District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011

Permit 342494

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address	2. OGRID Number
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	3. API Number 30-015-53893

4. Property Code	5. Property Name	6. Well No.
331076	GEORGE 14 15 24S 28E	133H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	14	24S	28E		1126	S	786	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
L	15	24S	28E	L	1980	S	110	W	Eddy

9. Pool Information

MALAGA;BONE SPRING	42780

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	OIL		Private	2976
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	19176	3rd Bone Spring Carbonate		6/23/2023
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ **We will be using a closed-loop system in lieu of lined pits**

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	605	525	0
Int1	9.875	7.625	29.7	8096	1350	0
Prod	6.75	5.5	20	19176	820	7896

Casing/Cement Program: Additional Comments

Option to drill surface hole with surface setting rig Option to set DV/Packer. Volumes will be adjusted for 2 stage job.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	3000	Cameron
Double Ram	10000	5000	Cameron
Pipe	10000	5000	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.** Signature:		**OIL CONSERVATION DIVISION**	
Printed Name:	Electronically filed by Brett A Jennings	Approved By:	Ward Rikala
Title:	Regulatory Analyst	Title:	
Email Address:	brett.jennings@matadorresources.com	Approved Date: 6/20/2023	Expiration Date: 6/20/2025
Date: 6/19/2023	Phone: 972-629-2160	Conditions of Approval Attached	

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District IV
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Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-015-53893	42780	Malaga; Bone Spring

[4]Property Code	[5]Property Name	[6]Well Number
331076	GEORGE 14 15 24S 28E	133H

[7]OGRID No.	[8]Operator Name	[9]Elevation
228937	MATADOR PRODUCTION COMPANY	2976'

[10]Surface Location

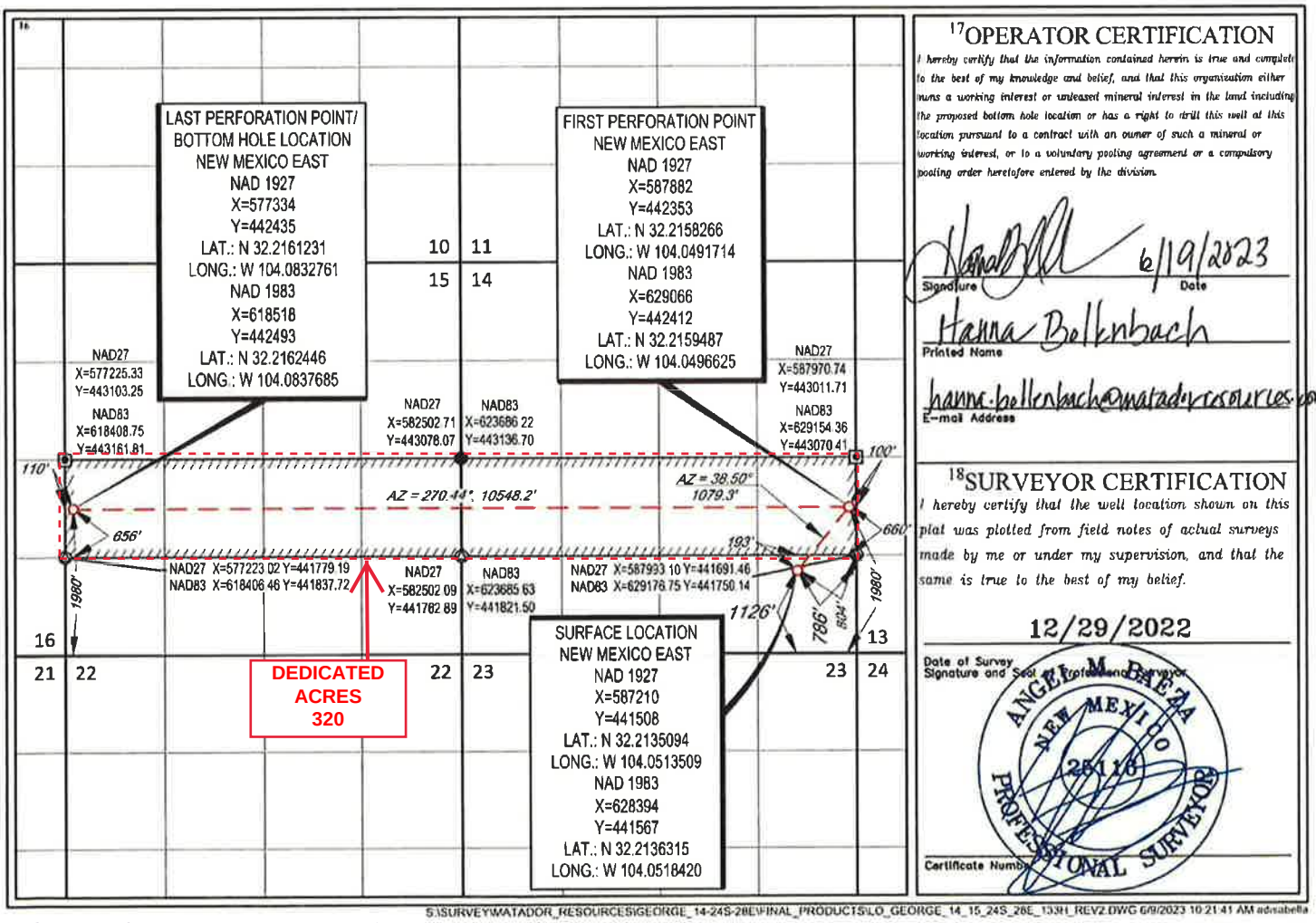
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	14	24-S	28-E	-	1126'	SOUTH	786'	EAST	EDDY

[11]Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	15	24-S	28-E	-	1980'	SOUTH	110'	WEST	EDDY

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
320			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



[17]OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 6/19/2023 Date

Hanna Bollenbach
Printed Name

hanna.bollenbach@matadorresources.com
E-mail Address

[18]SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

12/29/2022
Date of Survey
Signature and Seal of Professional Surveyor

ANGEL M. PEÑA
NEW MEXICO
25116
PROFESSIONAL SURVEYOR

Certificate Number

S:\SURVEY\MATADOR_RESOURCES\GEORGE_14-24S-28E\FINAL_PRODUCTS\LO_GEORGE_14_15_24S_28E_133H_REV2.DWG 6/9/2023 10:21:41 AM adrisabella

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 342494

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	30-015-53893
	Well: GEORGE 14 15 24S 28E #133H

OCD Reviewer	Condition
ward.rikala	Notify OCD 24 hours prior to casing & cement
ward.rikala	Will require a File As Drilled C-102 and a Directional Survey with the C-104
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
ward.rikala	Cement is required to circulate on both surface and intermediate1 strings of casing
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
ward.rikala	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud

Matador Production Company

Rustler Breaks
George
George #133H

Wellbore #1
State Plan #1

Anticollision Report

15 May, 2023

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Reference State Plan #1

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
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:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 5/15/2023

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	19,176.7	State Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary

Site Name / Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Anne Com						
Anne Com #202H - Wellbore #1 - Actual	19,176.7	8,877.7	1,055.1	767.4	3.667	CC, ES, SF
Anne Com #222H - Wellbore #1 - Actual	19,176.7	8,857.2	1,194.6	906.5	4.146	CC, ES, SF
Dr Ellis						
Dr Ellis #113H - Wellbore #1 - State Plan #1	7,220.2	7,088.0	439.1	387.7	8.543	CC, ES, SF
Dr Ellis #123H - Wellbore #1 - State Plan #1 - On Lease	300.0	303.0	42.7	41.0	25.095	CC, ES
Dr Ellis #123H - Wellbore #1 - State Plan #1 - On Lease	7,913.3	7,923.5	132.4	74.5	2.286	SF
Dr Ellis #123H - Wellbore #1 - State Plan #2 - Off Lease	2,607.2	2,601.5	35.3	17.4	1.972	CC, ES, SF
Dr Ellis #133H - Wellbore #1 - State Plan #1	856.7	855.3	100.6	94.9	17.763	CC
Dr Ellis #133H - Wellbore #1 - State Plan #1	900.0	901.9	100.8	94.8	16.806	ES
Dr Ellis #133H - Wellbore #1 - State Plan #1	8,250.0	8,217.1	291.9	226.3	4.446	SF
George						
George #113H - Wellbore #1 - Actual	7,514.9	7,810.4	108.4	50.6	1.876	SF
George #113H - Wellbore #1 - Actual	7,519.5	7,810.3	108.3	50.6	1.877	CC, ES
George #114H - Sidetrack - Sidetrack	957.2	956.4	18.3	12.2	2.987	CC, ES
George #114H - Sidetrack - Sidetrack	1,000.0	999.0	18.9	12.5	2.936	SF
George #114H - Wellbore #1 - Actual	957.2	956.4	18.3	12.2	2.987	CC, ES
George #114H - Wellbore #1 - Actual	1,000.0	999.0	18.9	12.5	2.936	SF
George #114H - Wellbore #1 - Altitude Plan #2	957.0	956.3	18.3	12.0	2.905	CC, ES
George #114H - Wellbore #1 - Altitude Plan #2	1,000.0	999.0	18.9	12.3	2.860	SF
George #114H - Wellbore #1 - Altitude Plan #3 (ST)	957.2	956.4	18.3	12.0	2.906	CC, ES
George #114H - Wellbore #1 - Altitude Plan #3 (ST)	1,000.0	999.0	18.9	12.3	2.862	SF
George #123H - Wellbore #1 - Actual	8,395.4	8,626.9	67.5	4.2	1.067	Level 2, CC
George #123H - Wellbore #1 - Actual	8,400.0	8,629.3	67.6	4.1	1.065	Level 2, ES, SF
George #134H - Wellbore #1 - State Plan #1	300.0	300.0	30.0	28.3	17.761	CC
George #134H - Wellbore #1 - State Plan #1	400.0	400.0	30.5	28.1	12.748	ES
George #134H - Wellbore #1 - State Plan #1	19,176.7	19,170.6	1,259.4	749.6	2.470	SF
Janie Conner						
Janie Conner #203H - Wellbore #1 - Final Survey	8,646.8	8,599.3	318.3	256.4	5.143	CC, ES, SF
Janie Conner #207H - Wellbore #1 - Wellbore #1	4,587.5	4,539.0	313.2	280.0	9.438	CC
Janie Conner #207H - Wellbore #1 - Wellbore #1	4,600.0	4,550.9	313.2	279.9	9.409	ES
Janie Conner #207H - Wellbore #1 - Wellbore #1	4,900.0	4,840.5	324.3	288.7	9.093	SF
Janie Conner #223H - Wellbore #1 - Final Survey	8,788.9	8,627.3	66.4	3.9	1.062	Level 2, CC, ES, SF

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Kathy Kregor						
Kathy Kregor Fed Com #114H - Wellbore #1 - BLM Plan	1,521.4	1,522.6	59.5	49.1	5.737	CC, ES
Kathy Kregor Fed Com #114H - Wellbore #1 - BLM Plan	1,600.3	1,599.3	61.3	50.4	5.618	SF
Kathy Kregor Fed Com #134H - Wellbore #1 - BLM Plan	1,081.2	1,081.3	97.2	90.0	13.471	CC
Kathy Kregor Fed Com #134H - Wellbore #1 - BLM Plan	1,100.0	1,099.7	97.2	89.9	13.236	ES
Kathy Kregor Fed Com #134H - Wellbore #1 - BLM Plan	1,400.0	1,391.2	110.7	101.3	11.787	SF
Ken Wilson						
Ken Wilson #122H - Wellbore #1 - State Plan #1	8,028.8	7,886.9	1,336.3	1,277.6	22.762	CC
Ken Wilson #122H - Wellbore #1 - State Plan #1	19,176.7	18,583.5	1,538.3	1,066.1	3.257	ES, SF
Ken Wilson #132H - Wellbore #1 - State Plan #1	8,246.3	8,312.4	1,377.4	1,315.3	22.209	CC
Ken Wilson #132H - Wellbore #1 - State Plan #1	19,176.7	19,205.8	1,402.8	890.5	2.738	ES, SF
Non-Op Rustler Breaks Wells						
Willow Lake '15' #1 - Wellbore #1 - Design #1	15,908.6	5,729.4	1,167.8	971.3	5.943	CC, ES
Willow Lake '15' #1 - Wellbore #1 - Design #1	16,000.0	5,728.4	1,171.3	973.6	5.922	SF
Willow Lake WA 15 #1H - Wellbore #1 - Wellbore #1	13,672.0	8,758.2	481.3	329.0	3.160	CC, ES
Willow Lake WA 15 #1H - Wellbore #1 - Wellbore #1	13,700.0	8,758.0	482.2	329.1	3.151	SF
Willow Lake WC 15 #1H - Wellbore #1 - Wellbore #1	13,771.1	8,750.6	223.3	68.9	1.446	Level 3, CC, ES, SF
Tiger						
Tiger #204H - Wellbore #1 - Final Survey	1,803.3	1,808.7	855.3	842.9	69.297	CC
Tiger #204H - Wellbore #1 - Final Survey	1,900.0	1,897.1	855.8	842.8	65.941	ES
Tiger #204H - Wellbore #1 - Final Survey	13,800.0	14,463.0	1,468.0	1,257.5	6.973	SF
Tiger #227H - Wellbore #1 - Final Survey	3,988.8	3,943.4	542.6	513.7	18.788	CC
Tiger #227H - Wellbore #1 - Final Survey	4,000.0	3,953.4	542.6	513.7	18.735	ES
Tiger #227H - Wellbore #1 - Final Survey	8,550.0	8,450.4	882.2	820.2	14.229	SF

Offset Design Anne Com - Anne Com #202H - Wellbore #1 - Actual

Survey Program: 200-MWD

Offset Site Error: 0.0 usft

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	71.5	71.5	0.0	0.1	-78.35	1,878.2	-9,107.6	9,299.3				
100.0	100.0	228.0	228.0	0.1	0.4	-78.35	1,878.2	-9,106.4	9,298.5	9,298.0	0.54	N/A	
200.0	200.0	313.9	313.8	0.5	0.7	-78.35	1,878.1	-9,105.6	9,297.6	9,296.4	1.20	7,732.435	
300.0	300.0	399.9	399.9	0.8	1.0	-78.35	1,878.0	-9,105.0	9,296.9	9,295.0	1.87	4,977.125	
400.0	400.0	486.8	486.7	1.2	1.3	71.09	1,877.9	-9,104.5	9,296.0	9,293.5	2.52	3,685.504	
424.5	424.5	508.1	508.1	1.3	1.4	71.09	1,877.9	-9,104.4	9,295.7	9,293.0	2.68	3,467.372	
500.0	500.0	578.4	578.4	1.5	1.7	71.10	1,878.0	-9,104.0	9,294.8	9,291.6	3.19	2,915.399	
600.0	599.9	672.3	672.3	1.9	2.0	71.12	1,878.3	-9,103.6	9,293.7	9,289.9	3.87	2,401.899	
700.0	699.9	733.3	733.2	2.2	2.2	71.13	1,878.7	-9,103.4	9,292.8	9,288.4	4.43	2,096.718	
800.0	799.9	786.5	786.5	2.6	2.4	71.14	1,879.0	-9,103.5	9,292.4	9,287.4	4.97	1,870.073	
830.9	830.8	803.0	803.0	2.7	2.4	71.14	1,879.0	-9,103.6	9,292.4	9,287.3	5.14	1,809.531	
900.0	899.9	872.0	872.0	2.9	2.7	71.15	1,879.5	-9,104.2	9,292.6	9,287.0	5.62	1,654.173	
1,000.0	999.9	872.0	872.0	3.3	2.7	71.15	1,879.5	-9,104.2	9,293.2	9,287.2	5.97	1,555.396	
1,100.0	1,099.8	872.0	872.0	3.7	2.7	71.15	1,879.5	-9,104.2	9,294.8	9,288.4	6.33	1,467.770	
1,200.0	1,199.8	941.5	941.4	4.0	2.9	71.16	1,880.0	-9,105.7	9,296.6	9,289.6	6.93	1,342.373	
1,300.0	1,299.8	970.5	970.4	4.4	3.0	71.16	1,880.3	-9,106.7	9,299.4	9,292.0	7.38	1,259.841	
1,400.0	1,399.8	1,059.0	1,058.8	4.7	3.3	71.18	1,881.5	-9,111.1	9,303.7	9,295.7	8.04	1,157.390	
1,475.7	1,475.5	1,059.0	1,058.8	5.0	3.3	71.18	1,881.5	-9,111.1	9,306.6	9,298.3	8.31	1,120.073	
1,500.0	1,499.7	1,059.0	1,058.8	5.1	3.3	71.19	1,881.5	-9,111.1	9,307.6	9,299.2	8.40	1,108.655	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Anne Com - Anne Com #202H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 200-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
1,600.3	1,600.0	1,059.0	1,058.8	5.4	3.3	-78.18	1,881.5	-9,111.1	9,313.0	9,304.3	8.74	1,065.552	
1,700.0	1,699.7	1,120.4	1,120.1	5.8	3.5	-120.45	1,882.3	-9,114.9	9,319.9	9,310.6	9.28	1,003.933	
1,800.0	1,799.7	1,185.6	1,185.1	6.1	3.8	-120.40	1,882.7	-9,119.4	9,328.0	9,318.2	9.84	947.945	
1,900.0	1,899.6	14,301.0	9,607.9	6.4	120.0	-114.60	1,935.0	-4,922.8	9,317.0	9,269.5	47.51	196.125	
2,000.0	1,999.4	14,301.0	9,607.9	6.8	120.0	-115.84	1,935.0	-4,922.8	9,236.3	9,188.5	47.72	193.569	
2,100.0	2,099.1	14,301.0	9,607.9	7.1	120.0	-117.03	1,935.0	-4,922.8	9,156.3	9,108.4	47.93	191.035	
2,200.0	2,198.6	14,301.0	9,607.9	7.5	120.0	-118.18	1,935.0	-4,922.8	9,077.3	9,029.1	48.15	188.527	
2,300.0	2,298.0	14,301.0	9,607.9	7.8	120.0	-119.28	1,935.0	-4,922.8	8,999.2	8,950.8	48.37	186.046	
2,400.0	2,397.1	14,301.0	9,607.9	8.2	120.0	-120.33	1,935.0	-4,922.8	8,922.0	8,873.4	48.60	183.595	
2,500.0	2,496.0	14,301.0	9,607.9	8.5	120.0	-121.33	1,935.0	-4,922.8	8,845.9	8,797.1	48.83	181.175	
2,600.0	2,594.7	14,301.0	9,607.9	8.9	120.0	-122.30	1,935.0	-4,922.8	8,770.9	8,721.8	49.06	178.786	
2,697.6	2,690.7	14,301.0	9,607.9	9.3	120.0	-123.20	1,935.0	-4,922.8	8,698.7	8,649.4	49.29	176.485	
2,700.0	2,693.0	14,301.0	9,607.9	9.3	120.0	-123.20	1,935.0	-4,922.8	8,697.0	8,647.7	49.29	176.436	
2,800.0	2,791.2	14,301.0	9,607.9	9.7	120.0	-123.20	1,935.0	-4,922.8	8,623.9	8,574.4	49.54	174.077	
2,900.0	2,889.3	14,301.0	9,607.9	10.1	120.0	-123.20	1,935.0	-4,922.8	8,551.4	8,501.6	49.80	171.717	
3,000.0	2,987.5	14,301.0	9,607.9	10.5	120.0	-123.20	1,935.0	-4,922.8	8,479.4	8,429.4	50.07	169.360	
3,100.0	3,085.7	14,301.0	9,607.9	10.9	120.0	-123.20	1,935.0	-4,922.8	8,408.1	8,357.7	50.34	167.009	
3,200.0	3,183.8	14,301.0	9,607.9	11.3	120.0	-123.20	1,935.0	-4,922.8	8,337.3	8,286.6	50.63	164.667	
3,300.0	3,282.0	14,301.0	9,607.9	11.7	120.0	-123.20	1,935.0	-4,922.8	8,267.1	8,216.1	50.93	162.337	
3,400.0	3,380.2	14,301.0	9,607.9	12.1	120.0	-123.20	1,935.0	-4,922.8	8,197.5	8,146.3	51.23	160.021	
3,500.0	3,478.4	14,301.0	9,607.9	12.6	120.0	-123.20	1,935.0	-4,922.8	8,128.5	8,077.0	51.54	157.722	
3,600.0	3,576.5	14,301.0	9,607.9	13.0	120.0	-123.20	1,935.0	-4,922.8	8,060.3	8,008.4	51.85	155.442	
3,700.0	3,674.7	14,301.0	9,607.9	13.4	120.0	-123.20	1,935.0	-4,922.8	7,992.6	7,940.5	52.18	153.182	
3,800.0	3,772.9	14,301.0	9,607.9	13.8	120.0	-123.20	1,935.0	-4,922.8	7,925.7	7,873.2	52.51	150.944	
3,900.0	3,871.1	14,301.0	9,607.9	14.3	120.0	-123.20	1,935.0	-4,922.8	7,859.5	7,806.6	52.84	148.728	
4,000.0	3,969.2	14,301.0	9,607.9	14.7	120.0	-123.20	1,935.0	-4,922.8	7,793.9	7,740.8	53.19	146.538	
4,100.0	4,067.4	14,301.0	9,607.9	15.1	120.0	-123.20	1,935.0	-4,922.8	7,729.2	7,675.6	53.54	144.373	
4,200.0	4,165.6	14,301.0	9,607.9	15.6	120.0	-123.20	1,935.0	-4,922.8	7,665.1	7,611.3	53.89	142.234	
4,300.0	4,263.7	14,301.0	9,607.9	16.0	120.0	-123.20	1,935.0	-4,922.8	7,601.9	7,547.6	54.25	140.123	
4,400.0	4,361.9	14,301.0	9,607.9	16.5	120.0	-123.20	1,935.0	-4,922.8	7,539.5	7,484.8	54.62	138.040	
4,500.0	4,460.1	14,301.0	9,607.9	16.9	120.0	-123.20	1,935.0	-4,922.8	7,477.8	7,422.8	54.99	135.987	
4,600.0	4,558.3	14,301.0	9,607.9	17.4	120.0	-123.20	1,935.0	-4,922.8	7,417.0	7,361.7	55.37	133.964	
4,700.0	4,656.4	14,301.0	9,607.9	17.8	120.0	-123.20	1,935.0	-4,922.8	7,357.1	7,301.3	55.75	131.971	
4,800.0	4,754.6	14,301.0	9,607.9	18.2	120.0	-123.20	1,935.0	-4,922.8	7,298.0	7,241.9	56.13	130.009	
4,900.0	4,852.8	14,301.0	9,607.9	18.7	120.0	-123.20	1,935.0	-4,922.8	7,239.9	7,183.3	56.53	128.080	
5,000.0	4,950.9	14,301.0	9,607.9	19.1	120.0	-123.20	1,935.0	-4,922.8	7,182.6	7,125.7	56.92	126.182	
5,100.0	5,049.1	14,301.0	9,607.9	19.6	120.0	-123.20	1,935.0	-4,922.8	7,126.3	7,069.0	57.32	124.318	
5,200.0	5,147.3	14,301.0	9,607.9	20.0	120.0	-123.20	1,935.0	-4,922.8	7,071.0	7,013.3	57.73	122.486	
5,300.0	5,245.5	14,301.0	9,607.9	20.5	120.0	-123.20	1,935.0	-4,922.8	7,016.7	6,958.5	58.14	120.689	
5,400.0	5,343.6	14,301.0	9,607.9	20.9	120.0	-123.20	1,935.0	-4,922.8	6,963.3	6,904.8	58.55	118.926	
5,500.0	5,441.8	14,301.0	9,607.9	21.4	120.0	-123.20	1,935.0	-4,922.8	6,911.0	6,852.1	58.97	117.197	
5,600.0	5,540.0	14,301.0	9,607.9	21.8	120.0	-123.20	1,935.0	-4,922.8	6,859.8	6,800.4	59.39	115.503	
5,700.0	5,638.1	14,301.0	9,607.9	22.3	120.0	-123.20	1,935.0	-4,922.8	6,809.6	6,749.8	59.82	113.844	
5,800.0	5,736.3	14,301.0	9,607.9	22.8	120.0	-123.20	1,935.0	-4,922.8	6,760.6	6,700.4	60.24	112.221	
5,900.0	5,834.5	14,301.0	9,607.9	23.2	120.0	-123.20	1,935.0	-4,922.8	6,712.7	6,652.0	60.67	110.634	
6,000.0	5,932.7	14,301.0	9,607.9	23.7	120.0	-123.20	1,935.0	-4,922.8	6,665.9	6,604.8	61.11	109.082	
6,100.0	6,030.8	14,301.0	9,607.9	24.1	120.0	-123.20	1,935.0	-4,922.8	6,620.3	6,558.8	61.55	107.567	
6,200.0	6,129.0	14,301.0	9,607.9	24.6	120.0	-123.20	1,935.0	-4,922.8	6,576.0	6,514.0	61.99	106.089	
6,300.0	6,227.2	14,301.0	9,607.9	25.0	120.0	-123.20	1,935.0	-4,922.8	6,532.8	6,470.4	62.43	104.647	
6,400.0	6,325.3	14,301.0	9,607.9	25.5	120.0	-123.20	1,935.0	-4,922.8	6,490.9	6,428.1	62.87	103.242	
6,500.0	6,423.5	14,301.0	9,607.9	25.9	120.0	-123.20	1,935.0	-4,922.8	6,450.3	6,387.0	63.32	101.873	
6,600.0	6,521.7	14,301.0	9,607.9	26.4	120.0	-123.20	1,935.0	-4,922.8	6,411.0	6,347.3	63.76	100.542	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Anne Com - Anne Com #202H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 200-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,700.0	6,619.9	14,301.0	9,607.9	26.9	120.0	-123.20	1,935.0	-4,922.8	6,373.0	6,308.8	64.21	99.249	
6,800.0	6,718.0	14,301.0	9,607.9	27.3	120.0	-123.20	1,935.0	-4,922.8	6,336.4	6,271.8	64.66	97.992	
6,900.0	6,816.2	14,301.0	9,607.9	27.8	120.0	-123.20	1,935.0	-4,922.8	6,301.2	6,236.0	65.11	96.773	
7,000.0	6,914.4	14,301.0	9,607.9	28.2	120.0	-123.20	1,935.0	-4,922.8	6,267.3	6,201.7	65.56	95.591	
7,100.0	7,012.5	14,301.0	9,607.9	28.7	120.0	-123.20	1,935.0	-4,922.8	6,234.9	6,168.8	66.01	94.446	
7,200.0	7,110.7	14,301.0	9,607.9	29.1	120.0	-123.20	1,935.0	-4,922.8	6,203.9	6,137.4	66.47	93.339	
7,300.0	7,208.9	14,301.0	9,607.9	29.6	120.0	-123.20	1,935.0	-4,922.8	6,174.3	6,107.4	66.92	92.269	
7,400.0	7,307.1	14,301.0	9,607.9	30.1	120.0	-123.20	1,935.0	-4,922.8	6,146.3	6,078.9	67.37	91.237	
7,500.0	7,405.2	14,301.0	9,607.9	30.5	120.0	-123.20	1,935.0	-4,922.8	6,119.8	6,051.9	67.82	90.242	
7,514.9	7,419.9	14,301.0	9,607.9	30.6	120.0	-123.20	1,935.0	-4,922.8	6,115.9	6,048.0	67.88	90.096	
7,600.0	7,503.6	14,301.0	9,607.9	31.0	120.0	-122.92	1,935.0	-4,922.8	6,094.2	6,026.0	68.27	89.272	
7,700.0	7,602.4	14,301.0	9,607.9	31.4	120.0	-122.59	1,935.0	-4,922.8	6,068.9	6,000.2	68.72	88.310	
7,800.0	7,701.5	14,301.0	9,607.9	31.8	120.0	-122.26	1,935.0	-4,922.8	6,043.7	5,974.5	69.19	87.356	
7,900.0	7,801.0	14,301.0	9,607.9	32.2	120.0	-121.93	1,935.0	-4,922.8	6,018.8	5,949.1	69.65	86.411	
8,000.0	7,900.7	14,301.0	9,607.9	32.6	120.0	-121.61	1,935.0	-4,922.8	5,994.0	5,923.9	70.13	85.475	
8,100.0	8,000.5	14,301.0	9,607.9	32.9	120.0	-121.28	1,935.0	-4,922.8	5,969.5	5,898.9	70.60	84.550	
8,200.0	8,100.5	14,301.0	9,607.9	33.2	120.0	-120.96	1,935.0	-4,922.8	5,945.2	5,874.2	71.09	83.634	
8,246.5	8,147.0	14,301.0	9,607.9	33.4	120.0	-78.49	1,935.0	-4,922.8	5,934.1	5,862.7	71.31	83.213	
8,250.0	8,150.5	14,301.0	9,607.9	33.4	120.0	11.09	1,935.0	-4,922.8	5,933.2	5,861.9	71.33	83.181	
8,300.0	8,200.4	14,301.0	9,607.9	33.5	120.0	11.38	1,935.0	-4,922.8	5,919.1	5,847.5	71.56	82.710	
8,350.0	8,249.9	14,301.0	9,607.9	33.6	120.0	11.76	1,935.0	-4,922.8	5,901.3	5,829.5	71.80	82.195	
8,400.0	8,298.7	14,301.0	9,607.9	33.7	120.0	12.25	1,935.0	-4,922.8	5,879.9	5,807.9	72.02	81.642	
8,450.0	8,346.2	14,301.0	9,607.9	33.8	120.0	12.87	1,935.0	-4,922.8	5,855.1	5,782.9	72.24	81.055	
8,500.0	8,392.3	14,301.0	9,607.9	33.9	120.0	13.65	1,935.0	-4,922.8	5,827.0	5,754.6	72.44	80.436	
8,550.0	8,436.5	14,301.0	9,607.9	33.9	120.0	14.63	1,935.0	-4,922.8	5,795.8	5,723.1	72.64	79.788	
8,600.0	8,478.5	14,301.0	9,607.9	34.0	120.0	15.87	1,935.0	-4,922.8	5,761.6	5,688.8	72.83	79.115	
8,650.0	8,518.0	14,301.0	9,607.9	34.0	120.0	17.44	1,935.0	-4,922.8	5,724.7	5,651.7	73.00	78.419	
8,700.0	8,554.6	14,301.0	9,607.9	34.0	120.0	19.46	1,935.0	-4,922.8	5,685.3	5,612.1	73.17	77.704	
8,750.0	8,588.1	14,301.0	9,607.9	34.0	120.0	22.15	1,935.0	-4,922.8	5,643.6	5,570.3	73.32	76.971	
8,800.0	8,618.3	14,301.0	9,607.9	33.9	120.0	25.78	1,935.0	-4,922.8	5,600.0	5,526.5	73.47	76.225	
8,850.0	8,644.9	14,301.0	9,607.9	33.9	120.0	30.89	1,935.0	-4,922.8	5,554.6	5,481.0	73.60	75.468	
8,900.0	8,667.7	14,301.0	9,607.9	33.9	120.0	38.36	1,935.0	-4,922.8	5,507.9	5,434.2	73.73	74.703	
8,950.0	8,686.6	14,301.0	9,607.9	33.9	120.0	49.62	1,935.0	-4,922.8	5,460.1	5,386.3	73.85	73.934	
9,000.0	8,701.3	14,301.0	9,607.9	33.9	120.0	66.51	1,935.0	-4,922.8	5,411.6	5,337.7	73.97	73.163	
9,050.0	8,711.8	14,301.0	9,607.9	33.9	120.0	88.89	1,935.0	-4,922.8	5,362.8	5,288.7	74.08	72.395	
9,100.0	8,718.1	14,301.0	9,607.9	33.9	120.0	111.41	1,935.0	-4,922.8	5,313.9	5,239.7	74.18	71.632	
9,146.5	8,720.0	14,301.0	9,607.9	33.9	120.0	127.55	1,935.0	-4,922.8	5,268.8	5,194.5	74.28	70.931	
9,200.0	8,720.0	14,301.0	9,607.9	34.1	120.0	127.55	1,935.0	-4,922.8	5,217.2	5,142.8	74.40	70.128	
9,300.0	8,720.0	14,301.0	9,607.9	34.5	120.0	127.55	1,935.0	-4,922.8	5,120.9	5,046.3	74.63	68.618	
9,400.0	8,720.0	14,301.0	9,607.9	35.2	120.0	127.55	1,935.0	-4,922.8	5,024.8	4,949.9	74.89	67.099	
9,500.0	8,720.0	14,301.0	9,607.9	36.2	120.0	127.55	1,935.0	-4,922.8	4,928.8	4,853.6	75.17	65.570	
9,600.0	8,720.0	14,301.0	9,607.9	37.3	120.0	127.55	1,935.0	-4,922.8	4,833.0	4,757.5	75.48	64.032	
9,700.0	8,720.0	14,301.0	9,607.9	38.6	120.0	127.55	1,935.0	-4,922.8	4,737.3	4,661.5	75.82	62.483	
9,800.0	8,720.0	14,301.0	9,607.9	39.9	120.0	127.55	1,935.0	-4,922.8	4,641.9	4,565.7	76.19	60.925	
9,900.0	8,720.0	14,301.0	9,607.9	41.4	120.0	127.55	1,935.0	-4,922.8	4,546.6	4,470.0	76.60	59.357	
10,000.0	8,720.0	14,301.0	9,607.9	43.0	120.0	127.55	1,935.0	-4,922.8	4,451.5	4,374.5	77.04	57.779	
10,100.0	8,720.0	14,301.0	9,607.9	44.6	120.0	127.55	1,935.0	-4,922.8	4,356.7	4,279.1	77.53	56.192	
10,200.0	8,720.0	14,301.0	9,607.9	46.3	120.0	127.55	1,935.0	-4,922.8	4,262.1	4,184.0	78.07	54.595	
10,300.0	8,720.0	14,301.0	9,607.9	48.1	120.0	127.55	1,935.0	-4,922.8	4,167.7	4,089.1	78.65	52.990	
10,400.0	8,720.0	14,301.0	9,607.9	50.0	120.0	127.55	1,935.0	-4,922.8	4,073.6	3,994.3	79.29	51.375	
10,500.0	8,720.0	14,301.0	9,607.9	51.8	120.0	127.55	1,935.0	-4,922.8	3,979.8	3,899.8	79.99	49.753	
10,600.0	8,720.0	14,301.0	9,607.9	53.8	120.0	127.55	1,935.0	-4,922.8	3,886.3	3,805.6	80.76	48.124	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Anne Com - Anne Com #202H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 200-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,700.0	8,720.0	14,301.0	9,607.9	55.8	120.0	127.55	1,935.0	-4,922.8	3,793.2	3,711.6	81.59	46.489	
10,800.0	8,720.0	14,301.0	9,607.9	57.8	120.0	127.55	1,935.0	-4,922.8	3,700.4	3,617.9	82.51	44.849	
10,900.0	8,720.0	14,301.0	9,607.9	59.8	120.0	127.55	1,935.0	-4,922.8	3,607.9	3,524.4	83.51	43.205	
11,000.0	8,720.0	14,301.0	9,607.9	61.9	120.0	127.55	1,935.0	-4,922.8	3,515.9	3,431.3	84.60	41.559	
11,100.0	8,720.0	14,301.0	9,607.9	64.0	120.0	127.55	1,935.0	-4,922.8	3,424.4	3,338.6	85.79	39.914	
11,200.0	8,720.0	14,301.0	9,607.9	66.1	120.0	127.55	1,935.0	-4,922.8	3,333.3	3,246.2	87.10	38.271	
11,300.0	8,720.0	14,301.0	9,607.9	68.2	120.0	127.55	1,935.0	-4,922.8	3,242.8	3,154.3	88.52	36.632	
11,400.0	8,720.0	14,301.0	9,607.9	70.4	120.0	127.55	1,935.0	-4,922.8	3,152.8	3,062.7	90.08	35.001	
11,500.0	8,720.0	14,301.0	9,607.9	72.6	120.0	127.55	1,935.0	-4,922.8	3,063.5	2,971.7	91.77	33.381	
11,600.0	8,720.0	14,301.0	9,607.9	74.8	120.0	127.55	1,935.0	-4,922.8	2,974.8	2,881.2	93.62	31.775	
11,700.0	8,720.0	14,301.0	9,607.9	77.0	120.0	127.55	1,935.0	-4,922.8	2,886.9	2,791.2	95.64	30.186	
11,800.0	8,720.0	14,301.0	9,607.9	79.2	120.0	127.55	1,935.0	-4,922.8	2,799.7	2,701.9	97.83	28.619	
11,900.0	8,720.0	14,301.0	9,607.9	81.5	120.0	127.55	1,935.0	-4,922.8	2,713.5	2,613.3	100.22	27.077	
12,000.0	8,720.0	14,301.0	9,607.9	83.7	120.0	127.55	1,935.0	-4,922.8	2,628.2	2,525.4	102.81	25.564	
12,100.0	8,720.0	14,301.0	9,607.9	86.0	120.0	127.55	1,935.0	-4,922.8	2,544.1	2,438.4	105.62	24.086	
12,200.0	8,720.0	14,301.0	9,607.9	88.3	120.0	127.55	1,935.0	-4,922.8	2,461.1	2,352.4	108.68	22.646	
12,300.0	8,720.0	14,301.0	9,607.9	90.5	120.0	127.55	1,935.0	-4,922.8	2,379.4	2,267.4	111.98	21.249	
12,400.0	8,720.0	14,301.0	9,607.9	92.8	120.0	127.55	1,935.0	-4,922.8	2,299.1	2,183.6	115.55	19.898	
12,500.0	8,720.0	14,301.0	9,607.9	95.1	120.0	127.55	1,935.0	-4,922.8	2,220.5	2,101.1	119.39	18.598	
12,600.0	8,720.0	14,301.0	9,607.9	97.4	120.0	127.55	1,935.0	-4,922.8	2,143.6	2,020.1	123.53	17.353	
12,700.0	8,720.0	14,301.0	9,607.9	99.8	120.0	127.55	1,935.0	-4,922.8	2,068.8	1,940.8	127.96	16.167	
12,800.0	8,720.0	14,301.0	9,607.9	102.1	120.0	127.55	1,935.0	-4,922.8	1,996.1	1,863.4	132.70	15.042	
12,900.0	8,720.0	14,301.0	9,607.9	104.4	120.0	127.55	1,935.0	-4,922.8	1,925.9	1,788.1	137.73	13.983	
13,000.0	8,720.0	14,301.0	9,607.9	106.7	120.0	127.55	1,935.0	-4,922.8	1,858.4	1,715.3	143.06	12.990	
13,100.0	8,720.0	14,301.0	9,607.9	109.1	120.0	127.55	1,935.0	-4,922.8	1,793.9	1,645.2	148.66	12.067	
13,200.0	8,720.0	14,301.0	9,607.9	111.4	120.0	127.55	1,935.0	-4,922.8	1,732.8	1,578.3	154.50	11.216	
13,300.0	8,720.0	14,301.0	9,607.9	113.8	120.0	127.55	1,935.0	-4,922.8	1,675.5	1,515.0	160.53	10.437	
13,400.0	8,720.0	14,301.0	9,607.9	116.1	120.0	127.55	1,935.0	-4,922.8	1,622.3	1,455.6	166.69	9.733	
13,500.0	8,720.0	14,301.0	9,607.9	118.5	120.0	127.55	1,935.0	-4,922.8	1,573.7	1,400.8	172.89	9.102	
13,600.0	8,720.0	14,301.0	9,607.9	120.8	120.0	127.55	1,935.0	-4,922.8	1,530.0	1,351.0	179.03	8.546	
13,700.0	8,720.0	14,301.0	9,607.9	123.2	120.0	127.55	1,935.0	-4,922.8	1,491.8	1,306.9	184.98	8.065	
13,800.0	8,720.0	14,301.0	9,607.9	125.6	120.0	127.55	1,935.0	-4,922.8	1,459.5	1,268.9	190.61	7.657	
13,900.0	8,720.0	14,301.0	9,607.9	127.9	120.0	127.55	1,935.0	-4,922.8	1,433.4	1,237.7	195.76	7.323	
14,000.0	8,720.0	14,301.0	9,607.9	130.3	120.0	127.55	1,935.0	-4,922.8	1,414.0	1,213.7	200.28	7.060	
14,100.0	8,720.0	14,301.0	9,607.9	132.7	120.0	127.55	1,935.0	-4,922.8	1,401.4	1,197.3	204.05	6.868	
14,200.0	8,720.0	14,301.0	9,607.9	135.1	120.0	127.55	1,935.0	-4,922.8	1,395.9	1,188.9	206.96	6.745	
14,300.0	8,720.0	14,223.2	9,603.7	137.4	118.2	127.35	1,938.1	-5,000.4	1,395.1	1,187.1	207.99	6.707	
14,400.0	8,720.0	14,094.7	9,596.0	139.8	115.2	126.99	1,943.2	-5,128.6	1,394.1	1,185.8	208.22	6.695	
14,500.0	8,720.0	13,993.9	9,589.7	142.2	112.8	126.75	1,945.3	-5,229.2	1,391.4	1,182.5	208.82	6.663	
14,600.0	8,720.0	13,930.0	9,587.1	144.6	111.4	126.65	1,946.3	-5,293.0	1,389.8	1,179.9	209.94	6.620	
14,615.1	8,720.0	13,912.3	9,586.6	145.0	111.0	126.63	1,946.7	-5,310.8	1,389.7	1,179.8	209.95	6.619	
14,700.0	8,720.0	13,867.2	9,586.0	147.0	109.9	126.58	1,948.3	-5,355.8	1,390.9	1,180.0	210.91	6.595	
14,800.0	8,720.0	13,779.6	9,586.1	149.4	107.9	126.47	1,953.4	-5,443.2	1,395.0	1,183.5	211.44	6.598	
14,900.0	8,720.0	13,634.2	9,582.6	151.8	104.6	126.21	1,960.6	-5,588.4	1,396.9	1,185.6	211.29	6.611	
15,000.0	8,720.0	15,000.0	9,579.4	154.2	135.8	126.00	1,965.5	-5,691.5	1,398.3	1,158.6	239.66	5.835	
15,100.0	8,720.0	13,364.0	9,571.3	156.6	98.4	125.69	1,968.5	-5,858.2	1,396.4	1,185.4	210.99	6.618	
15,200.0	8,720.0	13,314.2	9,569.0	159.0	97.3	125.62	1,968.7	-5,907.9	1,393.5	1,181.0	212.51	6.557	
15,222.4	8,720.0	13,304.2	9,568.8	159.5	97.0	125.61	1,968.9	-5,917.9	1,393.4	1,180.6	212.83	6.547	
15,300.0	8,720.0	13,268.8	9,568.8	161.4	96.2	125.60	1,969.8	-5,953.3	1,394.6	1,180.8	213.76	6.524	
15,400.0	8,720.0	13,161.1	9,570.4	163.8	93.8	125.58	1,973.6	-6,060.9	1,397.6	1,183.8	213.79	6.537	
15,500.0	8,720.0	12,959.3	9,563.5	166.2	89.3	125.35	1,975.2	-6,262.5	1,394.9	1,182.8	212.15	6.575	
15,600.0	8,720.0	12,878.2	9,559.2	168.6	87.5	125.23	1,974.5	-6,343.5	1,390.6	1,177.6	213.05	6.527	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Anne Com - Anne Com #202H - Wellbore #1 - Actual — **Offset Site Error:** 0.0 usft

