

SandRidge Energy

North Park Basin

T7N-R80W-S9

Mutual 0780 6-8H

Wellbore #1

Plan: Design #1

Standard Survey Report

18 May, 2016

SandRidge Energy

Survey Report

Company: SandRidge Energy	Local Co-ordinate Reference: Well Mutual 0780 6-8H
Project: North Park Basin	TVD Reference: WELL @ 8134.0usft (Original Well Elev)
Site: T7N-R80W-S9	MD Reference: WELL @ 8134.0usft (Original Well Elev)
Well: Mutual 0780 6-8H	North Reference: Grid
Wellbore: Wellbore #1	Survey Calculation Method: Minimum Curvature
Design: Design #1	Database: EDMProd

Project North Park Basin		
Map System: US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum: North American Datum 1983		
Map Zone: Colorado Northern Zone		

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

Well Mutual 0780 6-8H			
Well Position	+N/-S 0.0 usft	Northing: 1,457,573.87 usft	Latitude: 40° 35' 9.795 N
	+E/-W 0.0 usft	Easting: 2,753,557.05 usft	Longitude: 106° 23' 14.320 W
Position Uncertainty	0.0 usft	Wellhead Elevation: 0.0 usft	Ground Level: 8,118.0 usft

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

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

Survey Tool Program		Date 5/18/2016
From (usft)	To (usft)	Survey (Wellbore)
0.0	13,159.0	Design #1 (Wellbore #1)
		Tool Name Sperry MWD
		Description Fixed:v2:standard declination

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)	
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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Site:	T7N-R80W-S9	MD Reference:	WELL @ 8134.0usft (Original Well Elev)
Well:	Mutual 0780 6-8H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	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	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	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	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	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	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	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	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	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	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	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	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	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	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	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	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	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	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	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	0.00
Start Build 2.00										
2,900.0	2.00	250.71	2,900.0	-0.6	-1.6	-0.6	2.00	2.00	0.00	0.00
3,000.0	4.00	250.71	2,999.8	-2.3	-6.6	-2.3	2.00	2.00	0.00	0.00
3,100.0	6.00	250.71	3,099.5	-5.2	-14.8	-5.2	2.00	2.00	0.00	0.00
3,200.0	8.00	250.71	3,198.7	-9.2	-26.3	-9.2	2.00	2.00	0.00	0.00
3,300.0	10.00	250.71	3,297.5	-14.4	-41.1	-14.4	2.00	2.00	0.00	0.00
3,400.0	12.00	250.71	3,395.6	-20.7	-59.1	-20.7	2.00	2.00	0.00	0.00
3,500.0	14.00	250.71	3,493.1	-28.1	-80.3	-28.1	2.00	2.00	0.00	0.00
3,534.4	14.69	250.71	3,526.4	-30.9	-88.4	-30.9	2.00	2.00	0.00	0.00
Start 3809.4 hold at 3534.4 MD										
3,600.0	14.69	250.71	3,589.8	-36.4	-104.1	-36.4	0.00	0.00	0.00	0.00
3,700.0	14.69	250.71	3,686.6	-44.8	-128.0	-44.8	0.00	0.00	0.00	0.00
3,800.0	14.69	250.71	3,783.3	-53.2	-151.9	-53.2	0.00	0.00	0.00	0.00
3,900.0	14.69	250.71	3,880.0	-61.5	-175.9	-61.5	0.00	0.00	0.00	0.00
4,000.0	14.69	250.71	3,976.8	-69.9	-199.8	-69.9	0.00	0.00	0.00	0.00
4,100.0	14.69	250.71	4,073.5	-78.3	-223.7	-78.3	0.00	0.00	0.00	0.00
4,200.0	14.69	250.71	4,170.2	-86.7	-247.6	-86.7	0.00	0.00	0.00	0.00
4,300.0	14.69	250.71	4,267.0	-95.1	-271.6	-95.1	0.00	0.00	0.00	0.00
4,400.0	14.69	250.71	4,363.7	-103.4	-295.5	-103.4	0.00	0.00	0.00	0.00
4,500.0	14.69	250.71	4,460.4	-111.8	-319.4	-111.8	0.00	0.00	0.00	0.00
4,600.0	14.69	250.71	4,557.2	-120.2	-343.4	-120.2	0.00	0.00	0.00	0.00
4,700.0	14.69	250.71	4,653.9	-128.6	-367.3	-128.6	0.00	0.00	0.00	0.00
4,800.0	14.69	250.71	4,750.6	-136.9	-391.2	-136.9	0.00	0.00	0.00	0.00
4,900.0	14.69	250.71	4,847.4	-145.3	-415.2	-145.3	0.00	0.00	0.00	0.00
5,000.0	14.69	250.71	4,944.1	-153.7	-439.1	-153.7	0.00	0.00	0.00	0.00

