

# **SandRidge Energy**

**North Park Basin**

**T8N-R81W-S7**

**Grizzly 0881 4-1H36**

**Wellbore #1**

**Design #1**

## **Anticollision Summary Report**

**16 January, 2017**

**SandRidge Energy, Inc.**  
Anticollision Summary Report

<b>Company:</b>	SandRidge Energy	<b>Local Co-ordinate Reference:</b>	Well Grizzly 0881 4-1H36
<b>Project:</b>	North Park Basin	<b>TVD Reference:</b>	KB @ 8146.0usft
<b>Reference Site:</b>	T8N-R81W-S7	<b>MD Reference:</b>	KB @ 8146.0usft
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Grizzly 0881 4-1H36	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDMProd
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Design #1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		WARNING: There is hidden tight data in this project
<b>Interpolation Method:</b>	Stations	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.0 usft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	1/16/2017		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	18,624.4	Design #1 (Wellbore #1)	Sperry MWD	Fixed:v2:standard declination

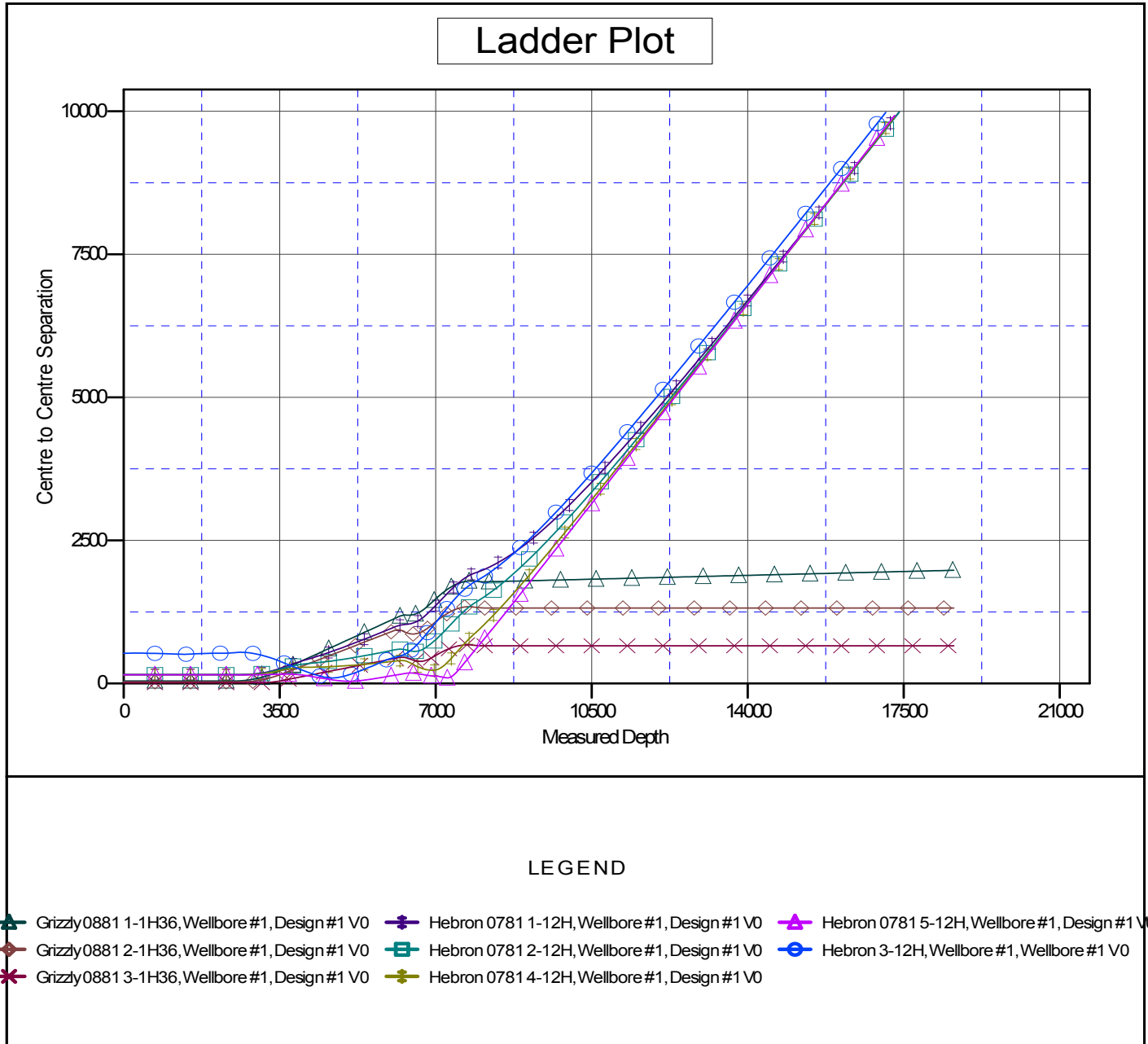
<b>Summary</b>						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
T8N-R81W-S7						
Grizzly 0881 1-1H36 - Wellbore #1 - Design #1	2,500.0	2,500.0	44.9	34.0	4.093	CC, ES
Grizzly 0881 1-1H36 - Wellbore #1 - Design #1	2,600.0	2,600.0	46.7	35.3	4.092	SF
Grizzly 0881 2-1H36 - Wellbore #1 - Design #1	2,585.7	2,586.6	29.9	18.6	2.640	CC
Grizzly 0881 2-1H36 - Wellbore #1 - Design #1	2,700.0	2,701.7	30.1	18.4	2.558	ES, SF
Grizzly 0881 3-1H36 - Wellbore #1 - Design #1	3,100.3	3,103.4	14.6	1.4	1.105	Level 2, CC, ES, SF
Hebron 0781 1-12H - Wellbore #1 - Design #1	2,500.0	2,500.0	156.6	145.6	14.268	CC, ES
Hebron 0781 1-12H - Wellbore #1 - Design #1	2,900.0	2,898.7	166.1	153.4	13.080	SF
Hebron 0781 2-12H - Wellbore #1 - Design #1	2,500.0	2,500.0	153.0	142.0	13.937	CC
Hebron 0781 2-12H - Wellbore #1 - Design #1	2,600.0	2,600.0	153.3	141.9	13.432	ES
Hebron 0781 2-12H - Wellbore #1 - Design #1	2,900.0	2,898.7	160.1	147.4	12.601	SF
Hebron 0781 4-12H - Wellbore #1 - Design #1	2,500.0	2,500.0	150.8	139.8	13.738	CC
Hebron 0781 4-12H - Wellbore #1 - Design #1	2,600.0	2,600.0	150.9	139.5	13.225	ES
Hebron 0781 4-12H - Wellbore #1 - Design #1	6,700.0	7,015.6	261.9	222.8	6.702	SF
Hebron 0781 5-12H - Wellbore #1 - Design #1	5,067.8	5,096.8	36.8	1.9	1.055	Level 2, CC, ES, SF
Hebron 3-12H - Wellbore #1 - Wellbore #1	4,683.4	4,622.2	97.3	71.6	3.789	CC, ES, SF

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<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB @ 8146.0usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: Grizzly 0881 4-1H36  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: -0.60°



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