Survey Program: 200-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,700.0	8,720.0	12,816.3	9,557.4	171.0	86.1	125.18	1,974.7	-6,405.4	1,388.5	1,174.3	214.24	6.481	
15,721.8	8,720.0	12,804.7	9,557.2	171.5	85.8	125.17	1,974.9	-6,416.9	1,388.4	1,173.9	214.51	6.473	
15,800.0	8,720.0	12,731.6	9,556.4	173.4	84.2	125.12	1,976.2	-6,490.0	1,388.6	1,173.8	214.85	6.463	
15,900.0	8,720.0	12,583.2	9,552.9	175.8	80.9	125.01	1,977.2	-6,638.3	1,387.1	1,172.9	214.19	6.476	
16,000.0	8,720.0	12,517.0	9,551.3	178.2	79.5	124.98	1,976.6	-6,704.6	1,384.7	1,169.5	215.23	6.434	
16,043.4	8,720.0	12,482.7	9,551.1	179.3	78.8	124.98	1,976.6	-6,738.9	1,384.3	1,168.8	215.51	6.423	
16,100.0	8,720.0	12,453.0	9,551.5	180.6	78.1	124.99	1,976.9	-6,768.6	1,384.8	1,168.7	216.12	6.408	
16,200.0	8,720.0	12,372.5	9,553.9	183.0	76.4	125.04	1,979.1	-6,849.0	1,388.1	1,171.5	216.56	6.410	
16,300.0	8,720.0	12,178.1	9,553.2	185.5	72.2	125.01	1,980.7	-7,043.3	1,387.7	1,172.8	214.92	6.457	
16,400.0	8,720.0	12,082.9	9,549.8	187.9	70.2	124.94	1,979.6	-7,138.4	1,384.2	1,168.7	215.45	6.425	
16,500.0	8,720.0	11,984.3	9,546.6	190.3	68.1	124.86	1,979.2	-7,237.0	1,381.4	1,165.4	215.94	6.397	
16,600.0	8,720.0	11,890.0	9,543.1	192.7	66.2	124.76	1,978.9	-7,331.3	1,378.4	1,161.8	216.58	6.364	
16,700.0	8,720.0	11,774.1	9,538.9	195.1	63.8	124.64	1,978.8	-7,447.0	1,375.6	1,158.9	216.77	6.346	
16,800.0	8,720.0	11,661.7	9,535.1	197.5	61.5	124.59	1,976.3	-7,559.3	1,371.3	1,154.4	216.91	6.322	
16,900.0	8,720.0	11,592.5	9,533.9	200.0	60.2	124.61	1,974.3	-7,628.5	1,367.4	1,149.4	217.98	6.273	
17,000.0	8,720.0	11,466.3	9,532.8	202.4	57.7	124.68	1,970.6	-7,754.6	1,363.8	1,146.2	217.59	6.268	
17,100.0	8,720.0	11,379.7	9,531.9	204.8	56.1	124.73	1,967.8	-7,841.2	1,360.0	1,141.7	218.23	6.232	
17,200.0	8,720.0	11,294.2	9,531.6	207.2	54.5	124.79	1,965.8	-7,926.7	1,357.1	1,138.2	218.89	6.200	
17,300.0	8,720.0	11,210.4	9,532.0	209.6	52.9	124.85	1,964.4	-8,010.5	1,355.4	1,135.9	219.58	6.173	
17,400.0	8,720.0	11,120.9	9,533.0	212.1	51.3	124.92	1,963.7	-8,099.9	1,354.8	1,134.6	220.17	6.153	
17,500.0	8,720.0	10,970.4	9,529.5	214.5	48.7	124.85	1,962.8	-8,250.3	1,352.3	1,132.4	219.86	6.150	
17,600.0	8,720.0	10,880.4	9,524.9	216.9	47.2	124.71	1,962.5	-8,340.3	1,348.4	1,127.4	221.04	6.100	
17,700.0	8,720.0	10,804.4	9,521.4	219.3	46.0	124.59	1,963.1	-8,416.2	1,345.9	1,123.4	222.49	6.049	
17,753.3	8,720.0	10,771.6	9,520.3	220.6	45.5	124.54	1,963.8	-8,448.9	1,345.5	1,122.1	223.36	6.024	
17,800.0	8,720.0	10,742.9	9,519.6	221.8	45.1	124.49	1,964.8	-8,477.6	1,345.8	1,121.7	224.09	6.006	
17,900.0	8,720.0	10,649.2	9,517.7	224.2	43.7	124.34	1,969.0	-8,571.2	1,347.7	1,122.4	225.32	5.981	
18,000.0	8,720.0	10,473.8	9,512.3	226.6	41.3	124.10	1,972.6	-8,746.5	1,347.3	1,121.7	225.53	5.974	
18,100.0	8,720.0	10,371.8	9,511.1	229.1	40.0	124.17	1,968.8	-8,848.3	1,342.9	1,116.5	226.36	5.932	
18,200.0	8,720.0	10,253.1	9,513.5	231.5	38.8	124.44	1,961.8	-8,966.8	1,338.6	1,112.1	226.48	5.910	
18,300.0	8,720.0	10,047.4	9,511.4	233.9	37.0	124.85	1,943.7	-9,171.6	1,330.9	1,106.7	224.24	5.935	
18,400.0	8,720.0	9,928.6	9,501.0	236.3	36.1	124.82	1,931.1	-9,289.3	1,316.5	1,091.3	225.19	5.846	
18,500.0	8,720.0	8,876.7	8,798.1	238.8	33.4	92.21	1,919.9	-9,924.8	1,281.3	1,054.6	226.73	5.651	
18,600.0	8,720.0	8,876.8	8,798.3	241.2	33.4	92.22	1,919.9	-9,924.8	1,227.2	989.5	237.66	5.163	
18,700.0	8,720.0	8,877.0	8,798.4	243.6	33.4	92.23	1,919.8	-9,924.8	1,179.1	930.5	248.54	4.744	
18,800.0	8,720.0	8,877.1	8,798.6	246.1	33.4	92.24	1,919.8	-9,924.8	1,137.7	878.7	259.02	4.392	
18,900.0	8,720.0	8,877.3	8,798.7	248.5	33.4	92.25	1,919.8	-9,924.8	1,103.9	835.2	268.70	4.108	
19,000.0	8,720.0	8,877.4	8,798.9	250.9	33.4	92.25	1,919.8	-9,924.8	1,078.4	801.2	277.13	3.891	
19,100.0	8,720.0	8,877.6	8,799.0	253.4	33.4	92.26	1,919.8	-9,924.8	1,061.6	777.8	283.88	3.740	
19,176.7	8,720.0	8,877.7	8,799.1	255.2	33.4	92.27	1,919.8	-9,924.8	1,055.1	767.4	287.69	3.667	CC, ES, SF

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Anne Com - Anne Com #222H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 139-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	102.9	102.9	0.0	0.1	-78.17	1,908.2	-9,107.4	9,305.4				
100.0	100.0	182.8	182.8	0.1	0.4	-78.16	1,908.5	-9,106.7	9,304.6	9,304.1	0.48	N/A	
191.4	191.4	228.9	228.9	0.5	0.5	-78.16	1,908.7	-9,106.5	9,304.4	9,303.4	0.97	9,585.376	
200.0	200.0	233.3	233.2	0.5	0.5	-78.16	1,908.8	-9,106.5	9,304.4	9,303.4	1.02	9,151.846	
300.0	300.0	283.7	283.7	0.8	0.7	-78.16	1,909.2	-9,106.6	9,304.7	9,303.2	1.55	5,993.200	
400.0	400.0	344.4	344.4	1.2	0.9	71.26	1,909.8	-9,107.0	9,305.3	9,303.2	2.11	4,411.811	
424.5	424.5	372.3	372.3	1.3	1.0	71.27	1,910.1	-9,107.2	9,305.4	9,303.1	2.29	4,064.340	
500.0	500.0	458.4	458.4	1.5	1.3	71.28	1,910.9	-9,107.8	9,305.5	9,302.7	2.85	3,266.145	
600.0	599.9	573.7	573.6	1.9	1.7	71.30	1,911.6	-9,108.6	9,305.6	9,302.0	3.60	2,581.964	
700.0	699.9	690.6	690.5	2.2	2.1	71.32	1,912.4	-9,109.1	9,305.5	9,301.1	4.37	2,128.646	
752.6	752.5	725.3	725.3	2.4	2.3	71.32	1,912.7	-9,109.3	9,305.4	9,300.8	4.68	1,987.458	
800.0	799.9	756.0	756.0	2.6	2.4	71.33	1,913.0	-9,109.5	9,305.5	9,300.5	4.96	1,876.303	
900.0	899.9	820.8	820.8	2.9	2.6	71.34	1,913.6	-9,110.1	9,305.8	9,300.3	5.55	1,677.743	
1,000.0	999.9	874.0	874.0	3.3	2.8	71.35	1,914.2	-9,110.7	9,306.6	9,300.5	6.09	1,527.356	
1,100.0	1,099.8	932.7	932.6	3.7	3.0	71.36	1,914.9	-9,111.7	9,307.8	9,301.2	6.66	1,397.555	
1,200.0	1,199.8	982.4	982.3	4.0	3.2	71.37	1,915.6	-9,112.8	9,309.6	9,302.4	7.20	1,293.848	
1,300.0	1,299.8	1,061.0	1,060.9	4.4	3.5	71.39	1,917.1	-9,115.0	9,312.0	9,304.2	7.83	1,188.683	
1,400.0	1,399.8	1,061.0	1,060.9	4.7	3.5	71.39	1,917.1	-9,115.0	9,314.8	9,306.6	8.19	1,137.105	
1,475.7	1,475.5	1,061.0	1,060.9	5.0	3.5	71.39	1,917.1	-9,115.0	9,317.7	9,309.2	8.46	1,101.078	
1,500.0	1,499.7	1,061.0	1,060.9	5.1	3.5	71.40	1,917.1	-9,115.0	9,318.7	9,310.2	8.55	1,090.047	
1,600.3	1,600.0	1,133.3	1,133.1	5.4	3.7	-77.97	1,918.7	-9,118.0	9,323.2	9,314.0	9.15	1,018.543	
1,700.0	1,699.7	1,163.1	1,162.9	5.8	3.8	-120.24	1,919.4	-9,119.6	9,329.4	9,319.8	9.59	972.713	
1,800.0	1,799.7	1,248.0	1,247.5	6.1	4.1	-120.18	1,921.7	-9,125.4	9,337.8	9,327.5	10.23	913.009	
1,900.0	1,899.6	1,248.0	1,247.5	6.4	4.1	-120.10	1,921.7	-9,125.4	9,346.8	9,336.2	10.56	885.199	
2,000.0	1,999.4	1,248.0	1,247.5	6.8	4.1	-120.01	1,921.7	-9,125.4	9,357.8	9,346.9	10.89	859.239	
2,100.0	2,099.1	1,248.0	1,247.5	7.1	4.1	-119.89	1,921.7	-9,125.4	9,370.6	9,359.4	11.22	834.951	
2,200.0	2,198.6	1,335.3	1,334.5	7.5	4.5	-119.81	1,924.0	-9,132.9	9,384.5	9,372.6	11.87	790.284	
2,300.0	2,298.0	1,375.7	1,374.7	7.8	4.6	-119.70	1,924.8	-9,136.8	9,400.0	9,387.7	12.36	760.642	
2,400.0	2,397.1	1,435.0	1,433.6	8.2	4.8	-119.59	1,925.9	-9,143.0	9,417.1	9,404.2	12.91	729.241	
2,500.0	2,496.0	1,485.3	1,483.6	8.5	5.0	-119.47	1,926.7	-9,148.6	9,435.5	9,422.0	13.44	701.993	
2,600.0	2,594.7	1,581.5	1,579.3	8.9	5.4	-119.39	1,928.3	-9,159.2	9,454.8	9,440.7	14.14	668.455	
2,697.6	2,690.7	1,657.3	1,654.6	9.3	5.7	-119.29	1,929.7	-9,167.6	9,474.6	9,459.8	14.77	641.456	
2,700.0	2,693.0	1,658.8	1,656.1	9.3	5.7	-119.29	1,929.7	-9,167.7	9,475.1	9,460.3	14.79	640.858	
2,800.0	2,791.2	1,722.3	1,719.1	9.7	5.9	-119.36	1,930.8	-9,175.0	9,496.1	9,480.7	15.38	617.466	
2,900.0	2,889.3	15,333.0	10,683.3	10.1	121.2	-124.82	1,938.4	-4,944.9	9,427.9	9,378.8	49.12	191.931	
3,000.0	2,987.5	15,333.0	10,683.3	10.5	121.2	-124.82	1,938.4	-4,944.9	9,351.5	9,302.1	49.37	189.435	
3,100.0	3,085.7	15,333.0	10,683.3	10.9	121.2	-124.82	1,938.4	-4,944.9	9,275.4	9,225.8	49.62	186.938	
3,200.0	3,183.8	15,333.0	10,683.3	11.3	121.2	-124.82	1,938.4	-4,944.9	9,199.9	9,150.0	49.88	184.443	
3,300.0	3,282.0	15,333.0	10,683.3	11.7	121.2	-124.82	1,938.4	-4,944.9	9,124.8	9,074.6	50.15	181.953	
3,400.0	3,380.2	15,333.0	10,683.3	12.1	121.2	-124.82	1,938.4	-4,944.9	9,050.1	8,999.7	50.43	179.471	
3,500.0	3,478.4	15,333.0	10,683.3	12.6	121.2	-124.82	1,938.4	-4,944.9	8,976.0	8,925.3	50.71	176.999	
3,600.0	3,576.5	15,333.0	10,683.3	13.0	121.2	-124.82	1,938.4	-4,944.9	8,902.4	8,851.4	51.01	174.539	
3,700.0	3,674.7	15,333.0	10,683.3	13.4	121.2	-124.82	1,938.4	-4,944.9	8,829.3	8,778.0	51.31	172.094	
3,800.0	3,772.9	15,333.0	10,683.3	13.8	121.2	-124.82	1,938.4	-4,944.9	8,756.7	8,705.1	51.61	169.664	
3,900.0	3,871.1	15,333.0	10,683.3	14.3	121.2	-124.82	1,938.4	-4,944.9	8,684.7	8,632.8	51.93	167.252	
4,000.0	3,969.2	15,333.0	10,683.3	14.7	121.2	-124.82	1,938.4	-4,944.9	8,613.2	8,561.0	52.25	164.859	
4,100.0	4,067.4	15,333.0	10,683.3	15.1	121.2	-124.82	1,938.4	-4,944.9	8,542.3	8,489.8	52.57	162.485	
4,200.0	4,165.6	15,333.0	10,683.3	15.6	121.2	-124.82	1,938.4	-4,944.9	8,472.0	8,419.1	52.91	160.133	
4,300.0	4,263.7	15,333.0	10,683.3	16.0	121.2	-124.82	1,938.4	-4,944.9	8,402.3	8,349.1	53.25	157.804	
4,400.0	4,361.9	15,333.0	10,683.3	16.5	121.2	-124.82	1,938.4	-4,944.9	8,333.2	8,279.6	53.59	155.497	
4,500.0	4,460.1	15,333.0	10,683.3	16.9	121.2	-124.82	1,938.4	-4,944.9	8,264.8	8,210.8	53.94	153.214	
4,600.0	4,558.3	15,333.0	10,683.3	17.4	121.2	-124.82	1,938.4	-4,944.9	8,197.0	8,142.7	54.30	150.957	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Anne Com - Anne Com #222H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 139-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.0	4,656.4	15,333.0	10,683.3	17.8	121.2	-124.82	1,938.4	-4,944.9	8,129.8	8,075.2	54.66	148.725	
4,800.0	4,754.6	15,333.0	10,683.3	18.2	121.2	-124.82	1,938.4	-4,944.9	8,063.4	8,008.3	55.03	146.519	
4,900.0	4,852.8	15,333.0	10,683.3	18.7	121.2	-124.82	1,938.4	-4,944.9	7,997.6	7,942.2	55.41	144.340	
5,000.0	4,950.9	15,333.0	10,683.3	19.1	121.2	-124.82	1,938.4	-4,944.9	7,932.6	7,876.8	55.79	142.189	
5,100.0	5,049.1	15,333.0	10,683.3	19.6	121.2	-124.82	1,938.4	-4,944.9	7,868.2	7,812.1	56.18	140.066	
5,200.0	5,147.3	15,333.0	10,683.3	20.0	121.2	-124.82	1,938.4	-4,944.9	7,804.7	7,748.1	56.57	137.971	
5,300.0	5,245.5	15,333.0	10,683.3	20.5	121.2	-124.82	1,938.4	-4,944.9	7,741.9	7,684.9	56.97	135.906	
5,400.0	5,343.6	15,333.0	10,683.3	20.9	121.2	-124.82	1,938.4	-4,944.9	7,679.9	7,622.5	57.37	133.870	
5,500.0	5,441.8	15,333.0	10,683.3	21.4	121.2	-124.82	1,938.4	-4,944.9	7,618.7	7,560.9	57.78	131.864	
5,600.0	5,540.0	15,333.0	10,683.3	21.8	121.2	-124.82	1,938.4	-4,944.9	7,558.3	7,500.1	58.19	129.888	
5,700.0	5,638.1	15,333.0	10,683.3	22.3	121.2	-124.82	1,938.4	-4,944.9	7,498.8	7,440.2	58.61	127.944	
5,800.0	5,736.3	15,333.0	10,683.3	22.8	121.2	-124.82	1,938.4	-4,944.9	7,440.1	7,381.1	59.03	126.030	
5,900.0	5,834.5	15,333.0	10,683.3	23.2	121.2	-124.82	1,938.4	-4,944.9	7,382.4	7,322.9	59.46	124.148	
6,000.0	5,932.7	15,333.0	10,683.3	23.7	121.2	-124.82	1,938.4	-4,944.9	7,325.5	7,265.6	59.90	122.299	
6,100.0	6,030.8	15,333.0	10,683.3	24.1	121.2	-124.82	1,938.4	-4,944.9	7,269.6	7,209.3	60.34	120.481	
6,200.0	6,129.0	15,333.0	10,683.3	24.6	121.2	-124.82	1,938.4	-4,944.9	7,214.6	7,153.9	60.78	118.696	
6,300.0	6,227.2	15,333.0	10,683.3	25.0	121.2	-124.82	1,938.4	-4,944.9	7,160.6	7,099.4	61.23	116.943	
6,400.0	6,325.3	15,333.0	10,683.3	25.5	121.2	-124.82	1,938.4	-4,944.9	7,107.6	7,046.0	61.69	115.224	
6,500.0	6,423.5	15,333.0	10,683.3	25.9	121.2	-124.82	1,938.4	-4,944.9	7,055.7	6,993.5	62.14	113.537	
6,600.0	6,521.7	15,333.0	10,683.3	26.4	121.2	-124.82	1,938.4	-4,944.9	7,004.7	6,942.1	62.61	111.885	
6,700.0	6,619.9	15,333.0	10,683.3	26.9	121.2	-124.82	1,938.4	-4,944.9	6,954.8	6,891.8	63.07	110.266	
6,800.0	6,718.0	15,333.0	10,683.3	27.3	121.2	-124.82	1,938.4	-4,944.9	6,906.1	6,842.5	63.54	108.681	
6,900.0	6,816.2	15,333.0	10,683.3	27.8	121.2	-124.82	1,938.4	-4,944.9	6,858.4	6,794.4	64.02	107.130	
7,000.0	6,914.4	15,333.0	10,683.3	28.2	121.2	-124.82	1,938.4	-4,944.9	6,811.8	6,747.3	64.50	105.614	
7,100.0	7,012.5	15,333.0	10,683.3	28.7	121.2	-124.82	1,938.4	-4,944.9	6,766.5	6,701.5	64.98	104.132	
7,200.0	7,110.7	15,333.0	10,683.3	29.1	121.2	-124.82	1,938.4	-4,944.9	6,722.3	6,656.8	65.47	102.685	
7,300.0	7,208.9	15,333.0	10,683.3	29.6	121.2	-124.82	1,938.4	-4,944.9	6,679.3	6,613.3	65.95	101.272	
7,400.0	7,307.1	15,333.0	10,683.3	30.1	121.2	-124.82	1,938.4	-4,944.9	6,637.5	6,571.1	66.45	99.894	
7,500.0	7,405.2	15,333.0	10,683.3	30.5	121.2	-124.82	1,938.4	-4,944.9	6,597.0	6,530.0	66.94	98.551	
7,514.9	7,419.9	15,333.0	10,683.3	30.6	121.2	-124.82	1,938.4	-4,944.9	6,591.0	6,524.0	67.01	98.354	
7,600.0	7,503.6	15,333.0	10,683.3	31.0	121.2	-124.37	1,938.4	-4,944.9	6,557.2	6,489.8	67.44	97.235	
7,700.0	7,602.4	15,333.0	10,683.3	31.4	121.2	-123.83	1,938.4	-4,944.9	6,517.5	6,449.5	67.94	95.930	
7,800.0	7,701.5	15,333.0	10,683.3	31.8	121.2	-123.29	1,938.4	-4,944.9	6,477.6	6,409.2	68.45	94.639	
7,900.0	7,801.0	15,333.0	10,683.3	32.2	121.2	-122.74	1,938.4	-4,944.9	6,437.8	6,368.8	68.95	93.363	
8,000.0	7,900.7	15,333.0	10,683.3	32.6	121.2	-122.19	1,938.4	-4,944.9	6,397.9	6,328.4	69.47	92.101	
8,100.0	8,000.5	15,333.0	10,683.3	32.9	121.2	-121.64	1,938.4	-4,944.9	6,358.1	6,288.1	69.98	90.854	
8,200.0	8,100.5	15,333.0	10,683.3	33.2	121.2	-121.08	1,938.4	-4,944.9	6,318.3	6,247.8	70.50	89.623	
8,246.5	8,147.0	15,333.0	10,683.3	33.4	121.2	-78.50	1,938.4	-4,944.9	6,299.9	6,229.1	70.74	89.055	
8,250.0	8,150.5	15,333.0	10,683.3	33.4	121.2	11.09	1,938.4	-4,944.9	6,298.5	6,227.7	70.76	89.012	
8,300.0	8,200.4	15,333.0	10,683.3	33.5	121.2	11.57	1,938.4	-4,944.9	6,276.6	6,205.6	71.01	88.390	
8,350.0	8,249.9	15,333.0	10,683.3	33.6	121.2	12.17	1,938.4	-4,944.9	6,251.3	6,180.1	71.25	87.733	
8,400.0	8,298.7	15,333.0	10,683.3	33.7	121.2	12.93	1,938.4	-4,944.9	6,222.7	6,151.2	71.49	87.048	
8,450.0	8,346.2	15,333.0	10,683.3	33.8	121.2	13.89	1,938.4	-4,944.9	6,190.9	6,119.2	71.70	86.341	
8,500.0	8,392.3	15,333.0	10,683.3	33.9	121.2	15.09	1,938.4	-4,944.9	6,156.3	6,084.4	71.91	85.613	
8,550.0	8,436.5	15,333.0	10,683.3	33.9	121.2	16.64	1,938.4	-4,944.9	6,118.9	6,046.8	72.10	84.869	
8,600.0	8,478.5	15,333.0	10,683.3	34.0	121.2	18.64	1,938.4	-4,944.9	6,079.0	6,006.7	72.27	84.112	
8,650.0	8,518.0	15,333.0	10,683.3	34.0	121.2	21.32	1,938.4	-4,944.9	6,036.9	5,964.4	72.43	83.346	
8,700.0	8,554.6	15,333.0	10,683.3	34.0	121.2	24.99	1,938.4	-4,944.9	5,992.8	5,920.2	72.58	82.572	
8,750.0	8,588.1	15,333.0	10,683.3	34.0	121.2	30.22	1,938.4	-4,944.9	5,947.1	5,874.4	72.71	81.795	
8,800.0	8,618.3	15,333.0	10,683.3	33.9	121.2	38.03	1,938.4	-4,944.9	5,900.0	5,827.2	72.82	81.018	
8,850.0	8,644.9	15,333.0	10,683.3	33.9	121.2	50.16	1,938.4	-4,944.9	5,852.0	5,779.0	72.93	80.243	
8,900.0	8,667.7	15,333.0	10,683.3	33.9	121.2	68.81	1,938.4	-4,944.9	5,803.2	5,730.2	73.02	79.474	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Anne Com - Anne Com #222H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 139-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,950.0	8,686.6	15,333.0	10,683.3	33.9	121.2	93.32	1,938.4	-4,944.9	5,754.2	5,681.1	73.10	78.714	
9,000.0	8,701.3	15,333.0	10,683.3	33.9	121.2	116.53	1,938.4	-4,944.9	5,705.2	5,632.1	73.18	77.966	
9,050.0	8,711.8	15,333.0	10,683.3	33.9	121.2	133.00	1,938.4	-4,944.9	5,656.7	5,583.5	73.24	77.233	
9,100.0	8,718.1	15,333.0	10,683.3	33.9	121.2	143.57	1,938.4	-4,944.9	5,609.0	5,535.7	73.30	76.518	
9,146.5	8,720.0	15,333.0	10,683.3	33.9	121.2	150.05	1,938.4	-4,944.9	5,565.8	5,492.4	73.36	75.872	
9,200.0	8,720.0	15,333.0	10,683.3	34.1	121.2	150.05	1,938.4	-4,944.9	5,516.8	5,443.3	73.42	75.137	
9,300.0	8,720.0	15,333.0	10,683.3	34.5	121.2	150.05	1,938.4	-4,944.9	5,425.4	5,351.8	73.56	73.752	
9,400.0	8,720.0	15,333.0	10,683.3	35.2	121.2	150.05	1,938.4	-4,944.9	5,334.3	5,260.6	73.72	72.357	
9,500.0	8,720.0	15,333.0	10,683.3	36.2	121.2	150.05	1,938.4	-4,944.9	5,243.6	5,169.7	73.90	70.953	
9,600.0	8,720.0	15,333.0	10,683.3	37.3	121.2	150.05	1,938.4	-4,944.9	5,153.2	5,079.1	74.11	69.538	
9,700.0	8,720.0	15,333.0	10,683.3	38.6	121.2	150.05	1,938.4	-4,944.9	5,063.2	4,988.8	74.33	68.113	
9,800.0	8,720.0	15,333.0	10,683.3	39.9	121.2	150.05	1,938.4	-4,944.9	4,973.5	4,898.9	74.59	66.678	
9,900.0	8,720.0	15,333.0	10,683.3	41.4	121.2	150.05	1,938.4	-4,944.9	4,884.2	4,809.4	74.87	65.233	
10,000.0	8,720.0	15,333.0	10,683.3	43.0	121.2	150.05	1,938.4	-4,944.9	4,795.4	4,720.2	75.19	63.777	
10,100.0	8,720.0	15,333.0	10,683.3	44.6	121.2	150.05	1,938.4	-4,944.9	4,707.0	4,631.5	75.54	62.312	
10,200.0	8,720.0	15,333.0	10,683.3	46.3	121.2	150.05	1,938.4	-4,944.9	4,619.1	4,543.2	75.93	60.836	
10,300.0	8,720.0	15,333.0	10,683.3	48.1	121.2	150.05	1,938.4	-4,944.9	4,531.7	4,455.4	76.35	59.351	
10,400.0	8,720.0	15,333.0	10,683.3	50.0	121.2	150.05	1,938.4	-4,944.9	4,444.8	4,368.0	76.82	57.858	
10,500.0	8,720.0	15,333.0	10,683.3	51.8	121.2	150.05	1,938.4	-4,944.9	4,358.5	4,281.2	77.34	56.355	
10,600.0	8,720.0	15,333.0	10,683.3	53.8	121.2	150.05	1,938.4	-4,944.9	4,272.8	4,194.9	77.91	54.845	
10,700.0	8,720.0	15,333.0	10,683.3	55.8	121.2	150.05	1,938.4	-4,944.9	4,187.7	4,109.2	78.53	53.329	
10,800.0	8,720.0	15,333.0	10,683.3	57.8	121.2	150.05	1,938.4	-4,944.9	4,103.3	4,024.1	79.20	51.807	
10,900.0	8,720.0	15,333.0	10,683.3	59.8	121.2	150.05	1,938.4	-4,944.9	4,019.6	3,939.7	79.94	50.281	
11,000.0	8,720.0	15,333.0	10,683.3	61.9	121.2	150.05	1,938.4	-4,944.9	3,936.7	3,856.0	80.75	48.753	
11,100.0	8,720.0	15,333.0	10,683.3	64.0	121.2	150.05	1,938.4	-4,944.9	3,854.6	3,773.0	81.62	47.224	
11,200.0	8,720.0	15,333.0	10,683.3	66.1	121.2	150.05	1,938.4	-4,944.9	3,773.3	3,690.7	82.57	45.697	
11,300.0	8,720.0	15,333.0	10,683.3	68.2	121.2	150.05	1,938.4	-4,944.9	3,693.0	3,609.4	83.60	44.174	
11,400.0	8,720.0	15,333.0	10,683.3	70.4	121.2	150.05	1,938.4	-4,944.9	3,613.6	3,528.9	84.71	42.657	
11,500.0	8,720.0	15,333.0	10,683.3	72.6	121.2	150.05	1,938.4	-4,944.9	3,535.3	3,449.4	85.91	41.150	
11,600.0	8,720.0	15,333.0	10,683.3	74.8	121.2	150.05	1,938.4	-4,944.9	3,458.1	3,370.9	87.20	39.655	
11,700.0	8,720.0	15,333.0	10,683.3	77.0	121.2	150.05	1,938.4	-4,944.9	3,382.1	3,293.5	88.59	38.176	
11,800.0	8,720.0	15,333.0	10,683.3	79.2	121.2	150.05	1,938.4	-4,944.9	3,307.4	3,217.3	90.08	36.716	
11,900.0	8,720.0	15,333.0	10,683.3	81.5	121.2	150.05	1,938.4	-4,944.9	3,234.1	3,142.4	91.67	35.279	
12,000.0	8,720.0	15,333.0	10,683.3	83.7	121.2	150.05	1,938.4	-4,944.9	3,162.2	3,068.8	93.37	33.868	
12,100.0	8,720.0	15,333.0	10,683.3	86.0	121.2	150.05	1,938.4	-4,944.9	3,091.8	2,996.7	95.17	32.487	
12,200.0	8,720.0	15,333.0	10,683.3	88.3	121.2	150.05	1,938.4	-4,944.9	3,023.2	2,926.1	97.09	31.139	
12,300.0	8,720.0	15,333.0	10,683.3	90.5	121.2	150.05	1,938.4	-4,944.9	2,956.3	2,857.2	99.11	29.829	
12,400.0	8,720.0	15,333.0	10,683.3	92.8	121.2	150.05	1,938.4	-4,944.9	2,891.3	2,790.1	101.24	28.559	
12,500.0	8,720.0	15,333.0	10,683.3	95.1	121.2	150.05	1,938.4	-4,944.9	2,828.4	2,725.0	103.48	27.333	
12,600.0	8,720.0	15,333.0	10,683.3	97.4	121.2	150.05	1,938.4	-4,944.9	2,767.7	2,661.9	105.82	26.154	
12,700.0	8,720.0	15,333.0	10,683.3	99.8	121.2	150.05	1,938.4	-4,944.9	2,709.3	2,601.0	108.26	25.026	
12,800.0	8,720.0	15,333.0	10,683.3	102.1	121.2	150.05	1,938.4	-4,944.9	2,653.4	2,542.6	110.79	23.950	
12,900.0	8,720.0	15,333.0	10,683.3	104.4	121.2	150.05	1,938.4	-4,944.9	2,600.1	2,486.7	113.40	22.929	
13,000.0	8,720.0	15,333.0	10,683.3	106.7	121.2	150.05	1,938.4	-4,944.9	2,549.7	2,433.6	116.08	21.966	
13,100.0	8,720.0	15,333.0	10,683.3	109.1	121.2	150.05	1,938.4	-4,944.9	2,502.2	2,383.4	118.81	21.061	
13,200.0	8,720.0	15,333.0	10,683.3	111.4	121.2	150.05	1,938.4	-4,944.9	2,457.9	2,336.3	121.57	20.217	
13,300.0	8,720.0	15,333.0	10,683.3	113.8	121.2	150.05	1,938.4	-4,944.9	2,416.9	2,292.5	124.36	19.435	
13,400.0	8,720.0	15,333.0	10,683.3	116.1	121.2	150.05	1,938.4	-4,944.9	2,379.4	2,252.3	127.14	18.715	
13,500.0	8,720.0	15,333.0	10,683.3	118.5	121.2	150.05	1,938.4	-4,944.9	2,345.6	2,215.7	129.89	18.059	
13,600.0	8,720.0	15,333.0	10,683.3	120.8	121.2	150.05	1,938.4	-4,944.9	2,315.6	2,183.0	132.58	17.465	
13,700.0	8,720.0	15,333.0	10,683.3	123.2	121.2	150.05	1,938.4	-4,944.9	2,289.5	2,154.3	135.20	16.935	
13,800.0	8,720.0	15,333.0	10,683.3	125.6	121.2	150.05	1,938.4	-4,944.9	2,267.6	2,129.9	137.71	16.467	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Anne Com - Anne Com #222H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 139-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.0	8,720.0	15,333.0	10,683.3	127.9	121.2	150.05	1,938.4	-4,944.9	2,250.0	2,109.9	140.08	16.062	
14,000.0	8,720.0	15,333.0	10,683.3	130.3	121.2	150.05	1,938.4	-4,944.9	2,236.6	2,094.3	142.29	15.718	
14,100.0	8,720.0	15,333.0	10,683.3	132.7	121.2	150.05	1,938.4	-4,944.9	2,227.7	2,083.4	144.33	15.435	
14,200.0	8,720.0	15,221.7	10,677.5	135.1	118.6	150.06	1,935.4	-5,056.0	2,221.5	2,077.4	144.13	15.413	
14,300.0	8,720.0	15,114.5	10,670.3	137.4	116.2	150.07	1,931.5	-5,162.9	2,213.5	2,069.5	144.00	15.371	
14,400.0	8,720.0	15,022.0	10,665.1	139.8	114.1	150.10	1,927.8	-5,255.2	2,206.3	2,062.2	144.10	15.310	
14,500.0	8,720.0	14,951.9	10,661.3	142.2	112.5	150.12	1,925.3	-5,325.2	2,199.5	2,054.8	144.68	15.202	
14,600.0	8,720.0	14,895.0	10,658.4	144.6	111.2	150.09	1,925.3	-5,382.0	2,194.6	2,049.0	145.61	15.072	
14,700.0	8,720.0	14,825.9	10,655.2	147.0	109.6	150.02	1,927.1	-5,451.0	2,191.5	2,045.0	146.43	14.966	
14,800.0	8,720.0	14,724.8	10,650.4	149.4	107.3	149.88	1,931.5	-5,551.8	2,189.1	2,042.2	146.92	14.901	
14,900.0	8,720.0	14,641.8	10,645.9	151.8	105.4	149.73	1,936.0	-5,634.6	2,186.9	2,039.1	147.71	14.805	
15,000.0	8,720.0	14,547.8	10,641.3	154.2	103.3	149.56	1,941.8	-5,728.3	2,185.4	2,037.0	148.41	14.725	
15,100.0	8,720.0	14,453.3	10,637.3	156.6	101.2	149.41	1,946.7	-5,822.6	2,183.9	2,034.9	149.04	14.653	
15,200.0	8,720.0	14,372.7	10,634.5	159.0	99.4	149.29	1,950.7	-5,903.1	2,183.1	2,033.3	149.79	14.575	
15,300.0	8,720.0	14,270.8	10,631.9	161.4	97.1	149.17	1,955.7	-6,004.8	2,183.1	2,032.8	150.24	14.530	
15,375.6	8,720.0	14,213.0	10,632.1	163.2	95.8	149.19	1,955.3	-6,062.6	2,182.8	2,032.2	150.54	14.499	
15,400.0	8,720.0	14,202.1	10,632.2	163.8	95.6	149.19	1,955.3	-6,073.5	2,182.9	2,032.2	150.77	14.479	
15,500.0	8,720.0	14,141.0	10,633.1	166.2	94.2	149.16	1,957.7	-6,134.5	2,185.4	2,033.8	151.54	14.421	
15,600.0	8,720.0	14,088.5	10,634.1	168.6	93.0	149.10	1,961.1	-6,186.9	2,189.7	2,037.2	152.47	14.362	
15,700.0	8,720.0	13,955.3	10,636.7	171.0	90.1	148.97	1,969.7	-6,319.8	2,194.5	2,041.9	152.56	14.384	
15,800.0	8,720.0	13,755.0	10,636.2	173.4	85.7	148.79	1,978.9	-6,519.8	2,196.7	2,045.0	151.75	14.476	
15,900.0	8,720.0	13,629.5	10,632.3	175.8	83.0	148.70	1,981.7	-6,645.2	2,194.8	2,043.0	151.78	14.461	
16,000.0	8,720.0	13,521.7	10,623.1	178.2	80.7	148.34	1,992.7	-6,752.0	2,192.5	2,039.6	152.87	14.342	
16,100.0	8,720.0	13,295.9	10,593.9	180.6	76.0	147.50	2,014.0	-6,974.5	2,184.8	2,031.4	153.33	14.249	
16,200.0	8,720.0	13,240.1	10,590.6	183.0	74.8	147.52	2,011.7	-7,030.2	2,177.3	2,023.0	154.31	14.110	
16,300.0	8,720.0	13,197.4	10,589.3	185.5	74.0	147.54	2,010.2	-7,072.8	2,172.5	2,017.0	155.46	13.974	
16,400.0	8,720.0	13,101.2	10,588.4	187.9	72.0	147.61	2,007.4	-7,168.9	2,169.6	2,014.1	155.54	13.949	
16,500.0	8,720.0	13,004.1	10,587.6	190.3	70.0	147.71	2,002.9	-7,266.0	2,166.1	2,010.6	155.52	13.928	
16,600.0	8,720.0	12,892.0	10,586.4	192.7	67.8	147.81	1,998.6	-7,378.0	2,162.7	2,007.4	155.27	13.928	
16,700.0	8,720.0	16,700.0	10,582.9	195.1	141.9	147.85	1,995.6	-7,508.3	2,159.1	1,958.5	200.57	10.765	
16,800.0	8,720.0	12,634.9	10,576.8	197.5	62.8	147.88	1,991.6	-7,634.7	2,152.7	1,998.1	154.66	13.919	
16,900.0	8,720.0	12,534.9	10,573.1	200.0	60.9	147.96	1,986.5	-7,734.5	2,146.5	1,991.8	154.73	13.872	
17,000.0	8,720.0	12,473.9	10,571.4	202.4	59.8	148.03	1,982.8	-7,795.4	2,140.7	1,985.2	155.52	13.765	
17,100.0	8,720.0	12,421.0	10,571.4	204.8	58.8	148.10	1,979.8	-7,848.2	2,137.2	1,980.8	156.37	13.667	
17,200.0	8,720.0	12,266.0	10,568.0	207.2	56.1	148.25	1,972.3	-8,003.0	2,131.8	1,976.4	155.44	13.714	
17,300.0	8,720.0	12,166.2	10,564.5	209.6	54.4	148.28	1,969.9	-8,102.7	2,127.1	1,971.3	155.79	13.654	
17,400.0	8,720.0	12,092.9	10,561.9	212.1	53.1	148.30	1,967.9	-8,175.9	2,122.4	1,965.9	156.57	13.556	
17,500.0	8,720.0	8,847.3	8,763.8	214.5	33.7	90.30	2,059.8	-9,935.4	2,110.1	1,958.0	152.09	13.874	
17,600.0	8,720.0	8,847.9	8,764.3	216.9	33.7	90.33	2,059.8	-9,935.4	2,028.4	1,870.1	158.24	12.818	
17,700.0	8,720.0	8,848.4	8,764.9	219.3	33.7	90.36	2,059.8	-9,935.4	1,948.4	1,783.6	164.83	11.821	
17,800.0	8,720.0	8,849.0	8,765.5	221.8	33.7	90.38	2,059.8	-9,935.4	1,870.3	1,698.5	171.87	10.882	
17,900.0	8,720.0	8,849.6	8,766.0	224.2	33.7	90.41	2,059.8	-9,935.5	1,794.4	1,615.1	179.38	10.003	
18,000.0	8,720.0	8,850.1	8,766.6	226.6	33.7	90.44	2,059.8	-9,935.5	1,721.0	1,533.6	187.37	9.185	
18,100.0	8,720.0	8,850.7	8,767.2	229.1	33.7	90.47	2,059.8	-9,935.5	1,650.4	1,454.6	195.84	8.427	
18,200.0	8,720.0	8,851.3	8,767.7	231.5	33.7	90.49	2,059.8	-9,935.5	1,582.9	1,378.2	204.75	7.731	
18,300.0	8,720.0	8,851.9	8,768.3	233.9	33.7	90.52	2,059.8	-9,935.5	1,519.1	1,305.0	214.07	7.096	
18,400.0	8,720.0	8,852.5	8,768.9	236.3	33.7	90.55	2,059.7	-9,935.5	1,459.3	1,235.6	223.71	6.523	
18,500.0	8,720.0	8,853.0	8,769.5	238.8	33.7	90.58	2,059.7	-9,935.5	1,404.1	1,170.5	233.55	6.012	
18,600.0	8,720.0	8,853.7	8,770.1	241.2	33.7	90.61	2,059.7	-9,935.5	1,354.0	1,110.6	243.43	5.562	
18,700.0	8,720.0	8,854.3	8,770.7	243.6	33.7	90.64	2,059.7	-9,935.5	1,309.6	1,056.5	253.12	5.174	
18,800.0	8,720.0	8,854.9	8,771.3	246.1	33.7	90.67	2,059.7	-9,935.5	1,271.6	1,009.2	262.38	4.846	
18,900.0	8,720.0	8,855.5	8,772.0	248.5	33.7	90.70	2,059.7	-9,935.5	1,240.5	969.6	270.90	4.579	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Anne Com - Anne Com #222H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 139-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,000.0	8,720.0	8,856.1	8,772.6	250.9	33.7	90.73	2,059.7	-9,935.5	1,216.9	938.5	278.37	4.371	
19,100.0	8,720.0	8,856.8	8,773.2	253.4	33.7	90.76	2,059.7	-9,935.5	1,201.1	916.6	284.49	4.222	
19,176.7	8,720.0	8,857.2	8,773.7	255.2	33.7	90.78	2,059.7	-9,935.5	1,194.6	906.5	288.11	4.146	CC, ES, SF

