

SandRidge Energy

North Park Basin

T8N-R81W-S7

Grizzly 0881 2-1H36

Wellbore #1

Design #1

Anticollision Summary Report

29 September, 2016

SandRidge Energy

Anticollision Summary Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well Grizzly 0881 2-1H36
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:	Grizzly 0881 2-1H36	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	18,007.3	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
Offset Well - Wellbore - Design						
T8N-R81W-S7						
Grizzly 0881 1-1H36 - Wellbore #1 - Design #1	2,500.0	2,500.0	15.0	4.0	1.367	Level 3, CC, ES, SF
Grizzly 0881 3-1H36 - Wellbore #1 - Design #1	2,500.0	2,500.0	15.0	4.0	1.365	Level 3, CC
Grizzly 0881 3-1H36 - Wellbore #1 - Design #1	2,668.0	2,667.1	15.0	3.4	1.289	Level 3, ES, SF
Grizzly 0881 4-1H36 - Wellbore #1 - Design #1	2,591.2	2,590.3	29.9	18.6	2.635	CC
Grizzly 0881 4-1H36 - Wellbore #1 - Design #1	2,668.0	2,666.2	29.9	18.3	2.569	ES
Grizzly 0881 4-1H36 - Wellbore #1 - Design #1	2,700.0	2,697.9	30.1	18.3	2.557	SF
Hebron 0781 1-12H - Wellbore #1 - Design #1	4,665.6	4,684.7	55.9	35.0	2.668	CC, ES
Hebron 0781 1-12H - Wellbore #1 - Design #1	4,700.0	4,718.4	56.3	35.1	2.658	SF
Hebron 0781 2-12H - Wellbore #1 - Design #1	4,373.9	4,389.6	86.6	66.7	4.361	CC, ES
Hebron 0781 2-12H - Wellbore #1 - Design #1	4,400.0	4,414.9	86.9	66.9	4.346	SF
Hebron 0781 4-12H - Wellbore #1 - Design #1	4,049.2	4,057.6	128.4	110.3	7.083	CC, ES
Hebron 0781 4-12H - Wellbore #1 - Design #1	4,100.0	4,106.5	129.1	110.7	7.013	SF
Hebron 0781 5-12H - Wellbore #1 - Design #1	2,738.0	2,737.7	152.7	140.7	12.716	CC
Hebron 0781 5-12H - Wellbore #1 - Design #1	3,200.0	3,200.0	152.9	138.9	10.924	ES
Hebron 0781 5-12H - Wellbore #1 - Design #1	3,500.0	3,495.3	158.6	143.2	10.284	SF

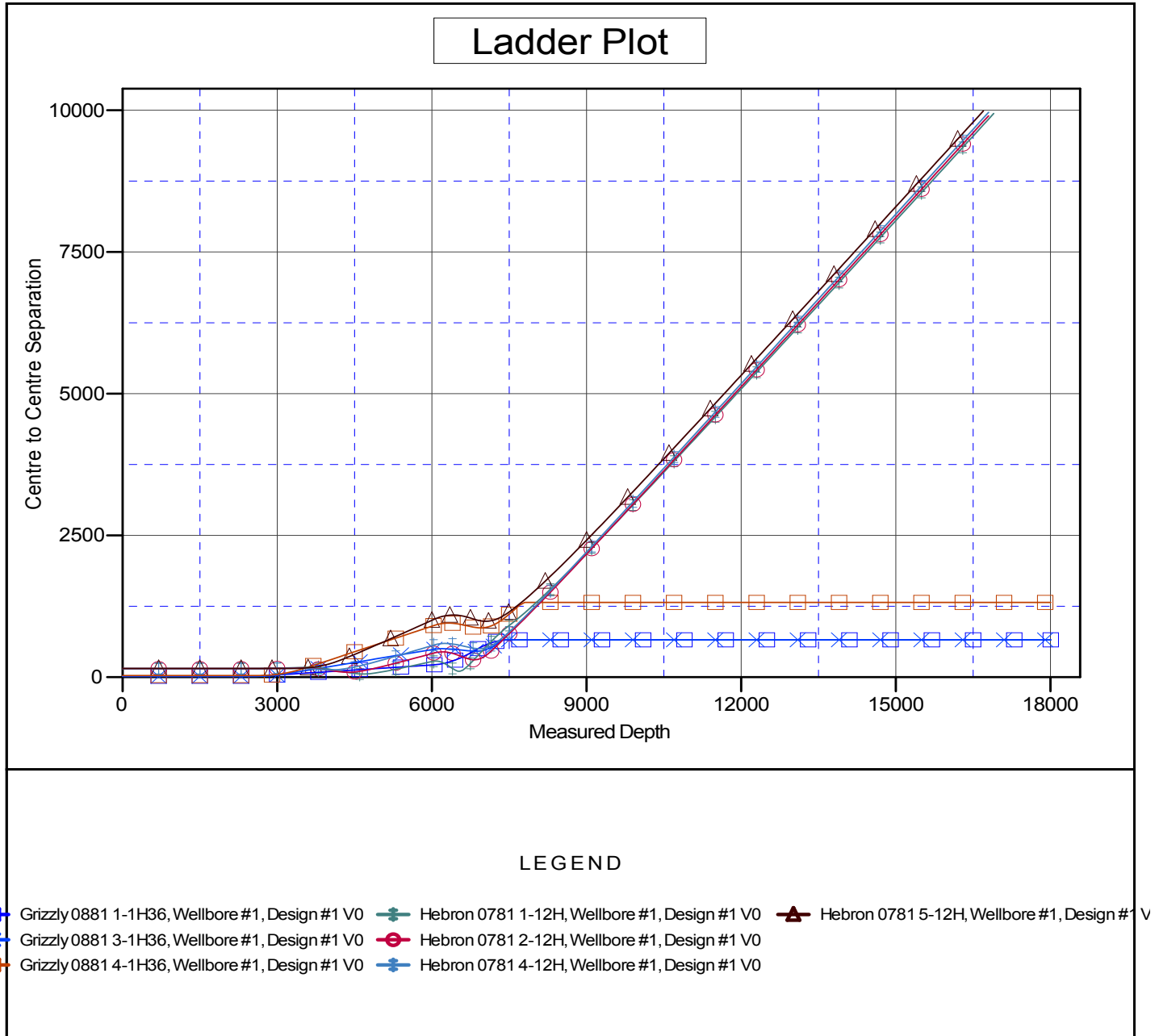
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Reference Depths are relative to KB @ 8146.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: Grizzly 0881 2-1H36
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: -0.60°



