

SandRidge Energy

North Park Basin

T8N-R81W-S7

Grizzly 0881 1-1H36

Wellbore #1

Plan: Design #1

Standard Survey Report

12 January, 2017

SandRidge Energy, Inc.

Survey Report

Company: SandRidge Energy	Local Co-ordinate Reference: Well Grizzly 0881 1-1H36
Project: North Park Basin	TVD Reference: KB @ 8146.0usft
Site: T8N-R81W-S7	MD Reference: KB @ 8146.0usft
Well: Grizzly 0881 1-1H36	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 T8N-R81W-S7			
Site Position:	Northing: 1,462,087.17 usft	Latitude:	40° 35' 53.334 N
From: Map	Easting: 2,743,086.13 usft	Longitude:	106° 25' 30.641 W
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "	Grid Convergence:	-0.60 °

Well Grizzly 0881 1-1H36					
Well Position	+N/-S 0.0 usft	Northing: 1,462,087.17 usft	Latitude:	40° 35' 53.334 N	
	+E/-W 0.0 usft	Easting: 2,743,086.13 usft	Longitude:	106° 25' 30.641 W	
Position Uncertainty	0.0 usft	Wellhead Elevation: 0.0 usft	Ground Level:	8,130.0 usft	

Wellbore Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.90	66.98	53,194

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 1/12/2017
From (usft)	To (usft)	Survey (Wellbore)
0.0	17,901.0	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	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	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	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	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	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	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	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	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	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00

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Project:	North Park Basin	TVD Reference:	KB @ 8146.0usft
Site:	T8N-R81W-S7	MD Reference:	KB @ 8146.0usft
Well:	Grizzly 0881 1-1H36	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	
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	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00	

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Project:	North Park Basin	TVD Reference:	KB @ 8146.0usft
Site:	T8N-R81W-S7	MD Reference:	KB @ 8146.0usft
Well:	Grizzly 0881 1-1H36	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)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	0.0	0.0	0.0	0.00	0.00	0.00
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,036.4	0.00	0.00	6,036.4	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 8.00									
6,050.0	1.09	326.00	6,050.0	0.1	-0.1	0.1	8.00	8.00	0.00
6,100.0	5.09	326.00	6,099.9	2.3	-1.6	2.3	8.00	8.00	0.00
6,150.0	9.09	326.00	6,149.5	7.5	-5.0	7.5	8.00	8.00	0.00
6,200.0	13.09	326.00	6,198.6	15.4	-10.4	15.4	8.00	8.00	0.00
6,250.0	17.09	326.00	6,246.8	26.2	-17.7	26.2	8.00	8.00	0.00
6,300.0	21.09	326.00	6,294.1	39.8	-26.8	39.8	8.00	8.00	0.00
6,350.0	25.09	326.00	6,340.1	56.0	-37.8	56.0	8.00	8.00	0.00
6,394.8	28.67	326.00	6,380.0	72.8	-49.1	72.8	8.00	8.00	0.00
Niobrara									
6,400.0	29.09	326.00	6,384.6	74.9	-50.5	74.9	8.00	8.00	0.00
6,450.0	33.09	326.00	6,427.4	96.3	-64.9	96.3	8.00	8.00	0.00
6,500.0	37.09	326.00	6,468.3	120.1	-81.0	120.1	8.00	8.00	0.00
6,550.0	41.09	326.00	6,507.1	146.2	-98.6	146.2	8.00	8.00	0.00
6,600.0	45.09	326.00	6,543.6	174.6	-117.7	174.6	8.00	8.00	0.00
6,650.0	49.09	326.00	6,577.6	204.9	-138.2	204.9	8.00	8.00	0.00
6,700.0	53.09	326.00	6,609.0	237.2	-160.0	237.2	8.00	8.00	0.00
6,750.0	57.09	326.00	6,637.7	271.1	-182.9	271.1	8.00	8.00	0.00
6,786.4	60.00	326.00	6,656.6	296.9	-200.2	296.9	8.00	8.00	0.00
Start 150.0 hold at 6786.4 MD									
6,800.0	60.00	326.00	6,663.4	306.6	-206.8	306.6	0.00	0.00	0.00
6,900.0	60.00	326.00	6,713.4	378.4	-255.3	378.4	0.00	0.00	0.00
6,936.4	60.00	326.00	6,731.6	404.6	-272.9	404.6	0.00	0.00	0.00
Start DLS 10.00 TFO 54.57									
6,950.0	60.79	327.27	6,738.4	414.4	-279.4	414.4	10.00	5.84	9.34
7,000.0	63.81	331.77	6,761.6	452.6	-301.8	452.6	10.00	6.04	9.01
7,050.0	66.96	336.04	6,782.4	493.4	-321.8	493.4	10.00	6.30	8.54
7,100.0	70.22	340.12	6,800.7	536.6	-339.1	536.6	10.00	6.52	8.15
7,150.0	73.57	344.02	6,816.2	581.8	-353.7	581.8	10.00	6.70	7.81
7,200.0	76.99	347.80	6,828.9	628.7	-365.5	628.7	10.00	6.84	7.55
7,250.0	80.46	351.47	6,838.7	676.9	-374.3	676.9	10.00	6.94	7.34
7,300.0	83.97	355.06	6,845.5	726.1	-380.1	726.1	10.00	7.02	7.19
7,350.0	87.50	358.61	6,849.2	775.9	-382.9	775.9	10.00	7.06	7.10
7,385.3	90.00	1.10	6,850.0	811.1	-382.9	811.1	10.00	7.08	7.06
Start 10515.7 hold at 7385.3 MD									
7,400.0	90.00	1.10	6,850.0	825.8	-382.7	825.8	0.00	0.00	0.00