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #113H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	3.0	-3.0	0.0	0.0	47.47	538.5	587.1	796.7				
100.0	100.0	103.0	97.0	0.1	0.1	47.47	538.5	587.1	796.7	796.4	0.27	2,983.033	
200.0	200.0	203.0	197.0	0.5	0.5	47.47	538.5	587.1	796.7	795.7	0.98	809.604	
300.0	300.0	303.0	297.0	0.8	0.9	47.47	538.5	587.1	796.7	795.0	1.70	468.359	
400.0	400.0	403.0	397.0	1.2	1.2	-163.12	538.5	587.1	797.5	795.1	2.40	331.824	
424.5	424.5	421.5	421.5	1.3	1.3	-163.13	538.5	587.1	797.9	795.4	2.55	312.592	
500.0	500.0	503.0	497.0	1.5	1.6	-163.16	538.5	587.1	799.5	796.4	3.10	257.779	
600.0	599.9	603.1	596.9	1.9	1.9	-163.21	538.5	587.1	801.6	797.8	3.81	210.597	
700.0	699.9	703.1	696.9	2.2	2.3	-163.25	538.5	587.1	803.7	799.2	4.52	177.997	
800.0	799.9	803.1	796.9	2.6	2.6	-163.30	538.5	587.1	805.8	800.5	5.23	154.173	
900.0	899.9	903.1	896.9	2.9	3.0	-163.34	538.5	587.1	807.8	801.9	5.94	136.022	
1,000.0	999.9	996.9	996.9	3.3	3.3	-163.39	538.5	587.1	809.9	803.3	6.63	122.155	
1,100.0	1,099.8	1,076.9	1,076.8	3.7	3.6	-163.45	539.4	587.5	813.2	805.9	7.27	111.844	
1,200.0	1,199.8	1,156.0	1,155.9	4.0	3.9	-163.58	542.4	588.8	819.0	811.1	7.90	103.608	
1,300.0	1,299.8	1,234.8	1,234.5	4.4	4.2	-163.76	547.3	590.9	827.3	818.8	8.53	96.963	
1,400.0	1,399.8	1,313.2	1,312.5	4.7	4.5	-163.99	554.2	593.9	838.2	829.1	9.15	91.573	
1,475.7	1,475.5	1,372.1	1,371.1	5.0	4.7	-164.21	560.6	596.7	848.1	838.5	9.62	88.179	
1,500.0	1,499.7	1,391.0	1,389.7	5.1	4.8	-164.29	562.9	597.7	851.5	841.8	9.77	87.203	
1,600.3	1,600.0	1,487.6	1,485.5	5.4	5.1	45.89	575.2	603.1	865.3	854.8	10.45	82.791	
1,700.0	1,699.7	1,586.5	1,583.4	5.8	5.5	3.22	587.8	608.6	877.3	866.1	11.14	78.755	
1,800.0	1,799.7	1,685.8	1,681.8	6.1	5.9	2.88	600.5	614.1	887.6	875.8	11.83	75.007	
1,900.0	1,899.6	1,785.4	1,780.3	6.4	6.3	2.56	613.2	619.6	896.3	883.7	12.53	71.511	
2,000.0	1,999.4	1,885.0	1,879.0	6.8	6.7	2.26	625.9	625.2	903.2	889.9	13.24	68.233	
2,100.0	2,099.1	1,984.8	1,977.8	7.1	7.1	1.96	638.7	630.7	908.4	894.4	13.94	65.145	
2,200.0	2,198.6	2,084.6	2,076.6	7.5	7.4	1.67	651.4	636.2	911.9	897.2	14.65	62.225	
2,300.0	2,298.0	2,184.5	2,175.5	7.8	7.8	1.38	664.2	641.8	913.6	898.3	15.37	59.452	
2,400.0	2,397.1	2,284.4	2,274.5	8.2	8.2	1.10	676.9	647.3	913.7	897.6	16.08	56.809	
2,500.0	2,496.0	2,384.2	2,373.4	8.5	8.7	0.82	689.7	652.9	912.0	895.2	16.80	54.282	
2,600.0	2,594.7	2,484.1	2,472.2	8.9	9.1	0.54	702.4	658.4	908.6	891.1	17.52	51.857	
2,697.6	2,690.7	2,581.5	2,568.7	9.3	9.4	0.27	714.8	663.8	903.6	885.4	18.23	49.578	
2,700.0	2,693.0	2,583.9	2,571.0	9.3	9.5	0.26	715.1	664.0	903.5	885.2	18.24	49.523	
2,800.0	2,791.2	2,683.6	2,669.8	9.7	9.9	-0.02	727.9	669.5	897.5	878.6	18.97	47.321	
2,900.0	2,889.3	2,783.3	2,768.5	10.1	10.3	-0.31	740.6	675.0	891.6	871.9	19.69	45.277	
3,000.0	2,987.5	2,883.0	2,867.3	10.5	10.7	-0.60	753.3	680.6	885.7	865.3	20.42	43.375	
3,100.0	3,085.7	2,982.8	2,966.1	10.9	11.1	-0.90	766.0	686.1	879.9	858.7	21.15	41.601	
3,200.0	3,183.8	3,082.5	3,064.8	11.3	11.5	-1.20	778.8	691.6	874.0	852.1	21.88	39.944	
3,300.0	3,282.0	3,182.2	3,163.6	11.7	11.9	-1.50	791.5	697.2	868.2	845.6	22.61	38.392	
3,400.0	3,380.2	3,281.9	3,262.3	12.1	12.3	-1.81	804.2	702.7	862.4	839.1	23.35	36.937	
3,500.0	3,478.4	3,381.6	3,361.1	12.6	12.7	-2.12	816.9	708.2	856.7	832.6	24.08	35.570	
3,600.0	3,576.5	3,481.4	3,459.8	13.0	13.1	-2.44	829.7	713.8	850.9	826.1	24.82	34.283	
3,700.0	3,674.7	3,581.1	3,558.6	13.4	13.5	-2.76	842.4	719.3	845.2	819.6	25.56	33.070	
3,800.0	3,772.9	3,680.8	3,657.3	13.8	13.9	-3.08	855.1	724.9	839.5	813.2	26.30	31.925	
3,900.0	3,871.1	3,780.5	3,756.1	14.3	14.4	-3.41	867.9	730.4	833.9	806.8	27.04	30.843	
4,000.0	3,969.2	3,880.3	3,854.8	14.7	14.8	-3.75	880.6	735.9	828.2	800.4	27.78	29.818	
4,100.0	4,067.4	3,980.0	3,953.6	15.1	15.2	-4.09	893.3	741.5	822.6	794.1	28.52	28.847	
4,200.0	4,165.6	4,079.7	4,052.3	15.6	15.6	-4.43	906.0	747.0	817.0	787.8	29.26	27.925	
4,300.0	4,263.7	4,179.4	4,151.1	16.0	16.0	-4.78	918.8	752.5	811.5	781.5	30.00	27.049	
4,400.0	4,361.9	4,279.2	4,249.8	16.5	16.4	-5.13	931.5	758.1	806.0	775.2	30.74	26.216	
4,500.0	4,460.1	4,378.9	4,348.6	16.9	16.8	-5.49	944.2	763.6	800.5	769.0	31.49	25.423	
4,600.0	4,558.3	4,478.6	4,447.4	17.4	17.2	-5.85	956.9	769.1	795.0	762.8	32.23	24.666	
4,700.0	4,656.4	4,578.3	4,546.1	17.8	17.7	-6.22	969.7	774.7	789.6	756.6	32.98	23.944	
4,800.0	4,754.6	4,678.1	4,644.9	18.2	18.1	-6.59	982.4	780.2	784.2	750.5	33.72	23.255	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #113H - Wellbore #1 - State Plan #1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,852.8	4,777.8	4,743.6	18.7	18.5	-6.97	995.1	785.8	778.9	744.4	34.47	22.596	
5,000.0	4,950.9	4,877.5	4,842.4	19.1	18.9	-7.35	1,007.8	791.3	773.6	738.3	35.22	21.965	
5,100.0	5,049.1	4,977.2	4,941.1	19.6	19.3	-7.74	1,020.6	796.8	768.3	732.3	35.97	21.361	
5,200.0	5,147.3	5,077.0	5,039.9	20.0	19.7	-8.13	1,033.3	802.4	763.0	726.3	36.71	20.783	
5,300.0	5,245.5	5,189.1	5,151.0	20.5	20.2	-8.57	1,047.2	808.4	757.5	720.0	37.52	20.188	
5,400.0	5,343.6	5,323.3	5,284.5	20.9	20.7	-9.05	1,059.5	813.8	748.4	710.0	38.38	19.502	
5,500.0	5,441.8	5,456.2	5,417.2	21.4	21.2	-9.46	1,065.9	816.6	734.8	695.6	39.13	18.776	
5,600.0	5,540.0	5,576.0	5,537.0	21.8	21.6	-9.78	1,067.1	817.1	716.9	677.1	39.83	18.002	
5,700.0	5,638.1	5,674.1	5,635.1	22.3	21.9	-10.05	1,067.1	817.1	698.2	657.6	40.54	17.221	
5,800.0	5,736.3	5,772.3	5,733.3	22.8	22.2	-10.33	1,067.1	817.1	679.4	638.2	41.26	16.467	
5,900.0	5,834.5	5,870.5	5,831.5	23.2	22.5	-10.62	1,067.1	817.1	660.7	618.7	41.98	15.738	
6,000.0	5,932.7	5,968.7	5,929.7	23.7	22.8	-10.94	1,067.1	817.1	642.0	599.3	42.70	15.034	
6,100.0	6,030.8	6,066.8	6,027.8	24.1	23.2	-11.27	1,067.1	817.1	623.3	579.9	43.42	14.354	
6,200.0	6,129.0	6,165.0	6,126.0	24.6	23.5	-11.62	1,067.1	817.1	604.6	560.5	44.15	13.695	
6,300.0	6,227.2	6,263.2	6,224.2	25.0	23.8	-12.00	1,067.1	817.1	586.0	541.1	44.87	13.058	
6,400.0	6,325.3	6,361.3	6,322.3	25.5	24.1	-12.40	1,067.1	817.1	567.4	521.8	45.60	12.442	
6,500.0	6,423.5	6,459.5	6,420.5	25.9	24.5	-12.82	1,067.1	817.1	548.8	502.4	46.33	11.845	
6,600.0	6,521.7	6,557.7	6,518.7	26.4	24.8	-13.28	1,067.1	817.1	530.2	483.1	47.06	11.266	
6,700.0	6,619.9	6,655.9	6,616.9	26.9	25.1	-13.77	1,067.1	817.1	511.7	463.9	47.80	10.705	
6,800.0	6,718.0	6,754.0	6,715.0	27.3	25.4	-14.29	1,067.1	817.1	493.2	444.7	48.53	10.162	
6,900.0	6,816.2	6,852.2	6,813.2	27.8	25.8	-14.86	1,067.1	817.1	474.7	425.5	49.27	9.635	
7,000.0	6,914.4	6,938.0	6,898.9	28.2	26.1	-15.32	1,067.2	817.7	456.9	406.8	50.09	9.122	
7,100.0	7,012.5	7,006.4	6,966.9	28.7	26.3	-14.98	1,068.1	825.0	444.6	393.7	50.84	8.744	
7,200.0	7,110.7	7,074.5	7,033.3	29.1	26.6	-13.78	1,070.1	840.2	439.3	387.9	51.34	8.557	
7,220.2	7,130.5	7,088.0	7,046.2	29.2	26.6	-13.44	1,070.6	844.1	439.1	387.7	51.40	8.543	CC, ES, SF
7,300.0	7,208.9	7,140.4	7,095.3	29.6	26.8	-11.81	1,073.0	862.2	441.7	390.2	51.49	8.579	
7,400.0	7,307.1	7,200.0	7,148.8	30.1	27.1	-9.45	1,076.3	888.1	452.7	401.6	51.12	8.854	
7,500.0	7,405.2	7,260.1	7,199.8	30.5	27.4	-6.62	1,080.4	919.6	472.9	422.5	50.39	9.384	
7,514.9	7,419.9	7,268.3	7,206.5	30.6	27.4	-6.21	1,081.0	924.3	476.7	426.5	50.23	9.491	
7,600.0	7,503.6	7,312.2	7,241.1	31.0	27.6	-3.95	1,084.5	951.1	503.4	454.3	49.10	10.253	
7,700.0	7,602.4	7,358.4	7,275.1	31.4	27.8	-1.45	1,088.5	982.0	545.4	498.0	47.45	11.496	
7,800.0	7,701.5	7,400.0	7,303.6	31.8	28.1	0.87	1,092.4	1,012.1	597.7	552.1	45.66	13.092	
7,900.0	7,801.0	7,433.7	7,325.0	32.2	28.3	2.79	1,095.8	1,038.0	659.0	615.2	43.73	15.068	
8,000.0	7,900.7	7,463.9	7,342.8	32.6	28.5	4.55	1,098.9	1,062.1	727.6	685.7	41.95	17.345	
8,100.0	8,000.5	7,500.0	7,362.4	32.9	28.7	6.66	1,102.8	1,092.2	802.6	761.8	40.76	19.691	
8,200.0	8,100.5	7,500.0	7,362.4	33.2	28.7	6.90	1,102.8	1,092.2	882.4	844.0	38.42	22.971	
8,246.5	8,147.0	7,521.1	7,372.9	33.4	28.9	50.50	1,105.2	1,110.3	920.8	882.5	38.30	24.043	
8,250.0	8,150.5	7,521.8	7,373.2	33.4	28.9	139.74	1,105.3	1,110.9	923.7	885.4	38.25	24.147	
8,300.0	8,200.4	7,530.2	7,377.2	33.5	28.9	134.45	1,106.2	1,118.2	966.8	929.2	37.67	25.663	
8,350.0	8,249.9	7,550.0	7,386.2	33.6	29.1	128.42	1,108.5	1,135.7	1,012.1	974.4	37.68	26.858	
8,400.0	8,298.7	7,550.0	7,386.2	33.7	29.1	118.25	1,108.5	1,135.7	1,058.3	1,021.2	37.11	28.518	
8,450.0	8,346.2	7,550.0	7,386.2	33.8	29.1	104.80	1,108.5	1,135.7	1,105.6	1,068.9	36.70	30.121	
8,500.0	8,392.3	7,550.0	7,386.2	33.9	29.1	88.60	1,108.5	1,135.7	1,153.4	1,116.9	36.45	31.640	
8,550.0	8,436.5	7,550.0	7,386.2	33.9	29.1	71.93	1,108.5	1,135.7	1,201.3	1,165.0	36.35	33.051	
8,600.0	8,478.5	7,550.0	7,386.2	34.0	29.1	57.43	1,108.5	1,135.7	1,249.1	1,212.7	36.38	34.335	
8,650.0	8,518.0	7,550.0	7,386.2	34.0	29.1	46.17	1,108.5	1,135.7	1,296.3	1,259.8	36.54	35.478	
8,700.0	8,554.6	7,550.0	7,386.2	34.0	29.1	37.84	1,108.5	1,135.7	1,342.7	1,305.9	36.81	36.474	
8,750.0	8,588.1	7,531.1	7,377.7	34.0	29.0	30.73	1,106.3	1,119.0	1,387.6	1,351.0	36.63	37.884	
8,800.0	8,618.3	7,525.1	7,374.8	33.9	28.9	26.17	1,105.6	1,113.8	1,431.3	1,394.4	36.95	38.740	
8,850.0	8,644.9	7,518.3	7,371.5	33.9	28.9	22.71	1,104.9	1,107.9	1,473.4	1,436.0	37.34	39.460	
8,900.0	8,667.7	7,500.0	7,362.4	33.9	28.7	19.79	1,102.8	1,092.2	1,513.7	1,476.2	37.50	40.368	
8,950.0	8,686.6	7,500.0	7,362.4	33.9	28.7	17.90	1,102.8	1,092.2	1,551.7	1,513.5	38.26	40.561	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #113H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.0	8,701.3	7,500.0	7,362.4	33.9	28.7	16.37	1,102.8	1,092.2	1,587.7	1,548.6	39.08	40.626	
9,050.0	8,711.8	7,500.0	7,362.4	33.9	28.7	15.13	1,102.8	1,092.2	1,621.5	1,581.5	39.96	40.575	
9,100.0	8,718.1	7,474.5	7,348.7	33.9	28.6	13.82	1,100.0	1,070.8	1,652.2	1,611.9	40.24	41.062	
9,146.5	8,720.0	7,450.0	7,334.7	33.9	28.4	12.84	1,097.5	1,050.9	1,678.9	1,638.3	40.54	41.418	
9,200.0	8,720.0	7,450.0	7,334.7	34.1	28.4	12.84	1,097.5	1,050.9	1,708.1	1,666.5	41.61	41.049	
9,300.0	8,720.0	7,450.0	7,334.7	34.5	28.4	12.84	1,097.5	1,050.9	1,765.9	1,722.3	43.52	40.572	
9,400.0	8,720.0	7,400.0	7,303.6	35.2	28.1	12.36	1,092.4	1,012.1	1,826.1	1,782.0	44.17	41.340	
9,500.0	8,720.0	7,400.0	7,303.6	36.2	28.1	12.36	1,092.4	1,012.1	1,888.8	1,843.0	45.86	41.185	
9,600.0	8,720.0	7,380.6	7,290.6	37.3	28.0	12.17	1,090.6	997.8	1,954.2	1,907.2	47.02	41.562	
9,700.0	8,720.0	7,350.0	7,269.1	38.6	27.8	11.88	1,087.8	976.2	2,022.0	1,974.2	47.87	42.238	
9,800.0	8,720.0	7,350.0	7,269.1	39.9	27.8	11.88	1,087.8	976.2	2,091.5	2,042.2	49.22	42.493	
9,900.0	8,720.0	7,350.0	7,269.1	41.4	27.8	11.88	1,087.8	976.2	2,163.3	2,112.9	50.45	42.883	
10,000.0	8,720.0	7,321.4	7,248.0	43.0	27.7	11.62	1,085.3	957.0	2,236.4	2,185.3	51.11	43.759	
10,100.0	8,720.0	7,300.0	7,231.7	44.6	27.5	11.42	1,083.5	943.4	2,311.5	2,259.6	51.83	44.597	
10,200.0	8,720.0	7,300.0	7,231.7	46.3	27.5	11.42	1,083.5	943.4	2,387.9	2,335.1	52.81	45.220	
10,300.0	8,720.0	7,300.0	7,231.7	48.1	27.5	11.42	1,083.5	943.4	2,466.0	2,412.3	53.70	45.925	
10,400.0	8,720.0	7,273.4	7,210.6	50.0	27.4	11.19	1,081.4	927.3	2,544.9	2,490.7	54.17	46.980	
10,500.0	8,720.0	7,250.0	7,191.5	51.8	27.3	10.98	1,079.7	913.9	2,625.4	2,570.7	54.65	48.042	
10,600.0	8,720.0	7,250.0	7,191.5	53.8	27.3	10.98	1,079.7	913.9	2,706.6	2,651.2	55.36	48.888	
10,700.0	8,720.0	7,250.0	7,191.5	55.8	27.3	10.98	1,079.7	913.9	2,789.1	2,733.1	56.02	49.787	
10,800.0	8,720.0	7,250.0	7,191.5	57.8	27.3	10.98	1,079.7	913.9	2,872.7	2,816.0	56.62	50.732	
10,900.0	8,720.0	7,225.8	7,171.1	59.8	27.2	10.78	1,078.0	900.9	2,956.6	2,899.7	56.94	51.923	
11,000.0	8,720.0	7,200.0	7,148.8	61.9	27.1	10.57	1,076.3	888.1	3,042.0	2,984.8	57.23	53.157	
11,100.0	8,720.0	7,200.0	7,148.8	64.0	27.1	10.57	1,076.3	888.1	3,127.6	3,069.9	57.73	54.181	
11,200.0	8,720.0	7,200.0	7,148.8	66.1	27.1	10.57	1,076.3	888.1	3,214.0	3,155.8	58.19	55.237	
11,300.0	8,720.0	7,200.0	7,148.8	68.2	27.1	10.57	1,076.3	888.1	3,301.2	3,242.6	58.61	56.321	
11,400.0	8,720.0	7,200.0	7,148.8	70.4	27.1	10.57	1,076.3	888.1	3,389.1	3,330.1	59.01	57.432	
11,500.0	8,720.0	7,200.0	7,148.8	72.6	27.1	10.57	1,076.3	888.1	3,477.7	3,418.3	59.38	58.566	
11,600.0	8,720.0	7,175.5	7,127.1	74.8	27.0	10.37	1,074.8	876.8	3,566.2	3,506.6	59.56	59.881	
11,700.0	8,720.0	7,150.0	7,104.1	77.0	26.9	10.18	1,073.4	866.0	3,656.0	3,596.3	59.72	61.224	
11,800.0	8,720.0	7,150.0	7,104.1	79.2	26.9	10.18	1,073.4	866.0	3,745.6	3,685.6	60.03	62.394	
11,900.0	8,720.0	7,150.0	7,104.1	81.5	26.9	10.18	1,073.4	866.0	3,835.8	3,775.5	60.33	63.582	
12,000.0	8,720.0	7,150.0	7,104.1	83.7	26.9	10.18	1,073.4	866.0	3,926.5	3,865.8	60.61	64.785	
12,100.0	8,720.0	7,150.0	7,104.1	86.0	26.9	10.18	1,073.4	866.0	4,017.5	3,956.7	60.87	66.003	
12,200.0	8,720.0	7,150.0	7,104.1	88.3	26.9	10.18	1,073.4	866.0	4,109.1	4,047.9	61.12	67.233	
12,300.0	8,720.0	7,150.0	7,104.1	90.5	26.9	10.18	1,073.4	866.0	4,200.9	4,139.6	61.35	68.475	
12,400.0	8,720.0	7,150.0	7,104.1	92.8	26.9	10.18	1,073.4	866.0	4,293.2	4,231.6	61.57	69.727	
12,500.0	8,720.0	7,150.0	7,104.1	95.1	26.9	10.18	1,073.4	866.0	4,385.8	4,324.0	61.78	70.990	
12,600.0	8,720.0	7,125.2	7,081.2	97.4	26.8	9.99	1,072.2	856.5	4,478.1	4,416.2	61.87	72.382	
12,700.0	8,720.0	7,100.0	7,057.6	99.8	26.7	9.81	1,071.1	847.9	4,571.5	4,509.6	61.95	73.793	
12,800.0	8,720.0	7,100.0	7,057.6	102.1	26.7	9.81	1,071.1	847.9	4,664.7	4,602.5	62.14	75.067	
12,900.0	8,720.0	7,100.0	7,057.6	104.4	26.7	9.81	1,071.1	847.9	4,758.1	4,695.7	62.32	76.349	
13,000.0	8,720.0	7,100.0	7,057.6	106.7	26.7	9.81	1,071.1	847.9	4,851.7	4,789.2	62.49	77.638	
13,100.0	8,720.0	7,100.0	7,057.6	109.1	26.7	9.81	1,071.1	847.9	4,945.6	4,883.0	62.66	78.932	
13,200.0	8,720.0	7,100.0	7,057.6	111.4	26.7	9.81	1,071.1	847.9	5,039.8	4,976.9	62.81	80.233	
13,300.0	8,720.0	7,100.0	7,057.6	113.8	26.7	9.81	1,071.1	847.9	5,134.1	5,071.1	62.97	81.538	
13,400.0	8,720.0	7,100.0	7,057.6	116.1	26.7	9.81	1,071.1	847.9	5,228.7	5,165.6	63.11	82.849	
13,500.0	8,720.0	7,100.0	7,057.6	118.5	26.7	9.81	1,071.1	847.9	5,323.5	5,260.2	63.25	84.163	
13,600.0	8,720.0	7,100.0	7,057.6	120.8	26.7	9.81	1,071.1	847.9	5,418.4	5,355.0	63.39	85.481	
13,700.0	8,720.0	7,100.0	7,057.6	123.2	26.7	9.81	1,071.1	847.9	5,513.5	5,450.0	63.52	86.802	
13,800.0	8,720.0	7,100.0	7,057.6	125.6	26.7	9.81	1,071.1	847.9	5,608.8	5,545.2	63.65	88.127	
13,900.0	8,720.0	7,100.0	7,057.6	127.9	26.7	9.81	1,071.1	847.9	5,704.3	5,640.5	63.77	89.454	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #113H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.0	8,720.0	7,100.0	7,057.6	130.3	26.7	9.81	1,071.1	847.9	5,799.9	5,736.0	63.89	90.784	
14,100.0	8,720.0	7,076.8	7,035.5	132.7	26.6	9.65	1,070.2	840.8	5,895.2	5,831.2	63.94	92.196	
14,200.0	8,720.0	7,074.3	7,033.1	135.1	26.6	9.64	1,070.1	840.1	5,991.0	5,926.9	64.05	93.535	
14,300.0	8,720.0	7,050.0	7,009.6	137.4	26.5	9.48	1,069.3	833.8	6,087.3	6,023.2	64.10	94.963	
14,400.0	8,720.0	7,050.0	7,009.6	139.8	26.5	9.48	1,069.3	833.8	6,183.3	6,119.1	64.21	96.292	
14,500.0	8,720.0	7,050.0	7,009.6	142.2	26.5	9.48	1,069.3	833.8	6,279.3	6,215.0	64.32	97.623	
14,600.0	8,720.0	7,050.0	7,009.6	144.6	26.5	9.48	1,069.3	833.8	6,375.5	6,311.1	64.43	98.956	
14,700.0	8,720.0	7,050.0	7,009.6	147.0	26.5	9.48	1,069.3	833.8	6,471.8	6,407.3	64.53	100.289	
14,800.0	8,720.0	7,050.0	7,009.6	149.4	26.5	9.48	1,069.3	833.8	6,568.2	6,503.6	64.63	101.622	
14,900.0	8,720.0	7,050.0	7,009.6	151.8	26.5	9.48	1,069.3	833.8	6,664.8	6,600.0	64.73	102.956	
15,000.0	8,720.0	7,050.0	7,009.6	154.2	26.5	9.48	1,069.3	833.8	6,761.4	6,696.5	64.83	104.291	
15,100.0	8,720.0	7,050.0	7,009.6	156.6	26.5	9.48	1,069.3	833.8	6,858.1	6,793.2	64.93	105.625	
15,200.0	8,720.0	7,050.0	7,009.6	159.0	26.5	9.48	1,069.3	833.8	6,954.9	6,889.9	65.02	106.960	
15,300.0	8,720.0	7,050.0	7,009.6	161.4	26.5	9.48	1,069.3	833.8	7,051.8	6,986.7	65.12	108.294	
15,400.0	8,720.0	7,050.0	7,009.6	163.8	26.5	9.48	1,069.3	833.8	7,148.8	7,083.6	65.21	109.628	
15,500.0	8,720.0	7,050.0	7,009.6	166.2	26.5	9.48	1,069.3	833.8	7,245.8	7,180.5	65.30	110.962	
15,600.0	8,720.0	7,050.0	7,009.6	168.6	26.5	9.48	1,069.3	833.8	7,343.0	7,277.6	65.39	112.294	
15,700.0	8,720.0	7,050.0	7,009.6	171.0	26.5	9.48	1,069.3	833.8	7,440.2	7,374.7	65.48	113.626	
15,800.0	8,720.0	7,050.0	7,009.6	173.4	26.5	9.48	1,069.3	833.8	7,537.5	7,471.9	65.57	114.957	
15,900.0	8,720.0	7,050.0	7,009.6	175.8	26.5	9.48	1,069.3	833.8	7,634.9	7,569.2	65.66	116.287	
16,000.0	8,720.0	7,050.0	7,009.6	178.2	26.5	9.48	1,069.3	833.8	7,732.3	7,666.5	65.74	117.616	
16,100.0	8,720.0	7,050.0	7,009.6	180.6	26.5	9.48	1,069.3	833.8	7,829.8	7,764.0	65.83	118.944	
16,200.0	8,720.0	7,050.0	7,009.6	183.0	26.5	9.48	1,069.3	833.8	7,927.3	7,861.4	65.91	120.270	
16,300.0	8,720.0	7,050.0	7,009.6	185.5	26.5	9.48	1,069.3	833.8	8,025.0	7,959.0	66.00	121.595	
16,400.0	8,720.0	7,050.0	7,009.6	187.9	26.5	9.48	1,069.3	833.8	8,122.6	8,056.5	66.08	122.918	
16,500.0	8,720.0	7,050.0	7,009.6	190.3	26.5	9.48	1,069.3	833.8	8,220.4	8,154.2	66.17	124.240	
16,600.0	8,720.0	7,050.0	7,009.6	192.7	26.5	9.48	1,069.3	833.8	8,318.1	8,251.9	66.25	125.560	
16,700.0	8,720.0	7,050.0	7,009.6	195.1	26.5	9.48	1,069.3	833.8	8,416.0	8,349.6	66.33	126.878	
16,800.0	8,720.0	7,050.0	7,009.6	197.5	26.5	9.48	1,069.3	833.8	8,513.9	8,447.5	66.41	128.194	
16,900.0	8,720.0	7,050.0	7,009.6	200.0	26.5	9.48	1,069.3	833.8	8,611.8	8,545.3	66.50	129.508	
17,000.0	8,720.0	7,025.7	6,986.0	202.4	26.4	9.33	1,068.6	828.5	8,709.2	8,642.7	66.55	130.871	
17,100.0	8,720.0	7,024.5	6,984.8	204.8	26.4	9.32	1,068.6	828.3	8,807.2	8,740.6	66.63	132.182	
17,200.0	8,720.0	7,023.3	6,983.6	207.2	26.4	9.31	1,068.5	828.1	8,905.2	8,838.5	66.71	133.491	
17,300.0	8,720.0	7,000.0	6,960.6	209.6	26.3	9.18	1,068.0	824.0	9,003.7	8,937.0	66.77	134.856	
17,400.0	8,720.0	7,000.0	6,960.6	212.1	26.3	9.18	1,068.0	824.0	9,101.8	9,034.9	66.85	136.156	
17,500.0	8,720.0	7,000.0	6,960.6	214.5	26.3	9.18	1,068.0	824.0	9,199.9	9,132.9	66.93	137.454	
17,600.0	8,720.0	7,000.0	6,960.6	216.9	26.3	9.18	1,068.0	824.0	9,298.0	9,231.0	67.01	138.750	
17,700.0	8,720.0	7,000.0	6,960.6	219.3	26.3	9.18	1,068.0	824.0	9,396.2	9,329.1	67.09	140.043	
17,800.0	8,720.0	7,000.0	6,960.6	221.8	26.3	9.18	1,068.0	824.0	9,494.4	9,427.2	67.18	141.334	
17,900.0	8,720.0	7,000.0	6,960.6	224.2	26.3	9.18	1,068.0	824.0	9,592.6	9,525.4	67.26	142.622	
18,000.0	8,720.0	7,000.0	6,960.6	226.6	26.3	9.18	1,068.0	824.0	9,690.9	9,623.6	67.34	143.908	
18,100.0	8,720.0	7,000.0	6,960.6	229.1	26.3	9.18	1,068.0	824.0	9,789.2	9,721.8	67.42	145.191	
18,200.0	8,720.0	7,000.0	6,960.6	231.5	26.3	9.18	1,068.0	824.0	9,887.6	9,820.1	67.51	146.471	
18,300.0	8,720.0	7,000.0	6,960.6	233.9	26.3	9.18	1,068.0	824.0	9,986.0	9,918.4	67.59	147.748	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #123H - Wellbore #1 - State Plan #1 - On Lease