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDMProd

Planned Survey										
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5,100.0	14.69	250.71	5,040.8	-162.1	-463.0	-162.1	0.00	0.00	0.00	
5,200.0	14.69	250.71	5,137.6	-170.4	-487.0	-170.4	0.00	0.00	0.00	
5,300.0	14.69	250.71	5,234.3	-178.8	-510.9	-178.8	0.00	0.00	0.00	
5,400.0	14.69	250.71	5,331.0	-187.2	-534.8	-187.2	0.00	0.00	0.00	
5,500.0	14.69	250.71	5,427.8	-195.6	-558.8	-195.6	0.00	0.00	0.00	
5,600.0	14.69	250.71	5,524.5	-203.9	-582.7	-203.9	0.00	0.00	0.00	
5,700.0	14.69	250.71	5,621.2	-212.3	-606.6	-212.3	0.00	0.00	0.00	
5,800.0	14.69	250.71	5,717.9	-220.7	-630.5	-220.7	0.00	0.00	0.00	
5,900.0	14.69	250.71	5,814.7	-229.1	-654.5	-229.1	0.00	0.00	0.00	
6,000.0	14.69	250.71	5,911.4	-237.4	-678.4	-237.4	0.00	0.00	0.00	
6,100.0	14.69	250.71	6,008.1	-245.8	-702.3	-245.8	0.00	0.00	0.00	
6,200.0	14.69	250.71	6,104.9	-254.2	-726.3	-254.2	0.00	0.00	0.00	
6,300.0	14.69	250.71	6,201.6	-262.6	-750.2	-262.6	0.00	0.00	0.00	
6,400.0	14.69	250.71	6,298.3	-270.9	-774.1	-270.9	0.00	0.00	0.00	
6,500.0	14.69	250.71	6,395.1	-279.3	-798.1	-279.3	0.00	0.00	0.00	
6,600.0	14.69	250.71	6,491.8	-287.7	-822.0	-287.7	0.00	0.00	0.00	
6,700.0	14.69	250.71	6,588.5	-296.1	-845.9	-296.1	0.00	0.00	0.00	
6,800.0	14.69	250.71	6,685.3	-304.5	-869.9	-304.5	0.00	0.00	0.00	
6,900.0	14.69	250.71	6,782.0	-312.8	-893.8	-312.8	0.00	0.00	0.00	
7,000.0	14.69	250.71	6,878.7	-321.2	-917.7	-321.2	0.00	0.00	0.00	
7,100.0	14.69	250.71	6,975.5	-329.6	-941.7	-329.6	0.00	0.00	0.00	
7,200.0	14.69	250.71	7,072.2	-338.0	-965.6	-338.0	0.00	0.00	0.00	
7,300.0	14.69	250.71	7,168.9	-346.3	-989.5	-346.3	0.00	0.00	0.00	
7,343.8	14.69	250.71	7,211.3	-350.0	-1,000.0	-350.0	0.00	0.00	0.00	
Start DLS 8.00 TFO 52.14										
7,350.0	15.00	252.22	7,217.3	-350.5	-1,001.5	-350.5	8.00	4.99	24.41	
7,350.7	15.03	252.40	7,218.0	-350.6	-1,001.7	-350.6	8.00	5.08	23.86	
Niobrara										
7,400.0	17.80	262.39	7,265.3	-353.5	-1,015.2	-353.5	8.00	5.61	20.29	
7,450.0	20.98	269.73	7,312.4	-354.5	-1,031.8	-354.5	8.00	6.36	14.66	
7,500.0	24.39	275.14	7,358.6	-353.7	-1,051.0	-353.7	8.00	6.83	10.84	
7,550.0	27.95	279.28	7,403.4	-350.8	-1,072.9	-350.8	8.00	7.12	8.27	
7,600.0	31.61	282.54	7,446.8	-346.1	-1,097.2	-346.1	8.00	7.32	6.52	
7,650.0	35.34	285.18	7,488.5	-339.5	-1,124.0	-339.5	8.00	7.45	5.28	
7,700.0	39.11	287.37	7,528.3	-331.0	-1,153.0	-331.0	8.00	7.55	4.39	
7,750.0	42.92	289.23	7,566.0	-320.7	-1,184.2	-320.7	8.00	7.62	3.73	
7,800.0	46.76	290.85	7,601.5	-308.6	-1,217.3	-308.6	8.00	7.67	3.23	
7,850.0	50.61	292.27	7,634.5	-294.8	-1,252.2	-294.8	8.00	7.71	2.84	
7,900.0	54.48	293.54	7,664.9	-279.3	-1,288.7	-279.3	8.00	7.74	2.54	
7,950.0	58.37	294.69	7,692.5	-262.3	-1,326.7	-262.3	8.00	7.77	2.31	
7,971.0	60.00	295.15	7,703.3	-254.7	-1,343.1	-254.7	8.00	7.78	2.17	
Start 150.0 hold at 7971.0 MD										
8,000.0	60.00	295.15	7,717.8	-244.0	-1,365.8	-244.0	0.00	0.00	0.00	
8,100.0	60.00	295.15	7,767.8	-207.2	-1,444.2	-207.2	0.00	0.00	0.00	