SandRidge Energy, Inc.

Survey Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well Grizzly 0881 1-1H36
Project:	North Park Basin	TVD Reference:	KB @ 8146.0usft
Site:	T8N-R81W-S7	MD Reference:	KB @ 8146.0usft
Well:	Grizzly 0881 1-1H36	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)	
7,500.0	90.00	1.10	6,850.0	925.8	-380.7	925.8	0.00	0.00	0.00	
7,600.0	90.00	1.10	6,850.0	1,025.8	-378.8	1,025.8	0.00	0.00	0.00	
7,700.0	90.00	1.10	6,850.0	1,125.8	-376.9	1,125.8	0.00	0.00	0.00	
7,800.0	90.00	1.10	6,850.0	1,225.8	-375.0	1,225.8	0.00	0.00	0.00	
7,900.0	90.00	1.10	6,850.0	1,325.7	-373.0	1,325.7	0.00	0.00	0.00	
8,000.0	90.00	1.10	6,850.0	1,425.7	-371.1	1,425.7	0.00	0.00	0.00	
8,100.0	90.00	1.10	6,850.0	1,525.7	-369.2	1,525.7	0.00	0.00	0.00	
8,200.0	90.00	1.10	6,850.0	1,625.7	-367.3	1,625.7	0.00	0.00	0.00	
8,300.0	90.00	1.10	6,850.0	1,725.7	-365.3	1,725.7	0.00	0.00	0.00	
8,400.0	90.00	1.10	6,850.0	1,825.7	-363.4	1,825.7	0.00	0.00	0.00	
8,500.0	90.00	1.10	6,850.0	1,925.6	-361.5	1,925.6	0.00	0.00	0.00	
8,600.0	90.00	1.10	6,850.0	2,025.6	-359.5	2,025.6	0.00	0.00	0.00	
8,700.0	90.00	1.10	6,850.0	2,125.6	-357.6	2,125.6	0.00	0.00	0.00	
8,800.0	90.00	1.10	6,850.0	2,225.6	-355.7	2,225.6	0.00	0.00	0.00	
8,900.0	90.00	1.10	6,850.0	2,325.6	-353.8	2,325.6	0.00	0.00	0.00	
9,000.0	90.00	1.10	6,850.0	2,425.5	-351.8	2,425.5	0.00	0.00	0.00	
9,100.0	90.00	1.10	6,850.0	2,525.5	-349.9	2,525.5	0.00	0.00	0.00	
9,200.0	90.00	1.10	6,850.0	2,625.5	-348.0	2,625.5	0.00	0.00	0.00	
9,300.0	90.00	1.10	6,850.0	2,725.5	-346.1	2,725.5	0.00	0.00	0.00	
9,400.0	90.00	1.10	6,850.0	2,825.5	-344.1	2,825.5	0.00	0.00	0.00	
