

SandRidge Energy

North Park Basin

T8N-R81W-S7

Grizzly 0881 3-1H36

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 3-1H36
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 3-1H36	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	18,241.6	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	30.0	19.0	2.731	CC, ES, SF
Grizzly 0881 2-1H36 - Wellbore #1 - Design #1	2,500.0	2,500.0	15.0	4.0	1.365	Level 3, CC
Grizzly 0881 2-1H36 - Wellbore #1 - Design #1	2,700.0	2,700.9	15.2	3.5	1.293	Level 3, ES, SF
Grizzly 0881 4-1H36 - Wellbore #1 - Design #1	3,102.7	3,099.6	14.7	1.4	1.108	Level 2, CC, ES, SF
Hebron 0781 1-12H - Wellbore #1 - Design #1	2,500.0	2,500.0	153.0	142.0	13.936	CC
Hebron 0781 1-12H - Wellbore #1 - Design #1	2,600.0	2,600.0	153.3	141.9	13.433	ES
Hebron 0781 1-12H - Wellbore #1 - Design #1	2,900.0	2,898.7	160.5	147.8	12.635	SF
Hebron 0781 2-12H - Wellbore #1 - Design #1	6,550.0	6,692.5	146.0	112.8	4.406	SF
Hebron 0781 2-12H - Wellbore #1 - Design #1	6,593.4	6,724.6	141.4	110.8	4.624	CC, ES
Hebron 0781 4-12H - Wellbore #1 - Design #1	5,126.7	5,157.4	32.8	5.8	1.213	Level 2, CC
Hebron 0781 4-12H - Wellbore #1 - Design #1	5,200.0	5,229.8	34.8	5.4	1.183	Level 2, ES, SF
Hebron 0781 5-12H - Wellbore #1 - Design #1	4,062.5	4,072.3	114.5	94.0	5.581	CC, ES
Hebron 0781 5-12H - Wellbore #1 - Design #1	4,100.0	4,108.5	114.9	94.1	5.527	SF

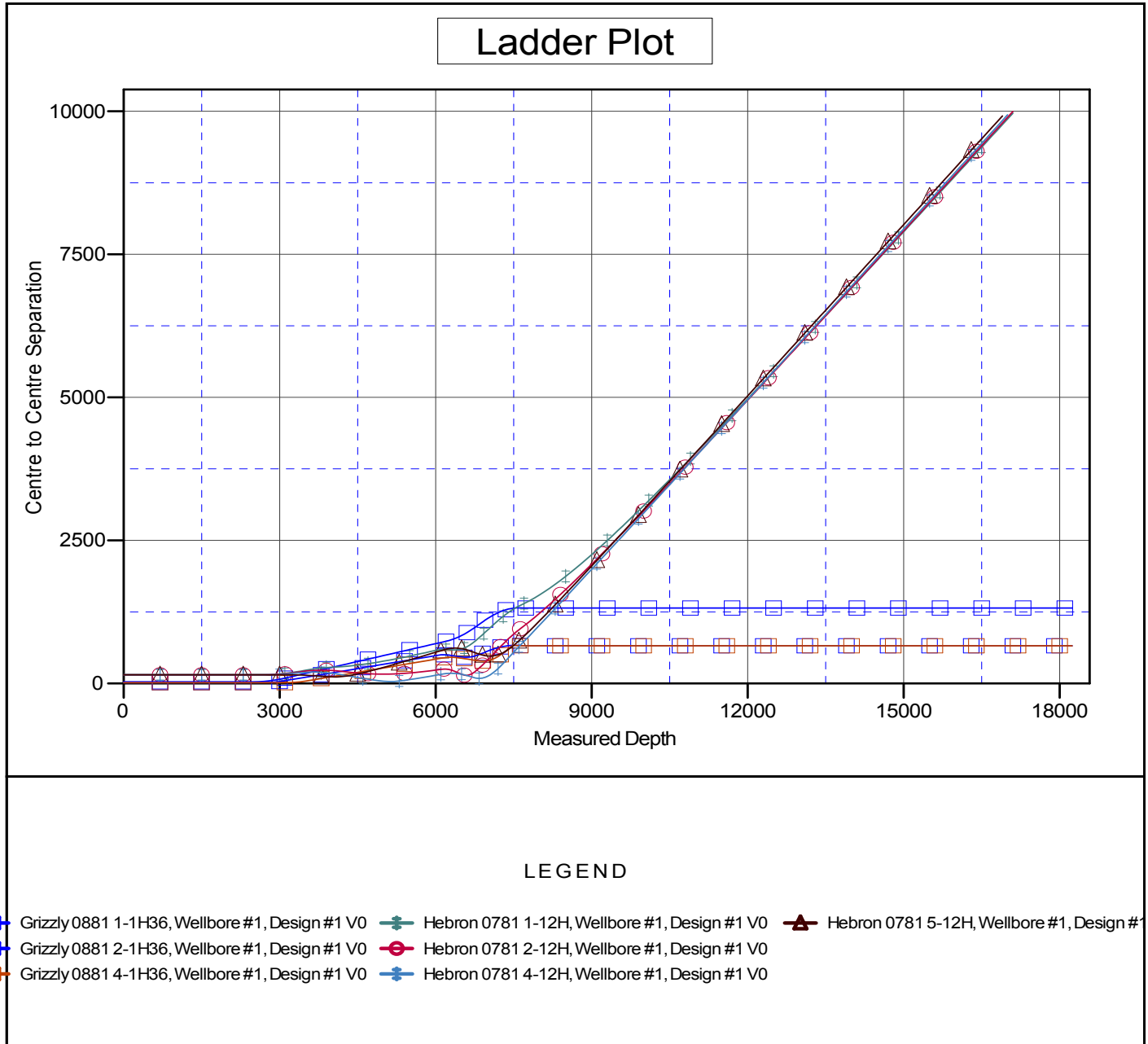
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Reference Depths are relative to KB @ 8146.0usft
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: Grizzly 0881 3-1H36
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: -0.60°