SandRidge Energy

Survey Report

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Project:	North Park Basin	TVD Reference:	WELL @ 8134.0usft (Original Well Elev)
Site:	T7N-R80W-S9	MD Reference:	WELL @ 8134.0usft (Original Well Elev)
Well:	Mutual 0780 6-8H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	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)
8,121.0	60.00	295.15	7,778.3	-199.5	-1,460.7	-199.5	0.00	0.00	0.00
Start DLS 10.00 TFO 76.79									
8,150.0	60.70	298.39	7,792.7	-188.1	-1,483.2	-188.1	10.00	2.42	11.16
8,200.0	62.09	303.86	7,816.6	-165.4	-1,520.7	-165.4	10.00	2.78	10.94
8,250.0	63.69	309.18	7,839.4	-138.9	-1,556.5	-138.9	10.00	3.20	10.64
8,300.0	65.48	314.35	7,860.9	-108.9	-1,590.1	-108.9	10.00	3.58	10.34
8,350.0	67.44	319.37	7,880.8	-75.4	-1,621.5	-75.4	10.00	3.92	10.03
8,400.0	69.56	324.24	7,899.2	-38.9	-1,650.2	-38.9	10.00	4.23	9.74
8,450.0	71.80	328.97	7,915.7	0.5	-1,676.1	0.5	10.00	4.49	9.47
8,500.0	74.16	333.59	7,930.4	42.4	-1,699.1	42.4	10.00	4.71	9.22
8,550.0	76.61	338.09	7,943.0	86.6	-1,718.9	86.6	10.00	4.91	9.01
8,600.0	79.14	342.50	7,953.5	132.6	-1,735.4	132.6	10.00	5.06	8.82
8,650.0	81.73	346.84	7,961.8	180.1	-1,748.4	180.1	10.00	5.18	8.67
8,700.0	84.37	351.12	7,967.9	228.8	-1,757.9	228.8	10.00	5.28	8.56
8,750.0	87.04	355.36	7,971.6	278.3	-1,763.7	278.3	10.00	5.34	8.48
8,800.0	89.73	359.58	7,973.0	328.2	-1,765.9	328.2	10.00	5.37	8.44
8,805.1	90.00	0.00	7,973.0	333.3	-1,766.0	333.3	10.00	5.38	8.43
Start 4354.3 hold at 8805.1 MD									
8,900.0	90.00	0.00	7,973.0	428.2	-1,765.9	428.2	0.00	0.00	0.00
9,000.0	90.00	0.00	7,973.0	528.2	-1,765.9	528.2	0.00	0.00	0.00