9,500.0	90.00	1.10	6,850.0	2,925.4	-342.2	2,925.4	0.00	0.00	0.00	
9,600.0	90.00	1.10	6,850.0	3,025.4	-340.3	3,025.4	0.00	0.00	0.00	
9,700.0	90.00	1.10	6,850.0	3,125.4	-338.4	3,125.4	0.00	0.00	0.00	
9,800.0	90.00	1.10	6,850.0	3,225.4	-336.4	3,225.4	0.00	0.00	0.00	
9,900.0	90.00	1.10	6,850.0	3,325.4	-334.5	3,325.4	0.00	0.00	0.00	
10,000.0	90.00	1.10	6,850.0	3,425.4	-332.6	3,425.4	0.00	0.00	0.00	
10,100.0	90.00	1.10	6,850.0	3,525.3	-330.7	3,525.3	0.00	0.00	0.00	
10,200.0	90.00	1.10	6,850.0	3,625.3	-328.7	3,625.3	0.00	0.00	0.00	
10,300.0	90.00	1.10	6,850.0	3,725.3	-326.8	3,725.3	0.00	0.00	0.00	
10,400.0	90.00	1.10	6,850.0	3,825.3	-324.9	3,825.3	0.00	0.00	0.00	
10,500.0	90.00	1.10	6,850.0	3,925.3	-323.0	3,925.3	0.00	0.00	0.00	
10,600.0	90.00	1.10	6,850.0	4,025.2	-321.0	4,025.2	0.00	0.00	0.00	
10,700.0	90.00	1.10	6,850.0	4,125.2	-319.1	4,125.2	0.00	0.00	0.00	
10,800.0	90.00	1.10	6,850.0	4,225.2	-317.2	4,225.2	0.00	0.00	0.00	
10,900.0	90.00	1.10	6,850.0	4,325.2	-315.3	4,325.2	0.00	0.00	0.00	
11,000.0	90.00	1.10	6,850.0	4,425.2	-313.3	4,425.2	0.00	0.00	0.00	
11,100.0	90.00	1.10	6,850.0	4,525.2	-311.4	4,525.2	0.00	0.00	0.00	
11,200.0	90.00	1.10	6,850.0	4,625.1	-309.5	4,625.1	0.00	0.00	0.00	
11,300.0	90.00	1.10	6,850.0	4,725.1	-307.6	4,725.1	0.00	0.00	0.00	
11,400.0	90.00	1.10	6,850.0	4,825.1	-305.6	4,825.1	0.00	0.00	0.00	
11,500.0	90.00	1.10	6,850.0	4,925.1	-303.7	4,925.1	0.00	0.00	0.00	
11,600.0	90.00	1.10	6,850.0	5,025.1	-301.8	5,025.1	0.00	0.00	0.00	
11,700.0	90.00	1.10	6,850.0	5,125.0	-299.9	5,125.0	0.00	0.00	0.00	

SandRidge Energy, Inc.

