SandRidge Energy

North Park Basin
T8N-R81W-S7
Hebron 0781 5-12H

Wellbore #1
Design #1

Anticollision Summary Report

08 December, 2016

SandRidge Energy

Anticollision Summary Report

Company:	SandRidge Energy	**Local Co-ordinate Reference:**	Well Hebron 0781 5-12H
Project:	North Park Basin	**TVD Reference:**	KB @ 8146.0usft
Reference Site:	T8N-R81W-S7	**MD Reference:**	KB @ 8146.0usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	Hebron 0781 5-12H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDMProd
Reference Design:	Design #1	**Offset TVD Reference:**	Offset Datum

Reference Design #1

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

Survey Tool Program **Date** 9/29/2016

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	11,957.6	Design #1 (Wellbore #1)	Sperry MWD	Fixed:v2:standard declination

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
T8N-R81W-S7						
Grizzly 0881 1-1H36 - Wellbore #1 - Design #1	2,800.0	2,800.0	156.6	144.3	12.705	CC
Grizzly 0881 1-1H36 - Wellbore #1 - Design #1	2,900.0	2,900.0	156.9	144.1	12.292	ES
Grizzly 0881 1-1H36 - Wellbore #1 - Design #1	3,200.0	3,198.7	163.4	149.3	11.619	SF
Grizzly 0881 2-1H36 - Wellbore #1 - Design #1	2,737.7	2,738.0	152.7	140.7	12.723	CC
Grizzly 0881 2-1H36 - Wellbore #1 - Design #1	3,200.0	3,199.8	152.9	138.9	10.924	ES
Grizzly 0881 2-1H36 - Wellbore #1 - Design #1	3,500.0	3,497.0	158.7	143.3	10.295	SF
Grizzly 0881 3-1H36 - Wellbore #1 - Design #1	4,072.3	4,062.5	114.5	94.0	5.581	CC, ES
Grizzly 0881 3-1H36 - Wellbore #1 - Design #1	4,100.0	4,089.4	114.7	94.0	5.539	SF
Grizzly 0881 4-1H36 - Wellbore #1 - Design #1	5,077.6	5,048.8	31.5	-2.8	0.919	Level 1, CC, ES, SF
Hebron 0781 1-12H - Wellbore #1 - Design #1	2,800.0	2,800.0	45.1	32.7	3.656	CC, ES, SF
Hebron 0781 2-12H - Wellbore #1 - Design #1	2,800.0	2,800.0	30.1	17.7	2.440	CC, ES, SF
Hebron 0781 4-12H - Wellbore #1 - Design #1	2,800.0	2,800.0	15.1	2.8	1.224	Level 2, CC, ES, SF
Hebron 3-12H - Wellbore #1 - Wellbore #1	4,700.0	4,616.0	33.2	6.9	1.261	Level 3, ES, SF
Hebron 3-12H - Wellbore #1 - Wellbore #1	4,701.1	4,617.0	33.2	6.9	1.262	Level 3, CC

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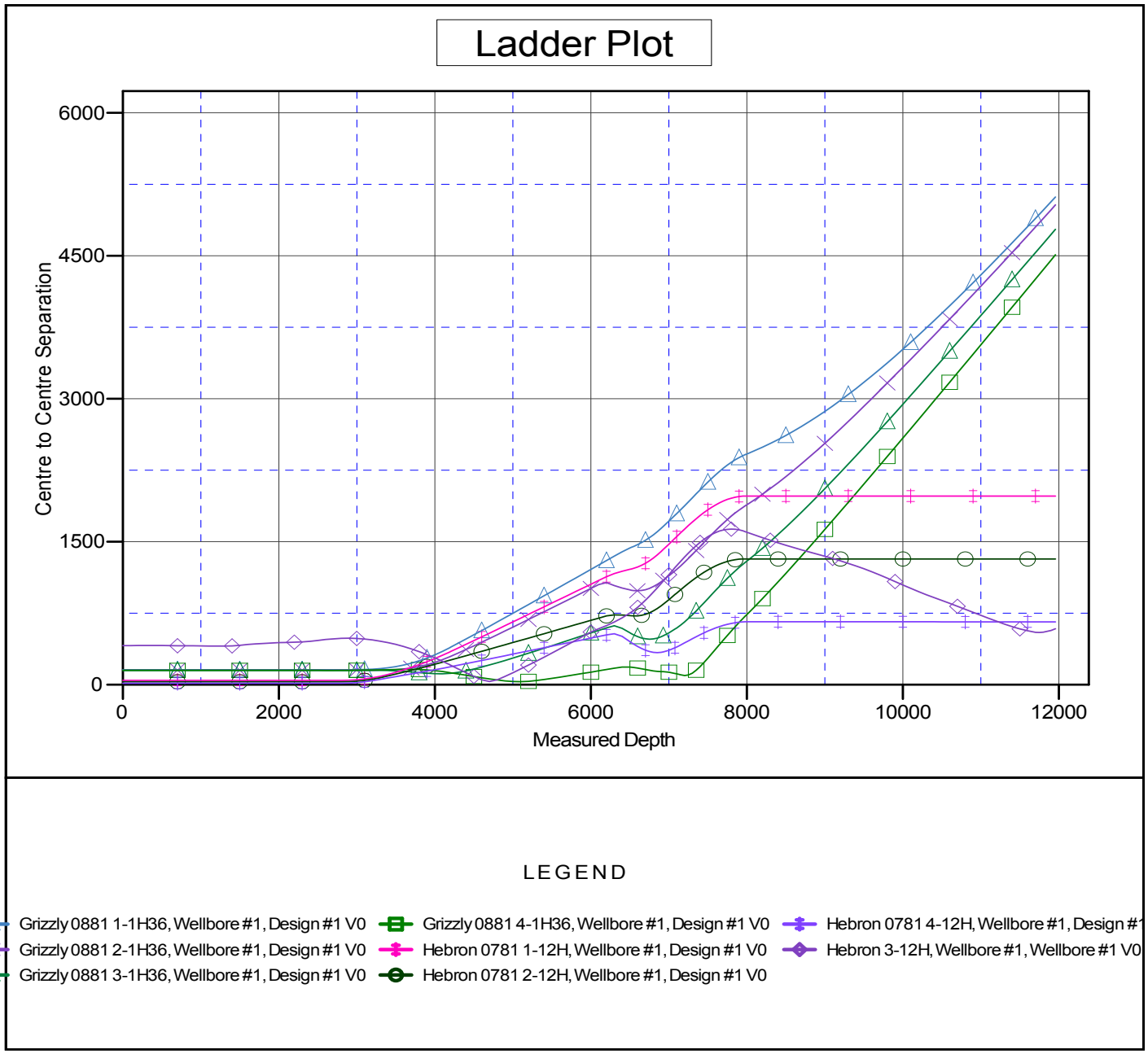
Reference Depths are relative to KB @ 8146.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: Hebron 0781 5-12H
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: -0.60°



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