.79	-826.91	256.65	-826.91	1.38	-0.33	7.07
6,577.00	11.40	165.94	6,499.04	-844.57	260.29	-844.57	1.24	0.70	-5.31
6,672.00	11.92	164.54	6,592.08	-863.13	265.19	-863.13	0.62	0.55	-1.47
6,766.00	9.85	162.59	6,684.39	-880.16	270.18	-880.16	2.24	-2.20	-2.07
6,860.00	7.60	161.69	6,777.29	-893.74	274.54	-893.74	2.40	-2.39	-0.96
6,955.00	5.93	157.43	6,871.63	-904.23	278.40	-904.23	1.83	-1.76	-4.48
7,002.00	6.84	143.60	6,918.34	-908.73	280.99	-908.73	3.79	1.94	-29.43
7,049.00	9.74	133.15	6,964.85	-913.70	285.55	-913.70	6.93	6.17	-22.23
7,096.00	10.78	133.47	7,011.09	-919.44	291.64	-919.44	2.22	2.21	0.68
7,143.00	11.68	132.77	7,057.19	-925.70	298.32	-925.70	1.94	1.91	-1.49
7,190.00	14.78	100.57	7,103.00	-930.04	307.72	-930.04	16.73	6.60	-68.51
7,238.00	20.38	79.24	7,148.79	-929.60	321.98	-929.60	17.61	11.67	-44.44
7,285.00	22.10	65.69	7,192.62	-924.43	338.09	-924.43	11.04	3.66	-28.83
7,332.00	20.31	47.48	7,236.48	-915.26	352.17	-915.26	14.46	-3.81	-38.74
7,379.00	20.02	28.52	7,280.65	-902.67	362.04	-902.67	13.86	-0.62	-40.34
7,426.00	21.78	15.30	7,324.58	-887.18	368.18	-887.18	10.68	3.74	-28.13
7,473.00	23.98	17.24	7,367.88	-869.64	373.32	-869.64	4.95	4.68	4.13
7,521.00	25.68	13.47	7,411.45	-850.21	378.63	-850.21	4.84	3.54	-7.85
7,568.00	29.45	10.85	7,453.10	-828.95	383.18	-828.95	8.42	8.02	-5.57
7,616.00	35.63	7.46	7,493.55	-803.47	387.22	-803.47	13.42	12.88	-7.06
7,663.00	41.01	5.96	7,530.41	-774.54	390.60	-774.54	11.62	11.45	-3.19
7,710.00	44.89	5.76	7,564.81	-742.69	393.87	-742.69	8.26	8.26	-0.43
7,757.00	47.72	6.48	7,597.27	-708.91	397.50	-708.91	6.12	6.02	1.53
7,804.00	52.13	5.91	7,627.53	-673.16	401.37	-673.16	9.43	9.38	-1.21

