

# **SandRidge Energy**

**North Park Basin**

**T7N-R80W-S9**

**Mutual 0780 8-8H**

**Wellbore #1**

**Plan: Design #1**

## **Standard Survey Report**

**18 May, 2016**

# SandRidge Energy

## Survey Report

<b>Company:</b>	SandRidge Energy	<b>Local Co-ordinate Reference:</b>	Well Mutual 0780 8-8H
<b>Project:</b>	North Park Basin	<b>TVD Reference:</b>	WELL @ 8134.0usft (Original Well Elev)
<b>Site:</b>	T7N-R80W-S9	<b>MD Reference:</b>	WELL @ 8134.0usft (Original Well Elev)
<b>Well:</b>	Mutual 0780 8-8H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #1	<b>Database:</b>	EDMProd

<b>Project</b>	North Park Basin		
<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 Northern Zone		

<b>Site</b>	T7N-R80W-S9		
<b>Site Position:</b>		<b>Northing:</b>	1,457,270.18 usft
<b>From:</b>	Map	<b>Easting:</b>	2,753,429.57 usft
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "
		<b>Latitude:</b>	40° 35' 6.782 N
		<b>Longitude:</b>	106° 23' 15.932 W
		<b>Grid Convergence:</b>	-0.57 °

<b>Well</b>	Mutual 0780 8-8H		
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>
<b>Position Uncertainty</b>	0.0 usft	<b>Wellhead Elevation:</b>	0.0 usft
		<b>Latitude:</b>	40° 35' 10.061 N
		<b>Longitude:</b>	106° 23' 14.142 W
		<b>Ground Level:</b>	8,118.0 usft

<b>Wellbore</b>	Wellbore #1		
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>
			(°)
	IGRF200510	12/31/2009	9.88
			<b>Dip Angle</b>
			(°)
			66.98
			<b>Field Strength</b>
			(nT)
			53,192

<b>Design</b>	Design #1		
<b>Audit Notes:</b>			
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>
			0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			<b>Direction</b>
			(°)
			0.00

<b>Survey Tool Program</b>	<b>Date</b>	5/18/2016		
<b>From</b>	<b>To</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
(usft)	(usft)			
0.0	12,864.4	Design #1 (Wellbore #1)	Sperry MWD	Fixed:v2:standard declination

<b>Planned Survey</b>									
<b>Measured</b>	<b>Inclination</b>	<b>Azimuth</b>	<b>Vertical</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Vertical</b>	<b>Dogleg</b>	<b>Build</b>	<b>Turn</b>
<b>Depth</b>	(°)	(°)	<b>Depth</b>	<b>(usft)</b>	<b>(usft)</b>	<b>Section</b>	<b>Rate</b>	<b>Rate</b>	<b>Rate</b>
<b>(usft)</b>			<b>(usft)</b>			<b>(usft)</b>	<b>(°/100usft)</b>	<b>(°/100usft)</b>	<b>(°/100usft)</b>
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00

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<b>Project:</b>	North Park Basin	<b>TVD Reference:</b>	WELL @ 8134.0usft (Original Well Elev)
<b>Site:</b>	T7N-R80W-S9	<b>MD Reference:</b>	WELL @ 8134.0usft (Original Well Elev)
<b>Well:</b>	Mutual 0780 8-8H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #1	<b>Database:</b>	EDMProd

### Planned 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)
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Start Build 2.00</b>									
3,900.0	2.00	227.26	3,900.0	-1.2	-1.3	-1.2	2.00	2.00	0.00
4,000.0	4.00	227.26	3,999.8	-4.7	-5.1	-4.7	2.00	2.00	0.00
4,100.0	6.00	227.26	4,099.5	-10.7	-11.5	-10.7	2.00	2.00	0.00
4,200.0	8.00	227.26	4,198.7	-18.9	-20.5	-18.9	2.00	2.00	0.00
4,300.0	10.00	227.26	4,297.5	-29.5	-32.0	-29.5	2.00	2.00	0.00
4,400.0	12.00	227.26	4,395.6	-42.5	-46.0	-42.5	2.00	2.00	0.00
4,427.3	12.55	227.26	4,422.3	-46.4	-50.2	-46.4	2.00	2.00	0.00
<b>Start 2737.4 hold at 4427.3 MD</b>									
4,500.0	12.55	227.26	4,493.3	-57.1	-61.8	-57.1	0.00	0.00	0.00
4,600.0	12.55	227.26	4,590.9	-71.9	-77.8	-71.9	0.00	0.00	0.00
4,700.0	12.55	227.26	4,688.5	-86.6	-93.7	-86.6	0.00	0.00	0.00
4,800.0	12.55	227.26	4,786.1	-101.4	-109.7	-101.4	0.00	0.00	0.00
4,900.0	12.55	227.26	4,883.7	-116.1	-125.7	-116.1	0.00	0.00	0.00
5,000.0	12.55	227.26	4,981.3	-130.9	-141.6	-130.9	0.00	0.00	0.00

