

SandRidge Energy

North Park Basin

T7N-R80W-S18

Coalmont 0781 1-13H

Wellbore #1

Design #1

Anticollision Summary Report

15 July, 2016

SandRidge Energy

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Company:	SandRidge Energy	Local Co-ordinate Reference:	Well Coalmont 0781 1-13H
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 1-13H	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	11,376.8	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 2-13H - Wellbore #1 - Design #1	2,700.0	2,700.0	15.1	3.2	1.271	Level 3, CC, ES, SF
Coalmont 0781 4-13H - Wellbore #1 - Design #1	2,600.0	2,600.0	30.1	18.6	2.631	CC, ES, SF
Coalmont 0781 5-13H - Wellbore #1 - Design #1	2,500.0	2,500.0	44.9	33.9	4.090	CC, ES
Coalmont 0781 5-13H - Wellbore #1 - Design #1	2,600.0	2,598.4	46.6	35.2	4.086	SF
Hebron 01-18H - Wellbore #1 - Wellbore #1	11,376.8	6,466.0	3,160.3	3,068.5	34.434	CC, ES, SF
Hebron 0780 10-18H - Wellbore #1 - Design #1	2,466.1	2,467.7	180.3	169.4	16.646	CC
Hebron 0780 10-18H - Wellbore #1 - Design #1	2,500.0	2,500.0	180.3	169.3	16.421	ES
Hebron 0780 10-18H - Wellbore #1 - Design #1	2,800.0	2,790.6	189.0	176.8	15.441	SF
Hebron 0780 2-18H - Wellbore #1 - Wellbore #1	11,200.4	6,824.0	3,686.3	3,582.5	35.513	CC
Hebron 0780 2-18H - Wellbore #1 - Wellbore #1	11,300.0	6,824.0	3,687.7	3,582.0	34.890	ES
Hebron 0780 2-18H - Wellbore #1 - Wellbore #1	11,376.8	6,792.9	3,690.3	3,583.2	34.465	SF
Hebron 0780 6-18H - Wellbore #1 - Design #1	3,135.2	3,129.5	149.8	136.2	10.977	CC, ES
Hebron 0780 6-18H - Wellbore #1 - Design #1	11,376.8	11,338.5	659.7	473.7	3.547	SF
Hebron 0780 7-18H - Wellbore #1 - Design #1	2,993.1	2,990.8	158.2	145.1	12.079	CC
Hebron 0780 7-18H - Wellbore #1 - Design #1	3,000.0	2,997.4	158.3	145.1	12.056	ES
Hebron 0780 7-18H - Wellbore #1 - Design #1	11,376.8	11,389.7	1,319.5	1,135.6	7.177	SF
Hebron 0780 8-18H - Wellbore #1 - Design #1	2,766.1	2,767.9	165.4	153.2	13.582	CC
Hebron 0780 8-18H - Wellbore #1 - Design #1	2,800.0	2,801.7	165.4	153.1	13.414	ES
Hebron 0780 8-18H - Wellbore #1 - Design #1	11,376.8	11,543.5	1,979.3	1,796.3	10.819	SF
Hebron 0780 9-18H - Wellbore #1 - Design #1	2,666.1	2,667.9	172.3	160.5	14.688	CC
Hebron 0780 9-18H - Wellbore #1 - Design #1	2,700.0	2,701.7	172.3	160.4	14.500	ES
Hebron 0780 9-18H - Wellbore #1 - Design #1	3,000.0	2,990.4	180.1	167.0	13.777	SF
Hebron 1-18HR - Wellbore #1 - Wellbore #1	11,376.8	6,526.5	3,028.8	2,923.2	28.681	CC, ES, SF
Hebron 5-18H - Wellbore #1 - Wellbore #1	6,950.0	11,360.0	1,014.7	916.4	10.326	SF
Hebron 5-18H - Wellbore #1 - Wellbore #1	7,030.4	11,360.0	1,010.0	912.5	10.364	CC, ES

