

SandRidge Energy

North Park Basin

T7N-R80W-S18

Coalmont 0781 5-13H

Wellbore #1

Design #1

Anticollision Summary Report

15 July, 2016

SandRidge Energy

Anticollision Summary Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well Coalmont 0781 5-13H
Project:	North Park Basin	TVD Reference:	WELL @ 8222.0usft (Original Well Elev)
Reference Site:	T7N-R80W-S18	MD Reference:	WELL @ 8222.0usft (Original Well Elev)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Coalmont 0781 5-13H	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	7/7/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	11,833.6	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						
T7N-R80W-S18						
Coalmont 0781 1-13H - Wellbore #1 - Design #1	2,500.0	2,500.0	44.9	33.9	4.090	CC, ES
Coalmont 0781 1-13H - Wellbore #1 - Design #1	2,600.0	2,600.0	46.6	35.2	4.089	SF
Coalmont 0781 2-13H - Wellbore #1 - Design #1	2,500.0	2,500.0	29.8	18.8	2.716	CC, ES, SF
Coalmont 0781 4-13H - Wellbore #1 - Design #1	2,500.0	2,500.0	14.8	3.9	1.352	Level 3, CC, ES, SF
Hebron 01-18H - Wellbore #1 - Wellbore #1	11,833.6	6,413.0	5,128.9	5,038.2	56.555	CC, ES, SF
Hebron 0780 10-18H - Wellbore #1 - Design #1	2,466.1	2,467.7	208.6	197.8	19.263	CC
Hebron 0780 10-18H - Wellbore #1 - Design #1	2,500.0	2,500.0	208.6	197.6	19.003	ES
Hebron 0780 10-18H - Wellbore #1 - Design #1	2,600.0	2,596.7	211.0	199.6	18.523	SF
Hebron 0780 2-18H - Wellbore #1 - Wellbore #1	5,005.4	11,567.1	4,699.5	4,609.7	52.330	CC, ES
Hebron 0780 2-18H - Wellbore #1 - Wellbore #1	7,500.0	11,234.0	5,629.5	5,517.7	50.349	SF
Hebron 0780 6-18H - Wellbore #1 - Design #1	2,500.0	2,501.8	172.6	161.6	15.717	CC, ES
Hebron 0780 6-18H - Wellbore #1 - Design #1	11,833.6	11,324.2	2,639.4	2,454.6	14.282	SF
Hebron 0780 7-18H - Wellbore #1 - Design #1	2,500.0	2,501.8	180.2	169.2	16.407	CC, ES
Hebron 0780 7-18H - Wellbore #1 - Design #1	2,800.0	2,801.3	189.2	176.9	15.436	SF
Hebron 0780 8-18H - Wellbore #1 - Design #1	2,500.0	2,501.8	188.9	177.9	17.200	CC, ES
Hebron 0780 8-18H - Wellbore #1 - Design #1	2,800.0	2,800.0	198.7	186.4	16.218	SF
Hebron 0780 9-18H - Wellbore #1 - Design #1	2,500.0	2,501.8	198.4	187.4	18.063	CC, ES
Hebron 0780 9-18H - Wellbore #1 - Design #1	2,700.0	2,700.0	202.9	191.1	17.156	SF
Hebron 1-18HR - Wellbore #1 - Wellbore #1	11,833.6	6,456.2	5,007.1	4,902.8	48.005	CC, ES, SF
Hebron 5-18H - Wellbore #1 - Wellbore #1	6,193.8	11,360.0	2,243.4	2,157.1	25.987	CC
Hebron 5-18H - Wellbore #1 - Wellbore #1	6,200.0	11,360.0	2,243.4	2,157.0	25.980	ES
Hebron 5-18H - Wellbore #1 - Wellbore #1	6,373.6	11,360.0	2,250.6	2,163.6	25.863	SF