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	3.0	-3.0	0.0	0.0	44.48	30.5	29.9	42.7				
100.0	100.0	103.0	97.0	0.1	0.1	44.48	30.5	29.9	42.7	42.4	0.27	159.836	
200.0	200.0	203.0	197.0	0.5	0.5	44.48	30.5	29.9	42.7	41.7	0.98	43.380	
300.0	300.0	303.0	297.0	0.8	0.9	44.48	30.5	29.9	42.7	41.0	1.70	25.095	CC, ES
400.0	400.0	403.0	397.0	1.2	1.2	-166.37	30.5	29.9	43.5	41.1	2.40	18.114	
424.5	424.5	421.5	421.5	1.3	1.3	-166.52	30.5	29.9	44.0	41.4	2.55	17.237	
500.0	500.0	503.0	497.0	1.5	1.6	-167.00	30.5	29.9	45.6	42.5	3.10	14.701	
600.0	599.9	603.1	596.9	1.9	1.9	-167.58	30.5	29.9	47.7	43.9	3.81	12.536	
700.0	699.9	703.1	696.9	2.2	2.3	-168.12	30.5	29.9	49.8	45.3	4.52	11.039	
800.0	799.9	803.1	796.9	2.6	2.6	-168.61	30.5	29.9	52.0	46.7	5.23	9.944	
900.0	899.9	903.1	896.9	2.9	3.0	-169.07	30.5	29.9	54.1	48.2	5.94	9.110	
1,000.0	999.9	1,003.1	996.9	3.3	3.4	-169.49	30.5	29.9	56.2	49.6	6.65	8.454	
1,100.0	1,099.8	1,103.2	1,096.8	3.7	3.7	-169.88	30.5	29.9	58.4	51.0	7.37	7.924	
1,200.0	1,199.8	1,203.2	1,196.8	4.0	4.1	-170.24	30.5	29.9	60.5	52.4	8.08	7.488	
1,300.0	1,299.8	1,303.2	1,296.8	4.4	4.4	-170.58	30.5	29.9	62.7	53.9	8.80	7.123	
1,400.0	1,399.8	1,403.2	1,396.8	4.7	4.8	-170.89	30.5	29.9	64.8	55.3	9.51	6.813	
1,475.7	1,475.5	1,472.5	1,472.5	5.0	5.0	-171.12	30.5	29.9	66.4	56.4	10.03	6.622	
1,500.0	1,499.7	1,496.7	1,496.7	5.1	5.1	-171.18	30.5	29.9	66.9	56.7	10.21	6.556	
1,600.3	1,600.0	1,594.2	1,594.1	5.4	5.5	39.42	31.8	31.3	69.8	58.9	10.89	6.406	
1,700.0	1,699.7	1,690.7	1,690.5	5.8	5.8	-2.55	36.1	35.4	75.1	63.5	11.54	6.507	
1,800.0	1,799.7	1,787.1	1,786.4	6.1	6.2	-2.08	43.3	42.4	82.8	70.7	12.17	6.810	
1,900.0	1,899.6	1,882.9	1,881.1	6.4	6.5	-1.56	53.3	52.2	93.1	80.3	12.77	7.286	
2,000.0	1,999.4	1,978.0	1,974.6	6.8	6.9	-1.05	66.0	64.6	105.7	92.3	13.36	7.913	
2,100.0	2,099.1	2,075.0	2,069.1	7.1	7.3	-0.57	81.4	79.5	120.0	106.0	13.99	8.580	
2,200.0	2,198.6	2,174.1	2,165.7	7.5	7.7	-0.19	97.3	95.1	133.1	118.4	14.69	9.061	
2,300.0	2,298.0	2,273.5	2,262.5	7.8	8.1	0.13	113.3	110.7	144.4	129.0	15.39	9.383	
2,400.0	2,397.1	2,373.0	2,359.5	8.2	8.5	0.41	129.4	126.3	154.0	137.9	16.10	9.565	
2,500.0	2,496.0	2,472.7	2,456.6	8.5	8.9	0.66	145.4	142.0	161.8	145.0	16.81	9.625	
2,600.0	2,594.7	2,572.5	2,553.9	8.9	9.4	0.89	161.5	157.7	167.9	150.4	17.53	9.579	
2,697.6	2,690.7	2,670.0	2,648.9	9.3	9.8	1.12	177.2	173.0	172.2	154.0	18.24	9.443	
2,700.0	2,693.0	2,672.4	2,651.2	9.3	9.8	1.12	177.6	173.4	172.3	154.0	18.25	9.439	
2,800.0	2,791.2	2,772.3	2,748.6	9.7	10.3	1.35	193.7	189.0	175.8	156.8	18.98	9.263	
2,900.0	2,889.3	2,872.3	2,846.0	10.1	10.7	1.56	209.8	204.7	179.4	159.7	19.71	9.099	
3,000.0	2,987.5	2,972.2	2,943.4	10.5	11.2	1.77	225.9	220.4	182.9	162.5	20.45	8.945	
3,100.0	3,085.7	3,072.2	3,040.7	10.9	11.7	1.97	242.0	236.1	186.5	165.3	21.19	8.801	
3,200.0	3,183.8	3,172.1	3,138.1	11.3	12.1	2.17	258.1	251.8	190.0	168.1	21.93	8.666	
3,300.0	3,282.0	3,272.0	3,235.5	11.7	12.6	2.35	274.2	267.5	193.6	170.9	22.67	8.539	
3,400.0	3,380.2	3,372.0	3,332.9	12.1	13.1	2.53	290.3	283.2	197.1	173.7	23.41	8.419	
3,500.0	3,478.4	3,471.9	3,430.2	12.6	13.5	2.71	306.4	298.9	200.7	176.5	24.16	8.306	
3,600.0	3,576.5	3,571.8	3,527.6	13.0	14.0	2.87	322.5	314.6	204.2	179.3	24.91	8.199	
3,700.0	3,674.7	3,671.8	3,625.0	13.4	14.5	3.03	338.6	330.3	207.8	182.1	25.66	8.098	
3,800.0	3,772.9	3,771.7	3,722.3	13.8	15.0	3.19	354.7	346.0	211.3	184.9	26.41	8.002	
3,900.0	3,871.1	3,871.6	3,819.7	14.3	15.5	3.34	370.8	361.7	214.9	187.7	27.16	7.912	
4,000.0	3,969.2	3,971.6	3,917.1	14.7	15.9	3.49	386.9	377.4	218.5	190.5	27.92	7.826	
4,100.0	4,067.4	4,071.5	4,014.5	15.1	16.4	3.63	403.0	393.0	222.0	193.4	28.67	7.744	
4,200.0	4,165.6	4,171.4	4,111.8	15.6	16.9	3.76	419.1	408.7	225.6	196.2	29.43	7.666	
4,300.0	4,263.7	4,271.4	4,209.2	16.0	17.4	3.90	435.2	424.4	229.2	199.0	30.19	7.592	
4,400.0	4,361.9	4,371.3	4,306.6	16.5	17.9	4.03	451.3	440.1	232.7	201.8	30.94	7.521	
4,500.0	4,460.1	4,471.2	4,404.0	16.9	18.4	4.15	467.4	455.8	236.3	204.6	31.70	7.453	
4,600.0	4,558.3	4,571.2	4,501.3	17.4	18.9	4.27	483.5	471.5	239.9	207.4	32.46	7.389	
4,700.0	4,656.4	4,671.1	4,598.7	17.8	19.4	4.39	499.6	487.2	243.4	210.2	33.23	7.327	
4,800.0	4,754.6	4,771.0	4,696.1	18.2	19.8	4.50	515.7	502.9	247.0	213.0	33.99	7.268	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #123H - Wellbore #1 - State Plan #1 - On Lease

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,852.8	4,871.0	4,793.5	18.7	20.3	4.61	531.7	518.6	250.6	215.8	34.75	7.211	
5,000.0	4,950.9	4,970.9	4,890.8	19.1	20.8	4.72	547.8	534.3	254.2	218.6	35.51	7.157	
5,100.0	5,049.1	5,070.9	4,988.2	19.6	21.3	4.82	563.9	550.0	257.7	221.5	36.28	7.105	
5,200.0	5,147.3	5,170.8	5,085.6	20.0	21.8	4.93	580.0	565.7	261.3	224.3	37.04	7.055	
5,300.0	5,245.5	5,270.7	5,183.0	20.5	22.3	5.03	596.1	581.4	264.9	227.1	37.81	7.006	
5,400.0	5,343.6	5,370.7	5,280.3	20.9	22.8	5.12	612.2	597.0	268.5	229.9	38.57	6.960	
5,500.0	5,441.8	5,470.6	5,377.7	21.4	23.3	5.22	628.3	612.7	272.0	232.7	39.34	6.916	
5,600.0	5,540.0	5,570.5	5,475.1	21.8	23.8	5.31	644.4	628.4	275.6	235.5	40.10	6.873	
5,700.0	5,638.1	5,670.5	5,572.4	22.3	24.3	5.40	660.5	644.1	279.2	238.3	40.87	6.831	
5,800.0	5,736.3	5,770.4	5,669.8	22.8	24.8	5.48	676.6	659.8	282.8	241.1	41.64	6.791	
5,900.0	5,834.5	5,870.3	5,767.2	23.2	25.3	5.57	692.7	675.5	286.4	244.0	42.41	6.753	
6,000.0	5,932.7	5,970.3	5,864.6	23.7	25.8	5.65	708.8	691.2	289.9	246.8	43.17	6.716	
6,100.0	6,030.8	6,070.2	5,961.9	24.1	26.3	5.73	724.9	706.9	293.5	249.6	43.94	6.680	
6,200.0	6,129.0	6,170.1	6,059.3	24.6	26.8	5.81	741.0	722.6	297.1	252.4	44.71	6.645	
6,300.0	6,227.2	6,270.1	6,156.7	25.0	27.3	5.88	757.1	738.3	300.7	255.2	45.48	6.611	
6,400.0	6,325.3	6,370.1	6,254.2	25.5	27.8	5.96	773.2	754.0	304.3	258.0	46.25	6.579	
6,500.0	6,423.5	6,478.8	6,360.4	25.9	28.3	6.06	789.6	770.0	306.4	259.3	47.13	6.500	
6,600.0	6,521.7	6,587.5	6,467.2	26.4	28.8	6.20	803.8	783.8	305.7	257.7	47.98	6.371	
6,700.0	6,619.9	6,696.0	6,574.5	26.9	29.3	6.39	815.9	795.5	302.1	253.4	48.77	6.194	
6,800.0	6,718.0	6,804.3	6,681.8	27.3	29.7	6.63	825.7	805.1	295.8	246.2	49.53	5.971	
6,900.0	6,816.2	6,912.0	6,789.1	27.8	30.1	6.94	833.3	812.5	286.6	236.3	50.24	5.705	
7,000.0	6,914.4	7,019.1	6,895.9	28.2	30.5	7.32	838.7	817.8	274.6	223.7	50.90	5.396	
7,100.0	7,012.5	7,125.4	7,002.1	28.7	30.8	7.80	841.9	821.0	259.9	208.4	51.52	5.046	
7,200.0	7,110.7	7,230.8	7,107.4	29.1	31.1	8.42	843.1	822.1	242.5	190.4	52.10	4.656	
7,300.0	7,208.9	7,329.2	7,205.9	29.6	31.4	9.13	843.1	822.1	223.7	170.9	52.81	4.236	
7,400.0	7,307.1	7,427.4	7,304.1	30.1	31.7	9.98	843.1	822.1	204.9	151.4	53.55	3.827	
7,500.0	7,405.2	7,525.5	7,402.2	30.5	32.0	10.99	843.1	822.1	186.2	131.9	54.30	3.430	
7,514.9	7,419.9	7,540.2	7,416.9	30.6	32.0	11.16	843.1	822.1	183.4	129.0	54.41	3.371	
7,600.0	7,503.6	7,623.9	7,500.6	31.0	32.3	12.12	843.1	822.1	168.5	113.4	55.06	3.060	
7,700.0	7,602.4	7,722.7	7,599.4	31.4	32.6	13.28	843.1	822.1	153.3	97.5	55.83	2.746	
7,800.0	7,701.5	7,821.8	7,698.5	31.8	32.9	14.45	843.1	822.1	140.7	84.1	56.60	2.486	
7,900.0	7,801.0	7,912.5	7,789.1	32.2	33.1	15.86	843.1	823.8	132.5	74.8	57.73	2.295	
7,913.3	7,814.2	7,923.5	7,800.1	32.3	33.2	16.20	843.1	824.8	132.4	74.5	57.89	2.286 SF	
8,000.0	7,900.7	7,995.0	7,870.6	32.6	33.4	19.34	843.1	836.2	138.2	79.6	58.63	2.357	
8,100.0	8,000.5	8,073.2	7,945.5	32.9	33.8	23.93	843.1	858.7	159.7	101.1	58.61	2.724	
8,200.0	8,100.5	8,144.4	8,010.4	33.2	34.2	28.17	843.1	887.7	196.2	138.6	57.60	3.406	
8,246.5	8,147.0	8,174.6	8,036.7	33.4	34.4	72.18	843.1	902.5	217.8	160.9	56.87	3.830	
8,250.0	8,150.5	8,176.8	8,038.6	33.4	34.4	161.78	843.1	903.6	219.5	162.7	56.81	3.864	
8,300.0	8,200.4	8,206.0	8,063.3	33.5	34.6	162.25	843.1	919.3	247.5	191.6	55.91	4.426	
8,350.0	8,249.9	8,231.3	8,084.0	33.6	34.7	162.38	843.1	933.8	280.7	225.7	55.02	5.102	
8,400.0	8,298.7	8,250.0	8,098.9	33.7	34.9	161.87	843.1	945.2	318.4	264.5	53.96	5.901	
8,450.0	8,346.2	8,269.5	8,113.9	33.8	35.0	161.04	843.1	957.5	359.8	306.3	53.46	6.731	
8,500.0	8,392.3	8,282.8	8,124.0	33.9	35.1	159.06	843.1	966.2	404.1	351.2	52.86	7.644	
8,550.0	8,436.5	8,300.0	8,136.7	33.9	35.2	156.53	843.1	977.8	450.7	397.7	52.97	8.509	
8,600.0	8,478.5	8,300.0	8,136.7	34.0	35.2	148.64	843.1	977.8	498.6	446.5	52.14	9.564	
8,650.0	8,518.0	8,300.0	8,136.7	34.0	35.2	131.77	843.1	977.8	547.7	496.0	51.70	10.594	
8,700.0	8,554.6	8,300.0	8,136.7	34.0	35.2	93.78	843.1	977.8	597.4	545.8	51.58	11.581	
8,750.0	8,588.1	8,300.0	8,136.7	34.0	35.2	50.16	843.1	977.8	647.1	595.4	51.72	12.511	
8,800.0	8,618.3	8,300.0	8,136.7	33.9	35.2	29.04	843.1	977.8	696.5	644.5	52.06	13.380	
8,850.0	8,644.9	8,300.0	8,136.7	33.9	35.2	19.48	843.1	977.8	745.4	692.9	52.55	14.184	
8,900.0	8,667.7	8,300.0	8,136.7	33.9	35.2	14.37	843.1	977.8	793.5	740.4	53.17	14.924	
8,950.0	8,686.6	8,284.7	8,125.4	33.9	35.1	10.75	843.1	967.5	840.3	787.1	53.22	15.790	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #123H - Wellbore #1 - State Plan #1 - On Lease

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.0	8,701.3	8,276.5	8,119.3	33.9	35.0	8.70	843.1	962.1	885.8	832.1	53.71	16.492	
9,050.0	8,711.8	8,267.3	8,112.3	33.9	35.0	7.27	843.1	956.1	929.7	875.4	54.25	17.137	
9,100.0	8,718.1	8,250.0	8,098.9	33.9	34.9	6.16	843.1	945.2	971.9	917.3	54.57	17.809	
9,146.5	8,720.0	8,250.0	8,098.9	33.9	34.9	5.52	843.1	945.2	1,009.3	953.8	55.50	18.185	
9,200.0	8,720.0	8,235.6	8,087.4	34.1	34.8	5.41	843.1	936.4	1,051.7	995.6	56.06	18.760	
9,300.0	8,720.0	8,215.4	8,071.1	34.5	34.6	5.27	843.1	924.6	1,132.6	1,075.5	57.16	19.816	
9,400.0	8,720.0	8,200.0	8,058.3	35.2	34.5	5.16	843.1	916.0	1,215.6	1,157.4	58.18	20.893	
9,500.0	8,720.0	8,180.5	8,041.8	36.2	34.4	5.03	843.1	905.5	1,300.1	1,241.2	58.93	22.061	
9,600.0	8,720.0	8,150.0	8,015.4	37.3	34.2	4.83	843.1	890.4	1,386.4	1,327.1	59.34	23.364	
9,700.0	8,720.0	8,150.0	8,015.4	38.6	34.2	4.83	843.1	890.4	1,473.5	1,413.2	60.25	24.454	
9,800.0	8,720.0	8,150.0	8,015.4	39.9	34.2	4.83	843.1	890.4	1,562.0	1,501.0	61.02	25.601	
9,900.0	8,720.0	8,126.8	7,994.7	41.4	34.1	4.69	843.1	879.8	1,651.3	1,590.0	61.32	26.931	
10,000.0	8,720.0	8,100.0	7,970.3	43.0	33.9	4.53	843.1	868.7	1,741.8	1,680.3	61.53	28.310	
10,100.0	8,720.0	8,100.0	7,970.3	44.6	33.9	4.53	843.1	868.7	1,832.6	1,770.6	62.05	29.533	
10,200.0	8,720.0	8,100.0	7,970.3	46.3	33.9	4.53	843.1	868.7	1,924.3	1,861.8	62.51	30.786	
10,300.0	8,720.0	8,100.0	7,970.3	48.1	33.9	4.53	843.1	868.7	2,016.8	1,953.9	62.90	32.065	
10,400.0	8,720.0	8,080.0	7,951.8	50.0	33.8	4.42	843.1	861.1	2,109.6	2,046.5	63.05	33.459	
10,500.0	8,720.0	8,072.5	7,944.9	51.8	33.8	4.37	843.1	858.4	2,203.0	2,139.7	63.30	34.803	
10,600.0	8,720.0	8,050.0	7,923.6	53.8	33.7	4.25	843.1	850.9	2,297.0	2,233.7	63.39	36.235	
10,700.0	8,720.0	8,050.0	7,923.6	55.8	33.7	4.25	843.1	850.9	2,391.1	2,327.5	63.66	37.562	
10,800.0	8,720.0	8,050.0	7,923.6	57.8	33.7	4.25	843.1	850.9	2,485.6	2,421.7	63.89	38.902	
10,900.0	8,720.0	8,050.0	7,923.6	59.8	33.7	4.25	843.1	850.9	2,580.6	2,516.5	64.11	40.255	
11,000.0	8,720.0	8,050.0	7,923.6	61.9	33.7	4.25	843.1	850.9	2,675.9	2,611.6	64.30	41.617	
11,100.0	8,720.0	8,050.0	7,923.6	64.0	33.7	4.25	843.1	850.9	2,771.5	2,707.0	64.47	42.989	
11,200.0	8,720.0	8,050.0	7,923.6	66.1	33.7	4.25	843.1	850.9	2,867.5	2,802.8	64.63	44.369	
11,300.0	8,720.0	8,027.0	7,901.7	68.2	33.6	4.14	843.1	844.2	2,963.1	2,898.5	64.65	45.831	
11,400.0	8,720.0	8,022.7	7,897.5	70.4	33.6	4.11	843.1	843.0	3,059.3	2,994.6	64.77	47.233	
11,500.0	8,720.0	8,000.0	7,875.5	72.6	33.5	4.00	843.1	837.3	3,156.1	3,091.3	64.79	48.710	
11,600.0	8,720.0	8,000.0	7,875.5	74.8	33.5	4.00	843.1	837.3	3,252.6	3,187.7	64.92	50.101	
11,700.0	8,720.0	8,000.0	7,875.5	77.0	33.5	4.00	843.1	837.3	3,349.3	3,284.2	65.04	51.497	
11,800.0	8,720.0	8,000.0	7,875.5	79.2	33.5	4.00	843.1	837.3	3,446.1	3,381.0	65.15	52.897	
11,900.0	8,720.0	8,000.0	7,875.5	81.5	33.5	4.00	843.1	837.3	3,543.2	3,477.9	65.25	54.300	
12,000.0	8,720.0	8,000.0	7,875.5	83.7	33.5	4.00	843.1	837.3	3,640.4	3,575.0	65.35	55.707	
12,100.0	8,720.0	8,000.0	7,875.5	86.0	33.5	4.00	843.1	837.3	3,737.7	3,672.3	65.44	57.116	
12,200.0	8,720.0	8,000.0	7,875.5	88.3	33.5	4.00	843.1	837.3	3,835.2	3,769.7	65.53	58.528	
12,300.0	8,720.0	8,000.0	7,875.5	90.5	33.5	4.00	843.1	837.3	3,932.8	3,867.2	65.61	59.942	
12,400.0	8,720.0	8,000.0	7,875.5	92.8	33.5	4.00	843.1	837.3	4,030.6	3,964.9	65.69	61.357	
12,500.0	8,720.0	8,000.0	7,875.5	95.1	33.5	4.00	843.1	837.3	4,128.4	4,062.6	65.77	62.773	
12,600.0	8,720.0	8,000.0	7,875.5	97.4	33.5	4.00	843.1	837.3	4,226.3	4,160.5	65.84	64.190	
12,700.0	8,720.0	8,000.0	7,875.5	99.8	33.5	4.00	843.1	837.3	4,324.4	4,258.5	65.91	65.608	
12,800.0	8,720.0	8,000.0	7,875.5	102.1	33.5	4.00	843.1	837.3	4,422.5	4,356.5	65.98	67.026	
12,900.0	8,720.0	7,977.4	7,853.5	104.4	33.4	3.90	843.1	832.6	4,520.2	4,454.2	65.99	68.495	
13,000.0	8,720.0	7,975.3	7,851.4	106.7	33.4	3.89	843.1	832.2	4,618.4	4,552.3	66.06	69.916	
13,100.0	8,720.0	7,973.3	7,849.4	109.1	33.4	3.88	843.1	831.8	4,716.6	4,650.5	66.12	71.338	
13,200.0	8,720.0	7,950.0	7,826.4	111.4	33.3	3.78	843.1	828.0	4,815.4	4,749.3	66.13	72.817	
13,300.0	8,720.0	7,950.0	7,826.4	113.8	33.3	3.78	843.1	828.0	4,913.7	4,847.5	66.20	74.230	
13,400.0	8,720.0	7,950.0	7,826.4	116.1	33.3	3.78	843.1	828.0	5,012.1	4,945.8	66.26	75.643	
13,500.0	8,720.0	7,950.0	7,826.4	118.5	33.3	3.78	843.1	828.0	5,110.5	5,044.2	66.32	77.055	
13,600.0	8,720.0	7,950.0	7,826.4	120.8	33.3	3.78	843.1	828.0	5,209.0	5,142.6	66.38	78.467	
13,700.0	8,720.0	7,950.0	7,826.4	123.2	33.3	3.78	843.1	828.0	5,307.5	5,241.1	66.45	79.877	
13,800.0	8,720.0	7,950.0	7,826.4	125.6	33.3	3.78	843.1	828.0	5,406.1	5,339.6	66.51	81.287	
13,900.0	8,720.0	7,950.0	7,826.4	127.9	33.3	3.78	843.1	828.0	5,504.8	5,438.2	66.57	82.695	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #123H - Wellbore #1 - State Plan #1 - On Lease

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.0	8,720.0	7,950.0	7,826.4	130.3	33.3	3.78	843.1	828.0	5,603.5	5,536.9	66.63	84.102	
14,100.0	8,720.0	7,950.0	7,826.4	132.7	33.3	3.78	843.1	828.0	5,702.2	5,635.6	66.69	85.508	
14,200.0	8,720.0	7,950.0	7,826.4	135.1	33.3	3.78	843.1	828.0	5,801.0	5,734.3	66.75	86.912	
14,300.0	8,720.0	7,950.0	7,826.4	137.4	33.3	3.78	843.1	828.0	5,899.9	5,833.1	66.81	88.314	
14,400.0	8,720.0	7,950.0	7,826.4	139.8	33.3	3.78	843.1	828.0	5,998.7	5,931.9	66.86	89.715	
14,500.0	8,720.0	7,950.0	7,826.4	142.2	33.3	3.78	843.1	828.0	6,097.6	6,030.7	66.92	91.114	
14,600.0	8,720.0	7,950.0	7,826.4	144.6	33.3	3.78	843.1	828.0	6,196.6	6,129.6	66.98	92.511	
14,700.0	8,720.0	7,950.0	7,826.4	147.0	33.3	3.78	843.1	828.0	6,295.6	6,228.5	67.04	93.906	
14,800.0	8,720.0	7,950.0	7,826.4	149.4	33.3	3.78	843.1	828.0	6,394.6	6,327.5	67.10	95.299	
14,900.0	8,720.0	7,950.0	7,826.4	151.8	33.3	3.78	843.1	828.0	6,493.6	6,426.4	67.16	96.689	
15,000.0	8,720.0	7,950.0	7,826.4	154.2	33.3	3.78	843.1	828.0	6,592.7	6,525.4	67.22	98.078	
15,100.0	8,720.0	7,950.0	7,826.4	156.6	33.3	3.78	843.1	828.0	6,691.8	6,624.5	67.28	99.464	
15,200.0	8,720.0	7,950.0	7,826.4	159.0	33.3	3.78	843.1	828.0	6,790.9	6,723.5	67.34	100.848	
15,300.0	8,720.0	7,950.0	7,826.4	161.4	33.3	3.78	843.1	828.0	6,890.0	6,822.6	67.40	102.229	
15,400.0	8,720.0	7,950.0	7,826.4	163.8	33.3	3.78	843.1	828.0	6,989.2	6,921.7	67.46	103.608	
15,500.0	8,720.0	7,950.0	7,826.4	166.2	33.3	3.78	843.1	828.0	7,088.4	7,020.9	67.52	104.984	
15,600.0	8,720.0	7,950.0	7,826.4	168.6	33.3	3.78	843.1	828.0	7,187.6	7,120.0	67.58	106.358	
15,700.0	8,720.0	7,950.0	7,826.4	171.0	33.3	3.78	843.1	828.0	7,286.8	7,219.2	67.64	107.729	
15,800.0	8,720.0	7,950.0	7,826.4	173.4	33.3	3.78	843.1	828.0	7,386.1	7,318.4	67.70	109.097	
15,900.0	8,720.0	7,950.0	7,826.4	175.8	33.3	3.78	843.1	828.0	7,485.4	7,417.6	67.76	110.462	
16,000.0	8,720.0	7,950.0	7,826.4	178.2	33.3	3.78	843.1	828.0	7,584.7	7,516.8	67.83	111.824	
16,100.0	8,720.0	7,950.0	7,826.4	180.6	33.3	3.78	843.1	828.0	7,684.0	7,616.1	67.89	113.184	
16,200.0	8,720.0	7,950.0	7,826.4	183.0	33.3	3.78	843.1	828.0	7,783.3	7,715.4	67.95	114.540	
16,300.0	8,720.0	7,950.0	7,826.4	185.5	33.3	3.78	843.1	828.0	7,882.7	7,814.6	68.02	115.893	
16,400.0	8,720.0	7,950.0	7,826.4	187.9	33.3	3.78	843.1	828.0	7,982.0	7,913.9	68.08	117.244	
16,500.0	8,720.0	7,950.0	7,826.4	190.3	33.3	3.78	843.1	828.0	8,081.4	8,013.3	68.15	118.591	
16,600.0	8,720.0	7,950.0	7,826.4	192.7	33.3	3.78	843.1	828.0	8,180.8	8,112.6	68.21	119.935	
16,700.0	8,720.0	7,950.0	7,826.4	195.1	33.3	3.78	843.1	828.0	8,280.2	8,211.9	68.28	121.276	
16,800.0	8,720.0	7,950.0	7,826.4	197.5	33.3	3.78	843.1	828.0	8,379.6	8,311.3	68.34	122.613	
16,900.0	8,720.0	7,950.0	7,826.4	200.0	33.3	3.78	843.1	828.0	8,479.1	8,410.7	68.41	123.947	
17,000.0	8,720.0	7,950.0	7,826.4	202.4	33.3	3.78	843.1	828.0	8,578.5	8,510.0	68.48	125.278	
17,100.0	8,720.0	7,950.0	7,826.4	204.8	33.3	3.78	843.1	828.0	8,678.0	8,609.4	68.54	126.606	
17,200.0	8,720.0	7,950.0	7,826.4	207.2	33.3	3.78	843.1	828.0	8,777.5	8,708.8	68.61	127.930	
17,300.0	8,720.0	7,926.4	7,803.0	209.6	33.2	3.68	843.1	825.1	8,876.4	8,807.8	68.66	129.287	
17,400.0	8,720.0	7,925.8	7,802.4	212.1	33.2	3.68	843.1	825.0	8,975.9	8,907.2	68.73	130.605	
17,500.0	8,720.0	7,925.2	7,801.8	214.5	33.2	3.68	843.1	825.0	9,075.4	9,006.6	68.80	131.919	
17,600.0	8,720.0	7,924.6	7,801.2	216.9	33.2	3.67	843.1	824.9	9,174.9	9,106.0	68.86	133.230	
17,700.0	8,720.0	7,924.0	7,800.6	219.3	33.2	3.67	843.1	824.9	9,274.4	9,205.4	68.94	134.538	
17,800.0	8,720.0	7,923.5	7,800.0	221.8	33.2	3.67	843.1	824.8	9,373.9	9,304.9	69.01	135.841	
17,900.0	8,720.0	7,900.0	7,776.7	224.2	33.1	3.58	843.1	823.0	9,473.9	9,404.8	69.06	137.191	
18,000.0	8,720.0	7,900.0	7,776.7	226.6	33.1	3.58	843.1	823.0	9,573.4	9,504.3	69.13	138.486	
18,100.0	8,720.0	7,900.0	7,776.7	229.1	33.1	3.58	843.1	823.0	9,672.9	9,603.7	69.20	139.778	
18,200.0	8,720.0	7,900.0	7,776.7	231.5	33.1	3.58	843.1	823.0	9,772.5	9,703.2	69.28	141.066	
18,300.0	8,720.0	7,900.0	7,776.7	233.9	33.1	3.58	843.1	823.0	9,872.0	9,802.7	69.35	142.350	
18,400.0	8,720.0	7,900.0	7,776.7	236.3	33.1	3.58	843.1	823.0	9,971.5	9,902.1	69.43	143.630	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #123H - Wellbore #1 - State Plan #2 - Off Lease

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	3.0	-3.0	0.0	0.0	44.48	30.5	29.9	42.7				
100.0	100.0	103.0	97.0	0.1	0.1	44.48	30.5	29.9	42.7	42.4	0.27	159.836	
200.0	200.0	203.0	197.0	0.5	0.5	44.48	30.5	29.9	42.7	41.7	0.98	43.380	
300.0	300.0	303.0	297.0	0.8	0.9	44.48	30.5	29.9	42.7	41.0	1.70	25.095	
400.0	400.0	403.0	397.0	1.2	1.2	-166.37	30.5	29.9	43.5	41.1	2.40	18.114	
424.5	424.5	421.5	421.5	1.3	1.3	-166.52	30.5	29.9	44.0	41.4	2.55	17.237	
500.0	500.0	503.0	497.0	1.5	1.6	-167.00	30.5	29.9	45.6	42.5	3.10	14.701	
600.0	599.9	603.1	596.9	1.9	1.9	-167.58	30.5	29.9	47.7	43.9	3.81	12.536	
700.0	699.9	703.1	696.9	2.2	2.3	-168.12	30.5	29.9	49.8	45.3	4.52	11.039	
800.0	799.9	803.1	796.9	2.6	2.6	-168.61	30.5	29.9	52.0	46.7	5.23	9.944	
900.0	899.9	903.1	896.9	2.9	3.0	-169.07	30.5	29.9	54.1	48.2	5.94	9.110	
1,000.0	999.9	996.9	996.9	3.3	3.3	-169.49	30.5	29.9	56.2	49.6	6.63	8.483	
1,100.0	1,099.8	1,104.1	1,095.8	3.7	3.7	-168.25	30.2	31.9	59.5	52.1	7.36	8.087	
1,200.0	1,199.8	1,204.2	1,195.7	4.0	4.1	-166.43	29.7	34.8	63.3	55.2	8.05	7.858	
1,300.0	1,299.8	1,304.3	1,295.6	4.4	4.4	-164.82	29.3	37.7	67.2	58.4	8.76	7.669	
1,400.0	1,399.8	1,404.4	1,395.4	4.7	4.8	-163.38	28.9	40.6	71.1	61.6	9.46	7.511	
1,475.7	1,475.5	1,471.3	1,471.1	5.0	5.0	-162.40	28.5	42.9	74.1	64.1	9.97	7.431	
1,500.0	1,499.7	1,504.5	1,495.3	5.1	5.1	-162.09	28.4	43.6	75.0	64.8	10.17	7.372	
1,600.3	1,600.0	1,604.3	1,595.5	5.4	5.5	49.95	28.0	46.5	77.7	66.9	10.87	7.154	
1,700.0	1,699.7	1,704.6	1,695.1	5.8	5.8	9.31	27.6	49.4	78.9	67.3	11.55	6.825	
1,800.0	1,799.7	1,804.6	1,795.1	6.1	6.2	11.19	27.1	52.3	78.3	66.1	12.24	6.399	
1,900.0	1,899.6	1,904.7	1,894.9	6.4	6.5	13.40	26.7	55.2	76.2	63.3	12.94	5.892	
2,000.0	1,999.4	2,004.8	1,994.8	6.8	6.9	16.11	26.3	58.2	72.5	58.9	13.63	5.321	
2,100.0	2,099.1	2,105.0	2,094.5	7.1	7.2	19.59	25.9	61.1	67.4	53.1	14.33	4.703	
2,200.0	2,198.6	2,205.4	2,194.1	7.5	7.6	24.28	25.4	64.0	60.9	45.9	15.03	4.054	
2,300.0	2,298.0	2,294.1	2,293.6	7.8	7.9	30.97	25.0	66.9	53.5	37.8	15.69	3.408	
2,400.0	2,397.1	2,406.6	2,392.8	8.2	8.3	41.04	24.6	69.8	45.6	29.2	16.44	2.775	
2,500.0	2,496.0	2,507.5	2,491.9	8.5	8.7	56.67	24.1	72.7	38.7	21.6	17.16	2.256	
2,600.0	2,594.7	2,608.6	2,590.7	8.9	9.0	79.37	23.7	75.6	35.3	17.4	17.90	1.973	
2,607.2	2,601.8	2,601.5	2,597.8	8.9	9.0	81.21	23.7	75.8	35.3	17.4	17.91	1.972	CC, ES, SF
2,697.6	2,690.7	2,687.6	2,686.9	9.3	9.3	104.24	23.3	78.4	38.3	19.8	18.57	2.065	
2,700.0	2,693.0	2,690.0	2,689.2	9.3	9.3	104.81	23.3	78.5	38.5	19.9	18.58	2.072	
2,800.0	2,791.2	2,788.4	2,787.6	9.7	9.7	124.28	22.9	81.3	48.2	28.9	19.30	2.498	
2,900.0	2,889.3	2,886.9	2,886.0	10.1	10.0	136.42	22.4	84.2	61.5	41.5	20.00	3.075	
3,000.0	2,987.5	2,985.3	2,984.4	10.5	10.4	144.07	22.0	87.1	76.6	55.9	20.70	3.698	
3,100.0	3,085.7	3,083.7	3,082.8	10.9	10.7	149.16	21.6	90.0	92.5	71.1	21.41	4.321	
3,200.0	3,183.8	3,182.2	3,181.2	11.3	11.1	152.74	21.2	92.9	108.9	86.8	22.11	4.927	
3,300.0	3,282.0	3,280.6	3,279.6	11.7	11.4	155.38	20.7	95.7	125.7	102.9	22.82	5.508	
3,400.0	3,380.2	3,379.1	3,378.0	12.1	11.8	157.40	20.3	98.6	142.7	119.1	23.53	6.062	
3,500.0	3,478.4	3,477.5	3,476.4	12.6	12.1	158.99	19.9	101.5	159.7	135.5	24.25	6.588	
3,600.0	3,576.5	3,576.0	3,574.8	13.0	12.5	160.27	19.5	104.4	176.9	152.0	24.96	7.088	
3,700.0	3,674.7	3,674.4	3,673.2	13.4	12.9	161.32	19.0	107.2	194.2	168.5	25.68	7.562	
3,800.0	3,772.9	3,772.8	3,771.6	13.8	13.2	162.20	18.6	110.1	211.5	185.1	26.40	8.012	
3,900.0	3,871.1	3,871.3	3,870.0	14.3	13.6	162.95	18.2	113.0	228.9	201.7	27.12	8.440	
4,000.0	3,969.2	3,969.7	3,968.4	14.7	13.9	163.59	17.8	115.9	246.2	218.4	27.84	8.846	
4,100.0	4,067.4	4,068.2	4,066.8	15.1	14.3	164.15	17.3	118.7	263.6	235.1	28.56	9.232	
4,200.0	4,165.6	4,166.6	4,165.2	15.6	14.6	164.64	16.9	121.6	281.1	251.8	29.28	9.600	
4,300.0	4,263.7	4,265.1	4,263.6	16.0	15.0	165.07	16.5	124.5	298.5	268.5	30.00	9.950	
4,400.0	4,361.9	4,363.5	4,362.0	16.5	15.3	165.45	16.1	127.4	316.0	285.3	30.73	10.284	
4,500.0	4,460.1	4,461.9	4,460.4	16.9	15.7	165.80	15.6	130.3	333.5	302.0	31.45	10.603	
4,600.0	4,558.3	4,560.4	4,558.8	17.4	16.0	166.10	15.2	133.1	351.0	318.8	32.17	10.908	
4,700.0	4,656.4	4,658.8	4,657.2	17.8	16.4	166.38	14.8	136.0	368.4	335.5	32.90	11.199	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #123H - Wellbore #1 - State Plan #2 - Off Lease