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

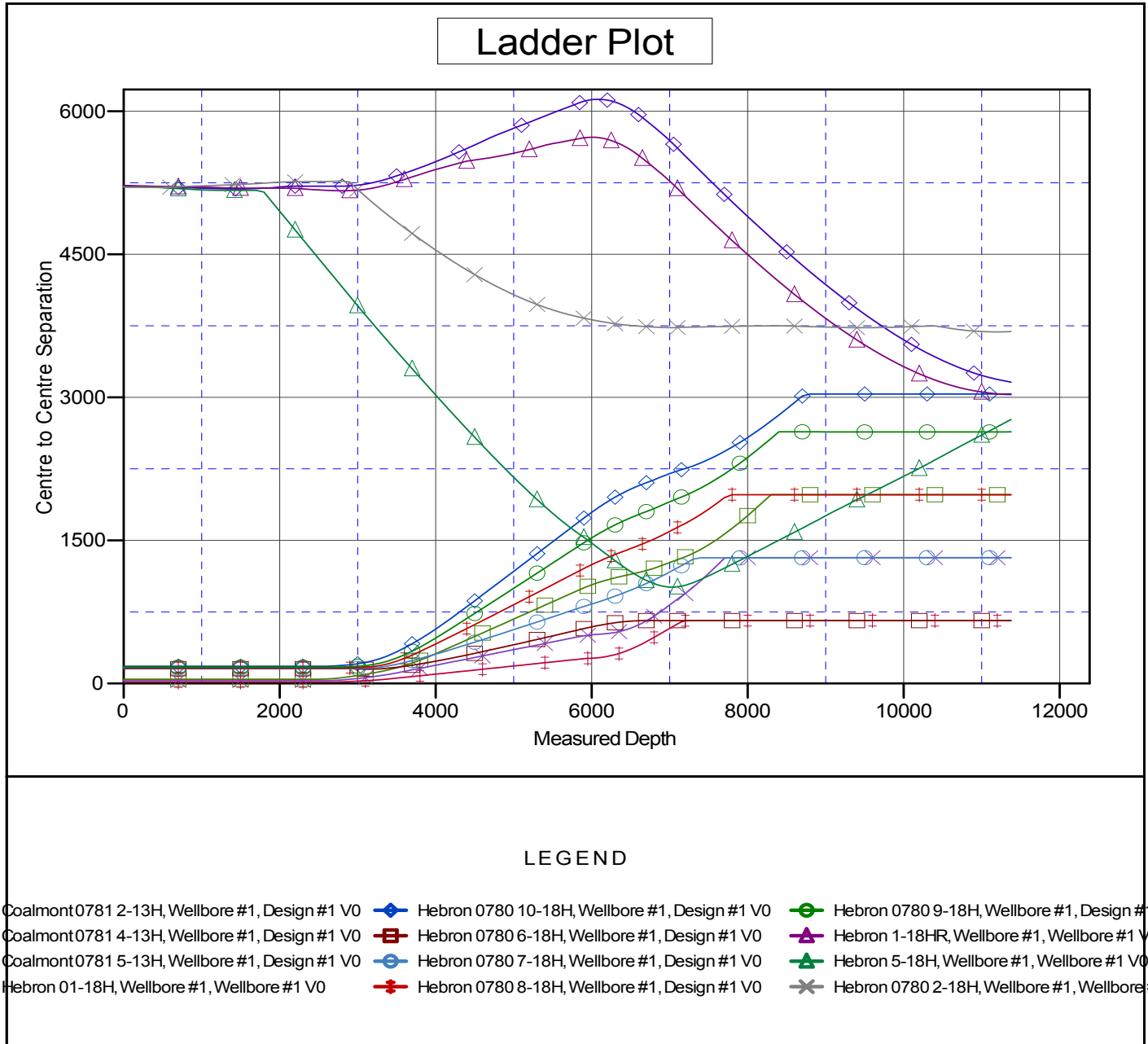
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Reference Design:	Design #1	Offset TVD Reference:	Offset Datum