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well NRC 4C-8HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	GL 5049 & KB 25 @ 5074.00ft (H&P 311)
Site:	NRC 13-8HZ PAD	MD Reference:	GL 5049 & KB 25 @ 5074.00ft (H&P 311)
Well:	NRC 4C-8HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,851.00	57.37	5.62	7,654.64	-634.98	405.22	-634.98	11.16	11.15	-0.62
7,899.00	62.09	5.36	7,678.83	-593.73	409.18	-593.73	9.84	9.83	-0.54
7,946.00	67.17	4.34	7,698.96	-551.43	412.77	-551.43	10.98	10.81	-2.17
7,993.00	72.25	3.66	7,715.26	-507.47	415.83	-507.47	10.89	10.81	-1.45
8,040.00	76.50	3.78	7,727.91	-462.31	418.77	-462.31	9.05	9.04	0.26
8,088.00	80.00	3.59	7,737.68	-415.42	421.79	-415.42	7.30	7.29	-0.40
8,124.00	83.64	3.24	7,742.81	-379.86	423.91	-379.86	10.16	10.11	-0.97
8,177.00	86.22	2.90	7,747.49	-327.14	426.74	-327.14	4.91	4.87	-0.64
7" (30 FSL 1120 FWL)									
8,209.00	87.78	2.70	7,749.16	-295.23	428.30	-295.23	4.91	4.87	-0.63
8,304.00	88.92	2.85	7,751.90	-200.38	432.90	-200.38	1.21	1.20	0.16
8,398.00	90.74	2.23	7,752.18	-106.48	437.07	-106.48	2.05	1.94	-0.66
8,493.00	91.81	2.21	7,750.06	-11.57	440.74	-11.57	1.13	1.13	-0.02
8,587.00	91.24	1.69	7,747.56	82.34	443.94	82.34	0.82	-0.61	-0.55
8,682.00	90.81	0.59	7,745.86	177.30	445.83	177.30	1.24	-0.45	-1.16
8,776.00	91.48	0.11	7,743.98	271.28	446.41	271.28	0.88	0.71	-0.51
8,870.00	91.21	359.06	7,741.78	365.25	445.72	365.25	1.15	-0.29	-1.12
8,965.00	90.03	359.44	7,740.75	460.24	444.48	460.24	1.30	-1.24	0.40
9,059.00	90.13	358.69	7,740.62	554.22	442.95	554.22	0.80	0.11	-0.80
9,154.00	89.80	357.80	7,740.68	649.18	440.04	649.18	1.00	-0.35	-0.94
9,248.00	89.19	358.41	7,741.51	743.12	436.93	743.12	0.92	-0.65	0.65
9,343.00	90.03	357.87	7,742.15	838.07	433.85	838.07	1.05	0.88	-0.57
9,437.00	90.67	359.97	7,741.58	932.04	432.07	932.04	2.34	0.68	2.23
9,532.00	90.47	358.17	7,740.63	1,027.02	430.53	1,027.02	1.91	-0.21	-1.89
9,626.00	90.24	356.60	7,740.05	1,120.92	426.24	1,120.92	1.69	-0.24	-1.67
9,721.00	89.70	357.05	7,740.10	1,215.77	420.98	1,215.77	0.74	-0.57	0.47
9,815.00	90.23	358.60	7,740.16	1,309.70	417.42	1,309.70	1.74	0.56	1.65
9,909.00	90.07	358.80	7,739.91	1,403.68	415.28	1,403.68	0.27	-0.17	0.21
10,004.00	90.10	0.10	7,739.77	1,498.67	414.37	1,498.67	1.37	0.03	1.37
10,098.00	89.66	0.74	7,739.97	1,592.67	415.06	1,592.67	0.83	-0.47	0.68
10,193.00	90.34	1.95	7,739.97	1,687.64	417.29	1,687.64	1.46	0.72	1.27
10,287.00	90.57	1.23	7,739.22	1,781.60	419.90	1,781.60	0.80	0.24	-0.77
10,382.00	90.67	0.93	7,738.19	1,876.58	421.69	1,876.58	0.33	0.11	-0.32
10,477.00	89.93	1.44	7,737.70	1,971.56	423.65	1,971.56	0.95	-0.78	0.54
10,571.00	90.13	1.16	7,737.65	2,065.53	425.79	2,065.53	0.37	0.21	-0.30
10,665.00	89.63	1.15	7,737.84	2,159.51	427.68	2,159.51	0.53	-0.53	-0.01
10,759.00	90.30	1.12	7,737.90	2,253.49	429.54	2,253.49	0.71	0.71	-0.03
10,854.00	89.33	0.35	7,738.21	2,348.48	430.76	2,348.48	1.30	-1.02	-0.81
10,948.00	89.83	359.66	7,738.90	2,442.48	430.77	2,442.48	0.91	0.53	-0.73
11,042.00	90.30	359.77	7,738.79	2,536.48	430.30	2,536.48	0.51	0.50	0.12
11,137.00	89.36	0.28	7,739.07	2,631.48	430.34	2,631.48	1.13	-0.99	0.54
11,231.00	89.56	359.96	7,739.96	2,725.47	430.54	2,725.47	0.40	0.21	-0.34
11,326.00	89.36	359.24	7,740.85	2,820.46	429.88	2,820.46	0.79	-0.21	-0.76