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	4,757.3	4,755.6	18.2	16.8	166.64	14.4	138.9	385.9	352.3	33.62	11.478	
4,900.0	4,852.8	4,855.7	4,854.0	18.7	17.1	166.87	13.9	141.8	403.5	369.1	34.35	11.745	
5,000.0	4,950.9	4,954.1	4,952.4	19.1	17.5	167.09	13.5	144.6	421.0	385.9	35.08	12.002	
5,100.0	5,049.1	5,075.7	5,073.9	19.6	17.9	167.53	16.4	148.4	436.1	400.2	35.92	12.142	
5,200.0	5,147.3	5,200.8	5,198.4	20.0	18.3	168.42	27.3	152.6	445.5	408.9	36.65	12.158	
5,300.0	5,245.5	5,326.2	5,322.2	20.5	18.8	169.78	46.5	157.2	449.3	412.1	37.25	12.061	
5,400.0	5,343.6	5,451.0	5,444.0	20.9	19.2	171.62	73.5	162.1	447.6	409.9	37.76	11.855	
5,500.0	5,441.8	5,574.1	5,562.0	21.4	19.6	174.01	108.0	167.3	440.8	402.6	38.17	11.547	
5,600.0	5,540.0	5,709.6	5,688.4	21.8	20.1	177.54	156.0	173.6	428.1	389.9	38.25	11.193	
5,700.0	5,638.1	5,843.8	5,807.3	22.3	20.6	-177.36	217.7	180.7	407.3	369.1	38.17	10.671	
5,800.0	5,736.3	5,966.3	5,908.9	22.8	21.2	-170.73	285.8	187.9	380.5	342.1	38.41	9.908	
5,900.0	5,834.5	6,052.2	5,977.8	23.2	21.6	-164.99	336.8	193.2	354.5	314.5	40.00	8.862	
6,000.0	5,932.7	6,140.1	6,048.3	23.7	22.1	-158.43	389.0	198.5	333.2	291.4	41.70	7.989	
6,100.0	6,030.8	6,228.0	6,118.9	24.1	22.5	-151.27	441.2	203.9	317.6	274.1	43.53	7.297	
6,200.0	6,129.0	6,315.9	6,189.4	24.6	23.0	-143.67	493.4	209.3	308.8	263.4	45.37	6.806	
6,272.1	6,199.8	6,379.3	6,240.2	24.9	23.4	-138.04	531.0	213.2	306.9	260.2	46.61	6.583	
6,300.0	6,227.2	6,403.8	6,259.9	25.0	23.6	-135.86	545.6	214.7	307.1	260.1	47.06	6.527	
6,400.0	6,325.3	6,508.3	6,330.4	25.5	24.2	-128.14	597.8	220.1	312.8	264.3	48.59	6.439	
6,500.0	6,423.5	6,579.6	6,400.9	25.9	24.7	-120.76	650.0	225.5	325.5	275.9	49.60	6.563	
6,600.0	6,521.7	6,667.6	6,471.5	26.4	25.2	-113.92	702.2	230.9	344.4	293.9	50.42	6.829	
6,700.0	6,619.9	6,755.5	6,542.0	26.9	25.8	-107.74	754.4	236.2	368.5	317.4	51.04	7.219	
6,800.0	6,718.0	6,843.4	6,612.5	27.3	26.5	-102.25	806.5	241.6	396.9	345.3	51.52	7.702	
6,900.0	6,816.2	6,931.3	6,683.0	27.8	27.1	-97.43	858.7	247.0	428.7	376.7	51.95	8.252	
7,000.0	6,914.4	7,019.2	6,753.6	28.2	27.7	-93.21	910.9	252.4	463.2	410.9	52.35	8.848	
7,100.0	7,012.5	7,107.1	6,824.1	28.7	28.4	-89.53	963.1	257.8	499.9	447.2	52.77	9.474	
7,200.0	7,110.7	7,205.0	6,894.6	29.1	29.1	-86.32	1,015.3	263.2	538.4	485.1	53.28	10.105	
7,300.0	7,208.9	7,282.9	6,965.1	29.6	29.7	-83.51	1,067.5	268.5	578.2	524.5	53.69	10.769	
7,400.0	7,307.1	7,370.8	7,035.6	30.1	30.4	-81.03	1,119.7	273.9	619.1	564.9	54.20	11.424	
7,500.0	7,405.2	7,502.4	7,143.8	30.5	31.4	-78.13	1,194.2	281.6	659.0	602.9	56.18	11.732	
7,514.9	7,419.9	7,526.6	7,164.6	30.6	31.6	-77.74	1,206.6	282.9	664.4	607.8	56.59	11.739	
7,600.0	7,503.6	7,671.9	7,294.2	31.0	32.6	-76.44	1,271.6	289.6	690.5	631.6	58.92	11.719	
7,700.0	7,602.4	7,855.4	7,468.0	31.4	33.7	-75.88	1,329.5	295.6	711.4	650.2	61.22	11.620	
7,800.0	7,701.5	8,046.4	7,656.4	31.8	34.5	-76.38	1,359.7	298.7	720.6	657.9	62.73	11.487	
7,900.0	7,801.0	8,229.8	7,839.2	32.2	35.1	-77.05	1,365.1	306.7	718.0	654.7	63.33	11.338	
8,000.0	7,900.7	8,395.1	7,996.1	32.6	35.7	-73.96	1,377.6	355.6	705.8	642.7	63.18	11.172	
8,100.0	8,000.5	8,527.5	8,107.2	32.9	36.3	-68.42	1,395.4	424.8	688.7	625.6	63.13	10.909	
8,200.0	8,100.5	8,624.2	8,176.5	33.2	36.7	-62.69	1,412.1	489.9	673.4	609.7	63.69	10.574	
8,246.5	8,147.0	8,659.1	8,198.5	33.4	36.9	-18.00	1,418.8	516.1	668.6	604.5	64.08	10.435	
8,250.0	8,150.5	8,661.4	8,200.0	33.4	36.9	71.75	1,419.3	517.9	668.3	604.2	64.11	10.426	
8,300.0	8,200.4	8,691.0	8,217.3	33.5	37.1	74.21	1,425.3	541.2	664.9	600.4	64.49	10.309	
8,350.0	8,249.9	8,712.7	8,229.1	33.6	37.2	76.07	1,429.8	558.7	663.0	598.3	64.75	10.239	
8,368.3	8,267.8	8,718.9	8,232.4	33.7	37.2	76.59	1,431.1	563.8	662.9	598.1	64.80	10.230	
8,400.0	8,298.7	8,727.7	8,237.0	33.7	37.3	77.27	1,433.0	571.2	663.4	598.6	64.81	10.236	
8,450.0	8,346.2	8,737.3	8,241.8	33.8	37.3	77.79	1,435.0	579.2	666.2	601.6	64.61	10.311	
8,500.0	8,392.3	8,742.3	8,244.3	33.9	37.4	77.67	1,436.1	583.4	671.8	607.7	64.16	10.471	
8,550.0	8,436.5	8,743.7	8,244.9	33.9	37.4	76.97	1,436.4	584.6	680.1	616.6	63.48	10.713	
8,600.0	8,478.5	8,741.9	8,244.1	34.0	37.4	75.74	1,436.0	583.1	690.9	628.3	62.62	11.034	
8,650.0	8,518.0	8,737.7	8,242.0	34.0	37.4	74.06	1,435.1	579.5	704.1	642.5	61.64	11.423	
8,700.0	8,554.6	8,731.3	8,238.8	34.0	37.3	72.01	1,433.7	574.1	719.3	658.7	60.61	11.869	
8,750.0	8,588.1	8,723.1	8,234.6	34.0	37.3	69.65	1,432.0	567.3	736.3	676.7	59.59	12.356	
8,800.0	8,618.3	8,713.4	8,229.5	33.9	37.2	67.08	1,429.9	559.3	754.6	695.9	58.65	12.867	
8,850.0	8,644.9	8,700.0	8,222.3	33.9	37.1	64.19	1,427.1	548.4	773.9	716.1	57.77	13.397	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #123H - Wellbore #1 - State Plan #2 - Off Lease

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,900.0	8,667.7	8,690.4	8,216.9	33.9	37.1	61.59	1,425.1	540.7	793.9	736.7	57.16	13.890	
8,950.0	8,686.6	8,677.3	8,209.4	33.9	37.0	58.82	1,422.5	530.3	814.2	757.6	56.67	14.368	
9,000.0	8,701.3	8,663.5	8,201.2	33.9	36.9	56.12	1,419.7	519.5	834.6	778.3	56.37	14.805	
9,050.0	8,711.8	8,650.0	8,193.0	33.9	36.9	53.58	1,417.0	509.2	854.8	798.5	56.29	15.185	
9,100.0	8,718.1	8,633.7	8,182.7	33.9	36.8	51.07	1,413.9	497.0	874.5	818.1	56.34	15.523	
9,146.5	8,720.0	8,619.1	8,173.1	33.9	36.7	48.94	1,411.2	486.2	892.2	835.6	56.55	15.776	
9,200.0	8,720.0	8,600.0	8,160.2	34.1	36.6	48.11	1,407.7	472.6	913.1	856.2	56.85	16.060	
9,300.0	8,720.0	8,573.6	8,141.7	34.5	36.5	46.95	1,403.0	454.5	957.3	899.5	57.84	16.551	
9,400.0	8,720.0	8,550.0	8,124.3	35.2	36.4	45.91	1,399.0	438.9	1,007.8	948.8	59.01	17.079	
9,500.0	8,720.0	8,523.9	8,104.4	36.2	36.2	44.76	1,394.8	422.5	1,063.7	1,003.6	60.11	17.695	
9,600.0	8,720.0	8,500.0	8,085.5	37.3	36.1	43.71	1,391.2	408.4	1,124.6	1,063.3	61.24	18.364	
9,700.0	8,720.0	8,482.9	8,071.6	38.6	36.1	42.97	1,388.7	398.7	1,189.7	1,127.3	62.44	19.054	
9,800.0	8,720.0	8,450.0	8,044.1	39.9	35.9	41.56	1,384.2	381.3	1,258.9	1,195.7	63.18	19.924	
9,900.0	8,720.0	8,450.0	8,044.1	41.4	35.9	41.56	1,384.2	381.3	1,330.8	1,266.3	64.53	20.624	
10,000.0	8,720.0	8,450.0	8,044.1	43.0	35.9	41.56	1,384.2	381.3	1,406.1	1,340.4	65.70	21.403	
10,100.0	8,720.0	8,420.4	8,018.5	44.6	35.8	40.32	1,380.5	366.9	1,483.4	1,417.1	66.23	22.398	
10,200.0	8,720.0	8,400.0	8,000.5	46.3	35.7	39.48	1,378.2	357.7	1,563.1	1,496.3	66.84	23.385	
10,300.0	8,720.0	8,400.0	8,000.5	48.1	35.7	39.48	1,378.2	357.7	1,644.6	1,577.0	67.68	24.300	
10,400.0	8,720.0	8,400.0	8,000.5	50.0	35.7	39.48	1,378.2	357.7	1,728.1	1,659.7	68.41	25.261	
10,500.0	8,720.0	8,375.7	7,978.5	51.8	35.6	38.51	1,375.6	347.6	1,812.6	1,743.8	68.75	26.363	
10,600.0	8,720.0	8,350.0	7,954.8	53.8	35.5	37.51	1,373.1	338.0	1,898.9	1,829.8	69.04	27.502	
10,700.0	8,720.0	8,350.0	7,954.8	55.8	35.5	37.51	1,373.1	338.0	1,985.8	1,916.2	69.58	28.539	
10,800.0	8,720.0	8,350.0	7,954.8	57.8	35.5	37.51	1,373.1	338.0	2,073.9	2,003.8	70.06	29.603	
10,900.0	8,720.0	8,350.0	7,954.8	59.8	35.5	37.51	1,373.1	338.0	2,163.0	2,092.5	70.48	30.690	
11,000.0	8,720.0	8,350.0	7,954.8	61.9	35.5	37.51	1,373.1	338.0	2,253.0	2,182.1	70.85	31.799	
11,100.0	8,720.0	8,329.0	7,935.2	64.0	35.4	36.72	1,371.3	330.8	2,343.4	2,272.3	71.02	32.996	
11,200.0	8,720.0	8,322.8	7,929.4	66.1	35.4	36.49	1,370.7	328.9	2,434.6	2,363.3	71.28	34.153	
11,300.0	8,720.0	8,300.0	7,907.6	68.2	35.3	35.67	1,369.0	322.1	2,526.7	2,455.3	71.40	35.387	
11,400.0	8,720.0	8,300.0	7,907.6	70.4	35.3	35.67	1,369.0	322.1	2,618.9	2,547.3	71.67	36.541	
11,500.0	8,720.0	8,300.0	7,907.6	72.6	35.3	35.67	1,369.0	322.1	2,711.7	2,639.8	71.91	37.708	
11,600.0	8,720.0	8,300.0	7,907.6	74.8	35.3	35.67	1,369.0	322.1	2,804.9	2,732.8	72.13	38.885	
11,700.0	8,720.0	8,300.0	7,907.6	77.0	35.3	35.67	1,369.0	322.1	2,898.6	2,826.3	72.34	40.071	
11,800.0	8,720.0	8,300.0	7,907.6	79.2	35.3	35.67	1,369.0	322.1	2,992.7	2,920.2	72.52	41.266	
11,900.0	8,720.0	8,300.0	7,907.6	81.5	35.3	35.67	1,369.0	322.1	3,087.2	3,014.5	72.69	42.468	
12,000.0	8,720.0	8,300.0	7,907.6	83.7	35.3	35.67	1,369.0	322.1	3,182.0	3,109.2	72.85	43.677	
12,100.0	8,720.0	8,300.0	7,907.6	86.0	35.3	35.67	1,369.0	322.1	3,277.1	3,204.1	73.00	44.892	
12,200.0	8,720.0	8,277.3	7,885.7	88.3	35.2	34.87	1,367.5	316.3	3,372.0	3,299.0	73.04	46.169	
12,300.0	8,720.0	8,273.9	7,882.4	90.5	35.2	34.76	1,367.3	315.4	3,467.5	3,394.4	73.16	47.399	
12,400.0	8,720.0	8,250.0	7,859.1	92.8	35.1	33.96	1,366.0	310.3	3,563.7	3,490.5	73.18	48.696	
12,500.0	8,720.0	8,250.0	7,859.1	95.1	35.1	33.96	1,366.0	310.3	3,659.5	3,586.2	73.30	49.922	
12,600.0	8,720.0	8,250.0	7,859.1	97.4	35.1	33.96	1,366.0	310.3	3,755.5	3,682.1	73.42	51.151	
12,700.0	8,720.0	8,250.0	7,859.1	99.8	35.1	33.96	1,366.0	310.3	3,851.7	3,778.2	73.53	52.384	
12,800.0	8,720.0	8,250.0	7,859.1	102.1	35.1	33.96	1,366.0	310.3	3,948.2	3,874.5	73.63	53.619	
12,900.0	8,720.0	8,250.0	7,859.1	104.4	35.1	33.96	1,366.0	310.3	4,044.8	3,971.0	73.73	54.858	
13,000.0	8,720.0	8,250.0	7,859.1	106.7	35.1	33.96	1,366.0	310.3	4,141.5	4,067.7	73.83	56.098	
13,100.0	8,720.0	8,250.0	7,859.1	109.1	35.1	33.96	1,366.0	310.3	4,238.4	4,164.5	73.92	57.340	
13,200.0	8,720.0	8,250.0	7,859.1	111.4	35.1	33.96	1,366.0	310.3	4,335.5	4,261.5	74.00	58.584	
13,300.0	8,720.0	8,250.0	7,859.1	113.8	35.1	33.96	1,366.0	310.3	4,432.6	4,358.6	74.09	59.829	
13,400.0	8,720.0	8,250.0	7,859.1	116.1	35.1	33.96	1,366.0	310.3	4,529.9	4,455.8	74.17	61.075	
13,500.0	8,720.0	8,250.0	7,859.1	118.5	35.1	33.96	1,366.0	310.3	4,627.4	4,553.1	74.25	62.323	
13,600.0	8,720.0	8,250.0	7,859.1	120.8	35.1	33.96	1,366.0	310.3	4,724.9	4,650.6	74.32	63.571	
13,700.0	8,720.0	8,250.0	7,859.1	123.2	35.1	33.96	1,366.0	310.3	4,822.5	4,748.1	74.40	64.819	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #123H - Wellbore #1 - State Plan #2 - Off Lease