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 1-13H
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: -0.60°



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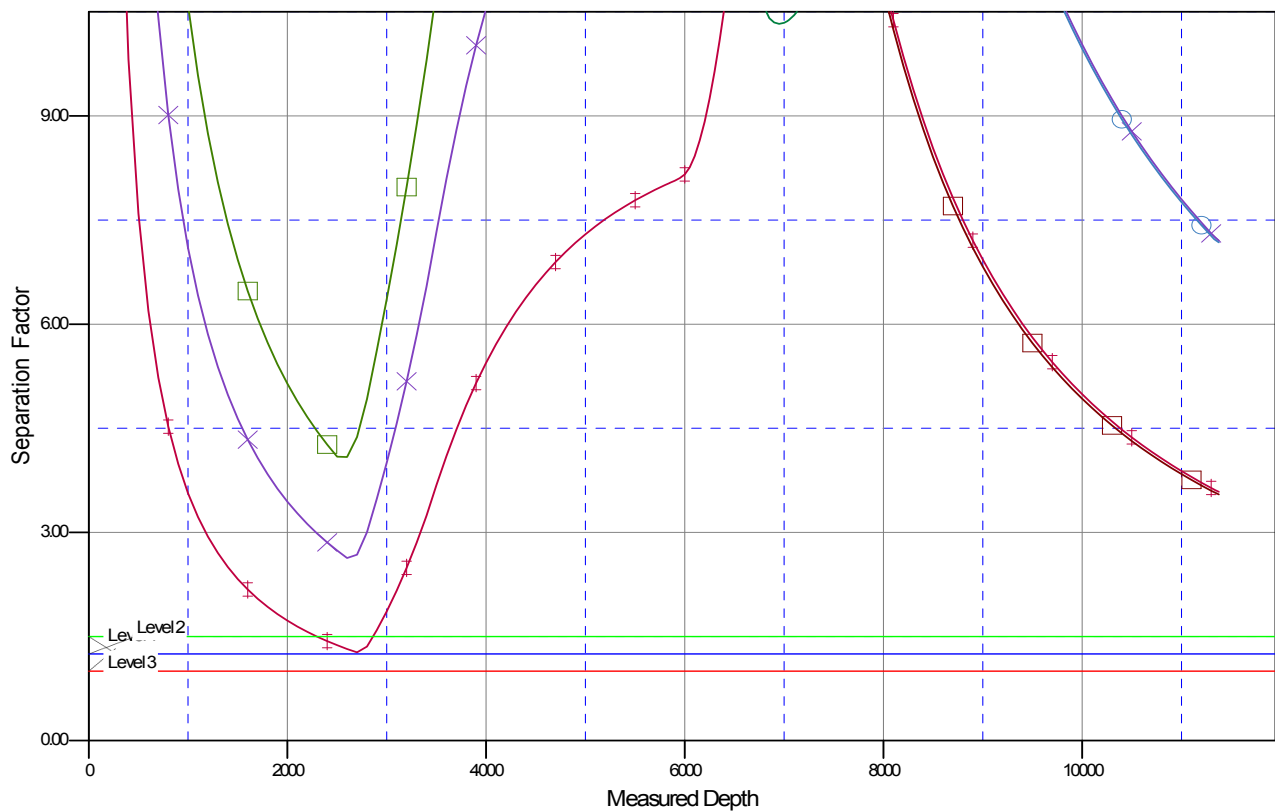
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Separation Factor Plot



LEGEND

- Coalmont0781 2-13H, Wellbore #1, Design #1 V0
- Coalmont0781 4-13H, Wellbore #1, Design #1 V0
- Coalmont0781 5-13H, Wellbore #1, Design #1 V0
- Hebron 01-18H, Wellbore #1, Wellbore #1 V0
- Hebron 0780 10-18H, Wellbore #1, Design #1 V0
- Hebron 0780 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
- Hebron 0780 2-18H, Wellbore #1, Wellbore #1 V0