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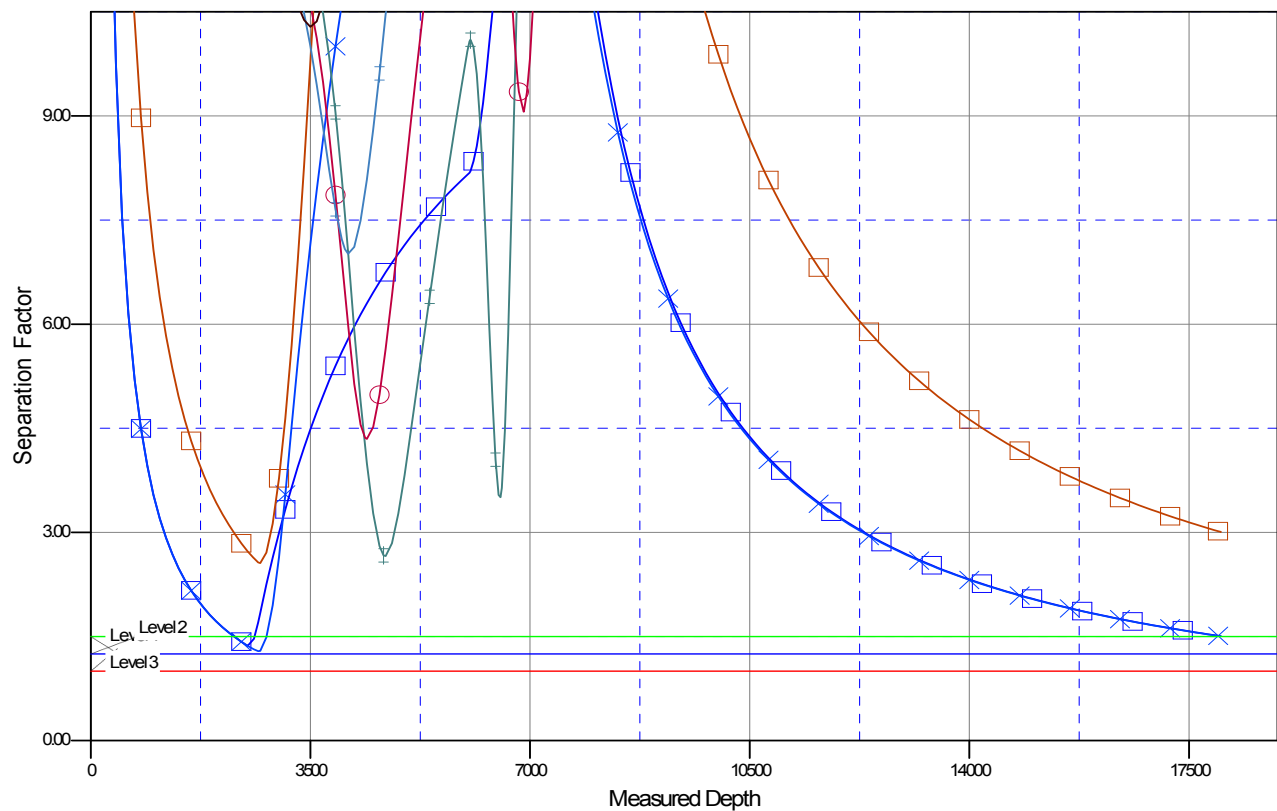
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Separation Factor Plot



LEGEND

- Grizzly 0881 1-1H36, Wellbore #1, Design #1 V0
+ Hebron 0781 1-12H, Wellbore #1, Design #1 V0
▲ Hebron 0781 5-12H, Wellbore #1, Design #1 V0
- x Grizzly 0881 3-1H36, Wellbore #1, Design #1 V0
○ Hebron 0781 2-12H, Wellbore #1, Design #1 V0
- Grizzly 0881 4-1H36, Wellbore #1, Design #1 V0
+ Hebron 0781 4-12H, Wellbore #1, Design #1 V0