

# **SandRidge Energy**

**North Park Basin**

**T7N-R80W-S18**

**Hebron 0780 6-18H**

**Wellbore #1**

**Design #1**

## **Anticollision Summary Report**

**07 July, 2016**

# SandRidge Energy

## Anticollision Summary Report

<b>Company:</b>	SandRidge Energy	<b>Local Co-ordinate Reference:</b>	Well Hebron 0780 6-18H
<b>Project:</b>	North Park Basin	<b>TVD Reference:</b>	WELL @ 8223.8usft (Original Well Elev)
<b>Reference Site:</b>	T7N-R80W-S18	<b>MD Reference:</b>	WELL @ 8223.8usft (Original Well Elev)
<b>Site Error:</b>	0.0 usft	<b>North Reference:</b>	Grid
<b>Reference Well:</b>	Hebron 0780 6-18H	<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>	7/7/2016		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	11,338.5	Design #1 (Wellbore #1)	Sperry MWD	Fixed:v2:standard declination

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
T7N-R80W-S18						
Coalmont 0780 1-13H - Wellbore #1 - Design #1	3,129.5	3,135.2	149.8	136.2	10.977	CC, ES
Coalmont 0780 1-13H - Wellbore #1 - Design #1	11,338.5	11,369.9	659.7	473.8	3.549	SF
Coalmont 0780 2-13H - Wellbore #1 - Design #1	2,988.8	2,987.5	159.3	146.2	12.166	CC
Coalmont 0780 2-13H - Wellbore #1 - Design #1	3,000.0	2,998.6	159.3	146.1	12.123	ES
Coalmont 0780 2-13H - Wellbore #1 - Design #1	11,338.5	11,438.3	1,319.6	1,133.5	7.089	SF
Coalmont 0780 4-13H - Wellbore #1 - Design #1	2,600.0	2,598.2	165.7	154.3	14.504	CC
Coalmont 0780 4-13H - Wellbore #1 - Design #1	2,700.0	2,696.8	166.1	154.2	14.012	ES
Coalmont 0780 4-13H - Wellbore #1 - Design #1	11,338.5	11,725.1	1,979.5	1,794.2	10.684	SF
Coalmont 0780 5-13H - Wellbore #1 - Design #1	2,500.0	2,498.2	172.6	161.6	15.729	CC, ES
Coalmont 0780 5-13H - Wellbore #1 - Design #1	11,338.5	11,833.6	2,639.5	2,454.4	14.262	SF
Hebron 01-18H - Wellbore #1 - Wellbore #1	11,338.5	6,466.0	2,510.1	2,416.3	26.745	CC, ES, SF
Hebron 0780 10-18H - Wellbore #1 - Design #1	2,500.0	2,499.8	59.8	48.8	5.443	CC, ES
Hebron 0780 10-18H - Wellbore #1 - Design #1	2,600.0	2,597.7	61.5	50.0	5.387	SF
Hebron 0780 2-18H - Wellbore #1 - Wellbore #1	11,169.4	6,824.0	3,027.0	2,921.0	28.582	CC
Hebron 0780 2-18H - Wellbore #1 - Wellbore #1	11,200.0	6,824.0	3,027.1	2,920.6	28.427	ES
Hebron 0780 2-18H - Wellbore #1 - Wellbore #1	11,338.5	6,780.7	3,031.1	2,922.1	27.797	SF
Hebron 0780 7-18H - Wellbore #1 - Design #1	2,900.0	2,900.0	14.8	2.1	1.161	Level 2, CC, ES, SF
Hebron 0780 8-18H - Wellbore #1 - Design #1	2,800.0	2,800.0	29.7	17.4	2.410	CC, ES, SF
Hebron 0780 9-18H - Wellbore #1 - Design #1	2,700.0	2,700.0	44.7	32.9	3.767	CC, ES, SF
Hebron 1-18HR - Wellbore #1 - Wellbore #1	11,338.5	6,536.8	2,370.3	2,262.5	22.001	CC, ES, SF
Hebron 5-18H - Wellbore #1 - Wellbore #1	6,950.0	11,360.0	421.3	335.9	4.933	SF
Hebron 5-18H - Wellbore #1 - Wellbore #1	6,994.6	11,360.0	417.8	333.9	4.983	CC, ES