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.0	8,720.0	8,250.0	7,859.1	125.6	35.1	33.96	1,366.0	310.3	4,920.2	4,845.8	74.47	66.068	
13,900.0	8,720.0	8,250.0	7,859.1	127.9	35.1	33.96	1,366.0	310.3	5,018.0	4,943.5	74.54	67.317	
14,000.0	8,720.0	8,250.0	7,859.1	130.3	35.1	33.96	1,366.0	310.3	5,115.9	5,041.3	74.61	68.567	
14,100.0	8,720.0	8,250.0	7,859.1	132.7	35.1	33.96	1,366.0	310.3	5,213.9	5,139.2	74.68	69.816	
14,200.0	8,720.0	8,250.0	7,859.1	135.1	35.1	33.96	1,366.0	310.3	5,312.0	5,237.2	74.75	71.065	
14,300.0	8,720.0	8,250.0	7,859.1	137.4	35.1	33.96	1,366.0	310.3	5,410.1	5,335.3	74.81	72.313	
14,400.0	8,720.0	8,227.1	7,836.6	139.8	35.0	33.23	1,365.0	306.3	5,507.8	5,432.9	74.83	73.604	
14,500.0	8,720.0	8,225.7	7,835.2	142.2	35.0	33.18	1,364.9	306.1	5,606.0	5,531.1	74.89	74.853	
14,600.0	8,720.0	8,224.2	7,833.8	144.6	35.0	33.14	1,364.8	305.9	5,704.2	5,629.2	74.95	76.102	
14,700.0	8,720.0	8,222.9	7,832.4	147.0	35.0	33.10	1,364.8	305.7	5,802.5	5,727.5	75.02	77.350	
14,800.0	8,720.0	8,200.0	7,809.8	149.4	35.0	32.40	1,364.0	302.7	5,901.3	5,826.3	75.04	78.647	
14,900.0	8,720.0	8,200.0	7,809.8	151.8	35.0	32.40	1,364.0	302.7	5,999.7	5,924.6	75.10	79.889	
15,000.0	8,720.0	8,200.0	7,809.8	154.2	35.0	32.40	1,364.0	302.7	6,098.1	6,022.9	75.16	81.131	
15,100.0	8,720.0	8,200.0	7,809.8	156.6	35.0	32.40	1,364.0	302.7	6,196.5	6,121.3	75.23	82.371	
15,200.0	8,720.0	8,200.0	7,809.8	159.0	35.0	32.40	1,364.0	302.7	6,295.0	6,219.7	75.29	83.611	
15,300.0	8,720.0	8,200.0	7,809.8	161.4	35.0	32.40	1,364.0	302.7	6,393.6	6,318.2	75.35	84.849	
15,400.0	8,720.0	8,200.0	7,809.8	163.8	35.0	32.40	1,364.0	302.7	6,492.2	6,416.8	75.42	86.086	
15,500.0	8,720.0	8,200.0	7,809.8	166.2	35.0	32.40	1,364.0	302.7	6,590.8	6,515.4	75.48	87.322	
15,600.0	8,720.0	8,200.0	7,809.8	168.6	35.0	32.40	1,364.0	302.7	6,689.5	6,614.0	75.54	88.556	
15,700.0	8,720.0	8,200.0	7,809.8	171.0	35.0	32.40	1,364.0	302.7	6,788.2	6,712.6	75.60	89.789	
15,800.0	8,720.0	8,200.0	7,809.8	173.4	35.0	32.40	1,364.0	302.7	6,887.0	6,811.3	75.66	91.020	
15,900.0	8,720.0	8,200.0	7,809.8	175.8	35.0	32.40	1,364.0	302.7	6,985.8	6,910.1	75.73	92.250	
16,000.0	8,720.0	8,200.0	7,809.8	178.2	35.0	32.40	1,364.0	302.7	7,084.6	7,008.8	75.79	93.478	
16,100.0	8,720.0	8,200.0	7,809.8	180.6	35.0	32.40	1,364.0	302.7	7,183.5	7,107.6	75.85	94.704	
16,200.0	8,720.0	8,200.0	7,809.8	183.0	35.0	32.40	1,364.0	302.7	7,282.4	7,206.4	75.91	95.929	
16,300.0	8,720.0	8,200.0	7,809.8	185.5	35.0	32.40	1,364.0	302.7	7,381.3	7,305.3	75.98	97.151	
16,400.0	8,720.0	8,200.0	7,809.8	187.9	35.0	32.40	1,364.0	302.7	7,480.2	7,404.2	76.04	98.372	
16,500.0	8,720.0	8,200.0	7,809.8	190.3	35.0	32.40	1,364.0	302.7	7,579.2	7,503.1	76.10	99.591	
16,600.0	8,720.0	8,200.0	7,809.8	192.7	35.0	32.40	1,364.0	302.7	7,678.2	7,602.0	76.17	100.808	
16,700.0	8,720.0	8,200.0	7,809.8	195.1	35.0	32.40	1,364.0	302.7	7,777.2	7,701.0	76.23	102.023	
16,800.0	8,720.0	8,200.0	7,809.8	197.5	35.0	32.40	1,364.0	302.7	7,876.3	7,800.0	76.29	103.236	
16,900.0	8,720.0	8,200.0	7,809.8	200.0	35.0	32.40	1,364.0	302.7	7,975.4	7,899.0	76.36	104.447	
17,000.0	8,720.0	8,200.0	7,809.8	202.4	35.0	32.40	1,364.0	302.7	8,074.5	7,998.0	76.42	105.655	
17,100.0	8,720.0	8,200.0	7,809.8	204.8	35.0	32.40	1,364.0	302.7	8,173.6	8,097.1	76.49	106.862	
17,200.0	8,720.0	8,200.0	7,809.8	207.2	35.0	32.40	1,364.0	302.7	8,272.7	8,196.2	76.55	108.066	
17,300.0	8,720.0	8,200.0	7,809.8	209.6	35.0	32.40	1,364.0	302.7	8,371.9	8,295.3	76.62	109.268	
17,400.0	8,720.0	8,200.0	7,809.8	212.1	35.0	32.40	1,364.0	302.7	8,471.1	8,394.4	76.68	110.467	
17,500.0	8,720.0	8,200.0	7,809.8	214.5	35.0	32.40	1,364.0	302.7	8,570.3	8,493.5	76.75	111.665	
17,600.0	8,720.0	8,200.0	7,809.8	216.9	35.0	32.40	1,364.0	302.7	8,669.5	8,592.7	76.82	112.860	
17,700.0	8,720.0	8,200.0	7,809.8	219.3	35.0	32.40	1,364.0	302.7	8,768.7	8,691.9	76.88	114.052	
17,800.0	8,720.0	8,200.0	7,809.8	221.8	35.0	32.40	1,364.0	302.7	8,868.0	8,791.0	76.95	115.242	
17,900.0	8,720.0	8,200.0	7,809.8	224.2	35.0	32.40	1,364.0	302.7	8,967.3	8,890.2	77.02	116.430	
18,000.0	8,720.0	8,200.0	7,809.8	226.6	35.0	32.40	1,364.0	302.7	9,066.5	8,989.5	77.09	117.615	
18,100.0	8,720.0	8,200.0	7,809.8	229.1	35.0	32.40	1,364.0	302.7	9,165.9	9,088.7	77.16	118.798	
18,200.0	8,720.0	8,200.0	7,809.8	231.5	35.0	32.40	1,364.0	302.7	9,265.2	9,187.9	77.22	119.978	
18,300.0	8,720.0	8,200.0	7,809.8	233.9	35.0	32.40	1,364.0	302.7	9,364.5	9,287.2	77.29	121.155	
18,400.0	8,720.0	8,200.0	7,809.8	236.3	35.0	32.40	1,364.0	302.7	9,463.8	9,386.5	77.36	122.330	
18,500.0	8,720.0	8,200.0	7,809.8	238.8	35.0	32.40	1,364.0	302.7	9,563.2	9,485.8	77.43	123.502	
18,600.0	8,720.0	8,200.0	7,809.8	241.2	35.0	32.40	1,364.0	302.7	9,662.6	9,585.1	77.50	124.672	
18,700.0	8,720.0	8,200.0	7,809.8	243.6	35.0	32.40	1,364.0	302.7	9,762.0	9,684.4	77.58	125.838	
18,800.0	8,720.0	8,200.0	7,809.8	246.1	35.0	32.40	1,364.0	302.7	9,861.4	9,783.7	77.65	127.003	
18,900.0	8,720.0	8,200.0	7,809.8	248.5	35.0	32.40	1,364.0	302.7	9,960.8	9,883.1	77.72	128.164	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #133H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	3.0	-3.0	0.0	0.0	164.61	-109.0	30.0	113.1				
100.0	100.0	103.0	97.0	0.1	0.1	164.61	-109.0	30.0	113.1	112.8	0.27	423.357	
200.0	200.0	203.0	197.0	0.5	0.5	164.61	-109.0	30.0	113.1	112.1	0.98	114.900	
300.0	300.0	303.0	297.0	0.8	0.9	164.61	-109.0	30.0	113.1	111.4	1.70	66.470	
400.0	400.0	403.0	397.0	1.2	1.2	-46.29	-109.0	30.0	112.5	110.1	2.40	46.792	
424.5	424.5	421.5	421.5	1.3	1.3	-46.47	-109.0	30.0	112.1	109.6	2.55	43.930	
500.0	500.0	497.0	497.0	1.5	1.6	-47.09	-109.0	30.0	111.0	107.9	3.08	36.041	
600.0	599.9	600.1	599.9	1.9	1.9	-50.11	-106.3	33.4	108.1	104.3	3.80	28.465	
700.0	699.9	700.6	699.7	2.2	2.3	-57.58	-98.7	43.3	103.7	99.1	4.52	22.955	
800.0	799.9	800.7	797.5	2.6	2.7	-66.28	-90.2	54.1	101.0	95.8	5.25	19.240	
856.7	856.6	855.3	852.9	2.8	2.9	-71.35	-85.4	60.2	100.6	94.9	5.66	17.763 CC	
900.0	899.9	901.9	895.2	2.9	3.1	-75.22	-81.8	64.9	100.8	94.8	6.00	16.806 ES	
1,000.0	999.9	1,003.2	993.0	3.3	3.5	-83.98	-73.3	75.8	103.2	96.4	6.75	15.279	
1,100.0	1,099.8	1,104.5	1,090.7	3.7	3.9	-92.18	-64.9	86.6	107.8	100.3	7.50	14.379	
1,200.0	1,199.8	1,205.8	1,188.5	4.0	4.3	-99.58	-56.4	97.4	114.5	106.3	8.24	13.905	
1,300.0	1,299.8	1,307.1	1,286.3	4.4	4.7	-106.08	-48.0	108.3	122.9	114.0	8.97	13.711	
1,400.0	1,399.8	1,408.3	1,384.0	4.7	5.1	-111.70	-39.6	119.1	132.7	123.1	9.69	13.698	
1,475.7	1,475.5	1,466.4	1,458.1	5.0	5.4	-115.42	-33.2	127.3	140.9	130.7	10.16	13.864	
1,500.0	1,499.7	1,509.6	1,481.8	5.1	5.5	-116.52	-31.1	129.9	143.6	133.2	10.41	13.796	
1,600.3	1,600.0	1,589.6	1,580.0	5.4	5.9	90.23	-22.6	140.8	154.8	143.7	11.04	14.022	
1,700.0	1,699.7	1,688.4	1,677.9	5.8	6.3	45.09	-14.2	151.7	165.3	153.6	11.73	14.098	
1,800.0	1,799.7	1,787.8	1,776.3	6.1	6.7	42.99	-5.7	162.6	175.0	162.6	12.42	14.084	
1,900.0	1,899.6	1,887.3	1,874.9	6.4	7.1	41.47	2.9	173.5	183.5	170.4	13.13	13.982	
2,000.0	1,999.4	1,987.0	1,973.6	6.8	7.5	40.43	11.4	184.5	190.9	177.0	13.84	13.795	
2,100.0	2,099.1	2,086.8	2,072.4	7.1	7.9	39.80	19.9	195.4	196.9	182.3	14.55	13.533	
2,200.0	2,198.6	2,186.7	2,171.3	7.5	8.3	39.53	28.5	206.4	201.6	186.3	15.27	13.203	
2,300.0	2,298.0	2,286.6	2,270.3	7.8	8.8	39.58	37.0	217.3	205.0	189.0	16.00	12.813	
2,400.0	2,397.1	2,386.6	2,369.3	8.2	9.2	39.95	45.6	228.3	207.0	190.3	16.73	12.371	
2,500.0	2,496.0	2,486.6	2,468.3	8.5	9.6	40.63	54.1	239.3	207.7	190.2	17.48	11.885	
2,600.0	2,594.7	2,586.5	2,567.2	8.9	10.0	41.64	62.7	250.3	207.1	188.9	18.23	11.362	
2,697.6	2,690.7	2,684.0	2,663.8	9.3	10.4	42.95	71.0	261.0	205.4	186.4	18.98	10.823	
2,700.0	2,693.0	2,686.4	2,666.1	9.3	10.4	42.98	71.2	261.2	205.4	186.4	19.00	10.809	
2,800.0	2,791.2	2,786.2	2,765.0	9.7	10.8	44.50	79.8	272.2	203.1	183.3	19.78	10.269	
2,900.0	2,889.3	2,886.0	2,863.8	10.1	11.3	46.06	88.3	283.1	201.0	180.4	20.57	9.772	
3,000.0	2,987.5	2,985.8	2,962.7	10.5	11.7	47.64	96.8	294.1	199.0	177.6	21.37	9.314	
3,100.0	3,085.7	3,085.7	3,061.5	10.9	12.1	49.25	105.4	305.1	197.2	175.0	22.17	8.892	
3,200.0	3,183.8	3,185.5	3,160.4	11.3	12.5	50.90	113.9	316.0	195.5	172.5	22.99	8.504	
3,300.0	3,282.0	3,285.3	3,259.2	11.7	12.9	52.57	122.5	327.0	194.0	170.2	23.82	8.146	
3,400.0	3,380.2	3,385.1	3,358.1	12.1	13.3	54.26	131.0	337.9	192.7	168.1	24.66	7.815	
3,500.0	3,478.4	3,485.0	3,457.0	12.6	13.8	55.98	139.5	348.9	191.6	166.1	25.51	7.511	
3,600.0	3,576.5	3,584.8	3,555.8	13.0	14.2	57.71	148.1	359.8	190.6	164.2	26.36	7.230	
3,700.0	3,674.7	3,684.6	3,654.7	13.4	14.6	59.46	156.6	370.8	189.8	162.6	27.23	6.971	
3,800.0	3,772.9	3,784.5	3,753.5	13.8	15.0	61.23	165.2	381.8	189.2	161.1	28.10	6.733	
3,900.0	3,871.1	3,884.3	3,852.4	14.3	15.4	63.00	173.7	392.7	188.7	159.8	28.98	6.514	
4,000.0	3,969.2	3,984.1	3,951.2	14.7	15.8	64.78	182.3	403.7	188.5	158.6	29.86	6.312	
4,089.8	4,057.4	4,073.8	4,040.1	15.1	16.2	66.38	189.9	413.5	188.4	157.8	30.66	6.145	
4,100.0	4,067.4	4,083.9	4,050.1	15.1	16.3	66.56	190.8	414.6	188.4	157.7	30.75	6.126	
4,200.0	4,165.6	4,183.8	4,149.0	15.6	16.7	68.35	199.3	425.6	188.5	156.9	31.65	5.956	
4,300.0	4,263.7	4,283.6	4,247.8	16.0	17.1	70.13	207.9	436.6	188.8	156.3	32.55	5.801	
4,400.0	4,361.9	4,383.4	4,346.7	16.5	17.5	71.90	216.4	447.5	189.3	155.8	33.46	5.658	
4,500.0	4,460.1	4,483.2	4,445.5	16.9	17.9	73.66	225.0	458.5	190.0	155.6	34.36	5.528	
4,600.0	4,558.3	4,583.1	4,544.4	17.4	18.3	75.41	233.5	469.4	190.8	155.5	35.27	5.409	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #133H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.0	4,656.4	4,682.9	4,643.2	17.8	18.8	77.14	242.0	480.4	191.8	155.6	36.18	5.301	
4,800.0	4,754.6	4,782.7	4,742.1	18.2	19.2	78.85	250.6	491.3	193.0	155.9	37.09	5.203	
4,900.0	4,852.8	4,882.6	4,840.9	18.7	19.6	80.54	259.1	502.3	194.3	156.3	38.00	5.114	
5,000.0	4,950.9	4,982.4	4,939.8	19.1	20.0	82.21	267.7	513.3	195.9	157.0	38.91	5.034	
5,100.0	5,049.1	5,082.2	5,038.7	19.6	20.4	83.84	276.2	524.2	197.5	157.7	39.81	4.962	
5,200.0	5,147.3	5,182.0	5,137.5	20.0	20.8	85.45	284.7	535.2	199.4	158.7	40.72	4.897	
5,300.0	5,245.5	5,281.9	5,236.4	20.5	21.3	87.03	293.3	546.1	201.4	159.8	41.62	4.839	
5,400.0	5,343.6	5,381.7	5,335.2	20.9	21.7	88.58	301.8	557.1	203.5	161.0	42.51	4.788	
5,500.0	5,441.8	5,481.5	5,434.1	21.4	22.1	90.09	310.4	568.0	205.8	162.4	43.41	4.742	
5,600.0	5,540.0	5,581.3	5,532.9	21.8	22.5	91.57	318.9	579.0	208.3	164.0	44.30	4.702	
5,700.0	5,638.1	5,681.2	5,631.8	22.3	22.9	93.01	327.4	590.0	210.8	165.7	45.18	4.667	
5,800.0	5,736.3	5,781.0	5,730.6	22.8	23.4	94.42	336.0	600.9	213.5	167.5	46.06	4.636	
5,900.0	5,834.5	5,880.8	5,829.5	23.2	23.8	95.79	344.5	611.9	216.4	169.4	46.94	4.610	
6,000.0	5,932.7	5,980.7	5,928.4	23.7	24.2	97.12	353.1	622.8	219.3	171.5	47.81	4.587	
6,100.0	6,030.8	6,080.5	6,027.2	24.1	24.6	98.42	361.6	633.8	222.4	173.7	48.68	4.569	
6,200.0	6,129.0	6,180.3	6,126.1	24.6	25.0	99.69	370.2	644.7	225.6	176.0	49.54	4.553	
6,300.0	6,227.2	6,280.1	6,224.9	25.0	25.4	100.92	378.7	655.7	228.8	178.4	50.40	4.541	
6,400.0	6,325.3	6,380.0	6,323.8	25.5	25.9	102.11	387.2	666.7	232.2	181.0	51.25	4.531	
6,500.0	6,423.5	6,479.8	6,422.6	25.9	26.3	103.27	395.8	677.6	235.7	183.6	52.10	4.524	
6,600.0	6,521.7	6,579.6	6,521.5	26.4	26.7	104.39	404.3	688.6	239.3	186.3	52.95	4.520	
6,700.0	6,619.9	6,679.4	6,620.3	26.9	27.1	105.48	412.9	699.5	243.0	189.2	53.79	4.517	
6,800.0	6,718.0	6,779.3	6,719.2	27.3	27.5	106.54	421.4	710.5	246.7	192.1	54.62	4.516	
6,900.0	6,816.2	6,879.1	6,818.1	27.8	27.9	107.57	429.9	721.5	250.5	195.1	55.46	4.518	
7,000.0	6,914.4	6,978.9	6,916.9	28.2	28.4	108.56	438.5	732.4	254.5	198.2	56.29	4.520	
7,100.0	7,012.5	7,078.8	7,015.8	28.7	28.8	109.53	447.0	743.4	258.4	201.3	57.12	4.525	
7,200.0	7,110.7	7,178.6	7,114.6	29.1	29.2	110.46	455.6	754.3	262.5	204.6	57.94	4.531	
7,300.0	7,208.9	7,278.4	7,213.5	29.6	29.6	111.37	464.1	765.3	266.6	207.9	58.76	4.537	
7,400.0	7,307.1	7,378.2	7,312.3	30.1	30.0	112.25	472.6	776.2	270.8	211.2	59.58	4.545	
7,500.0	7,405.2	7,478.1	7,411.2	30.5	30.5	113.10	481.2	787.2	275.1	214.7	60.39	4.554	
7,514.9	7,419.9	7,507.0	7,426.0	30.6	30.6	113.22	482.5	788.8	275.7	215.1	60.57	4.552	
7,600.0	7,503.6	7,577.9	7,510.1	31.0	30.9	113.79	489.7	798.2	279.0	217.8	61.21	4.558	
7,700.0	7,602.4	7,676.2	7,607.5	31.4	31.3	114.21	497.4	808.1	282.2	220.2	62.00	4.551	
7,800.0	7,701.5	7,774.3	7,705.1	31.8	31.7	114.63	503.6	816.0	285.0	222.2	62.76	4.541	
7,900.0	7,801.0	7,872.3	7,802.8	32.2	32.0	115.06	508.2	821.9	287.3	223.9	63.46	4.527	
8,000.0	7,900.7	7,970.3	7,900.7	32.6	32.4	115.49	511.3	825.8	289.3	225.1	64.13	4.511	
8,100.0	8,000.5	8,068.2	7,998.5	32.9	32.7	115.93	512.8	827.8	290.8	226.0	64.75	4.491	
8,200.0	8,100.5	8,167.1	8,097.5	33.2	33.0	116.33	513.0	828.0	291.8	226.5	65.36	4.465	
8,246.5	8,147.0	8,213.6	8,144.0	33.4	33.1	158.71	513.0	828.0	291.9	226.3	65.64	4.448	
8,250.0	8,150.5	8,217.1	8,147.5	33.4	33.1	-111.73	513.0	828.0	291.9	226.3	65.66	4.446	SF
8,300.0	8,200.4	8,258.9	8,189.3	33.5	33.3	-112.24	513.0	829.6	293.6	227.7	65.91	4.454	
8,350.0	8,249.9	8,299.2	8,229.3	33.6	33.4	-113.55	513.0	834.0	298.4	232.2	66.18	4.509	
8,400.0	8,298.7	8,336.6	8,266.1	33.7	33.6	-115.30	513.0	840.6	307.0	240.6	66.39	4.624	
8,450.0	8,346.2	8,370.1	8,298.6	33.8	33.7	-117.07	513.0	848.5	320.1	253.6	66.47	4.815	
8,500.0	8,392.3	8,400.0	8,327.3	33.9	33.9	-118.52	513.0	857.1	338.1	271.7	66.38	5.093	
8,550.0	8,436.5	8,423.7	8,349.6	33.9	34.0	-119.07	513.0	865.1	361.2	295.2	66.03	5.470	
8,600.0	8,478.5	8,443.7	8,368.2	34.0	34.1	-118.73	513.0	872.5	389.3	323.7	65.54	5.940	
8,650.0	8,518.0	8,459.5	8,382.6	34.0	34.2	-117.20	513.0	878.7	421.8	356.9	64.97	6.493	
8,700.0	8,554.6	8,471.3	8,393.4	34.0	34.3	-114.29	513.0	883.7	458.2	393.9	64.38	7.118	
8,750.0	8,588.1	8,479.6	8,400.8	34.0	34.3	-109.75	513.0	887.4	497.7	433.9	63.83	7.798	
8,800.0	8,618.3	8,484.8	8,405.5	33.9	34.3	-103.38	513.0	889.7	539.6	476.2	63.36	8.517	
8,850.0	8,644.9	8,487.2	8,407.7	33.9	34.4	-95.10	513.0	890.8	583.2	520.2	62.98	9.259	
8,900.0	8,667.7	8,487.3	8,407.7	33.9	34.4	-85.13	513.0	890.8	627.9	565.2	62.71	10.012	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #133H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,950.0	8,686.6	8,485.2	8,405.9	33.9	34.3	-74.22	513.0	889.9	673.2	610.6	62.54	10.764	
9,000.0	8,701.3	8,481.3	8,402.4	33.9	34.3	-63.41	513.0	888.1	718.6	656.1	62.46	11.505	
9,050.0	8,711.8	8,475.8	8,397.4	33.9	34.3	-53.65	513.0	885.7	763.7	701.3	62.46	12.227	
9,100.0	8,718.1	8,468.9	8,391.2	33.9	34.2	-45.42	513.0	882.7	808.3	745.7	62.53	12.926	
9,146.5	8,720.0	8,450.0	8,374.0	33.9	34.1	-38.30	513.0	874.9	849.1	786.7	62.32	13.624	
9,200.0	8,720.0	8,450.0	8,374.0	34.1	34.1	-38.30	513.0	874.9	895.3	832.6	62.74	14.270	
9,300.0	8,720.0	8,450.0	8,374.0	34.5	34.1	-38.30	513.0	874.9	983.8	920.5	63.36	15.527	
9,400.0	8,720.0	8,424.0	8,349.8	35.2	34.0	-36.43	513.0	865.2	1,073.4	1,010.1	63.32	16.952	
9,500.0	8,720.0	8,400.0	8,327.3	36.2	33.9	-34.82	513.0	857.1	1,164.7	1,101.4	63.32	18.395	
9,600.0	8,720.0	8,400.0	8,327.3	37.3	33.9	-34.82	513.0	857.1	1,256.7	1,193.0	63.68	19.734	
9,700.0	8,720.0	8,400.0	8,327.3	38.6	33.9	-34.82	513.0	857.1	1,349.8	1,285.9	63.96	21.104	
9,800.0	8,720.0	8,383.1	8,311.2	39.9	33.8	-33.74	513.0	852.1	1,443.5	1,379.6	63.99	22.560	
9,900.0	8,720.0	8,375.3	8,303.6	41.4	33.8	-33.26	513.0	849.9	1,538.0	1,473.9	64.10	23.993	
10,000.0	8,720.0	8,368.1	8,296.7	43.0	33.7	-32.82	513.0	848.0	1,632.9	1,568.7	64.20	25.435	
10,100.0	8,720.0	8,350.0	8,279.2	44.6	33.6	-31.77	513.0	843.5	1,728.5	1,664.3	64.18	26.931	
10,200.0	8,720.0	8,350.0	8,279.2	46.3	33.6	-31.77	513.0	843.5	1,824.2	1,759.9	64.32	28.363	
10,300.0	8,720.0	8,350.0	8,279.2	48.1	33.6	-31.77	513.0	843.5	1,920.3	1,855.9	64.43	29.805	
10,400.0	8,720.0	8,350.0	8,279.2	50.0	33.6	-31.77	513.0	843.5	2,016.8	1,952.3	64.52	31.257	
10,500.0	8,720.0	8,350.0	8,279.2	51.8	33.6	-31.77	513.0	843.5	2,113.7	2,049.1	64.61	32.717	
10,600.0	8,720.0	8,350.0	8,279.2	53.8	33.6	-31.77	513.0	843.5	2,210.8	2,146.1	64.68	34.182	
10,700.0	8,720.0	8,350.0	8,279.2	55.8	33.6	-31.77	513.0	843.5	2,308.2	2,243.4	64.74	35.654	
10,800.0	8,720.0	8,327.6	8,257.3	57.8	33.6	-30.53	513.0	838.8	2,405.2	2,340.5	64.68	37.186	
10,900.0	8,720.0	8,324.0	8,253.7	59.8	33.5	-30.34	513.0	838.1	2,502.8	2,438.1	64.72	38.672	
11,000.0	8,720.0	8,320.6	8,250.4	61.9	33.5	-30.16	513.0	837.5	2,600.5	2,535.8	64.76	40.159	
11,100.0	8,720.0	8,300.0	8,230.1	64.0	33.4	-29.11	513.0	834.1	2,698.8	2,634.0	64.71	41.703	
11,200.0	8,720.0	8,300.0	8,230.1	66.1	33.4	-29.11	513.0	834.1	2,796.7	2,731.9	64.76	43.183	
11,300.0	8,720.0	8,300.0	8,230.1	68.2	33.4	-29.11	513.0	834.1	2,894.7	2,829.9	64.81	44.665	
11,400.0	8,720.0	8,300.0	8,230.1	70.4	33.4	-29.11	513.0	834.1	2,992.9	2,928.1	64.85	46.150	
11,500.0	8,720.0	8,300.0	8,230.1	72.6	33.4	-29.11	513.0	834.1	3,091.2	3,026.4	64.89	47.636	
11,600.0	8,720.0	8,300.0	8,230.1	74.8	33.4	-29.11	513.0	834.1	3,189.7	3,124.7	64.93	49.123	
11,700.0	8,720.0	8,300.0	8,230.1	77.0	33.4	-29.11	513.0	834.1	3,288.2	3,223.2	64.97	50.611	
11,800.0	8,720.0	8,300.0	8,230.1	79.2	33.4	-29.11	513.0	834.1	3,386.8	3,321.8	65.01	52.099	
11,900.0	8,720.0	8,300.0	8,230.1	81.5	33.4	-29.11	513.0	834.1	3,485.4	3,420.4	65.04	53.588	
12,000.0	8,720.0	8,300.0	8,230.1	83.7	33.4	-29.11	513.0	834.1	3,584.2	3,519.1	65.08	55.077	
12,100.0	8,720.0	8,300.0	8,230.1	86.0	33.4	-29.11	513.0	834.1	3,683.0	3,617.9	65.11	56.566	
12,200.0	8,720.0	8,300.0	8,230.1	88.3	33.4	-29.11	513.0	834.1	3,781.9	3,716.7	65.14	58.055	
12,300.0	8,720.0	8,300.0	8,230.1	90.5	33.4	-29.11	513.0	834.1	3,880.8	3,815.6	65.18	59.543	
12,400.0	8,720.0	8,300.0	8,230.1	92.8	33.4	-29.11	513.0	834.1	3,979.8	3,914.6	65.21	61.031	
12,500.0	8,720.0	8,300.0	8,230.1	95.1	33.4	-29.11	513.0	834.1	4,078.8	4,013.6	65.24	62.517	
12,600.0	8,720.0	8,300.0	8,230.1	97.4	33.4	-29.11	513.0	834.1	4,177.9	4,112.7	65.28	64.003	
12,700.0	8,720.0	8,300.0	8,230.1	99.8	33.4	-29.11	513.0	834.1	4,277.1	4,211.7	65.31	65.487	
12,800.0	8,720.0	8,300.0	8,230.1	102.1	33.4	-29.11	513.0	834.1	4,376.2	4,310.9	65.35	66.971	
12,900.0	8,720.0	8,300.0	8,230.1	104.4	33.4	-29.11	513.0	834.1	4,475.4	4,410.0	65.38	68.452	
13,000.0	8,720.0	8,300.0	8,230.1	106.7	33.4	-29.11	513.0	834.1	4,574.7	4,509.3	65.42	69.933	
13,100.0	8,720.0	8,300.0	8,230.1	109.1	33.4	-29.11	513.0	834.1	4,673.9	4,608.5	65.45	71.411	
13,200.0	8,720.0	8,277.9	8,208.2	111.4	33.4	-28.06	513.0	831.3	4,772.8	4,707.3	65.44	72.930	
13,300.0	8,720.0	8,276.8	8,207.1	113.8	33.4	-28.01	513.0	831.2	4,872.0	4,806.6	65.48	74.407	
13,400.0	8,720.0	8,275.7	8,206.0	116.1	33.3	-27.96	513.0	831.1	4,971.4	4,905.8	65.51	75.882	
13,500.0	8,720.0	8,274.7	8,205.0	118.5	33.3	-27.91	513.0	831.0	5,070.7	5,005.1	65.55	77.355	
13,600.0	8,720.0	8,273.7	8,204.0	120.8	33.3	-27.86	513.0	830.9	5,170.0	5,104.5	65.59	78.826	
13,700.0	8,720.0	8,272.7	8,203.0	123.2	33.3	-27.82	513.0	830.8	5,269.4	5,203.8	65.63	80.294	
13,800.0	8,720.0	8,250.0	8,180.4	125.6	33.3	-26.81	513.0	829.0	5,369.3	5,303.7	65.63	81.817	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Dr Ellis - Dr Ellis #133H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.0	8,720.0	8,250.0	8,180.4	127.9	33.3	-26.81	513.0	829.0	5,468.7	5,403.0	65.67	83.278	
14,000.0	8,720.0	8,250.0	8,180.4	130.3	33.3	-26.81	513.0	829.0	5,568.1	5,502.4	65.71	84.737	
14,100.0	8,720.0	8,250.0	8,180.4	132.7	33.3	-26.81	513.0	829.0	5,667.5	5,601.7	65.75	86.194	
14,200.0	8,720.0	8,250.0	8,180.4	135.1	33.3	-26.81	513.0	829.0	5,766.9	5,701.1	65.80	87.648	
14,300.0	8,720.0	8,250.0	8,180.4	137.4	33.3	-26.81	513.0	829.0	5,866.4	5,800.6	65.84	89.099	
14,400.0	8,720.0	8,250.0	8,180.4	139.8	33.3	-26.81	513.0	829.0	5,965.9	5,900.0	65.89	90.548	
14,500.0	8,720.0	8,250.0	8,180.4	142.2	33.3	-26.81	513.0	829.0	6,065.4	5,999.5	65.93	91.995	
14,600.0	8,720.0	8,250.0	8,180.4	144.6	33.3	-26.81	513.0	829.0	6,164.9	6,098.9	65.98	93.438	
14,700.0	8,720.0	8,250.0	8,180.4	147.0	33.3	-26.81	513.0	829.0	6,264.4	6,198.4	66.03	94.879	
14,800.0	8,720.0	8,250.0	8,180.4	149.4	33.3	-26.81	513.0	829.0	6,364.0	6,297.9	66.07	96.317	
14,900.0	8,720.0	8,250.0	8,180.4	151.8	33.3	-26.81	513.0	829.0	6,463.5	6,397.4	66.12	97.752	
15,000.0	8,720.0	8,250.0	8,180.4	154.2	33.3	-26.81	513.0	829.0	6,563.1	6,496.9	66.17	99.183	
15,100.0	8,720.0	8,250.0	8,180.4	156.6	33.3	-26.81	513.0	829.0	6,662.7	6,596.5	66.22	100.612	
15,200.0	8,720.0	8,250.0	8,180.4	159.0	33.3	-26.81	513.0	829.0	6,762.3	6,696.0	66.27	102.038	
15,300.0	8,720.0	8,250.0	8,180.4	161.4	33.3	-26.81	513.0	829.0	6,861.9	6,795.6	66.32	103.460	
15,400.0	8,720.0	8,250.0	8,180.4	163.8	33.3	-26.81	513.0	829.0	6,961.5	6,895.1	66.38	104.880	
15,500.0	8,720.0	8,250.0	8,180.4	166.2	33.3	-26.81	513.0	829.0	7,061.2	6,994.7	66.43	106.296	
15,600.0	8,720.0	8,250.0	8,180.4	168.6	33.3	-26.81	513.0	829.0	7,160.8	7,094.3	66.48	107.709	
15,700.0	8,720.0	8,250.0	8,180.4	171.0	33.3	-26.81	513.0	829.0	7,260.4	7,193.9	66.54	109.118	
15,800.0	8,720.0	8,250.0	8,180.4	173.4	33.3	-26.81	513.0	829.0	7,360.1	7,293.5	66.59	110.524	
15,900.0	8,720.0	8,250.0	8,180.4	175.8	33.3	-26.81	513.0	829.0	7,459.8	7,393.1	66.65	111.927	
16,000.0	8,720.0	8,250.0	8,180.4	178.2	33.3	-26.81	513.0	829.0	7,559.5	7,492.8	66.71	113.326	
16,100.0	8,720.0	8,250.0	8,180.4	180.6	33.3	-26.81	513.0	829.0	7,659.1	7,592.4	66.76	114.722	
16,200.0	8,720.0	8,250.0	8,180.4	183.0	33.3	-26.81	513.0	829.0	7,758.8	7,692.0	66.82	116.114	
16,300.0	8,720.0	8,250.0	8,180.4	185.5	33.3	-26.81	513.0	829.0	7,858.5	7,791.7	66.88	117.502	
16,400.0	8,720.0	8,250.0	8,180.4	187.9	33.3	-26.81	513.0	829.0	7,958.3	7,891.3	66.94	118.887	
16,500.0	8,720.0	8,250.0	8,180.4	190.3	33.3	-26.81	513.0	829.0	8,058.0	7,991.0	67.00	120.268	
16,600.0	8,720.0	8,250.0	8,180.4	192.7	33.3	-26.81	513.0	829.0	8,157.7	8,090.6	67.06	121.645	
16,700.0	8,720.0	8,250.0	8,180.4	195.1	33.3	-26.81	513.0	829.0	8,257.4	8,190.3	67.12	123.019	
16,800.0	8,720.0	8,250.0	8,180.4	197.5	33.3	-26.81	513.0	829.0	8,357.2	8,290.0	67.19	124.389	
16,900.0	8,720.0	8,250.0	8,180.4	200.0	33.3	-26.81	513.0	829.0	8,456.9	8,389.7	67.25	125.755	
17,000.0	8,720.0	8,250.0	8,180.4	202.4	33.3	-26.81	513.0	829.0	8,556.7	8,489.3	67.31	127.117	
17,100.0	8,720.0	8,250.0	8,180.4	204.8	33.3	-26.81	513.0	829.0	8,656.4	8,589.0	67.38	128.475	
17,200.0	8,720.0	8,250.0	8,180.4	207.2	33.3	-26.81	513.0	829.0	8,756.2	8,688.7	67.44	129.830	
17,300.0	8,720.0	8,250.0	8,180.4	209.6	33.3	-26.81	513.0	829.0	8,855.9	8,788.4	67.51	131.180	
17,400.0	8,720.0	8,250.0	8,180.4	212.1	33.3	-26.81	513.0	829.0	8,955.7	8,888.1	67.58	132.527	
17,500.0	8,720.0	8,250.0	8,180.4	214.5	33.3	-26.81	513.0	829.0	9,055.5	8,987.8	67.64	133.869	
17,600.0	8,720.0	8,250.0	8,180.4	216.9	33.3	-26.81	513.0	829.0	9,155.3	9,087.6	67.71	135.208	
17,700.0	8,720.0	8,250.0	8,180.4	219.3	33.3	-26.81	513.0	829.0	9,255.1	9,187.3	67.78	136.542	
17,800.0	8,720.0	8,250.0	8,180.4	221.8	33.3	-26.81	513.0	829.0	9,354.9	9,287.0	67.85	137.873	
17,900.0	8,720.0	8,250.0	8,180.4	224.2	33.3	-26.81	513.0	829.0	9,454.6	9,386.7	67.92	139.199	
18,000.0	8,720.0	8,250.0	8,180.4	226.6	33.3	-26.81	513.0	829.0	9,554.4	9,486.5	67.99	140.521	
18,100.0	8,720.0	8,250.0	8,180.4	229.1	33.3	-26.81	513.0	829.0	9,654.3	9,586.2	68.06	141.839	
18,200.0	8,720.0	8,250.0	8,180.4	231.5	33.3	-26.81	513.0	829.0	9,754.1	9,685.9	68.14	143.153	
18,300.0	8,720.0	8,250.0	8,180.4	233.9	33.3	-26.81	513.0	829.0	9,853.9	9,785.7	68.21	144.463	
18,400.0	8,720.0	8,250.0	8,180.4	236.3	33.3	-26.81	513.0	829.0	9,953.7	9,885.4	68.28	145.768	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #113H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 224-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	52.08	458.4	588.4	745.9				
100.0	100.0	96.1	96.1	0.1	0.2	52.03	459.0	588.1	746.0	745.7	0.28	2,661.386	
200.0	200.0	194.2	194.2	0.5	0.3	51.88	460.8	587.2	746.4	745.6	0.79	940.731	
300.0	300.0	296.2	296.1	0.8	0.6	51.63	463.6	585.5	746.9	745.4	1.46	511.440	
400.0	400.0	399.2	399.0	1.2	1.0	-159.24	466.4	583.4	747.7	745.5	2.18	343.624	
424.5	424.5	425.0	424.9	1.3	1.1	-159.32	467.0	582.8	748.1	745.8	2.35	318.056	
500.0	500.0	507.1	506.9	1.5	1.4	-159.56	468.6	580.7	749.1	746.2	2.91	257.845	
600.0	599.9	602.7	602.5	1.9	1.7	-159.78	469.7	578.6	750.1	746.5	3.59	209.164	
700.0	699.9	695.1	694.8	2.2	2.0	-159.85	469.8	578.4	752.1	747.8	4.25	176.886	
800.0	799.9	784.7	784.5	2.6	2.3	-159.78	469.1	580.1	755.1	750.2	4.91	153.771	
900.0	899.9	859.6	859.3	2.9	2.6	-159.65	469.0	583.5	760.5	755.0	5.52	137.780	
1,000.0	999.9	934.1	933.6	3.3	2.8	-159.48	469.9	589.2	769.3	763.2	6.12	125.598	
1,100.0	1,099.8	1,015.9	1,014.9	3.7	3.1	-159.24	471.9	597.7	781.0	774.2	6.76	115.557	
1,200.0	1,199.8	1,101.1	1,099.4	4.0	3.4	-158.94	474.3	608.4	794.5	787.1	7.40	107.325	
1,300.0	1,299.8	1,193.6	1,190.9	4.4	3.8	-158.57	477.1	621.5	809.5	801.4	8.08	100.198	
1,400.0	1,399.8	1,294.0	1,290.3	4.7	4.2	-158.18	480.2	635.7	824.6	815.9	8.79	93.815	
1,475.7	1,475.5	1,366.7	1,362.2	5.0	4.5	-157.92	482.5	645.9	836.1	826.7	9.32	89.707	
1,500.0	1,499.7	1,388.8	1,384.0	5.1	4.6	-157.85	483.3	649.0	839.8	830.3	9.48	88.543	
1,600.3	1,600.0	1,480.1	1,474.3	5.4	4.9	53.00	486.9	662.3	854.6	844.5	10.15	84.184	
1,700.0	1,699.7	1,573.5	1,566.5	5.8	5.3	10.99	491.2	676.4	868.6	857.8	10.82	80.291	
1,800.0	1,799.7	1,669.3	1,661.1	6.1	5.7	11.30	496.3	690.9	881.3	869.8	11.50	76.646	
1,900.0	1,899.6	1,763.5	1,754.0	6.4	6.1	11.58	501.9	705.1	892.9	880.7	12.17	73.340	
2,000.0	1,999.4	1,856.4	1,845.6	6.8	6.5	11.84	508.2	719.4	903.4	890.5	12.84	70.329	
2,100.0	2,099.1	1,958.4	1,946.1	7.1	6.9	12.15	515.4	735.4	912.6	899.1	13.57	67.266	
2,200.0	2,198.6	2,066.3	2,052.5	7.5	7.4	12.54	522.0	752.0	919.4	905.1	14.32	64.186	
2,300.0	2,298.0	2,159.8	2,144.7	7.8	7.8	12.93	527.0	766.6	924.4	909.4	15.01	61.589	
2,400.0	2,397.1	2,251.2	2,234.7	8.2	8.2	13.36	532.2	781.7	928.5	912.9	15.68	59.213	
2,500.0	2,496.0	2,343.1	2,325.1	8.5	8.6	13.81	537.8	797.5	931.9	915.6	16.36	56.964	
2,600.0	2,594.7	2,435.3	2,415.6	8.9	9.0	14.25	544.2	813.7	934.5	917.5	17.04	54.839	
2,697.6	2,690.7	2,536.5	2,515.0	9.3	9.5	14.69	552.4	831.2	935.8	918.0	17.77	52.651	
2,700.0	2,693.0	2,539.1	2,517.5	9.3	9.5	14.70	552.6	831.6	935.8	918.0	17.79	52.597	
2,800.0	2,791.2	2,646.6	2,623.3	9.7	10.0	15.01	563.4	847.9	935.5	916.9	18.57	50.390	
2,900.0	2,889.3	2,753.3	2,728.3	10.1	10.4	15.24	574.6	862.6	934.4	915.0	19.33	48.331	
3,000.0	2,987.5	2,855.0	2,828.5	10.5	10.9	15.48	584.9	876.4	932.9	912.8	20.07	46.475	
3,100.0	3,085.7	2,960.9	2,932.9	10.9	11.3	15.73	595.3	890.5	931.1	910.2	20.84	44.679	
3,200.0	3,183.8	3,067.3	3,038.0	11.3	11.8	15.97	605.6	904.0	928.6	906.9	21.61	42.971	
3,300.0	3,282.0	3,165.4	3,134.8	11.7	12.2	16.20	614.9	916.3	925.8	903.5	22.34	41.451	
3,400.0	3,380.2	3,264.9	3,233.1	12.1	12.6	16.46	624.0	929.1	923.3	900.2	23.07	40.016	
3,500.0	3,478.4	3,368.2	3,335.2	12.6	13.1	16.75	633.2	942.3	920.5	896.7	23.83	38.626	
3,600.0	3,576.5	3,469.0	3,434.8	13.0	13.5	17.03	641.9	954.9	917.4	892.9	24.58	37.327	
3,700.0	3,674.7	3,564.9	3,529.5	13.4	13.9	17.30	650.4	967.1	914.7	889.4	25.30	36.150	
3,800.0	3,772.9	3,661.0	3,624.4	13.8	14.3	17.57	659.1	979.7	912.3	886.3	26.03	35.052	
3,900.0	3,871.1	3,757.5	3,719.6	14.3	14.7	17.85	667.9	992.7	910.4	883.6	26.76	34.023	
4,000.0	3,969.2	3,851.5	3,812.4	14.7	15.2	18.15	676.4	1,005.9	908.9	881.4	27.48	33.079	
4,090.8	4,058.4	3,932.8	3,892.3	15.1	15.5	18.45	683.4	1,018.3	908.4	880.3	28.11	32.320	
4,100.0	4,067.4	3,941.0	3,900.4	15.1	15.6	18.48	684.1	1,019.6	908.4	880.2	28.17	32.247	
4,200.0	4,165.6	4,034.3	3,992.1	15.6	16.0	18.89	691.8	1,035.3	909.1	880.2	28.89	31.470	
4,300.0	4,263.7	4,142.0	4,097.9	16.0	16.5	19.38	700.4	1,053.2	909.5	879.8	29.70	30.628	
4,400.0	4,361.9	4,249.4	4,203.6	16.5	17.0	19.85	708.7	1,070.2	909.2	878.7	30.50	29.808	
4,500.0	4,460.1	4,356.2	4,309.0	16.9	17.4	20.30	717.0	1,086.1	908.1	876.8	31.30	29.010	
4,600.0	4,558.3	4,457.6	4,409.0	17.4	17.9	20.69	725.0	1,100.5	906.5	874.4	32.07	28.264	
4,700.0	4,656.4	4,556.1	4,506.1	17.8	18.3	21.04	733.2	1,114.3	905.0	872.2	32.83	27.569	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #113H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 224-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	4,657.4	4,606.1	18.2	18.8	21.39	742.0	1,128.5	903.6	870.0	33.60	26.893	
4,900.0	4,852.8	4,760.0	4,707.3	18.7	19.2	21.72	750.9	1,142.4	901.9	867.5	34.38	26.235	
5,000.0	4,950.9	4,865.7	4,811.7	19.1	19.7	22.06	760.1	1,156.4	899.8	864.6	35.17	25.583	
5,100.0	5,049.1	4,972.4	4,917.2	19.6	20.1	22.40	769.2	1,169.6	897.0	861.0	35.97	24.938	
5,200.0	5,147.3	5,085.7	5,029.3	20.0	20.6	22.74	778.4	1,182.5	893.1	856.3	36.79	24.274	
5,300.0	5,245.5	5,197.1	5,139.9	20.5	21.0	23.08	787.0	1,193.6	887.8	850.2	37.60	23.610	
5,400.0	5,343.6	5,305.6	5,247.7	20.9	21.5	23.41	794.7	1,203.4	881.3	843.0	38.39	22.957	
5,500.0	5,441.8	5,412.2	5,353.6	21.4	21.9	23.75	801.8	1,212.1	874.0	834.9	39.17	22.313	
5,600.0	5,540.0	5,517.4	5,458.4	21.8	22.3	24.11	808.4	1,220.2	866.1	826.1	39.95	21.681	
5,700.0	5,638.1	5,608.2	5,548.7	22.3	22.6	24.44	813.8	1,227.2	858.1	817.5	40.69	21.092	
5,800.0	5,736.3	5,695.4	5,635.4	22.8	23.0	24.82	818.7	1,235.5	851.7	810.2	41.41	20.564	
5,900.0	5,834.5	5,793.4	5,732.7	23.2	23.4	25.29	824.1	1,245.9	846.3	804.1	42.18	20.063	
6,000.0	5,932.7	5,898.0	5,836.5	23.7	23.8	25.81	829.6	1,256.6	840.5	797.5	42.97	19.558	
6,100.0	6,030.8	6,017.6	5,955.6	24.1	24.3	26.42	835.1	1,267.5	833.5	789.7	43.80	19.028	
6,200.0	6,129.0	6,140.2	6,077.8	24.6	24.7	27.15	838.4	1,275.9	823.8	779.2	44.61	18.465	
6,300.0	6,227.2	6,255.0	6,192.5	25.0	25.1	27.92	839.6	1,281.7	811.9	766.5	45.38	17.891	
6,400.0	6,325.3	6,362.2	6,299.6	25.5	25.5	28.72	839.5	1,285.6	798.4	752.3	46.15	17.301	
6,500.0	6,423.5	6,465.4	6,402.8	25.9	25.8	29.52	839.1	1,288.6	784.4	737.5	46.91	16.719	
6,600.0	6,521.7	6,569.2	6,506.5	26.4	26.1	30.34	838.6	1,291.0	769.8	722.2	47.68	16.146	
6,700.0	6,619.9	6,672.8	6,610.1	26.9	26.4	31.18	838.1	1,292.7	754.8	706.3	48.45	15.579	
6,800.0	6,718.0	7,830.0	7,409.0	27.3	29.2	-51.76	841.6	656.7	727.5	709.1	18.37	39.609	
6,900.0	6,816.2	7,826.0	7,408.6	27.8	29.1	-49.66	841.5	660.7	628.8	609.5	19.29	32.593	
7,000.0	6,914.4	7,822.5	7,408.3	28.2	29.1	-47.85	841.5	664.2	530.6	510.0	20.58	25.783	
7,100.0	7,012.5	7,819.5	7,408.0	28.7	29.1	-46.27	841.4	667.2	433.2	410.7	22.50	19.258	
7,200.0	7,110.7	7,816.8	7,407.7	29.1	29.1	-44.88	841.4	669.8	337.4	311.8	25.60	13.176	
7,300.0	7,208.9	7,814.5	7,407.4	29.6	29.0	-43.66	841.3	672.1	244.8	213.6	31.22	7.839	
7,400.0	7,307.1	7,812.5	7,407.2	30.1	29.0	-42.57	841.3	674.2	161.3	118.9	42.37	3.807	
7,500.0	7,405.2	7,810.6	7,407.0	30.5	29.0	-41.60	841.2	676.0	110.0	52.7	57.32	1.919	
7,514.9	7,419.9	7,810.4	7,407.0	30.6	29.0	-41.46	841.2	676.2	108.4	50.6	57.76	1.876 SF	
7,519.5	7,424.3	7,810.3	7,407.0	30.6	29.0	-41.42	841.2	676.3	108.3	50.6	57.69	1.877 CC, ES	
7,600.0	7,503.6	7,809.6	7,406.9	31.0	29.0	-41.34	841.2	677.0	135.4	89.6	45.81	2.956	
7,700.0	7,602.4	7,810.2	7,407.0	31.4	29.0	-42.95	841.2	676.4	212.1	180.8	31.29	6.779	
7,800.0	7,701.5	7,812.3	7,407.2	31.8	29.0	-46.53	841.3	674.3	303.4	278.6	24.83	12.217	
7,900.0	7,801.0	7,815.7	7,407.6	32.2	29.1	-52.41	841.3	670.9	399.3	377.3	21.98	18.166	
8,000.0	7,900.7	7,820.2	7,408.0	32.6	29.1	-61.00	841.4	666.5	497.1	476.4	20.65	24.073	
8,100.0	8,000.5	7,825.7	7,408.6	32.9	29.1	-72.59	841.5	661.0	595.8	575.7	20.03	29.747	
8,200.0	8,100.5	7,832.1	7,409.2	33.2	29.2	-86.65	841.7	654.7	694.8	675.1	19.77	35.145	
8,246.5	8,147.0	7,835.3	7,409.6	33.4	29.2	-51.25	841.7	651.4	741.0	721.3	19.73	37.561	
8,250.0	8,150.5	7,835.6	7,409.6	33.4	29.2	36.53	841.7	651.2	744.4	724.7	19.73	37.740	
8,300.0	8,200.4	7,840.8	7,410.1	33.5	29.2	20.89	841.8	645.9	793.8	774.1	19.71	40.264	
8,350.0	8,249.9	7,848.0	7,410.8	33.6	29.3	14.12	841.9	638.8	842.3	822.6	19.72	42.713	
8,400.0	8,298.7	7,860.8	7,411.9	33.7	29.4	10.38	842.1	626.1	889.8	870.0	19.78	44.997	
8,450.0	8,346.2	7,875.2	7,413.1	33.8	29.5	8.13	842.2	611.7	935.9	916.0	19.84	47.160	
8,500.0	8,392.3	7,892.2	7,414.4	33.9	29.7	6.64	842.3	594.8	980.2	960.3	19.94	49.166	
8,550.0	8,436.5	7,911.5	7,415.7	33.9	29.8	5.58	842.2	575.5	1,022.6	1,002.5	20.05	50.996	
8,600.0	8,478.5	7,933.0	7,417.1	34.0	30.0	4.79	841.9	554.1	1,062.7	1,042.5	20.19	52.633	
8,650.0	8,518.0	7,943.0	7,417.6	34.0	30.1	4.26	841.8	544.1	1,100.5	1,080.2	20.36	54.066	
8,700.0	8,554.6	7,970.9	7,418.8	34.0	30.4	3.76	841.3	516.2	1,135.7	1,115.1	20.57	55.210	
8,750.0	8,588.1	7,990.1	7,419.2	34.0	30.6	3.42	841.1	497.0	1,168.3	1,147.5	20.84	56.061	
8,800.0	8,618.3	8,010.1	7,419.4	33.9	30.8	3.15	841.0	477.0	1,198.2	1,177.0	21.17	56.600	
8,850.0	8,644.9	8,039.0	7,419.0	33.9	31.1	2.92	841.0	448.1	1,225.2	1,203.7	21.52	56.944	
8,900.0	8,667.7	8,059.9	7,418.4	33.9	31.3	2.76	841.1	427.2	1,249.1	1,227.2	21.97	56.856	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #113H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 224-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,950.0	8,686.6	8,094.8	7,417.1	33.9	31.7	2.62	841.4	392.3	1,269.6	1,247.2	22.39	56.704	
9,000.0	8,701.3	8,130.8	7,415.6	33.9	32.1	2.52	841.9	356.4	1,286.4	1,263.5	22.84	56.309	
9,050.0	8,711.8	8,169.0	7,413.6	33.9	32.6	2.46	842.4	318.2	1,299.4	1,276.1	23.33	55.699	
9,100.0	8,718.1	8,208.0	7,411.3	33.9	33.1	2.41	842.9	279.3	1,308.6	1,284.8	23.84	54.892	
9,146.5	8,720.0	8,281.0	7,407.0	33.9	34.1	2.40	843.9	206.4	1,313.4	1,289.3	24.08	54.545	
9,200.0	8,720.0	8,371.0	7,404.7	34.1	35.4	2.43	845.5	116.5	1,314.6	1,290.1	24.44	53.796	
9,300.0	8,720.0	8,462.6	7,403.5	34.5	36.8	2.46	846.8	24.9	1,316.0	1,290.5	25.49	51.625	
9,400.0	8,720.0	8,549.9	7,400.7	35.2	38.3	2.49	848.4	-62.3	1,319.1	1,292.5	26.62	49.548	
9,500.0	8,720.0	8,669.9	7,398.2	36.2	40.3	2.51	849.9	-182.3	1,321.2	1,293.5	27.67	47.743	
9,600.0	8,720.0	8,765.6	7,396.6	37.3	42.1	2.49	850.1	-278.0	1,322.9	1,294.0	28.84	45.874	
9,700.0	8,720.0	8,858.3	7,394.5	38.6	43.8	2.44	849.9	-370.7	1,325.1	1,295.1	30.04	44.110	
9,800.0	8,720.0	8,931.7	7,392.2	39.9	45.2	2.38	849.2	-444.1	1,328.3	1,296.9	31.35	42.366	
9,900.0	8,720.0	8,994.0	7,388.3	41.4	46.4	2.35	849.0	-506.2	1,334.4	1,301.6	32.78	40.706	
10,000.0	8,720.0	9,153.3	7,382.0	43.0	49.5	2.28	849.0	-665.4	1,337.6	1,303.9	33.76	39.617	
10,100.0	8,720.0	9,292.9	7,379.2	44.6	52.4	2.23	849.0	-804.9	1,339.8	1,304.8	34.96	38.326	
10,200.0	8,720.0	9,430.8	7,380.1	46.3	55.3	2.22	849.6	-942.8	1,339.4	1,303.1	36.25	36.948	
10,300.0	8,720.0	9,552.2	7,385.4	48.1	57.8	2.16	849.0	-1,064.1	1,334.9	1,297.3	37.58	35.521	
10,400.0	8,720.0	9,612.3	7,387.3	50.0	59.1	2.08	847.7	-1,124.2	1,331.7	1,292.7	38.94	34.199	
10,444.0	8,720.0	9,636.1	7,387.5	50.8	59.6	2.05	846.9	-1,148.0	1,331.3	1,291.8	39.56	33.654	
10,500.0	8,720.0	9,661.0	7,387.2	51.8	60.2	2.00	846.0	-1,172.8	1,331.9	1,291.5	40.38	32.984	
10,600.0	8,720.0	9,736.7	7,385.0	53.8	61.8	1.89	844.2	-1,248.4	1,334.9	1,293.1	41.80	31.938	
10,700.0	8,720.0	9,805.1	7,381.3	55.8	63.3	1.88	844.6	-1,316.7	1,340.2	1,296.9	43.29	30.961	
10,800.0	8,720.0	9,957.4	7,372.4	57.8	66.7	2.09	851.0	-1,468.6	1,346.9	1,302.3	44.65	30.170	
10,900.0	8,720.0	10,088.3	7,371.7	59.8	69.6	2.29	856.8	-1,599.4	1,347.4	1,301.3	46.12	29.217	
11,000.0	8,720.0	10,172.0	7,370.9	61.9	71.5	2.38	859.6	-1,683.0	1,348.4	1,300.8	47.63	28.310	
11,100.0	8,720.0	10,272.4	7,369.2	64.0	73.7	2.44	861.7	-1,783.4	1,350.2	1,301.1	49.11	27.494	
11,200.0	8,720.0	10,404.7	7,368.4	66.1	76.7	2.39	861.6	-1,915.7	1,350.7	1,300.2	50.50	26.748	
11,272.7	8,720.0	10,465.6	7,368.9	67.7	78.1	2.31	860.3	-1,976.6	1,350.2	1,298.6	51.55	26.193	
11,300.0	8,720.0	10,484.5	7,368.8	68.2	78.6	2.29	859.9	-1,995.5	1,350.3	1,298.3	51.95	25.992	
11,400.0	8,720.0	10,551.0	7,367.5	70.4	80.1	2.20	858.3	-2,061.9	1,352.1	1,298.7	53.43	25.306	
11,500.0	8,720.0	10,616.0	7,364.5	72.6	81.6	2.13	857.3	-2,126.9	1,356.5	1,301.6	54.93	24.697	
11,600.0	8,720.0	10,721.8	7,358.5	74.8	84.0	2.09	857.4	-2,232.5	1,362.3	1,305.9	56.37	24.166	
11,700.0	8,720.0	10,854.6	7,353.8	77.0	87.1	2.06	857.7	-2,365.2	1,365.6	1,307.8	57.79	23.628	
11,800.0	8,720.0	10,940.3	7,351.0	79.2	89.0	1.99	857.0	-2,450.9	1,368.8	1,309.5	59.27	23.093	
11,900.0	8,720.0	11,058.5	7,346.0	81.5	91.8	1.90	855.9	-2,568.9	1,373.1	1,312.4	60.70	22.621	
12,000.0	8,720.0	11,170.9	7,344.5	83.7	94.4	2.05	860.2	-2,681.2	1,374.5	1,312.3	62.26	22.077	
12,100.0	8,720.0	11,267.2	7,342.8	86.0	96.7	2.10	862.5	-2,777.5	1,376.3	1,312.5	63.80	21.573	
12,200.0	8,720.0	11,352.1	7,340.8	88.3	98.6	2.12	863.6	-2,862.4	1,378.7	1,313.4	65.33	21.103	
12,300.0	8,720.0	11,476.4	7,337.6	90.5	101.6	2.12	864.6	-2,986.6	1,381.4	1,314.6	66.82	20.673	
12,400.0	8,720.0	11,622.5	7,338.5	92.8	105.0	2.04	863.8	-3,132.7	1,380.6	1,312.4	68.25	20.229	
12,500.0	8,720.0	11,702.6	7,340.0	95.1	106.9	1.91	861.2	-3,212.7	1,378.7	1,309.0	69.72	19.775	
12,521.4	8,720.0	11,715.0	7,340.1	95.6	107.2	1.89	860.9	-3,225.1	1,378.7	1,308.6	70.05	19.681	
12,600.0	8,720.0	11,766.9	7,339.4	97.4	108.4	1.87	860.8	-3,277.0	1,379.6	1,308.3	71.25	19.362	
12,700.0	8,720.0	11,906.0	7,339.5	99.8	111.7	1.86	861.7	-3,416.1	1,379.3	1,306.5	72.74	18.962	
12,800.0	8,720.0	12,018.4	7,340.7	102.1	114.3	1.81	861.2	-3,528.5	1,378.2	1,304.0	74.22	18.568	
12,900.0	8,720.0	12,100.0	7,341.9	104.4	116.3	1.84	862.5	-3,610.1	1,376.8	1,301.0	75.79	18.167	
12,922.5	8,720.0	12,116.4	7,341.9	104.9	116.7	1.86	863.0	-3,626.5	1,376.8	1,300.6	76.15	18.080	
13,000.0	8,720.0	12,182.3	7,341.6	106.7	118.2	1.95	865.7	-3,692.4	1,377.2	1,299.8	77.39	17.795	
13,100.0	8,720.0	12,272.0	7,340.7	109.1	120.4	2.08	869.6	-3,782.0	1,378.4	1,299.4	79.01	17.446	
13,200.0	8,720.0	12,358.1	7,339.0	111.4	122.4	2.17	872.4	-3,867.9	1,380.4	1,299.8	80.60	17.126	
13,300.0	8,720.0	12,439.5	7,336.4	113.8	124.4	2.25	875.1	-3,949.2	1,383.7	1,301.5	82.19	16.835	
13,400.0	8,720.0	12,520.3	7,332.7	116.1	126.3	2.32	877.8	-4,029.9	1,388.3	1,304.6	83.77	16.574	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #113H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 224-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,500.0	8,720.0	12,695.0	7,325.5	118.5	130.4	2.36	880.2	-4,204.4	1,393.7	1,308.3	85.32	16.335	
13,512.9	8,720.0	12,707.2	7,325.5	118.8	130.7	2.35	880.2	-4,216.7	1,393.6	1,308.1	85.52	16.297	
13,600.0	8,720.0	12,768.7	7,324.9	120.8	132.2	2.36	880.8	-4,278.2	1,394.4	1,307.6	86.88	16.050	
13,700.0	8,720.0	12,836.9	7,323.0	123.2	133.8	2.38	882.0	-4,346.2	1,397.4	1,309.0	88.43	15.801	
13,800.0	8,720.0	12,927.0	7,318.4	125.6	136.0	2.45	884.6	-4,436.2	1,402.5	1,312.4	90.02	15.579	
13,900.0	8,720.0	13,127.8	7,317.1	127.9	140.8	2.67	891.6	-4,636.9	1,402.8	1,311.1	91.69	15.299	
14,000.0	8,720.0	13,232.0	7,319.7	130.3	143.3	2.72	893.4	-4,741.0	1,400.3	1,307.1	93.28	15.013	
14,100.0	8,720.0	13,342.9	7,323.0	132.7	146.0	2.69	893.4	-4,851.8	1,397.3	1,302.5	94.78	14.742	
14,200.0	8,720.0	13,425.8	7,325.4	135.1	147.9	2.60	891.8	-4,934.7	1,394.3	1,298.0	96.30	14.479	
14,300.0	8,720.0	13,517.5	7,326.8	137.4	150.1	2.46	888.9	-5,026.4	1,392.6	1,294.8	97.76	14.246	
14,400.0	8,720.0	13,610.2	7,328.1	139.8	152.4	2.39	888.0	-5,119.0	1,391.2	1,291.9	99.27	14.014	
14,472.8	8,720.0	13,667.8	7,328.5	141.6	153.7	2.35	887.4	-5,176.6	1,390.7	1,290.3	100.39	13.853	
14,500.0	8,720.0	13,686.0	7,328.4	142.2	154.2	2.34	887.3	-5,194.8	1,390.7	1,289.9	100.81	13.796	
14,600.0	8,720.0	13,755.3	7,327.1	144.6	155.8	2.32	887.3	-5,264.1	1,392.6	1,290.2	102.34	13.607	
14,700.0	8,720.0	13,837.0	7,324.1	147.0	157.8	2.28	887.1	-5,345.7	1,396.1	1,292.3	103.85	13.444	
14,800.0	8,720.0	13,914.4	7,320.2	149.4	159.7	2.24	887.0	-5,423.1	1,401.1	1,295.8	105.33	13.302	
14,900.0	8,720.0	14,069.6	7,317.1	151.8	163.4	2.12	885.2	-5,578.1	1,402.1	1,295.2	106.85	13.122	
15,000.0	8,720.0	14,122.0	7,314.9	154.2	164.7	2.11	885.6	-5,630.5	1,406.0	1,297.6	108.35	12.976	
15,100.0	8,720.0	14,211.2	7,309.3	156.6	166.8	2.14	887.0	-5,719.5	1,412.1	1,302.2	109.89	12.850	
15,200.0	8,720.0	14,352.5	7,303.8	159.0	170.2	2.20	889.9	-5,860.7	1,415.9	1,304.3	111.57	12.691	
15,300.0	8,720.0	14,448.9	7,300.6	161.4	172.5	2.25	892.1	-5,957.0	1,419.2	1,306.1	113.16	12.541	
15,400.0	8,720.0	14,637.4	7,299.8	163.8	177.1	2.28	894.4	-6,145.4	1,419.9	1,305.2	114.70	12.379	
15,500.0	8,720.0	14,733.2	7,302.8	166.2	179.4	2.31	895.5	-6,241.1	1,416.8	1,300.5	116.29	12.183	
15,600.0	8,720.0	14,806.5	7,304.1	168.6	181.2	2.33	896.6	-6,314.4	1,415.0	1,297.1	117.92	12.000	
15,629.9	8,720.0	14,825.7	7,304.2	169.3	181.6	2.34	897.0	-6,333.7	1,414.9	1,296.5	118.40	11.950	
15,700.0	8,720.0	14,870.8	7,303.8	171.0	182.7	2.37	898.1	-6,378.7	1,415.5	1,296.0	119.53	11.843	
15,800.0	8,720.0	14,960.4	7,301.8	173.4	184.9	2.45	900.9	-6,468.2	1,417.9	1,296.7	121.16	11.703	
15,900.0	8,720.0	15,061.6	7,299.4	175.8	187.3	2.55	904.2	-6,569.4	1,420.4	1,297.6	122.81	11.565	
16,000.0	8,720.0	15,166.5	7,297.2	178.2	189.9	2.66	908.0	-6,674.1	1,422.6	1,298.1	124.50	11.427	
16,100.0	8,720.0	15,272.6	7,295.3	180.6	192.4	2.77	911.4	-6,780.2	1,424.5	1,298.3	126.17	11.290	
16,200.0	8,720.0	15,375.5	7,293.8	183.0	194.9	2.83	913.7	-6,883.0	1,426.0	1,298.2	127.81	11.158	
16,300.0	8,720.0	15,474.8	7,292.4	185.5	197.3	2.85	915.1	-6,982.4	1,427.5	1,298.1	129.40	11.032	
16,400.0	8,720.0	15,568.7	7,290.8	187.9	199.6	2.85	916.0	-7,076.2	1,429.2	1,298.2	130.97	10.913	
16,500.0	8,720.0	15,670.7	7,288.8	190.3	202.1	2.83	916.5	-7,178.2	1,431.1	1,298.6	132.53	10.799	
16,600.0	8,720.0	15,775.8	7,287.2	192.7	204.6	2.78	915.9	-7,283.3	1,432.6	1,298.6	134.04	10.688	
16,700.0	8,720.0	15,869.4	7,285.6	195.1	206.9	2.72	915.2	-7,376.9	1,434.2	1,298.7	135.54	10.582	
16,800.0	8,720.0	15,959.6	7,283.6	197.5	209.1	2.65	914.4	-7,467.0	1,436.4	1,299.4	137.02	10.483	
16,900.0	8,720.0	16,049.2	7,280.8	200.0	211.2	2.58	913.3	-7,556.6	1,439.3	1,300.9	138.49	10.393	
17,000.0	8,720.0	16,146.3	7,277.4	202.4	213.6	2.47	911.6	-7,653.6	1,442.8	1,302.8	139.94	10.310	
17,100.0	8,720.0	16,250.1	7,273.8	204.8	216.1	2.32	908.8	-7,757.3	1,446.1	1,304.7	141.36	10.229	
17,200.0	8,720.0	16,346.9	7,270.5	207.2	218.4	2.17	905.8	-7,854.0	1,449.4	1,306.6	142.77	10.152	
17,300.0	8,720.0	16,456.1	7,266.6	209.6	221.1	1.99	902.2	-7,963.1	1,452.8	1,308.6	144.18	10.077	
17,400.0	8,720.0	16,572.3	7,264.3	212.1	223.9	1.96	902.3	-8,079.3	1,454.7	1,308.9	145.73	9.982	
17,500.0	8,720.0	16,648.9	7,262.7	214.5	225.7	1.96	903.1	-8,155.9	1,456.9	1,309.6	147.27	9.893	
17,600.0	8,720.0	16,718.4	7,259.6	216.9	227.4	1.98	904.1	-8,225.3	1,461.3	1,312.6	148.75	9.824	
17,700.0	8,720.0	16,858.1	7,252.5	219.3	230.8	2.00	905.9	-8,364.8	1,466.8	1,316.4	150.44	9.750	
17,800.0	8,720.0	16,970.8	7,251.0	221.8	233.5	1.98	906.4	-8,477.4	1,468.1	1,316.1	152.01	9.658	
17,900.0	8,720.0	17,065.0	7,249.0	224.2	235.8	1.94	906.2	-8,571.7	1,470.2	1,316.7	153.53	9.576	
18,000.0	8,720.0	17,202.3	7,247.5	226.6	239.1	1.93	907.1	-8,708.9	1,471.3	1,316.2	155.11	9.486	
18,100.0	8,720.0	17,314.4	7,248.8	229.1	241.9	1.96	908.6	-8,820.9	1,470.1	1,313.4	156.69	9.382	
18,200.0	8,720.0	17,404.6	7,249.4	231.5	244.1	1.98	909.7	-8,911.2	1,469.5	1,311.2	158.29	9.284	
18,300.0	8,720.0	17,509.6	7,250.2	233.9	246.6	2.01	911.4	-9,016.2	1,468.7	1,308.8	159.88	9.186	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #113H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 224-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,387.2	8,720.0	17,584.4	7,250.8	236.0	248.4	2.03	912.3	-9,091.0	1,468.1	1,306.8	161.28	9.103	
18,400.0	8,720.0	17,592.6	7,250.7	236.3	248.6	2.03	912.5	-9,099.1	1,468.1	1,306.7	161.48	9.092	
18,500.0	8,720.0	17,658.0	7,249.7	238.8	250.2	2.05	913.5	-9,164.5	1,469.7	1,306.6	163.04	9.015	
18,600.0	8,720.0	17,824.8	7,250.4	241.2	254.3	1.99	913.2	-9,331.3	1,468.7	1,304.2	164.54	8.927	
18,700.0	8,720.0	17,901.8	7,251.4	243.6	256.1	1.95	912.9	-9,408.3	1,467.4	1,301.3	166.10	8.834	
18,714.7	8,720.0	17,911.9	7,251.4	244.0	256.4	1.95	912.9	-9,418.4	1,467.4	1,301.1	166.33	8.822	
18,800.0	8,720.0	17,974.8	7,250.8	246.1	257.9	1.94	913.1	-9,481.3	1,468.1	1,300.5	167.65	8.757	
18,900.0	8,720.0	18,077.2	7,248.7	248.5	260.4	1.95	914.2	-9,583.7	1,470.2	1,301.0	169.23	8.687	
19,000.0	8,720.0	18,218.6	7,249.4	250.9	263.8	1.95	915.2	-9,725.0	1,469.5	1,298.7	170.78	8.605	
19,100.0	8,720.0	18,338.7	7,252.2	253.4	266.8	1.92	915.4	-9,845.1	1,467.1	1,294.9	172.28	8.516	
19,171.7	8,720.0	18,369.0	7,253.1	255.1	267.5	1.91	915.3	-9,875.4	1,465.7	1,292.2	173.46	8.450	
19,176.7	8,720.0	18,369.0	7,253.1	255.2	267.5	1.91	915.3	-9,875.4	1,465.7	1,292.2	173.54	8.446	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Sidetrack - Sidetrack — **Offset Site Error:** 0.0 usft