Survey Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well Grizzly 0881 1-1H36
Project:	North Park Basin	TVD Reference:	KB @ 8146.0usft
Site:	T8N-R81W-S7	MD Reference:	KB @ 8146.0usft
Well:	Grizzly 0881 1-1H36	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)
11,800.0	90.00	1.10	6,850.0	5,225.0	-297.9	5,225.0	0.00	0.00	0.00
11,900.0	90.00	1.10	6,850.0	5,325.0	-296.0	5,325.0	0.00	0.00	0.00
12,000.0	90.00	1.10	6,850.0	5,425.0	-294.1	5,425.0	0.00	0.00	0.00
12,100.0	90.00	1.10	6,850.0	5,525.0	-292.2	5,525.0	0.00	0.00	0.00
12,200.0	90.00	1.10	6,850.0	5,624.9	-290.2	5,624.9	0.00	0.00	0.00
12,300.0	90.00	1.10	6,850.0	5,724.9	-288.3	5,724.9	0.00	0.00	0.00
12,400.0	90.00	1.10	6,850.0	5,824.9	-286.4	5,824.9	0.00	0.00	0.00
12,500.0	90.00	1.10	6,850.0	5,924.9	-284.5	5,924.9	0.00	0.00	0.00
12,600.0	90.00	1.10	6,850.0	6,024.9	-282.5	6,024.9	0.00	0.00	0.00
12,700.0	90.00	1.10	6,850.0	6,124.9	-280.6	6,124.9	0.00	0.00	0.00
12,800.0	90.00	1.10	6,850.0	6,224.8	-278.7	6,224.8	0.00	0.00	0.00
12,900.0	90.00	1.10	6,850.0	6,324.8	-276.8	6,324.8	0.00	0.00	0.00
13,000.0	90.00	1.10	6,850.0	6,424.8	-274.8	6,424.8	0.00	0.00	0.00
13,100.0	90.00	1.10	6,850.0	6,524.8	-272.9	6,524.8	0.00	0.00	0.00
13,200.0	90.00	1.10	6,850.0	6,624.8	-271.0	6,624.8	0.00	0.00	0.00
13,300.0	90.00	1.10	6,850.0	6,724.7	-269.1	6,724.7	0.00	0.00	0.00
13,400.0	90.00	1.10	6,850.0	6,824.7	-267.1	6,824.7	0.00	0.00	0.00
13,500.0	90.00	1.10	6,850.0	6,924.7	-265.2	6,924.7	0.00	0.00	0.00
13,600.0	90.00	1.10	6,850.0	7,024.7	-263.3	7,024.7	0.00	0.00	0.00
13,700.0	90.00	1.10	6,850.0	7,124.7	-261.3	7,124.7	0.00	0.00	0.00
13,800.0	90.00	1.10	6,850.0	7,224.7	-259.4	7,224.7	0.00	0.00	0.00
13,900.0	90.00	1.10	6,850.0	7,324.6	-257.5	7,324.6	0.00	0.00	0.00
14,000.0	90.00	1.10	6,850.0	7,424.6	-255.6	7,424.6	0.00	0.00	0.00
14,100.0	90.00	1.10	6,850.0	7,524.6	-253.6	7,524.6	0.00	0.00	0.00
14,200.0	90.00	1.10	6,850.0	7,624.6	-251.7	7,624.6	0.00	0.00	0.00
14,300.0	90.00	1.10	6,850.0	7,724.6	-249.8	7,724.6	0.00	0.00	0.00
14,400.0	90.00	1.10	6,850.0	7,824.5	-247.9	7,824.5	0.00	0.00	0.00
14,500.0	90.00	1.10	6,850.0	7,924.5	-245.9	7,924.5	0.00	0.00	0.00
14,600.0	90.00	1.10	6,850.0	8,024.5	-244.0	8,024.5	0.00	0.00	0.00
14,700.0	90.00	1.10	6,850.0	8,124.5	-242.1	8,124.5	0.00	0.00	0.00
14,800.0	90.00	1.10	6,850.0	8,224.5	-240.2	8,224.5	0.00	0.00	0.00
14,900.0	90.00	1.10	6,850.0	8,324.4	-238.2	8,324.4	0.00	0.00	0.00
15,000.0	90.00	1.10	6,850.0	8,424.4	-236.3	8,424.4	0.00	0.00	0.00
15,100.0	90.00	1.10	6,850.0	8,524.4	-234.4	8,524.4	0.00	0.00	0.00
15,200.0	90.00	1.10	6,850.0	8,624.4	-232.5	8,624.4	0.00	0.00	0.00
15,300.0	90.00	1.10	6,850.0	8,724.4	-230.5	8,724.4	0.00	0.00	0.00
15,400.0	90.00	1.10	6,850.0	8,824.4	-228.6	8,824.4	0.00	0.00	0.00
15,500.0	90.00	1.10	6,850.0	8,924.3	-226.7	8,924.3	0.00	0.00	0.00
15,600.0	90.00	1.10	6,850.0	9,024.3	-224.8	9,024.3	0.00	0.00	0.00
15,700.0	90.00	1.10	6,850.0	9,124.3	-222.8	9,124.3	0.00	0.00	0.00
15,800.0	90.00	1.10	6,850.0	9,224.3	-220.9	9,224.3	0.00	0.00	0.00
15,900.0	90.00	1.10	6,850.0	9,324.3	-219.0	9,324.3	0.00	0.00	0.00
16,000.0	90.00	1.10	6,850.0	9,424.2	-217.1	9,424.2	0.00	0.00	0.00
16,100.0	90.00	1.10	6,850.0	9,524.2	-215.1	9,524.2	0.00	0.00	0.00

SandRidge Energy, Inc.