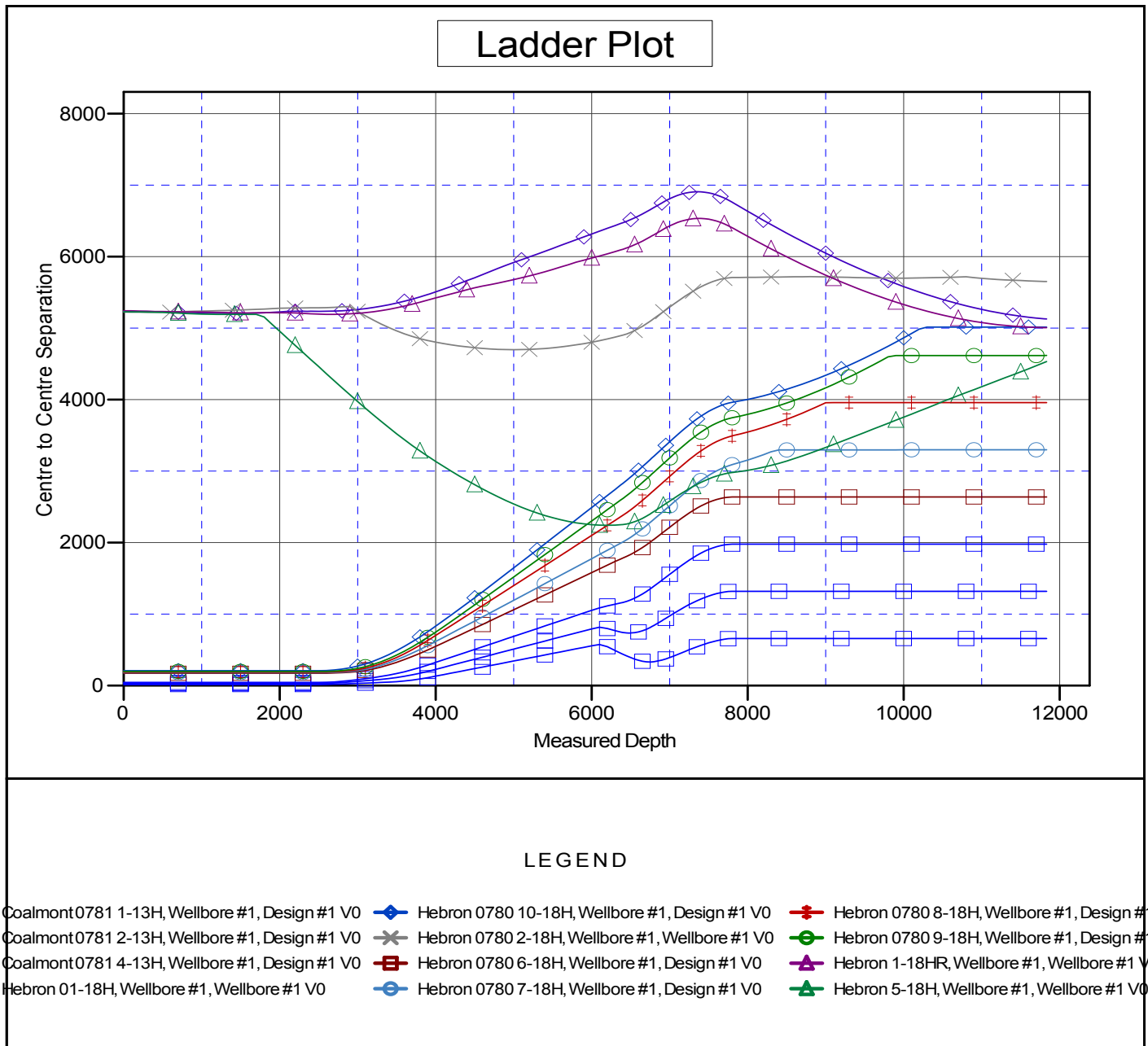
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Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 8222.0usft (Original Well Ele)
Offset Depths are relative to Offset Datum
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: Coalmont 0781 5-13H
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: -0.60°