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<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #1	<b>Database:</b>	EDMProd

### Planned 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)
5,100.0	12.55	227.26	5,078.9	-145.6	-157.6	-145.6	0.00	0.00	0.00
5,200.0	12.55	227.26	5,176.5	-160.3	-173.5	-160.3	0.00	0.00	0.00
5,300.0	12.55	227.26	5,274.2	-175.1	-189.5	-175.1	0.00	0.00	0.00
5,400.0	12.55	227.26	5,371.8	-189.8	-205.4	-189.8	0.00	0.00	0.00
5,500.0	12.55	227.26	5,469.4	-204.6	-221.4	-204.6	0.00	0.00	0.00
5,600.0	12.55	227.26	5,567.0	-219.3	-237.3	-219.3	0.00	0.00	0.00
5,700.0	12.55	227.26	5,664.6	-234.1	-253.3	-234.1	0.00	0.00	0.00
5,800.0	12.55	227.26	5,762.2	-248.8	-269.3	-248.8	0.00	0.00	0.00
5,900.0	12.55	227.26	5,859.8	-263.5	-285.2	-263.5	0.00	0.00	0.00
6,000.0	12.55	227.26	5,957.4	-278.3	-301.2	-278.3	0.00	0.00	0.00
6,100.0	12.55	227.26	6,055.1	-293.0	-317.1	-293.0	0.00	0.00	0.00
6,200.0	12.55	227.26	6,152.7	-307.8	-333.1	-307.8	0.00	0.00	0.00
6,300.0	12.55	227.26	6,250.3	-322.5	-349.0	-322.5	0.00	0.00	0.00
6,400.0	12.55	227.26	6,347.9	-337.3	-365.0	-337.3	0.00	0.00	0.00
6,500.0	12.55	227.26	6,445.5	-352.0	-380.9	-352.0	0.00	0.00	0.00
6,600.0	12.55	227.26	6,543.1	-366.7	-396.9	-366.7	0.00	0.00	0.00
6,700.0	12.55	227.26	6,640.7	-381.5	-412.8	-381.5	0.00	0.00	0.00
6,800.0	12.55	227.26	6,738.3	-396.2	-428.8	-396.2	0.00	0.00	0.00
6,900.0	12.55	227.26	6,836.0	-411.0	-444.8	-411.0	0.00	0.00	0.00
7,000.0	12.55	227.26	6,933.6	-425.7	-460.7	-425.7	0.00	0.00	0.00
7,100.0	12.55	227.26	7,031.2	-440.5	-476.7	-440.5	0.00	0.00	0.00
7,164.8	12.55	227.26	7,094.4	-450.0	-487.0	-450.0	0.00	0.00	0.00
<b>Start DLS 8.00 TFO 137.88</b>									
7,200.0	10.62	237.57	7,128.9	-454.3	-492.6	-454.3	8.00	-5.46	29.25
7,250.0	8.76	258.80	7,178.2	-457.6	-500.2	-457.6	8.00	-3.73	42.47
7,290.2	8.40	280.37	7,218.0	-457.6	-506.1	-457.6	8.00	-0.88	53.62
<b>Niobrara</b>									
7,300.0	8.50	285.65	7,227.7	-457.3	-507.5	-457.3	8.00	0.99	54.03
7,350.0	9.98	309.02	7,277.0	-453.6	-514.4	-453.6	8.00	2.96	46.74
7,400.0	12.60	324.61	7,326.1	-446.4	-520.9	-446.4	8.00	5.24	31.19
7,450.0	15.80	334.47	7,374.5	-435.8	-527.0	-435.8	8.00	6.40	19.70
7,500.0	19.30	340.95	7,422.2	-421.8	-532.7	-421.8	8.00	6.99	12.97
7,550.0	22.95	345.48	7,468.9	-404.6	-537.8	-404.6	8.00	7.31	9.05
7,600.0	26.70	348.80	7,514.2	-384.1	-542.4	-384.1	8.00	7.50	6.65
7,650.0	30.51	351.36	7,558.1	-360.5	-546.5	-360.5	8.00	7.62	5.11
7,700.0	34.36	353.39	7,600.3	-334.0	-550.1	-334.0	8.00	7.70	4.07
7,750.0	38.24	355.06	7,640.6	-304.5	-553.0	-304.5	8.00	7.75	3.33
7,800.0	42.13	356.46	7,678.8	-272.4	-555.4	-272.4	8.00	7.79	2.81
7,850.0	46.04	357.66	7,714.7	-237.6	-557.2	-237.6	8.00	7.82	2.41
7,900.0	49.97	358.72	7,748.1	-200.5	-558.3	-200.5	8.00	7.84	2.11
7,950.0	53.90	359.66	7,779.0	-161.1	-558.9	-161.1	8.00	7.86	1.88
8,000.0	57.83	0.51	7,807.0	-119.8	-558.8	-119.8	8.00	7.87	1.70
8,027.5	60.00	0.95	7,821.2	-96.2	-558.5	-96.2	8.00	7.88	1.59
<b>Start 150.0 hold at 8027.5 MD</b>									