Survey Program: 197-MWD, 9318-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-0.06	30.5	0.0	30.6				
100.0	100.0	98.1	98.1	0.1	0.2	-0.43	30.4	-0.2	30.4	30.1	0.28	108.922	
200.0	200.0	198.1	198.1	0.5	0.3	-1.61	30.0	-0.8	30.0	29.2	0.79	37.965	
300.0	300.0	298.4	298.4	0.8	0.7	-3.02	29.2	-1.5	29.3	27.7	1.51	19.338	
400.0	400.0	398.6	398.6	1.2	1.0	144.26	27.3	-3.0	28.1	25.9	2.22	12.685	
424.5	424.5	423.2	423.2	1.3	1.1	143.54	26.7	-3.6	28.0	25.6	2.39	11.717	
500.0	500.0	499.0	498.9	1.5	1.4	140.62	24.2	-5.7	27.2	24.2	2.92	9.296	
600.0	599.9	599.3	599.0	1.9	1.8	135.35	19.6	-8.7	24.8	21.1	3.64	6.816	
700.0	699.9	699.1	698.6	2.2	2.1	129.19	14.5	-11.4	22.2	17.8	4.35	5.098	
800.0	799.9	798.9	798.5	2.6	2.5	131.16	12.2	-11.6	21.5	16.4	5.05	4.251	
900.0	899.9	899.4	898.7	2.9	2.8	147.92	9.1	-6.5	19.2	13.4	5.74	3.342	
957.2	957.0	956.4	955.4	3.1	3.0	166.22	6.4	-1.3	18.3	12.2	6.13	2.987	CC, ES
1,000.0	999.9	999.0	997.8	3.3	3.2	-178.71	4.1	2.9	18.9	12.5	6.44	2.936	SF
1,100.0	1,099.8	1,098.6	1,096.7	3.7	3.5	-149.85	-2.1	12.6	23.8	16.7	7.16	3.327	
1,200.0	1,199.8	1,196.5	1,193.6	4.0	3.9	-130.11	-10.1	23.6	33.6	25.7	7.87	4.265	
1,300.0	1,299.8	1,294.2	1,290.0	4.4	4.3	-121.08	-17.0	38.6	49.6	41.0	8.55	5.792	
1,400.0	1,399.8	1,393.0	1,387.3	4.7	4.7	-116.71	-23.6	54.1	66.5	57.2	9.26	7.180	
1,475.7	1,475.5	1,468.5	1,461.7	5.0	5.0	-114.48	-28.9	65.2	78.8	69.0	9.81	8.034	
1,500.0	1,499.7	1,492.7	1,485.7	5.1	5.1	-113.87	-30.6	68.6	82.6	72.6	9.99	8.269	
1,600.3	1,600.0	1,591.5	1,583.3	5.4	5.5	98.67	-36.6	82.5	97.7	87.0	10.68	9.148	
1,700.0	1,699.7	1,691.4	1,682.1	5.8	5.9	57.66	-40.8	96.6	111.8	100.4	11.38	9.825	
1,800.0	1,799.7	1,792.4	1,782.2	6.1	6.3	59.37	-44.7	109.4	123.7	111.6	12.08	10.236	
1,900.0	1,899.6	1,894.1	1,883.2	6.4	6.7	61.50	-48.4	120.7	133.2	120.4	12.79	10.413	
2,000.0	1,999.4	1,986.8	1,975.0	6.8	7.1	64.03	-53.0	132.6	144.0	130.6	13.41	10.745	
2,100.0	2,099.1	2,084.5	2,071.5	7.1	7.5	67.37	-59.8	146.8	156.9	142.8	14.08	11.140	
2,200.0	2,198.6	2,184.5	2,170.1	7.5	7.9	71.09	-67.5	160.8	169.5	154.7	14.80	11.456	
2,300.0	2,298.0	2,283.1	2,267.5	7.8	8.3	74.88	-75.3	174.1	181.9	166.4	15.50	11.737	
2,400.0	2,397.1	2,381.1	2,364.3	8.2	8.8	78.79	-83.6	187.2	194.9	178.7	16.21	12.022	
2,500.0	2,496.0	2,479.8	2,461.8	8.5	9.2	82.52	-91.4	200.7	208.4	191.5	16.95	12.298	
2,600.0	2,594.7	2,579.6	2,560.4	8.9	9.6	86.19	-98.7	214.0	222.1	204.3	17.71	12.539	
2,697.6	2,690.7	2,677.8	2,657.6	9.3	10.0	89.80	-105.4	226.4	235.2	216.8	18.48	12.732	
2,700.0	2,693.0	2,680.2	2,660.0	9.3	10.0	89.89	-105.5	226.7	235.6	217.1	18.49	12.736	
2,800.0	2,791.2	2,780.0	2,759.0	9.7	10.4	93.51	-111.6	238.3	248.9	229.6	19.29	12.906	
2,900.0	2,889.3	2,874.8	2,852.9	10.1	10.8	96.53	-117.2	249.6	263.1	243.1	20.04	13.127	
3,000.0	2,987.5	2,969.6	2,946.5	10.5	11.2	98.75	-122.6	263.9	279.8	259.0	20.81	13.448	
3,100.0	3,085.7	3,068.7	3,044.1	10.9	11.7	100.62	-127.8	279.6	296.9	275.3	21.62	13.733	
3,200.0	3,183.8	3,168.4	3,142.5	11.3	12.1	102.33	-132.8	295.0	313.9	291.5	22.44	13.986	
3,300.0	3,282.0	3,268.7	3,241.5	11.7	12.5	103.90	-137.4	310.0	330.5	307.3	23.28	14.201	
3,400.0	3,380.2	3,368.8	3,340.5	12.1	13.0	105.40	-141.8	324.3	346.8	322.7	24.11	14.386	
3,500.0	3,478.4	3,469.1	3,439.9	12.6	13.4	106.84	-145.9	337.9	362.8	337.9	24.94	14.545	
3,600.0	3,576.5	3,571.5	3,541.3	13.0	13.8	108.29	-149.8	350.9	378.2	352.4	25.79	14.664	
3,700.0	3,674.7	3,673.4	3,642.5	13.4	14.2	109.73	-153.1	362.6	392.8	366.2	26.64	14.749	
3,800.0	3,772.9	3,773.2	3,741.7	13.8	14.6	111.12	-156.1	373.3	407.1	379.6	27.46	14.824	
3,900.0	3,871.1	3,859.1	3,826.9	14.3	15.0	112.25	-159.7	383.0	423.0	394.8	28.19	15.005	
4,000.0	3,969.2	3,955.8	3,922.8	14.7	15.4	113.39	-165.2	394.8	440.6	411.6	28.99	15.198	
4,100.0	4,067.4	4,058.7	4,024.7	15.1	15.8	114.53	-170.7	407.1	458.1	428.2	29.85	15.344	
4,200.0	4,165.6	4,158.7	4,124.0	15.6	16.2	115.63	-175.6	418.2	475.0	444.3	30.68	15.481	
4,300.0	4,263.7	4,258.4	4,223.1	16.0	16.6	116.72	-180.1	428.4	491.4	459.9	31.51	15.596	
4,400.0	4,361.9	4,346.5	4,310.5	16.5	17.0	117.52	-184.8	438.7	509.1	476.9	32.24	15.790	
4,500.0	4,460.1	4,440.2	4,403.2	16.9	17.4	118.19	-190.6	451.2	528.3	495.3	33.03	15.996	
4,600.0	4,558.3	4,539.1	4,500.9	17.4	17.8	118.80	-196.8	464.7	547.8	513.9	33.86	16.178	
4,700.0	4,656.4	4,637.2	4,597.9	17.8	18.2	119.38	-202.9	478.0	567.3	532.6	34.69	16.355	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Sidetrack - Sidetrack — **Offset Site Error:** 0.0 usft

Survey Program: 197-MWD, 9318-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	4,736.3	4,696.0	18.2	18.6	119.95	-209.0	491.3	586.7	551.2	35.52	16.517	
4,900.0	4,852.8	4,836.2	4,794.9	18.7	19.1	120.54	-215.2	504.0	605.9	569.5	36.36	16.665	
5,000.0	4,950.9	4,937.1	4,894.9	19.1	19.5	121.15	-221.1	516.1	624.7	587.5	37.20	16.794	
5,100.0	5,049.1	5,038.1	4,994.9	19.6	19.9	121.59	-226.2	529.7	643.2	605.2	38.05	16.905	
5,200.0	5,147.3	5,143.3	5,099.0	20.0	20.4	122.02	-230.8	543.7	661.1	622.2	38.93	16.982	
5,300.0	5,245.5	5,249.7	5,204.5	20.5	20.8	122.45	-234.2	557.1	677.7	637.9	39.81	17.024	
5,400.0	5,343.6	5,342.5	5,296.4	20.9	21.2	122.75	-236.7	569.5	694.1	653.5	40.60	17.095	
5,500.0	5,441.8	5,437.0	5,389.9	21.4	21.6	123.00	-240.2	582.9	711.5	670.1	41.40	17.184	
5,600.0	5,540.0	5,535.6	5,487.3	21.8	22.0	123.21	-243.7	597.3	729.0	686.8	42.24	17.259	
5,700.0	5,638.1	5,634.4	5,585.1	22.3	22.4	123.43	-247.3	611.5	746.5	703.4	43.08	17.329	
5,800.0	5,736.3	5,736.8	5,686.4	22.8	22.9	123.67	-250.9	625.8	763.8	719.9	43.94	17.382	
5,900.0	5,834.5	5,838.2	5,786.9	23.2	23.3	123.95	-254.1	639.3	780.6	735.8	44.79	17.427	
6,000.0	5,932.7	5,937.1	5,884.9	23.7	23.7	124.25	-257.1	651.9	797.2	751.6	45.62	17.474	
6,100.0	6,030.8	6,027.0	5,974.0	24.1	24.1	124.51	-260.3	663.3	814.4	768.0	46.39	17.556	
6,200.0	6,129.0	6,136.0	6,082.1	24.6	24.5	124.88	-264.3	676.4	831.4	784.2	47.28	17.584	
6,300.0	6,227.2	6,234.2	6,179.7	25.0	24.9	125.25	-267.5	687.3	848.0	799.9	48.10	17.631	
6,400.0	6,325.3	6,336.6	6,281.5	25.5	25.3	125.66	-270.7	697.9	864.3	815.4	48.93	17.663	
6,500.0	6,423.5	6,439.1	6,383.6	25.9	25.7	126.19	-273.8	706.6	880.2	830.4	49.76	17.689	
6,600.0	6,521.7	6,543.3	6,487.5	26.4	26.1	126.79	-276.7	714.0	895.7	845.1	50.58	17.708	
6,700.0	6,619.9	6,647.2	6,591.2	26.9	26.5	127.46	-279.0	720.0	910.5	859.1	51.39	17.717	
6,800.0	6,718.0	6,751.5	6,695.4	27.3	26.9	128.17	-281.1	724.7	925.0	872.8	52.19	17.723	
6,900.0	6,816.2	6,861.1	6,804.8	27.8	27.2	129.16	-282.8	725.3	938.6	885.7	52.97	17.720	
7,000.0	6,914.4	6,938.5	6,881.2	28.2	27.4	130.55	-285.8	713.9	953.1	899.6	53.50	17.814	
7,100.0	7,012.5	7,035.4	6,972.3	28.7	27.5	133.30	-292.0	681.5	969.6	915.6	53.98	17.962	
7,200.0	7,110.7	7,090.6	7,021.2	29.1	27.5	135.19	-295.9	656.4	989.1	935.0	54.17	18.259	
7,300.0	7,208.9	7,139.0	7,061.9	29.6	27.6	137.02	-300.9	630.7	1,014.6	960.4	54.16	18.734	
7,400.0	7,307.1	7,171.6	7,087.9	30.1	27.6	138.34	-304.9	611.4	1,046.1	992.3	53.82	19.437	
7,500.0	7,405.2	7,202.1	7,110.8	30.5	27.6	139.63	-309.3	591.7	1,084.0	1,030.7	53.26	20.352	
7,514.9	7,419.9	7,206.3	7,113.7	30.6	27.6	139.81	-309.9	588.9	1,090.2	1,037.0	53.16	20.508	
7,600.0	7,503.6	7,234.0	7,133.1	31.0	27.6	141.42	-314.4	569.5	1,127.3	1,074.8	52.54	21.456	
7,700.0	7,602.4	7,257.5	7,148.7	31.4	27.6	142.93	-318.5	552.5	1,174.5	1,122.9	51.60	22.762	
7,800.0	7,701.5	7,286.9	7,167.6	31.8	27.6	144.69	-323.9	530.6	1,224.9	1,174.3	50.62	24.199	
7,900.0	7,801.0	7,329.0	7,193.6	32.2	27.6	146.94	-332.2	498.5	1,278.4	1,228.6	49.73	25.703	
8,000.0	7,900.7	7,345.6	7,203.5	32.6	27.6	148.14	-335.6	485.6	1,333.9	1,285.4	48.50	27.503	
8,100.0	8,000.5	7,380.5	7,223.8	32.9	27.7	150.02	-342.9	458.2	1,391.5	1,344.0	47.50	29.298	
8,200.0	8,100.5	7,423.0	7,247.8	33.2	27.7	152.10	-352.0	424.4	1,450.7	1,404.1	46.60	31.134	
8,246.5	8,147.0	7,423.0	7,247.8	33.4	27.7	-165.33	-352.0	424.4	1,478.7	1,432.8	45.90	32.214	
8,250.0	8,150.5	7,423.0	7,247.8	33.4	27.7	-75.51	-352.0	424.4	1,480.8	1,434.9	45.85	32.297	
8,300.0	8,200.4	7,423.0	7,247.8	33.5	27.7	-71.84	-352.0	424.4	1,511.2	1,466.1	45.10	33.510	
8,350.0	8,249.9	7,450.9	7,262.8	33.6	27.7	-67.51	-358.2	401.7	1,540.9	1,496.1	44.76	34.428	
8,400.0	8,298.7	7,463.3	7,269.2	33.7	27.7	-63.90	-361.0	391.4	1,570.3	1,526.0	44.20	35.525	
8,450.0	8,346.2	7,476.2	7,275.6	33.8	27.7	-60.56	-363.9	380.6	1,598.8	1,555.2	43.67	36.610	
8,500.0	8,392.3	7,517.0	7,294.5	33.9	27.8	-57.10	-373.6	345.8	1,627.1	1,583.5	43.54	37.368	
8,550.0	8,436.5	7,517.0	7,294.5	33.9	27.8	-54.61	-373.6	345.8	1,652.9	1,610.0	42.89	38.542	
8,600.0	8,478.5	7,517.0	7,294.5	34.0	27.8	-52.31	-373.6	345.8	1,677.7	1,635.4	42.27	39.688	
8,650.0	8,518.0	7,544.1	7,306.1	34.0	27.8	-50.08	-380.0	322.2	1,700.9	1,658.9	42.07	40.432	
8,700.0	8,554.6	7,570.2	7,316.7	34.0	27.9	-48.19	-386.1	299.1	1,722.2	1,680.3	41.89	41.110	
8,750.0	8,588.1	7,611.0	7,332.3	34.0	28.0	-46.57	-395.1	262.5	1,741.4	1,699.4	41.94	41.525	
8,800.0	8,618.3	7,611.0	7,332.3	33.9	28.0	-45.29	-395.1	262.5	1,758.2	1,716.6	41.56	42.309	
8,850.0	8,644.9	7,651.8	7,346.5	33.9	28.2	-44.23	-403.6	225.1	1,772.5	1,730.8	41.73	42.473	
8,900.0	8,667.7	7,680.0	7,355.4	33.9	28.3	-43.42	-409.0	199.0	1,784.5	1,742.7	41.82	42.669	
8,950.0	8,686.6	7,709.5	7,364.0	33.9	28.4	-42.84	-414.3	171.3	1,794.0	1,752.0	41.99	42.719	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Sidetrack - Sidetrack — **Offset Site Error:** 0.0 usft

Survey Program: 197-MWD, 9318-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.0	8,701.3	7,759.2	7,377.4	33.9	28.7	-42.56	-422.3	124.1	1,800.5	1,758.1	42.47	42.398	
9,050.0	8,711.8	7,809.3	7,389.8	33.9	29.1	-42.55	-429.0	76.0	1,803.9	1,760.9	43.00	41.952	
9,100.0	8,718.1	7,802.0	7,388.0	33.9	29.0	-42.44	-428.1	83.0	1,805.0	1,761.9	43.09	41.891	
9,146.5	8,720.0	7,802.0	7,388.0	33.9	29.0	-42.49	-428.1	83.0	1,804.3	1,761.0	43.33	41.644	
9,200.0	8,720.0	7,845.9	7,396.4	34.1	29.4	-42.79	-433.2	40.3	1,801.5	1,757.5	44.05	40.895	
9,263.8	8,720.0	7,864.0	7,398.5	34.3	29.5	-42.88	-435.0	22.4	1,800.7	1,756.1	44.68	40.305	
9,300.0	8,720.0	7,897.0	7,400.5	34.5	29.8	-43.00	-438.0	-10.4	1,801.5	1,756.3	45.16	39.892	
9,400.0	8,720.0	7,914.2	7,400.7	35.2	30.0	-43.04	-439.3	-27.5	1,804.4	1,758.1	46.20	39.053	
9,500.0	8,720.0	7,992.0	7,398.1	36.2	30.7	-43.06	-441.9	-105.3	1,809.6	1,762.1	47.59	38.025	
9,600.0	8,720.0	8,067.8	7,393.4	37.3	31.6	-43.01	-443.6	-180.8	1,816.2	1,767.1	49.10	36.988	
9,700.0	8,720.0	8,194.1	7,389.9	38.6	33.2	-43.13	-451.4	-306.9	1,823.1	1,771.9	51.19	35.616	
9,800.0	8,720.0	8,289.0	7,388.7	39.9	34.5	-43.27	-457.6	-401.6	1,829.0	1,775.7	53.28	34.329	
9,900.0	8,720.0	8,369.0	7,386.8	41.4	35.7	-43.36	-462.8	-481.4	1,835.7	1,780.4	55.37	33.156	
10,000.0	8,720.0	8,420.7	7,385.1	43.0	36.5	-43.43	-467.2	-532.9	1,844.3	1,787.0	57.31	32.181	
10,100.0	8,720.0	8,645.0	7,385.9	44.6	40.3	-44.04	-491.6	-755.7	1,853.8	1,792.5	61.40	30.195	
10,200.0	8,720.0	8,765.0	7,389.4	46.3	42.5	-44.27	-498.0	-875.4	1,855.9	1,791.5	64.42	28.810	
10,300.0	8,720.0	8,827.3	7,388.2	48.1	43.6	-44.28	-499.1	-937.7	1,859.0	1,792.3	66.73	27.861	
10,400.0	8,720.0	8,899.0	7,383.9	50.0	45.0	-44.20	-499.2	-1,009.3	1,864.0	1,794.9	69.10	26.974	
10,500.0	8,720.0	9,154.3	7,385.0	51.8	50.0	-44.40	-504.9	-1,264.4	1,866.2	1,792.3	73.91	25.249	
10,600.0	8,720.0	9,346.3	7,398.1	53.8	52.9	-44.67	-503.0	-1,455.8	1,861.2	1,783.9	77.31	24.075	
10,700.0	8,720.0	9,414.0	7,405.6	55.8	53.4	-44.88	-504.5	-1,523.0	1,855.2	1,775.7	79.46	23.347	
10,800.0	8,720.0	9,453.6	7,409.3	57.8	53.7	-45.00	-506.0	-1,562.4	1,851.3	1,769.7	81.56	22.698	
10,900.0	8,720.0	9,508.0	7,413.2	59.8	54.1	-45.14	-508.2	-1,616.7	1,849.8	1,766.1	83.71	22.098	
10,924.1	8,720.0	9,526.7	7,414.1	60.3	54.3	-45.18	-509.0	-1,635.3	1,849.7	1,765.5	84.26	21.953	
11,000.0	8,720.0	9,566.1	7,415.4	61.9	54.6	-45.25	-510.6	-1,674.7	1,850.6	1,764.7	85.87	21.552	
11,100.0	8,720.0	9,621.5	7,415.4	64.0	55.1	-45.31	-512.9	-1,730.0	1,854.0	1,766.1	87.96	21.078	
11,200.0	8,720.0	9,685.1	7,413.7	66.1	55.7	-45.34	-515.6	-1,793.5	1,859.6	1,769.5	90.08	20.644	
11,300.0	8,720.0	9,766.0	7,410.2	68.2	56.5	-45.37	-519.6	-1,874.3	1,866.7	1,774.3	92.31	20.222	
11,400.0	8,720.0	9,928.0	7,406.9	70.4	58.4	-45.54	-529.6	-2,035.9	1,873.3	1,778.0	95.34	19.648	
11,500.0	8,720.0	10,036.8	7,406.7	72.6	59.7	-45.63	-533.4	-2,144.6	1,876.4	1,778.4	98.04	19.139	
11,600.0	8,720.0	10,105.4	7,404.7	74.8	60.6	-45.64	-535.3	-2,213.2	1,881.0	1,780.6	100.39	18.736	
11,700.0	8,720.0	10,186.8	7,400.6	77.0	61.7	-45.61	-537.8	-2,294.4	1,887.2	1,784.4	102.83	18.353	
11,800.0	8,720.0	10,348.3	7,392.8	79.2	64.0	-45.48	-538.0	-2,455.7	1,890.8	1,784.9	105.86	17.862	
11,900.0	8,720.0	10,432.3	7,386.2	81.5	65.2	-45.28	-534.9	-2,539.3	1,894.2	1,786.1	108.17	17.511	
12,000.0	8,720.0	10,513.4	7,379.2	83.7	66.4	-45.09	-532.5	-2,620.2	1,898.7	1,788.2	110.49	17.184	
12,100.0	8,720.0	10,620.8	7,372.5	86.0	68.1	-44.97	-532.6	-2,727.3	1,903.8	1,790.6	113.19	16.819	
12,200.0	8,720.0	10,719.8	7,365.0	88.3	69.8	-44.79	-530.6	-2,826.0	1,908.3	1,792.5	115.75	16.486	
12,300.0	8,720.0	10,792.1	7,358.6	90.5	71.0	-44.63	-528.9	-2,898.0	1,913.5	1,795.5	118.06	16.208	
12,400.0	8,720.0	10,929.1	7,345.3	92.8	73.3	-44.31	-526.0	-3,034.3	1,919.8	1,799.0	120.86	15.885	
12,500.0	8,720.0	11,032.1	7,337.3	95.1	75.1	-44.09	-523.0	-3,137.0	1,923.9	1,800.4	123.47	15.582	
12,600.0	8,720.0	11,147.8	7,331.1	97.4	77.2	-43.97	-522.6	-3,252.5	1,928.2	1,801.8	126.43	15.252	
12,700.0	8,720.0	11,287.9	7,325.6	99.8	79.8	-43.80	-518.6	-3,392.4	1,929.2	1,799.6	129.58	14.889	
12,800.0	8,720.0	11,543.2	7,332.0	102.1	84.7	-43.75	-508.3	-3,647.3	1,923.3	1,789.3	133.99	14.354	
12,900.0	8,720.0	11,608.0	7,335.0	104.4	85.9	-43.75	-504.9	-3,712.0	1,917.0	1,780.2	136.82	14.011	
13,000.0	8,720.0	11,667.0	7,335.1	106.7	87.1	-43.69	-501.5	-3,770.9	1,913.2	1,773.8	139.44	13.721	
13,100.0	8,720.0	11,746.6	7,333.7	109.1	88.7	-43.58	-497.2	-3,850.3	1,911.2	1,769.0	142.14	13.445	
13,200.0	8,720.0	13,200.0	7,334.0	111.4	118.0	-43.51	-492.6	-3,962.3	1,908.7	1,744.1	164.65	11.592	
13,300.0	8,720.0	11,918.7	7,333.5	113.8	92.1	-43.45	-490.1	-4,022.3	1,907.1	1,759.2	147.87	12.897	
13,400.0	8,720.0	13,400.0	7,331.1	116.1	122.5	-43.32	-485.8	-4,130.0	1,906.5	1,735.5	171.03	11.147	
13,484.1	8,720.0	12,095.0	7,330.4	118.1	95.8	-43.27	-483.4	-4,198.4	1,905.7	1,752.5	153.22	12.437	
13,500.0	8,720.0	12,104.0	7,330.1	118.5	95.9	-43.26	-483.1	-4,207.3	1,905.7	1,752.1	153.61	12.406	
13,600.0	8,720.0	12,224.8	7,324.8	120.8	98.5	-43.05	-477.6	-4,328.0	1,906.5	1,749.9	156.58	12.176	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Sidetrack - Sidetrack — **Offset Site Error:** 0.0 usft