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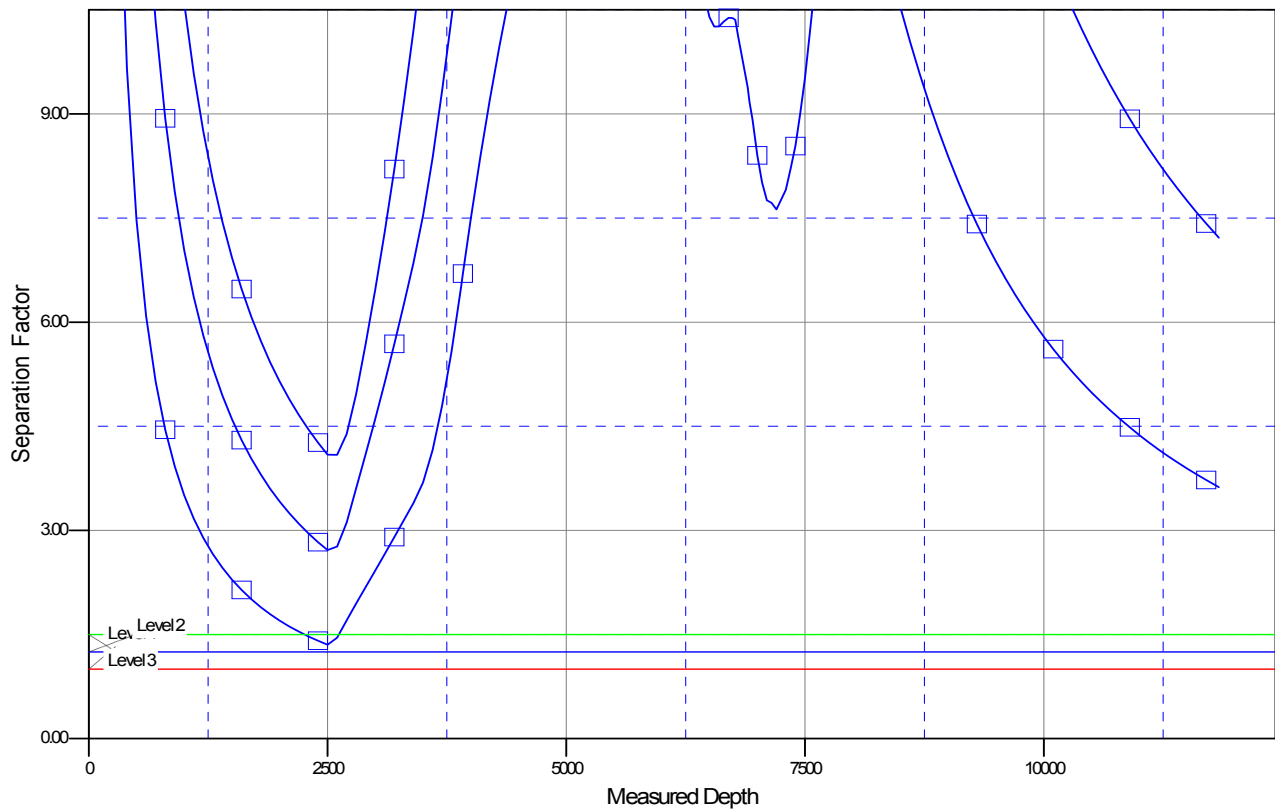
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Separation Factor Plot



LEGEND

- Coalmont0781 1-13H, Wellbore #1, Design #1 V0
- Coalmont0781 2-13H, Wellbore #1, Design #1 V0
- Coalmont0781 4-13H, Wellbore #1, Design #1 V0
- Hebron 01-18H, Wellbore #1, Wellbore #1 V0
- Hebron 0780 10-18H, Wellbore #1, Design #1 V0
- Hebron 0780 2-18H, Wellbore #1, Wellbore #1 V0
- Hebron 0780 6-18H, Wellbore #1, Design #1 V0
- Hebron 0780 7-18H, Wellbore #1, Design #1 V0
- Hebron 0780 8-18H, Wellbore #1, Design #1 V0
- Hebron 0780 9-18H, Wellbore #1, Design #1 V0
- Hebron 1-18HR, Wellbore #1, Wellbore #1 V0
- Hebron 5-18H, Wellbore #1, Wellbore #1 V0