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<b>Site:</b>	T7N-R80W-S9	<b>MD Reference:</b>	WELL @ 8134.0usft (Original Well Elev)
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<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #1	<b>Database:</b>	EDMPProd

### Planned 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)
8,100.0	60.00	0.95	7,857.5	-33.4	-557.4	-33.4	0.00	0.00	0.00
8,177.5	60.00	0.95	7,896.2	33.6	-556.3	33.6	0.00	0.00	0.00
<b>Start DLS 10.00 TFO 0.00</b>									
8,200.0	62.25	0.95	7,907.1	53.4	-556.0	53.4	10.00	10.00	0.00
8,250.0	67.25	0.95	7,928.4	98.6	-555.3	98.6	10.00	10.00	0.00
8,300.0	72.25	0.95	7,945.7	145.5	-554.5	145.5	10.00	10.00	0.00
8,350.0	77.25	0.95	7,958.8	193.7	-553.7	193.7	10.00	10.00	0.00
8,400.0	82.25	0.95	7,967.7	242.9	-552.9	242.9	10.00	10.00	0.00
8,450.0	87.25	0.95	7,972.3	292.6	-552.0	292.6	10.00	10.00	0.00
8,477.5	90.00	0.95	7,973.0	320.1	-551.6	320.1	10.00	10.00	0.00
<b>Start 4387.3 hold at 8477.5 MD</b>									
8,500.0	90.00	0.95	7,973.0	342.6	-551.2	342.6	0.00	0.00	0.00
8,600.0	90.00	0.95	7,973.0	442.6	-549.6	442.6	0.00	0.00	0.00
8,700.0	90.00	0.95	7,973.0	542.6	-547.9	542.6	0.00	0.00	0.00
8,800.0	90.00	0.95	7,973.0	642.6	-546.2	642.6	0.00	0.00	0.00
8,900.0	90.00	0.95	7,973.0	742.6	-544.6	742.6	0.00	0.00	0.00
9,000.0	90.00	0.95	7,973.0	842.5	-542.9	842.5	0.00	0.00	0.00
9,100.0	90.00	0.95	7,973.0	942.5	-541.3	942.5	0.00	0.00	0.00
9,200.0	90.00	0.95	7,973.0	1,042.5	-539.6	1,042.5	0.00	0.00	0.00
9,300.0	90.00	0.95	7,973.0	1,142.5	-537.9	1,142.5	0.00	0.00	0.00
9,400.0	90.00	0.95	7,973.0	1,242.5	-536.3	1,242.5	0.00	0.00	0.00
9,500.0	90.00	0.95	7,973.0	1,342.5	-534.6	1,342.5	0.00	0.00	0.00
9,600.0	90.00	0.95	7,973.0	1,442.5	-533.0	1,442.5	0.00	0.00	0.00
9,700.0	90.00	0.95	7,973.0	1,542.4	-531.3	1,542.4	0.00	0.00	0.00
9,800.0	90.00	0.95	7,973.0	1,642.4	-529.7	1,642.4	0.00	0.00	0.00
9,900.0	90.00	0.95	7,973.0	1,742.4	-528.0	1,742.4	0.00	0.00	0.00
10,000.0	90.00	0.95	7,973.0	1,842.4	-526.3	1,842.4	0.00	0.00	0.00
10,100.0	90.00	0.95	7,973.0	1,942.4	-524.7	1,942.4	0.00	0.00	0.00
10,200.0	90.00	0.95	7,973.0	2,042.4	-523.0	2,042.4	0.00	0.00	0.00
10,300.0	90.00	0.95	7,973.0	2,142.4	-521.4	2,142.4	0.00	0.00	0.00
10,400.0	90.00	0.95	7,973.0	2,242.4	-519.7	2,242.4	0.00	0.00	0.00
10,500.0	90.00	0.95	7,973.0	2,342.3	-518.1	2,342.3	0.00	0.00	0.00
10,600.0	90.00	0.95	7,973.0	2,442.3	-516.4	2,442.3	0.00	0.00	0.00
10,700.0	90.00	0.95	7,973.0	2,542.3	-514.7	2,542.3	0.00	0.00	0.00
10,800.0	90.00	0.95	7,973.0	2,642.3	-513.1	2,642.3	0.00	0.00	0.00
10,900.0	90.00	0.95	7,973.0	2,742.3	-511.4	2,742.3	0.00	0.00	0.00
11,000.0	90.00	0.95	7,973.0	2,842.3	-509.8	2,842.3	0.00	0.00	0.00
11,100.0	90.00	0.95	7,973.0	2,942.3	-508.1	2,942.3	0.00	0.00	0.00
11,200.0	90.00	0.95	7,973.0	3,042.2	-506.4	3,042.2	0.00	0.00	0.00
11,300.0	90.00	0.95	7,973.0	3,142.2	-504.8	3,142.2	0.00	0.00	0.00
11,400.0	90.00	0.95	7,973.0	3,242.2	-503.1	3,242.2	0.00	0.00	0.00
11,500.0	90.00	0.95	7,973.0	3,342.2	-501.5	3,342.2	0.00	0.00	0.00
11,600.0	90.00	0.95	7,973.0	3,442.2	-499.8	3,442.2	0.00	0.00	0.00
11,700.0	90.00	0.95	7,973.0	3,542.2	-498.2	3,542.2	0.00	0.00	0.00