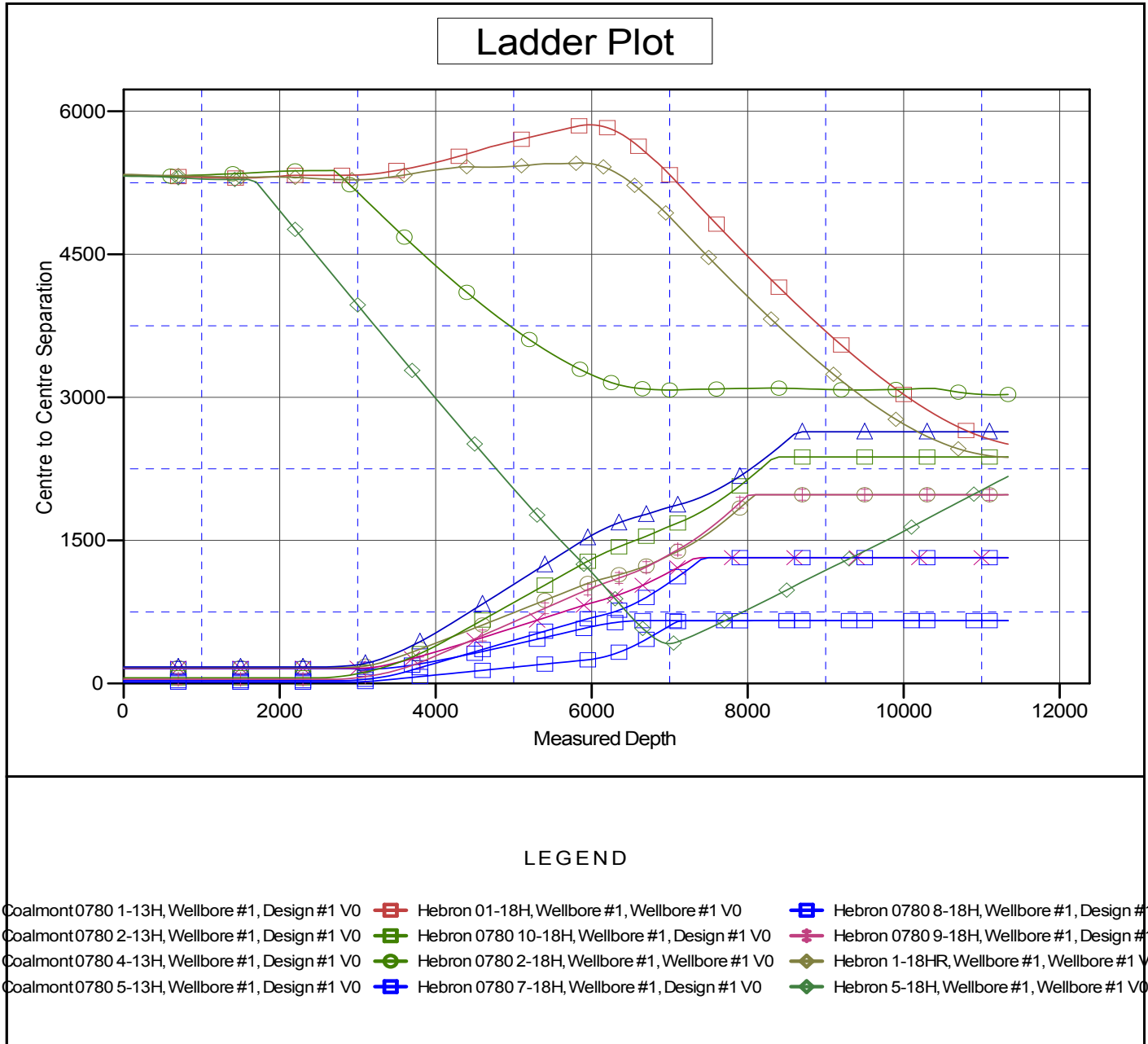
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Reference Depths are relative to WELL @ 8223.8usft (Original Well Ele)  
Offset Depths are relative to Offset Datum  
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: Hebron 0780 6-18H  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: -0.60°



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