9,100.0	90.00	0.00	7,973.0	628.2	-1,765.9	628.2	0.00	0.00	0.00
9,200.0	90.00	0.00	7,973.0	728.2	-1,765.9	728.2	0.00	0.00	0.00
9,300.0	90.00	0.00	7,973.0	828.2	-1,765.9	828.2	0.00	0.00	0.00
9,400.0	90.00	0.00	7,973.0	928.2	-1,765.9	928.2	0.00	0.00	0.00
9,500.0	90.00	0.00	7,973.0	1,028.2	-1,765.9	1,028.2	0.00	0.00	0.00
9,600.0	90.00	0.00	7,973.0	1,128.2	-1,765.9	1,128.2	0.00	0.00	0.00
9,700.0	90.00	0.00	7,973.0	1,228.2	-1,765.9	1,228.2	0.00	0.00	0.00
9,800.0	90.00	0.00	7,973.0	1,328.2	-1,765.9	1,328.2	0.00	0.00	0.00
9,900.0	90.00	0.00	7,973.0	1,428.2	-1,765.9	1,428.2	0.00	0.00	0.00
10,000.0	90.00	0.00	7,973.0	1,528.2	-1,765.9	1,528.2	0.00	0.00	0.00
10,100.0	90.00	0.00	7,973.0	1,628.2	-1,765.9	1,628.2	0.00	0.00	0.00
10,200.0	90.00	0.00	7,973.0	1,728.2	-1,765.9	1,728.2	0.00	0.00	0.00
10,300.0	90.00	0.00	7,973.0	1,828.2	-1,765.9	1,828.2	0.00	0.00	0.00
10,400.0	90.00	0.00	7,973.0	1,928.2	-1,765.9	1,928.2	0.00	0.00	0.00
10,500.0	90.00	0.00	7,973.0	2,028.2	-1,765.9	2,028.2	0.00	0.00	0.00
10,600.0	90.00	0.00	7,973.0	2,128.2	-1,765.9	2,128.2	0.00	0.00	0.00
10,700.0	90.00	0.00	7,973.0	2,228.2	-1,765.9	2,228.2	0.00	0.00	0.00
10,800.0	90.00	0.00	7,973.0	2,328.2	-1,765.9	2,328.2	0.00	0.00	0.00
10,900.0	90.00	0.00	7,973.0	2,428.2	-1,765.9	2,428.2	0.00	0.00	0.00
11,000.0	90.00	0.00	7,973.0	2,528.2	-1,765.9	2,528.2	0.00	0.00	0.00
11,100.0	90.00	0.00	7,973.0	2,628.2	-1,765.9	2,628.2	0.00	0.00	0.00
11,200.0	90.00	0.00	7,973.0	2,728.2	-1,765.9	2,728.2	0.00	0.00	0.00
11,300.0	90.00	0.00	7,973.0	2,828.2	-1,765.9	2,828.2	0.00	0.00	0.00
11,400.0	90.00	0.00	7,973.0	2,928.2	-1,765.9	2,928.2	0.00	0.00	0.00