# SandRidge Energy

## Survey Report

<b>Company:</b>	SandRidge Energy	<b>Local Co-ordinate Reference:</b>	Well Mutual 0780 8-8H
<b>Project:</b>	North Park Basin	<b>TVD Reference:</b>	WELL @ 8134.0usft (Original Well Elev)
<b>Site:</b>	T7N-R80W-S9	<b>MD Reference:</b>	WELL @ 8134.0usft (Original Well Elev)
<b>Well:</b>	Mutual 0780 8-8H	<b>North Reference:</b>	Grid
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #1	<b>Database:</b>	EDMProd

### Planned 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)
11,800.0	90.00	0.95	7,973.0	3,642.2	-496.5	3,642.2	0.00	0.00	0.00
11,900.0	90.00	0.95	7,973.0	3,742.1	-494.8	3,742.1	0.00	0.00	0.00
12,000.0	90.00	0.95	7,973.0	3,842.1	-493.2	3,842.1	0.00	0.00	0.00
12,100.0	90.00	0.95	7,973.0	3,942.1	-491.5	3,942.1	0.00	0.00	0.00
12,200.0	90.00	0.95	7,973.0	4,042.1	-489.9	4,042.1	0.00	0.00	0.00
12,300.0	90.00	0.95	7,973.0	4,142.1	-488.2	4,142.1	0.00	0.00	0.00
12,400.0	90.00	0.95	7,973.0	4,242.1	-486.5	4,242.1	0.00	0.00	0.00
12,500.0	90.00	0.95	7,973.0	4,342.1	-484.9	4,342.1	0.00	0.00	0.00
12,600.0	90.00	0.95	7,973.0	4,442.1	-483.2	4,442.1	0.00	0.00	0.00
12,700.0	90.00	0.95	7,973.0	4,542.0	-481.6	4,542.0	0.00	0.00	0.00
12,800.0	90.00	0.95	7,973.0	4,642.0	-479.9	4,642.0	0.00	0.00	0.00
12,864.8	90.00	0.95	7,973.0	4,706.8	-478.8	4,706.8	0.00	0.00	0.00
TD at 12864.8									

### Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
Mutual 8-8H	0.00	360.00	7,973.0	4,706.8	-458.8	1,462,307.49	2,753,112.23	40° 35' 56.524 N	106° 23' 20.700 W
- plan misses target center by 20.0usft at 12864.8usft MD (7973.0 TVD, 4706.8 N, -478.8 E)									
- Point									

### Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
7,615.5	7,528.0	Niobrara		0.00	

### Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3800	3800	0	0	Start Build 2.00
4427	4422	-46	-50	Start 2737.4 hold at 4427.3 MD
7165	7094	-450	-487	Start DLS 8.00 TFO 137.88
8027	7821	-96	-558	Start 150.0 hold at 8027.5 MD
8177	7896	34	-556	Start DLS 10.00 TFO 0.00
8477	7973	320	-552	Start 4387.3 hold at 8477.5 MD
12,865	7973	4707	-479	TD at 12864.8

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