Company:	US ROCKIES REGION PLANNING	Local Co-ordinate Reference:	Well NRC 4C-8HZ
Project:	COLORADO NORTHERN ZONE - 83	TVD Reference:	GL 5049 & KB 25 @ 5074.00ft (H&P 311)
Site:	NRC 13-8HZ PAD	MD Reference:	GL 5049 & KB 25 @ 5074.00ft (H&P 311)
Well:	NRC 4C-8HZ	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Denver Sales Office

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
11,420.00	89.60	359.57	7,741.71	2,914.45	428.90	2,914.45	0.43	0.26	0.35
11,514.00	89.56	358.49	7,742.39	3,008.44	427.31	3,008.44	1.15	-0.04	-1.15
11,608.00	89.63	359.13	7,743.06	3,102.41	425.36	3,102.41	0.68	0.07	0.68
11,703.00	89.70	0.34	7,743.61	3,197.41	424.92	3,197.41	1.28	0.07	1.27
11,797.00	89.93	0.82	7,743.92	3,291.40	425.87	3,291.40	0.57	0.24	0.51
11,891.00	89.97	359.51	7,744.00	3,385.40	426.14	3,385.40	1.39	0.04	-1.39
11,986.00	90.17	359.10	7,743.88	3,480.39	424.99	3,480.39	0.48	0.21	-0.43
12,080.00	90.30	358.13	7,743.50	3,574.36	422.72	3,574.36	1.04	0.14	-1.03
12,175.00	89.23	359.04	7,743.89	3,669.33	420.37	3,669.33	1.48	-1.13	0.96
12,269.00	89.13	358.85	7,745.23	3,763.31	418.64	3,763.31	0.23	-0.11	-0.20
12,364.00	89.97	359.87	7,745.98	3,858.30	417.58	3,858.30	1.39	0.88	1.07
12,458.00	90.37	359.70	7,745.70	3,952.29	417.23	3,952.29	0.46	0.43	-0.18
12,552.00	91.01	359.49	7,744.57	4,046.29	416.56	4,046.29	0.72	0.68	-0.22
12,646.00	90.07	358.01	7,743.68	4,140.25	414.51	4,140.25	1.87	-1.00	-1.57
12,741.00	89.56	355.90	7,743.99	4,235.11	409.46	4,235.11	2.28	-0.54	-2.22
12,835.00	90.37	357.14	7,744.05	4,328.94	403.76	4,328.94	1.58	0.86	1.32
12,882.00	90.60	357.07	7,743.65	4,375.88	401.39	4,375.88	0.51	0.49	-0.15
LAST SDI MWD PRODUCTION SURVEY									
12,951.00	90.60	357.07	7,742.93	4,444.78	397.86	4,444.78	0.00	0.00	0.00
SDI PROJECTION TO TD									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
1,248.00	1,247.97	9 5/8"	9.625	12.250	
8,177.00	7,747.49	7" (30 FSL 1120 FWL)	7.000	7.500	

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
100.00	100.00	-0.58	0.39	FIRST GYRO SURFACE SURVEY	
1,127.00	1,126.97	-0.44	-0.54	LAST GYRO SURFACE SURVEY	
1,358.00	1,357.94	-2.93	-0.48	FIRST SDI MWD PRODUCTION SURVEY	
12,882.00	7,743.65	4,375.88	401.39	LAST SDI MWD PRODUCTION SURVEY	
12,951.00	7,742.93	4,444.78	397.86	SDI PROJECTION TO TD	

Checked By: _____ Approved By: _____ Date: _____