SandRidge Energy

Survey Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well Mutual 0780 6-8H
Project:	North Park Basin	TVD Reference:	WELL @ 8134.0usft (Original Well Elev)
Site:	T7N-R80W-S9	MD Reference:	WELL @ 8134.0usft (Original Well Elev)
Well:	Mutual 0780 6-8H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	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)	
11,500.0	90.00	0.00	7,973.0	3,028.2	-1,765.9	3,028.2	0.00	0.00	0.00	
11,600.0	90.00	0.00	7,973.0	3,128.2	-1,765.9	3,128.2	0.00	0.00	0.00	
11,700.0	90.00	0.00	7,973.0	3,228.2	-1,765.9	3,228.2	0.00	0.00	0.00	
11,800.0	90.00	0.00	7,973.0	3,328.2	-1,765.8	3,328.2	0.00	0.00	0.00	
11,900.0	90.00	0.00	7,973.0	3,428.2	-1,765.8	3,428.2	0.00	0.00	0.00	
12,000.0	90.00	0.00	7,973.0	3,528.2	-1,765.8	3,528.2	0.00	0.00	0.00	
12,100.0	90.00	0.00	7,973.0	3,628.2	-1,765.8	3,628.2	0.00	0.00	0.00	
12,200.0	90.00	0.00	7,973.0	3,728.2	-1,765.8	3,728.2	0.00	0.00	0.00	
12,300.0	90.00	0.00	7,973.0	3,828.2	-1,765.8	3,828.2	0.00	0.00	0.00	
12,400.0	90.00	0.00	7,973.0	3,928.2	-1,765.8	3,928.2	0.00	0.00	0.00	
12,500.0	90.00	0.00	7,973.0	4,028.2	-1,765.8	4,028.2	0.00	0.00	0.00	
12,600.0	90.00	0.00	7,973.0	4,128.2	-1,765.8	4,128.2	0.00	0.00	0.00	
12,700.0	90.00	0.00	7,973.0	4,228.2	-1,765.8	4,228.2	0.00	0.00	0.00	
12,800.0	90.00	0.00	7,973.0	4,328.2	-1,765.8	4,328.2	0.00	0.00	0.00	
12,900.0	90.00	0.00	7,973.0	4,428.2	-1,765.8	4,428.2	0.00	0.00	0.00	
13,000.0	90.00	0.00	7,973.0	4,528.2	-1,765.8	4,528.2	0.00	0.00	0.00	
13,100.0	90.00	0.00	7,973.0	4,628.2	-1,765.8	4,628.2	0.00	0.00	0.00	
13,159.3	90.00	0.00	7,973.0	4,687.6	-1,765.8	4,687.6	0.00	0.00	0.00	
TD at 13159.3										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Mutual 6-8H - hit/miss target - Shape - Point	0.00	360.00	7,973.0	4,687.6	-1,765.8	1,462,261.44	2,751,791.25	40° 35' 55.938 N	106° 23' 37.818 W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,699.6	7,528.0	Niobrara		0.00		

SandRidge Energy

Survey Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well Mutual 0780 6-8H
Project:	North Park Basin	TVD Reference:	WELL @ 8134.0usft (Original Well Elev)
Site:	T7N-R80W-S9	MD Reference:	WELL @ 8134.0usft (Original Well Elev)
Well:	Mutual 0780 6-8H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDMProd

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2800	2800	0	0	Start Build 2.00
3534	3526	-31	-88	Start 3809.4 hold at 3534.4 MD
7344	7211	-350	-1000	Start DLS 8.00 TFO 52.14
7971	7703	-255	-1343	Start 150.0 hold at 7971.0 MD
8121	7778	-199	-1461	Start DLS 10.00 TFO 76.79
8805	7973	333	-1766	Start 4354.3 hold at 8805.1 MD
13,159	7973	4688	-1766	TD at 13159.3

Checked By: _____	Approved By: _____	Date: _____
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