

SandRidge Energy

North Park Basin

T6N-R81W-S23

Rabbit Ears 0681 3-23H

Wellbore #1

Design #1

Anticollision Summary Report

03 August, 2016

SandRidge Energy

Anticollision Summary Report

Company:	SandRidge Energy	Local Co-ordinate Reference:	Well Rabbit Ears 0681 3-23H
Project:	North Park Basin	TVD Reference:	KB @ 8324.0usft
Reference Site:	T6N-R81W-S23	MD Reference:	KB @ 8324.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	Rabbit Ears 0681 3-23H	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	8/2/2016		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	17,279.2	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
T6N-R81W-S23						
Rabbit Ears 0681 1-23H - Wellbore #1 - Design #1	2,797.9	2,797.3	25.7	13.4	2.096	CC
Rabbit Ears 0681 1-23H - Wellbore #1 - Design #1	2,800.0	2,799.5	25.7	13.4	2.094	ES, SF
Rabbit Ears 0681 2-23H - Wellbore #1 - Design #1	2,710.6	2,710.4	12.8	1.0	1.081	Level 2, CC, ES, SF

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Reference Well: Rabbit Ears 0681 3-23H	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 Depths are relative to KB @ 8324.0usft

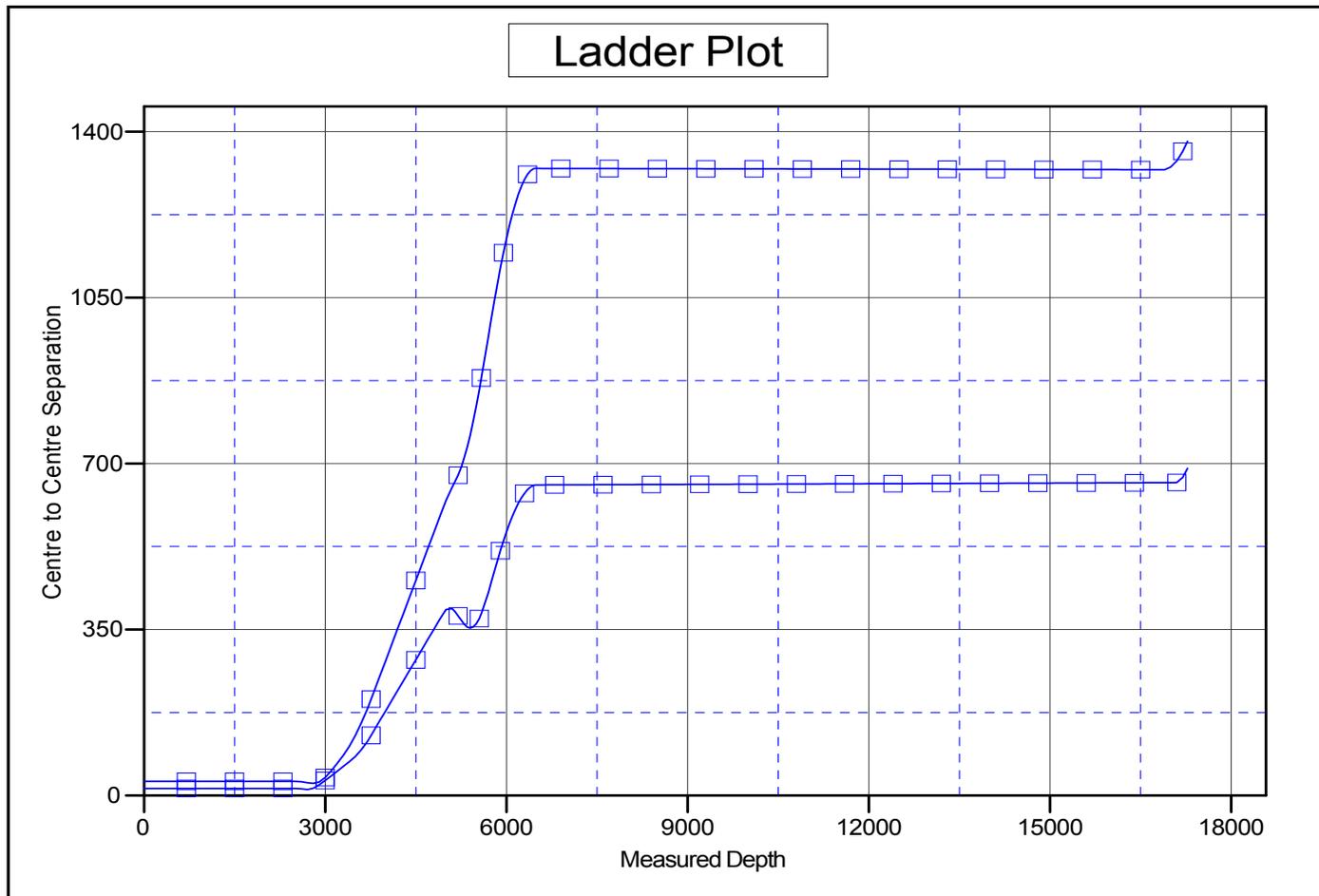
Offset Depths are relative to Offset Datum

Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: Rabbit Ears 0681 3-23H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: -0.62°



LEGEND

atbit Ears 0681 1-23H, Wellbore #1, Design #1 V0 —■— RabbitEars 0681 2-23H, Wellbore #1, Design #1 V0

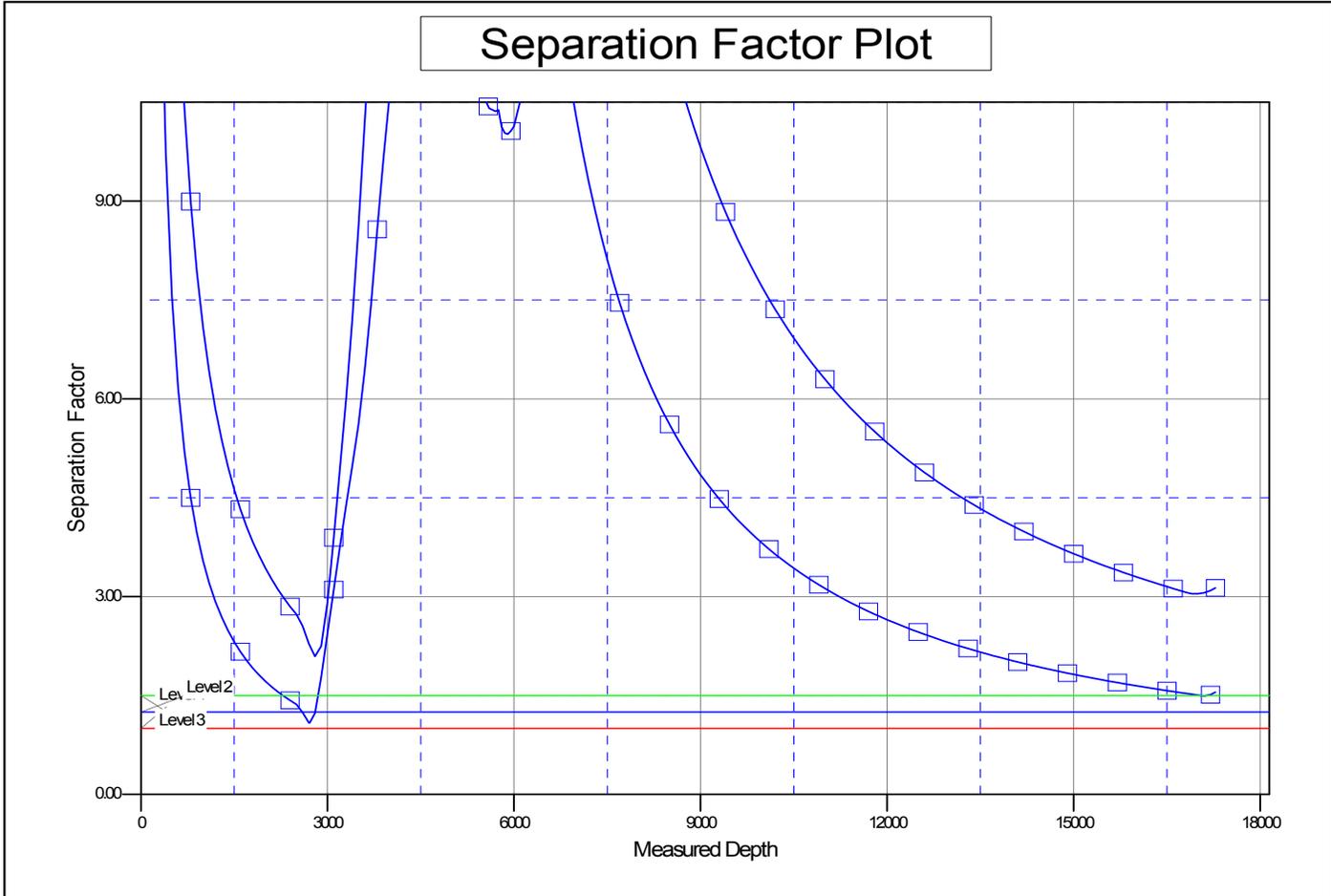
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Well Error: 0.0 usft	Output errors are at 2.00 sigma
Reference Wellbore Wellbore #1	Database: EDMProd
Reference Design: Design #1	Offset TVD Reference: Offset Datum

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 Offset Depths are relative to Offset Datum
 Central Meridian is 105° 30' 0.000 W

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 Coordinate System is US State Plane 1983, Colorado Northern Zone
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LEGEND

atbit Ears 0681 1-23H, Wellbore #1, Design #1 V0 ■ RabbitEars 0681 2-23H, Wellbore #1, Design #1 V0

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