Survey Report

Company: SandRidge Energy	Local Co-ordinate Reference: Well Grizzly 0881 1-1H36
Project: North Park Basin	TVD Reference: KB @ 8146.0usft
Site: T8N-R81W-S7	MD Reference: KB @ 8146.0usft
Well: Grizzly 0881 1-1H36	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)	
16,200.0	90.00	1.10	6,850.0	9,624.2	-213.2	9,624.2	0.00	0.00	0.00	
16,300.0	90.00	1.10	6,850.0	9,724.2	-211.3	9,724.2	0.00	0.00	0.00	
16,400.0	90.00	1.10	6,850.0	9,824.2	-209.4	9,824.2	0.00	0.00	0.00	
16,500.0	90.00	1.10	6,850.0	9,924.2	-207.4	9,924.2	0.00	0.00	0.00	
16,600.0	90.00	1.10	6,850.0	10,024.1	-205.5	10,024.1	0.00	0.00	0.00	
16,700.0	90.00	1.10	6,850.0	10,124.1	-203.6	10,124.1	0.00	0.00	0.00	
16,800.0	90.00	1.10	6,850.0	10,224.1	-201.7	10,224.1	0.00	0.00	0.00	
16,900.0	90.00	1.10	6,850.0	10,324.1	-199.7	10,324.1	0.00	0.00	0.00	
17,000.0	90.00	1.10	6,850.0	10,424.1	-197.8	10,424.1	0.00	0.00	0.00	
17,100.0	90.00	1.10	6,850.0	10,524.0	-195.9	10,524.0	0.00	0.00	0.00	
17,200.0	90.00	1.10	6,850.0	10,624.0	-194.0	10,624.0	0.00	0.00	0.00	
17,300.0	90.00	1.10	6,850.0	10,724.0	-192.0	10,724.0	0.00	0.00	0.00	
17,400.0	90.00	1.10	6,850.0	10,824.0	-190.1	10,824.0	0.00	0.00	0.00	
17,500.0	90.00	1.10	6,850.0	10,924.0	-188.2	10,924.0	0.00	0.00	0.00	
17,600.0	90.00	1.10	6,850.0	11,023.9	-186.3	11,023.9	0.00	0.00	0.00	
17,700.0	90.00	1.10	6,850.0	11,123.9	-184.3	11,123.9	0.00	0.00	0.00	
17,800.0	90.00	1.10	6,850.0	11,223.9	-182.4	11,223.9	0.00	0.00	0.00	
17,901.0	90.00	1.10	6,850.0	11,324.8	-180.5	11,324.8	0.00	0.00	0.00	
TD at 17901.0										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
Grizzly 1 - hit/miss target - Shape - Point	0.00	360.00	6,850.0	11,324.8	-180.5	1,473,412.02	2,742,905.67	40° 37' 45.216 N	106° 25' 34.514 W	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,394.8	6,380.0	Niobrara		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
6036	6036	0	0	Start Build 8.00	
6786	6657	297	-200	Start 150.0 hold at 6786.4 MD	
6936	6732	405	-273	Start DLS 10.00 TFO 54.57	
7385	6850	811	-383	Start 10515.7 hold at 7385.3 MD	
17,901	6850	11,325	-180	TD at 17901.0	

SandRidge Energy, Inc.

Survey Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well Grizzly 0881 1-1H36
Project:	North Park Basin	TVD Reference:	KB @ 8146.0usft
Site:	T8N-R81W-S7	MD Reference:	KB @ 8146.0usft
Well:	Grizzly 0881 1-1H36	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDMProd

Checked By: _____ Approved By: _____ Date: _____