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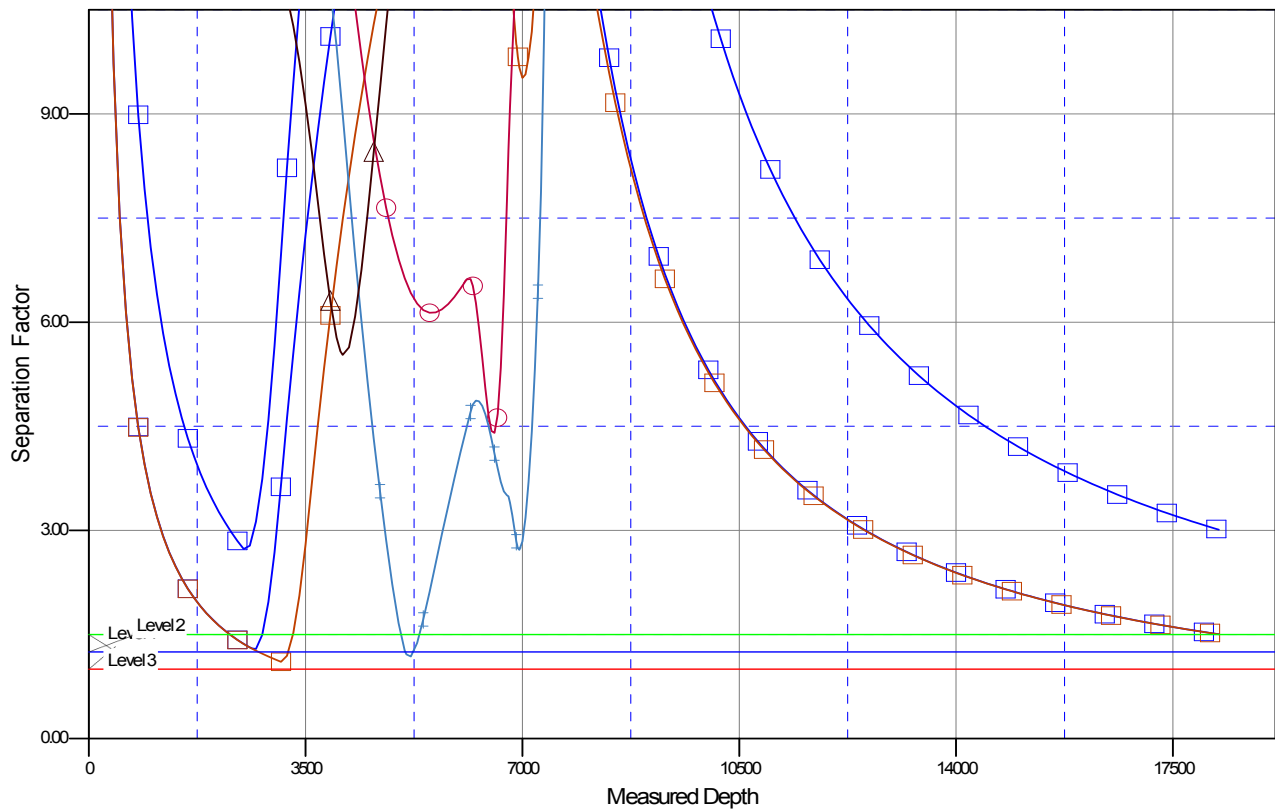
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Separation Factor Plot



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
- Grizzly 0881 2-1H36, 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