Survey Program: 197-MWD, 9318-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,700.0	8,720.0	12,403.9	7,330.5	123.2	102.2	-43.08	-472.2	-4,506.8	1,901.8	1,741.1	160.70	11.834	
13,800.0	8,720.0	12,492.5	7,332.7	125.6	104.1	-43.04	-467.9	-4,595.3	1,897.2	1,733.4	163.74	11.587	
13,900.0	8,720.0	12,548.0	7,332.6	127.9	105.3	-42.98	-464.6	-4,650.7	1,893.9	1,727.5	166.34	11.386	
13,967.2	8,720.0	12,578.7	7,331.5	129.5	105.9	-42.92	-462.7	-4,681.3	1,893.2	1,725.3	167.91	11.275	
14,000.0	8,720.0	12,607.0	7,329.6	130.3	106.5	-42.84	-460.9	-4,709.5	1,893.5	1,724.8	168.73	11.222	
14,100.0	8,720.0	12,711.3	7,323.0	132.7	108.8	-42.58	-454.2	-4,813.3	1,894.4	1,723.1	171.33	11.058	
14,200.0	8,720.0	12,805.2	7,320.1	135.1	110.8	-42.46	-450.8	-4,907.1	1,894.7	1,720.5	174.17	10.878	
14,300.0	8,720.0	12,886.7	7,318.2	137.4	112.6	-42.39	-449.0	-4,988.6	1,895.6	1,718.6	176.98	10.710	
14,400.0	8,720.0	12,957.4	7,315.6	139.8	114.1	-42.33	-447.9	-5,059.2	1,897.7	1,718.1	179.60	10.566	
14,500.0	8,720.0	13,187.8	7,310.3	142.2	119.2	-42.11	-441.1	-5,289.2	1,898.9	1,714.9	183.95	10.323	
14,600.0	8,720.0	13,304.6	7,306.9	144.6	121.8	-41.78	-428.7	-5,405.4	1,894.4	1,708.0	186.42	10.162	
14,700.0	8,720.0	13,391.9	7,305.8	147.0	123.7	-41.58	-420.3	-5,492.3	1,889.6	1,700.6	188.97	10.000	
14,800.0	8,720.0	13,458.4	7,304.3	149.4	125.2	-41.45	-415.0	-5,558.5	1,886.4	1,695.0	191.44	9.854	
14,900.0	8,720.0	13,630.1	7,305.5	151.8	129.1	-41.21	-402.6	-5,729.7	1,881.2	1,686.5	194.71	9.662	
15,000.0	8,720.0	13,830.5	7,314.4	154.2	133.5	-40.97	-382.8	-5,928.8	1,871.4	1,673.6	197.80	9.461	
15,100.0	8,720.0	13,920.3	7,315.1	156.6	135.5	-40.65	-367.6	-6,017.4	1,860.1	1,660.2	199.96	9.302	
15,200.0	8,720.0	13,926.0	7,315.1	159.0	135.7	-40.62	-366.6	-6,022.9	1,851.5	1,649.0	202.51	9.143	
15,300.0	8,720.0	13,926.0	7,315.1	161.4	135.7	-40.62	-366.6	-6,022.9	1,848.3	1,643.7	204.61	9.033	
15,309.5	8,720.0	13,926.0	7,315.1	161.6	135.7	-40.62	-366.6	-6,022.9	1,848.3	1,643.5	204.78	9.026	
15,400.0	8,720.0	13,926.0	7,315.1	163.8	135.7	-40.62	-366.6	-6,022.9	1,850.5	1,644.3	206.17	8.976	
15,500.0	8,720.0	13,926.0	7,315.1	166.2	135.7	-40.62	-366.6	-6,022.9	1,858.1	1,650.9	207.18	8.968	
15,600.0	8,720.0	13,926.0	7,315.1	168.6	135.7	-40.62	-366.6	-6,022.9	1,871.0	1,663.3	207.65	9.010	
15,700.0	8,720.0	13,926.0	7,315.1	171.0	135.7	-40.62	-366.6	-6,022.9	1,889.1	1,681.5	207.59	9.100	
15,800.0	8,720.0	13,926.0	7,315.1	173.4	135.7	-40.62	-366.6	-6,022.9	1,912.3	1,705.2	207.03	9.237	
15,900.0	8,720.0	13,926.0	7,315.1	175.8	135.7	-40.62	-366.6	-6,022.9	1,940.3	1,734.3	206.02	9.418	
16,000.0	8,720.0	13,926.0	7,315.1	178.2	135.7	-40.62	-366.6	-6,022.9	1,973.1	1,768.5	204.60	9.643	
16,100.0	8,720.0	13,926.0	7,315.1	180.6	135.7	-40.62	-366.6	-6,022.9	2,010.2	1,807.4	202.83	9.911	
16,200.0	8,720.0	13,926.0	7,315.1	183.0	135.7	-40.62	-366.6	-6,022.9	2,051.6	1,850.9	200.75	10.220	
16,300.0	8,720.0	13,926.0	7,315.1	185.5	135.7	-40.62	-366.6	-6,022.9	2,097.0	1,898.5	198.43	10.568	
16,400.0	8,720.0	13,926.0	7,315.1	187.9	135.7	-40.62	-366.6	-6,022.9	2,146.0	1,950.1	195.90	10.955	
16,500.0	8,720.0	13,926.0	7,315.1	190.3	135.7	-40.62	-366.6	-6,022.9	2,198.5	2,005.3	193.22	11.378	
16,600.0	8,720.0	13,926.0	7,315.1	192.7	135.7	-40.62	-366.6	-6,022.9	2,254.2	2,063.8	190.44	11.837	
16,700.0	8,720.0	13,926.0	7,315.1	195.1	135.7	-40.62	-366.6	-6,022.9	2,312.9	2,125.4	187.58	12.331	
16,800.0	8,720.0	13,926.0	7,315.1	197.5	135.7	-40.62	-366.6	-6,022.9	2,374.4	2,189.7	184.68	12.857	
16,900.0	8,720.0	13,926.0	7,315.1	200.0	135.7	-40.62	-366.6	-6,022.9	2,438.4	2,256.6	181.77	13.415	
17,000.0	8,720.0	13,926.0	7,315.1	202.4	135.7	-40.62	-366.6	-6,022.9	2,504.8	2,325.9	178.88	14.003	
17,100.0	8,720.0	13,926.0	7,315.1	204.8	135.7	-40.62	-366.6	-6,022.9	2,573.3	2,397.3	176.01	14.621	
17,200.0	8,720.0	13,926.0	7,315.1	207.2	135.7	-40.62	-366.6	-6,022.9	2,643.9	2,470.7	173.19	15.266	
17,300.0	8,720.0	13,926.0	7,315.1	209.6	135.7	-40.62	-366.6	-6,022.9	2,716.3	2,545.9	170.42	15.938	
17,400.0	8,720.0	13,926.0	7,315.1	212.1	135.7	-40.62	-366.6	-6,022.9	2,790.4	2,622.7	167.73	16.637	
17,500.0	8,720.0	13,926.0	7,315.1	214.5	135.7	-40.62	-366.6	-6,022.9	2,866.1	2,701.0	165.10	17.359	
17,600.0	8,720.0	13,926.0	7,315.1	216.9	135.7	-40.62	-366.6	-6,022.9	2,943.2	2,780.7	162.56	18.106	
17,700.0	8,720.0	13,926.0	7,315.1	219.3	135.7	-40.62	-366.6	-6,022.9	3,021.7	2,861.6	160.10	18.874	
17,800.0	8,720.0	13,926.0	7,315.1	221.8	135.7	-40.62	-366.6	-6,022.9	3,101.4	2,943.7	157.71	19.665	
17,900.0	8,720.0	13,926.0	7,315.1	224.2	135.7	-40.62	-366.6	-6,022.9	3,182.3	3,026.9	155.42	20.476	
18,000.0	8,720.0	13,926.0	7,315.1	226.6	135.7	-40.62	-366.6	-6,022.9	3,264.2	3,111.0	153.20	21.306	
18,100.0	8,720.0	13,926.0	7,315.1	229.1	135.7	-40.62	-366.6	-6,022.9	3,347.1	3,196.0	151.07	22.155	
18,200.0	8,720.0	13,926.0	7,315.1	231.5	135.7	-40.62	-366.6	-6,022.9	3,430.9	3,281.9	149.02	23.023	
18,300.0	8,720.0	13,926.0	7,315.1	233.9	135.7	-40.62	-366.6	-6,022.9	3,515.6	3,368.5	147.05	23.907	
18,400.0	8,720.0	13,926.0	7,315.1	236.3	135.7	-40.62	-366.6	-6,022.9	3,601.0	3,455.9	145.16	24.807	
18,500.0	8,720.0	13,926.0	7,315.1	238.8	135.7	-40.62	-366.6	-6,022.9	3,687.2	3,543.9	143.34	25.723	
18,600.0	8,720.0	13,926.0	7,315.1	241.2	135.7	-40.62	-366.6	-6,022.9	3,774.1	3,632.5	141.60	26.654	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Sidetrack - Sidetrack

Offset Site Error: 0.0 usft

Survey Program: 197-MWD, 9318-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,700.0	8,720.0	13,926.0	7,315.1	243.6	135.7	-40.62	-366.6	-6,022.9	3,861.6	3,721.6	139.92	27.598	
18,800.0	8,720.0	13,926.0	7,315.1	246.1	135.7	-40.62	-366.6	-6,022.9	3,949.7	3,811.3	138.31	28.556	
18,900.0	8,720.0	13,926.0	7,315.1	248.5	135.7	-40.62	-366.6	-6,022.9	4,038.3	3,901.5	136.77	29.527	
19,000.0	8,720.0	13,926.0	7,315.1	250.9	135.7	-40.62	-366.6	-6,022.9	4,127.5	3,992.2	135.29	30.509	
19,100.0	8,720.0	13,926.0	7,315.1	253.4	135.7	-40.62	-366.6	-6,022.9	4,217.1	4,083.3	133.86	31.503	
19,176.7	8,720.0	13,926.0	7,315.1	255.2	135.7	-40.62	-366.6	-6,022.9	4,286.2	4,153.4	132.81	32.273	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 197-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-0.06	30.5	0.0	30.6				
100.0	100.0	98.1	98.1	0.1	0.2	-0.43	30.4	-0.2	30.4	30.1	0.28	108.922	
200.0	200.0	198.1	198.1	0.5	0.3	-1.61	30.0	-0.8	30.0	29.2	0.79	37.965	
300.0	300.0	298.4	298.4	0.8	0.7	-3.02	29.2	-1.5	29.3	27.7	1.51	19.338	
400.0	400.0	398.6	398.6	1.2	1.0	144.26	27.3	-3.0	28.1	25.9	2.22	12.685	
424.5	424.5	423.2	423.2	1.3	1.1	143.54	26.7	-3.6	28.0	25.6	2.39	11.717	
500.0	500.0	499.0	498.9	1.5	1.4	140.62	24.2	-5.7	27.2	24.2	2.92	9.296	
600.0	599.9	599.3	599.0	1.9	1.8	135.35	19.6	-8.7	24.8	21.1	3.64	6.816	
700.0	699.9	699.1	698.6	2.2	2.1	129.19	14.5	-11.4	22.2	17.8	4.35	5.098	
800.0	799.9	798.9	798.5	2.6	2.5	131.16	12.2	-11.6	21.5	16.4	5.05	4.251	
900.0	899.9	899.4	898.7	2.9	2.8	147.92	9.1	-6.5	19.2	13.4	5.74	3.342	
957.2	957.0	956.4	955.4	3.1	3.0	166.22	6.4	-1.3	18.3	12.2	6.13	2.987	CC, ES
1,000.0	999.9	999.0	997.8	3.3	3.2	-178.71	4.1	2.9	18.9	12.5	6.44	2.936	SF
1,100.0	1,099.8	1,098.6	1,096.7	3.7	3.5	-149.85	-2.1	12.6	23.8	16.7	7.16	3.327	
1,200.0	1,199.8	1,196.5	1,193.6	4.0	3.9	-130.11	-10.1	23.6	33.6	25.7	7.87	4.265	
1,300.0	1,299.8	1,294.2	1,290.0	4.4	4.3	-121.08	-17.0	38.6	49.6	41.0	8.55	5.792	
1,400.0	1,399.8	1,393.0	1,387.3	4.7	4.7	-116.71	-23.6	54.1	66.5	57.2	9.26	7.180	
1,475.7	1,475.5	1,468.5	1,461.7	5.0	5.0	-114.48	-28.9	65.2	78.8	69.0	9.81	8.034	
1,500.0	1,499.7	1,492.7	1,485.7	5.1	5.1	-113.87	-30.6	68.6	82.6	72.6	9.99	8.269	
1,600.3	1,600.0	1,591.5	1,583.3	5.4	5.5	98.67	-36.6	82.5	97.7	87.0	10.68	9.148	
1,700.0	1,699.7	1,691.4	1,682.1	5.8	5.9	57.66	-40.8	96.6	111.8	100.4	11.38	9.825	
1,800.0	1,799.7	1,792.4	1,782.2	6.1	6.3	59.37	-44.7	109.4	123.7	111.6	12.08	10.236	
1,900.0	1,899.6	1,894.1	1,883.2	6.4	6.7	61.50	-48.4	120.7	133.2	120.4	12.79	10.413	
2,000.0	1,999.4	1,986.8	1,975.0	6.8	7.1	64.03	-53.0	132.6	144.0	130.6	13.41	10.745	
2,100.0	2,099.1	2,084.5	2,071.5	7.1	7.5	67.37	-59.8	146.8	156.9	142.8	14.08	11.140	
2,200.0	2,198.6	2,184.5	2,170.1	7.5	7.9	71.09	-67.5	160.8	169.5	154.7	14.80	11.456	
2,300.0	2,298.0	2,283.1	2,267.5	7.8	8.3	74.88	-75.3	174.1	181.9	166.4	15.50	11.737	
2,400.0	2,397.1	2,381.1	2,364.3	8.2	8.8	78.79	-83.6	187.2	194.9	178.7	16.21	12.022	
2,500.0	2,496.0	2,479.8	2,461.8	8.5	9.2	82.52	-91.4	200.7	208.4	191.5	16.95	12.298	
2,600.0	2,594.7	2,579.6	2,560.4	8.9	9.6	86.19	-98.7	214.0	222.1	204.3	17.71	12.539	
2,697.6	2,690.7	2,677.8	2,657.6	9.3	10.0	89.80	-105.4	226.4	235.2	216.8	18.48	12.732	
2,700.0	2,693.0	2,680.2	2,660.0	9.3	10.0	89.89	-105.5	226.7	235.6	217.1	18.49	12.736	
2,800.0	2,791.2	2,780.0	2,759.0	9.7	10.4	93.51	-111.6	238.3	248.9	229.6	19.29	12.906	
2,900.0	2,889.3	2,874.8	2,852.9	10.1	10.8	96.53	-117.2	249.6	263.1	243.1	20.04	13.127	
3,000.0	2,987.5	2,969.6	2,946.5	10.5	11.2	98.75	-122.6	263.9	279.8	259.0	20.81	13.448	
3,100.0	3,085.7	3,068.7	3,044.1	10.9	11.7	100.62	-127.8	279.6	296.9	275.3	21.62	13.733	
3,200.0	3,183.8	3,168.4	3,142.5	11.3	12.1	102.33	-132.8	295.0	313.9	291.5	22.44	13.986	
3,300.0	3,282.0	3,268.7	3,241.5	11.7	12.5	103.90	-137.4	310.0	330.5	307.3	23.28	14.201	
3,400.0	3,380.2	3,368.8	3,340.5	12.1	13.0	105.40	-141.8	324.3	346.8	322.7	24.11	14.386	
3,500.0	3,478.4	3,469.1	3,439.9	12.6	13.4	106.84	-145.9	337.9	362.8	337.9	24.94	14.545	
3,600.0	3,576.5	3,571.5	3,541.3	13.0	13.8	108.29	-149.8	350.9	378.2	352.4	25.79	14.664	
3,700.0	3,674.7	3,673.4	3,642.5	13.4	14.2	109.73	-153.1	362.6	392.8	366.2	26.64	14.749	
3,800.0	3,772.9	3,773.2	3,741.7	13.8	14.6	111.12	-156.1	373.3	407.1	379.6	27.46	14.824	
3,900.0	3,871.1	3,859.1	3,826.9	14.3	15.0	112.25	-159.7	383.0	423.0	394.8	28.19	15.005	
4,000.0	3,969.2	3,955.8	3,922.8	14.7	15.4	113.39	-165.2	394.8	440.6	411.6	28.99	15.198	
4,100.0	4,067.4	4,058.7	4,024.7	15.1	15.8	114.53	-170.7	407.1	458.1	428.2	29.85	15.344	
4,200.0	4,165.6	4,158.7	4,124.0	15.6	16.2	115.63	-175.6	418.2	475.0	444.3	30.68	15.481	
4,300.0	4,263.7	4,258.4	4,223.1	16.0	16.6	116.72	-180.1	428.4	491.4	459.9	31.51	15.596	
4,400.0	4,361.9	4,346.5	4,310.5	16.5	17.0	117.52	-184.8	438.7	509.1	476.9	32.24	15.790	
4,500.0	4,460.1	4,440.2	4,403.2	16.9	17.4	118.19	-190.6	451.2	528.3	495.3	33.03	15.996	
4,600.0	4,558.3	4,539.1	4,500.9	17.4	17.8	118.80	-196.8	464.7	547.8	513.9	33.86	16.179	
4,700.0	4,656.4	4,637.2	4,597.9	17.8	18.2	119.38	-202.9	478.0	567.3	532.6	34.69	16.355	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 197-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	4,736.3	4,696.0	18.2	18.6	119.95	-209.0	491.3	586.7	551.2	35.52	16.517	
4,900.0	4,852.8	4,836.2	4,794.9	18.7	19.1	120.54	-215.2	504.0	605.9	569.5	36.36	16.665	
5,000.0	4,950.9	4,937.1	4,894.9	19.1	19.5	121.15	-221.1	516.1	624.7	587.5	37.20	16.794	
5,100.0	5,049.1	5,038.1	4,994.9	19.6	19.9	121.59	-226.2	529.7	643.2	605.2	38.05	16.905	
5,200.0	5,147.3	5,143.3	5,099.0	20.0	20.4	122.02	-230.8	543.7	661.1	622.2	38.93	16.983	
5,300.0	5,245.5	5,249.7	5,204.5	20.5	20.8	122.45	-234.2	557.1	677.7	637.9	39.81	17.024	
5,400.0	5,343.6	5,342.5	5,296.4	20.9	21.2	122.75	-236.7	569.5	694.1	653.5	40.60	17.095	
5,500.0	5,441.8	5,437.0	5,389.9	21.4	21.6	123.00	-240.2	582.9	711.5	670.1	41.40	17.184	
5,600.0	5,540.0	5,535.6	5,487.3	21.8	22.0	123.21	-243.7	597.3	729.0	686.8	42.24	17.259	
5,700.0	5,638.1	5,634.4	5,585.1	22.3	22.4	123.43	-247.3	611.5	746.5	703.4	43.08	17.329	
5,800.0	5,736.3	5,736.8	5,686.4	22.8	22.9	123.67	-250.9	625.8	763.8	719.9	43.94	17.383	
5,900.0	5,834.5	5,838.2	5,786.9	23.2	23.3	123.95	-254.1	639.3	780.6	735.8	44.79	17.427	
6,000.0	5,932.7	5,937.1	5,884.9	23.7	23.7	124.25	-257.1	651.9	797.2	751.6	45.62	17.474	
6,100.0	6,030.8	6,027.0	5,974.0	24.1	24.1	124.51	-260.3	663.3	814.4	768.0	46.39	17.556	
6,200.0	6,129.0	6,136.0	6,082.1	24.6	24.5	124.88	-264.3	676.4	831.4	784.2	47.28	17.584	
6,300.0	6,227.2	6,234.2	6,179.7	25.0	24.9	125.25	-267.5	687.3	848.0	799.9	48.10	17.631	
6,400.0	6,325.3	6,336.6	6,281.5	25.5	25.3	125.66	-270.7	697.9	864.3	815.4	48.93	17.663	
6,500.0	6,423.5	6,439.1	6,383.6	25.9	25.7	126.19	-273.8	706.6	880.2	830.4	49.76	17.689	
6,600.0	6,521.7	6,543.3	6,487.5	26.4	26.1	126.79	-276.7	714.0	895.7	845.1	50.58	17.708	
6,700.0	6,619.9	6,647.2	6,591.2	26.9	26.5	127.46	-279.0	720.0	910.5	859.1	51.39	17.717	
6,800.0	6,718.0	6,751.5	6,695.4	27.3	26.8	128.17	-281.1	724.7	925.0	872.8	52.19	17.723	
6,900.0	6,816.2	6,861.1	6,804.8	27.8	27.2	129.16	-282.8	725.3	938.6	885.7	52.97	17.720	
7,000.0	6,914.4	6,938.5	6,881.2	28.2	27.4	130.55	-285.8	713.9	953.1	899.6	53.50	17.814	
7,100.0	7,012.5	7,035.4	6,972.3	28.7	27.5	133.30	-292.0	681.5	969.6	915.6	53.98	17.962	
7,200.0	7,110.7	7,090.6	7,021.2	29.1	27.5	135.19	-295.9	656.4	989.1	935.0	54.17	18.259	
7,300.0	7,208.9	7,139.0	7,061.9	29.6	27.6	137.02	-300.9	630.7	1,014.6	960.4	54.16	18.734	
7,400.0	7,307.1	7,171.6	7,087.9	30.1	27.6	138.34	-304.9	611.4	1,046.1	992.3	53.82	19.437	
7,500.0	7,405.2	7,202.1	7,110.8	30.5	27.6	139.63	-309.3	591.7	1,084.0	1,030.7	53.26	20.352	
7,514.9	7,419.9	7,206.3	7,113.7	30.6	27.6	139.81	-309.9	588.9	1,090.2	1,037.0	53.16	20.508	
7,600.0	7,503.6	7,234.0	7,133.1	31.0	27.6	141.42	-314.4	569.5	1,127.3	1,074.8	52.54	21.456	
7,700.0	7,602.4	7,257.5	7,148.7	31.4	27.6	142.93	-318.5	552.5	1,174.5	1,122.9	51.60	22.763	
7,800.0	7,701.5	7,286.9	7,167.6	31.8	27.6	144.69	-323.9	530.6	1,224.9	1,174.3	50.62	24.199	
7,900.0	7,801.0	7,329.0	7,193.6	32.2	27.6	146.94	-332.2	498.5	1,278.4	1,228.6	49.73	25.704	
8,000.0	7,900.7	7,345.6	7,203.5	32.6	27.6	148.14	-335.6	485.6	1,333.9	1,285.4	48.50	27.503	
8,100.0	8,000.5	7,380.5	7,223.8	32.9	27.7	150.02	-342.9	458.2	1,391.5	1,344.0	47.50	29.298	
8,200.0	8,100.5	7,423.0	7,247.8	33.2	27.7	152.10	-352.0	424.4	1,450.7	1,404.1	46.60	31.134	
8,246.5	8,147.0	7,423.0	7,247.8	33.4	27.7	-165.33	-352.0	424.4	1,478.7	1,432.8	45.90	32.214	
8,250.0	8,150.5	7,423.0	7,247.8	33.4	27.7	-75.51	-352.0	424.4	1,480.8	1,434.9	45.85	32.297	
8,300.0	8,200.4	7,423.0	7,247.8	33.5	27.7	-71.84	-352.0	424.4	1,511.2	1,466.1	45.10	33.510	
8,350.0	8,249.9	7,450.9	7,262.8	33.6	27.7	-67.51	-358.2	401.7	1,540.9	1,496.1	44.76	34.428	
8,400.0	8,298.7	7,463.3	7,269.2	33.7	27.7	-63.90	-361.0	391.4	1,570.3	1,526.0	44.20	35.525	
8,450.0	8,346.2	7,476.2	7,275.6	33.8	27.7	-60.56	-363.9	380.6	1,598.8	1,555.2	43.67	36.610	
8,500.0	8,392.3	7,517.0	7,294.5	33.9	27.8	-57.10	-373.6	345.8	1,627.1	1,583.5	43.54	37.369	
8,550.0	8,436.5	7,517.0	7,294.5	33.9	27.8	-54.61	-373.6	345.8	1,652.9	1,610.0	42.88	38.543	
8,600.0	8,478.5	7,517.0	7,294.5	34.0	27.8	-52.31	-373.6	345.8	1,677.7	1,635.4	42.27	39.688	
8,650.0	8,518.0	7,544.1	7,306.1	34.0	27.8	-50.08	-380.0	322.2	1,700.9	1,658.9	42.07	40.433	
8,700.0	8,554.6	7,570.2	7,316.7	34.0	27.9	-48.19	-386.1	299.1	1,722.2	1,680.3	41.89	41.111	
8,750.0	8,588.1	7,611.0	7,332.3	34.0	28.0	-46.57	-395.1	262.5	1,741.4	1,699.4	41.93	41.525	
8,800.0	8,618.3	7,611.0	7,332.3	33.9	28.0	-45.29	-395.1	262.5	1,758.2	1,716.6	41.56	42.309	
8,850.0	8,644.9	7,651.8	7,346.5	33.9	28.2	-44.23	-403.6	225.1	1,772.5	1,730.8	41.73	42.474	
8,900.0	8,667.7	7,680.0	7,355.4	33.9	28.3	-43.42	-409.0	199.0	1,784.5	1,742.7	41.82	42.670	
8,950.0	8,686.6	7,709.5	7,364.0	33.9	28.4	-42.84	-414.3	171.3	1,794.0	1,752.0	41.99	42.720	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 197-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.0	8,701.3	7,759.2	7,377.4	33.9	28.7	-42.56	-422.3	124.1	1,800.5	1,758.1	42.47	42.399	
9,050.0	8,711.8	7,809.3	7,389.8	33.9	29.1	-42.55	-429.0	76.0	1,803.9	1,760.9	43.00	41.953	
9,100.0	8,718.1	7,802.0	7,388.0	33.9	29.0	-42.44	-428.1	83.0	1,805.0	1,761.9	43.09	41.892	
9,146.5	8,720.0	7,802.0	7,388.0	33.9	29.0	-42.49	-428.1	83.0	1,804.3	1,761.0	43.33	41.644	
9,200.0	8,720.0	7,845.9	7,396.4	34.1	29.4	-42.79	-433.2	40.3	1,801.5	1,757.5	44.05	40.896	
9,263.8	8,720.0	7,864.0	7,398.5	34.3	29.5	-42.88	-435.0	22.4	1,800.7	1,756.1	44.68	40.305	
9,300.0	8,720.0	7,897.0	7,400.5	34.5	29.8	-43.00	-438.0	-10.4	1,801.5	1,756.3	45.16	39.893	
9,400.0	8,720.0	7,914.2	7,400.7	35.2	30.0	-43.04	-439.3	-27.5	1,804.4	1,758.1	46.20	39.054	
9,500.0	8,720.0	7,992.0	7,398.1	36.2	30.7	-43.06	-441.9	-105.3	1,809.6	1,762.1	47.59	38.026	
9,600.0	8,720.0	8,067.8	7,393.4	37.3	31.6	-43.01	-443.6	-180.8	1,816.2	1,767.1	49.10	36.989	
9,700.0	8,720.0	8,194.1	7,389.9	38.6	33.2	-43.13	-451.4	-306.9	1,823.1	1,771.9	51.18	35.618	
9,800.0	8,720.0	8,289.0	7,388.7	39.9	34.5	-43.27	-457.6	-401.6	1,829.0	1,775.7	53.28	34.330	
9,900.0	8,720.0	8,369.0	7,386.8	41.4	35.7	-43.36	-462.8	-481.4	1,835.7	1,780.4	55.36	33.158	
10,000.0	8,720.0	8,420.7	7,385.1	43.0	36.5	-43.43	-467.2	-532.9	1,844.3	1,787.0	57.31	32.182	
10,100.0	8,720.0	8,645.0	7,385.9	44.6	40.3	-44.04	-491.6	-755.7	1,853.8	1,792.5	61.39	30.196	
10,200.0	8,720.0	8,765.0	7,389.4	46.3	42.5	-44.27	-498.0	-875.4	1,855.9	1,791.5	64.42	28.812	
10,300.0	8,720.0	8,827.3	7,388.2	48.1	43.6	-44.28	-499.1	-937.7	1,859.0	1,792.3	66.72	27.862	
10,400.0	8,720.0	8,899.0	7,383.9	50.0	45.0	-44.20	-499.2	-1,009.3	1,864.0	1,794.9	69.10	26.975	
10,500.0	8,720.0	9,154.3	7,385.0	51.8	50.0	-44.40	-504.9	-1,264.4	1,866.2	1,792.3	73.91	25.250	
10,600.0	8,720.0	9,238.4	7,387.6	53.8	51.8	-44.44	-503.9	-1,348.4	1,863.8	1,787.0	76.73	24.288	
10,686.5	8,720.0	9,290.8	7,387.4	55.5	52.8	-44.42	-502.6	-1,400.8	1,863.0	1,784.1	78.91	23.609	
10,700.0	8,720.0	9,299.0	7,387.2	55.8	53.0	-44.41	-502.4	-1,409.0	1,863.0	1,783.7	79.24	23.509	
10,800.0	8,720.0	9,372.1	7,384.6	57.8	54.5	-44.33	-500.4	-1,482.1	1,864.1	1,782.2	81.85	22.773	
10,900.0	8,720.0	9,480.9	7,379.9	59.8	56.8	-44.18	-497.6	-1,590.6	1,866.0	1,781.1	84.86	21.988	
11,000.0	8,720.0	9,617.5	7,369.3	61.9	59.7	-43.73	-486.2	-1,726.3	1,866.3	1,778.4	87.86	21.243	
11,053.7	8,720.0	9,659.1	7,367.2	63.0	60.6	-43.63	-483.6	-1,767.9	1,866.2	1,777.0	89.27	20.906	
11,100.0	8,720.0	9,695.0	7,365.9	64.0	61.4	-43.57	-482.0	-1,803.7	1,866.3	1,775.8	90.51	20.621	
11,200.0	8,720.0	9,767.6	7,363.3	66.1	62.9	-43.49	-479.9	-1,876.2	1,867.5	1,774.3	93.18	20.041	
11,300.0	8,720.0	9,987.2	7,353.8	68.2	67.7	-42.94	-462.8	-2,094.7	1,865.2	1,768.1	97.08	19.212	
11,400.0	8,720.0	10,081.1	7,349.8	70.4	69.8	-42.63	-452.1	-2,187.9	1,861.1	1,761.3	99.74	18.658	
11,500.0	8,720.0	10,161.9	7,347.3	72.6	71.6	-42.43	-444.8	-2,268.4	1,857.6	1,755.2	102.40	18.141	
11,600.0	8,720.0	10,228.0	7,346.1	74.8	73.1	-42.32	-440.9	-2,334.4	1,855.6	1,750.6	105.02	17.669	
11,655.4	8,720.0	10,263.0	7,345.4	76.0	73.9	-42.29	-439.5	-2,369.3	1,855.3	1,748.8	106.47	17.426	
11,700.0	8,720.0	10,288.7	7,344.9	77.0	74.5	-42.26	-438.9	-2,395.0	1,855.5	1,747.9	107.61	17.243	
11,800.0	8,720.0	10,358.0	7,343.2	79.2	76.1	-42.24	-439.1	-2,464.3	1,857.8	1,747.4	110.36	16.834	
11,900.0	8,720.0	10,430.6	7,340.2	81.5	77.7	-42.21	-439.6	-2,536.8	1,861.7	1,748.5	113.12	16.457	
12,000.0	8,720.0	10,504.6	7,335.7	83.7	79.4	-42.12	-439.2	-2,610.7	1,866.4	1,750.6	115.80	16.117	
12,100.0	8,720.0	10,745.9	7,343.5	86.0	84.9	-42.54	-448.6	-2,851.3	1,865.7	1,743.9	121.84	15.313	
12,200.0	8,720.0	10,822.0	7,348.0	88.3	86.7	-42.71	-451.5	-2,927.2	1,864.4	1,739.2	125.14	14.898	
12,300.0	8,720.0	10,928.9	7,351.0	90.5	89.2	-42.81	-452.6	-3,033.9	1,863.6	1,734.8	128.74	14.475	
12,386.1	8,720.0	10,995.0	7,350.9	92.5	90.7	-42.80	-451.4	-3,100.1	1,863.1	1,731.8	131.31	14.189	
12,400.0	8,720.0	11,005.8	7,350.8	92.8	91.0	-42.79	-451.3	-3,110.9	1,863.1	1,731.4	131.72	14.145	
12,500.0	8,720.0	11,079.4	7,349.5	95.1	92.7	-42.76	-450.3	-3,184.4	1,864.0	1,729.4	134.61	13.848	
12,600.0	8,720.0	11,151.4	7,347.6	97.4	94.4	-42.73	-450.1	-3,256.4	1,866.3	1,728.9	137.45	13.578	
12,700.0	8,720.0	11,222.1	7,344.4	99.8	96.0	-42.67	-450.1	-3,327.1	1,870.2	1,730.0	140.21	13.339	
12,800.0	8,720.0	11,298.0	7,340.2	102.1	97.8	-42.62	-451.2	-3,402.8	1,875.7	1,732.7	143.03	13.114	
12,900.0	8,720.0	11,601.4	7,344.8	104.4	104.9	-42.73	-449.6	-3,705.9	1,871.8	1,722.2	149.56	12.515	
13,000.0	8,720.0	11,664.0	7,345.2	106.7	106.4	-42.67	-446.1	-3,768.4	1,867.9	1,715.5	152.37	12.259	
13,100.0	8,720.0	11,760.4	7,343.2	109.1	108.7	-42.50	-439.4	-3,864.5	1,865.2	1,709.9	155.30	12.010	
13,200.0	8,720.0	11,926.8	7,342.7	111.4	112.6	-42.23	-427.0	-4,030.4	1,861.1	1,702.3	158.79	11.721	
13,300.0	8,720.0	11,998.9	7,345.0	113.8	114.3	-42.20	-422.7	-4,102.3	1,855.3	1,693.5	161.78	11.468	
13,400.0	8,720.0	12,067.4	7,344.4	116.1	115.9	-42.08	-417.6	-4,170.7	1,851.5	1,687.0	164.50	11.255	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 197-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,500.0	8,720.0	12,149.7	7,342.5	118.5	117.9	-41.92	-411.8	-4,252.8	1,849.0	1,681.7	167.25	11.055	
13,600.0	8,720.0	12,227.0	7,340.0	120.8	119.7	-41.76	-406.3	-4,329.8	1,847.2	1,677.3	169.88	10.873	
13,616.1	8,720.0	12,227.0	7,340.0	121.2	119.7	-41.76	-406.3	-4,329.8	1,847.1	1,676.9	170.20	10.853	
13,700.0	8,720.0	12,227.0	7,340.0	123.2	119.7	-41.76	-406.3	-4,329.8	1,849.0	1,677.3	171.64	10.773	
13,800.0	8,720.0	12,227.0	7,340.0	125.6	119.7	-41.76	-406.3	-4,329.8	1,856.2	1,683.3	172.95	10.733	
13,900.0	8,720.0	12,227.0	7,340.0	127.9	119.7	-41.76	-406.3	-4,329.8	1,868.8	1,695.0	173.81	10.752	
14,000.0	8,720.0	12,227.0	7,340.0	130.3	119.7	-41.76	-406.3	-4,329.8	1,886.6	1,712.3	174.23	10.828	
14,100.0	8,720.0	12,227.0	7,340.0	132.7	119.7	-41.76	-406.3	-4,329.8	1,909.4	1,735.2	174.24	10.959	
14,200.0	8,720.0	12,227.0	7,340.0	135.1	119.7	-41.76	-406.3	-4,329.8	1,937.2	1,763.3	173.85	11.143	
14,300.0	8,720.0	12,227.0	7,340.0	137.4	119.7	-41.76	-406.3	-4,329.8	1,969.6	1,796.5	173.11	11.378	
14,400.0	8,720.0	12,227.0	7,340.0	139.8	119.7	-41.76	-406.3	-4,329.8	2,006.5	1,834.5	172.06	11.662	
14,500.0	8,720.0	12,227.0	7,340.0	142.2	119.7	-41.76	-406.3	-4,329.8	2,047.7	1,876.9	170.73	11.993	
14,600.0	8,720.0	12,227.0	7,340.0	144.6	119.7	-41.76	-406.3	-4,329.8	2,092.8	1,923.6	169.18	12.370	
14,700.0	8,720.0	12,227.0	7,340.0	147.0	119.7	-41.76	-406.3	-4,329.8	2,141.6	1,974.2	167.44	12.790	
14,800.0	8,720.0	12,227.0	7,340.0	149.4	119.7	-41.76	-406.3	-4,329.8	2,193.9	2,028.4	165.55	13.252	
14,900.0	8,720.0	12,227.0	7,340.0	151.8	119.7	-41.76	-406.3	-4,329.8	2,249.5	2,085.9	163.55	13.754	
15,000.0	8,720.0	12,227.0	7,340.0	154.2	119.7	-41.76	-406.3	-4,329.8	2,308.0	2,146.5	161.47	14.294	
15,100.0	8,720.0	12,227.0	7,340.0	156.6	119.7	-41.76	-406.3	-4,329.8	2,369.3	2,210.0	159.34	14.870	
15,200.0	8,720.0	12,227.0	7,340.0	159.0	119.7	-41.76	-406.3	-4,329.8	2,433.2	2,276.0	157.18	15.481	
15,300.0	8,720.0	12,227.0	7,340.0	161.4	119.7	-41.76	-406.3	-4,329.8	2,499.4	2,344.4	155.01	16.125	
15,400.0	8,720.0	12,227.0	7,340.0	163.8	119.7	-41.76	-406.3	-4,329.8	2,567.9	2,415.0	152.85	16.800	
15,500.0	8,720.0	12,227.0	7,340.0	166.2	119.7	-41.76	-406.3	-4,329.8	2,638.3	2,487.6	150.71	17.506	
15,600.0	8,720.0	12,227.0	7,340.0	168.6	119.7	-41.76	-406.3	-4,329.8	2,710.6	2,562.0	148.60	18.241	
15,700.0	8,720.0	12,227.0	7,340.0	171.0	119.7	-41.76	-406.3	-4,329.8	2,784.6	2,638.1	146.54	19.003	
15,800.0	8,720.0	12,227.0	7,340.0	173.4	119.7	-41.76	-406.3	-4,329.8	2,860.3	2,715.7	144.52	19.791	
15,900.0	8,720.0	12,227.0	7,340.0	175.8	119.7	-41.76	-406.3	-4,329.8	2,937.3	2,794.8	142.56	20.604	
16,000.0	8,720.0	12,227.0	7,340.0	178.2	119.7	-41.76	-406.3	-4,329.8	3,015.7	2,875.1	140.65	21.441	
16,100.0	8,720.0	12,227.0	7,340.0	180.6	119.7	-41.76	-406.3	-4,329.8	3,095.4	2,956.6	138.80	22.300	
16,200.0	8,720.0	12,227.0	7,340.0	183.0	119.7	-41.76	-406.3	-4,329.8	3,176.2	3,039.2	137.02	23.181	
16,300.0	8,720.0	12,227.0	7,340.0	185.5	119.7	-41.76	-406.3	-4,329.8	3,258.1	3,122.8	135.29	24.082	
16,400.0	8,720.0	12,227.0	7,340.0	187.9	119.7	-41.76	-406.3	-4,329.8	3,340.9	3,207.3	133.63	25.002	
16,500.0	8,720.0	12,227.0	7,340.0	190.3	119.7	-41.76	-406.3	-4,329.8	3,424.7	3,292.7	132.02	25.940	
16,600.0	8,720.0	12,227.0	7,340.0	192.7	119.7	-41.76	-406.3	-4,329.8	3,509.3	3,378.8	130.48	26.896	
16,700.0	8,720.0	12,227.0	7,340.0	195.1	119.7	-41.76	-406.3	-4,329.8	3,594.7	3,465.7	128.99	27.868	
16,800.0	8,720.0	12,227.0	7,340.0	197.5	119.7	-41.76	-406.3	-4,329.8	3,680.9	3,553.3	127.56	28.855	
16,900.0	8,720.0	12,227.0	7,340.0	200.0	119.7	-41.76	-406.3	-4,329.8	3,767.7	3,641.5	126.19	29.858	
17,000.0	8,720.0	12,227.0	7,340.0	202.4	119.7	-41.76	-406.3	-4,329.8	3,855.2	3,730.3	124.87	30.875	
17,100.0	8,720.0	12,227.0	7,340.0	204.8	119.7	-41.76	-406.3	-4,329.8	3,943.2	3,819.6	123.60	31.904	
17,200.0	8,720.0	12,227.0	7,340.0	207.2	119.7	-41.76	-406.3	-4,329.8	4,031.9	3,909.5	122.37	32.947	
17,300.0	8,720.0	12,227.0	7,340.0	209.6	119.7	-41.76	-406.3	-4,329.8	4,121.0	3,999.8	121.20	34.001	
17,400.0	8,720.0	12,227.0	7,340.0	212.1	119.7	-41.76	-406.3	-4,329.8	4,210.6	4,090.6	120.07	35.067	
17,500.0	8,720.0	12,227.0	7,340.0	214.5	119.7	-41.76	-406.3	-4,329.8	4,300.7	4,181.7	118.99	36.143	
17,600.0	8,720.0	12,227.0	7,340.0	216.9	119.7	-41.76	-406.3	-4,329.8	4,391.2	4,273.3	117.95	37.229	
17,700.0	8,720.0	12,227.0	7,340.0	219.3	119.7	-41.76	-406.3	-4,329.8	4,482.2	4,365.2	116.95	38.325	
17,800.0	8,720.0	12,227.0	7,340.0	221.8	119.7	-41.76	-406.3	-4,329.8	4,573.5	4,457.5	115.99	39.430	
17,900.0	8,720.0	12,227.0	7,340.0	224.2	119.7	-41.76	-406.3	-4,329.8	4,665.1	4,550.1	115.07	40.543	
18,000.0	8,720.0	12,227.0	7,340.0	226.6	119.7	-41.76	-406.3	-4,329.8	4,757.1	4,642.9	114.18	41.664	
18,100.0	8,720.0	12,227.0	7,340.0	229.1	119.7	-41.76	-406.3	-4,329.8	4,849.4	4,736.1	113.32	42.793	
18,200.0	8,720.0	12,227.0	7,340.0	231.5	119.7	-41.76	-406.3	-4,329.8	4,942.0	4,829.5	112.50	43.928	
18,300.0	8,720.0	12,227.0	7,340.0	233.9	119.7	-41.76	-406.3	-4,329.8	5,034.9	4,923.2	111.71	45.070	
18,400.0	8,720.0	12,227.0	7,340.0	236.3	119.7	-41.76	-406.3	-4,329.8	5,128.1	5,017.1	110.95	46.219	
18,500.0	8,720.0	12,227.0	7,340.0	238.8	119.7	-41.76	-406.3	-4,329.8	5,221.5	5,111.3	110.22	47.373	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Actual

Survey Program: 197-MWD

Offset Site Error: 0.0 usft

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,600.0	8,720.0	12,227.0	7,340.0	241.2	119.7	-41.76	-406.3	-4,329.8	5,315.1	5,205.6	109.52	48.533	
18,700.0	8,720.0	12,227.0	7,340.0	243.6	119.7	-41.76	-406.3	-4,329.8	5,409.0	5,300.2	108.84	49.698	
18,800.0	8,720.0	12,227.0	7,340.0	246.1	119.7	-41.76	-406.3	-4,329.8	5,503.1	5,394.9	108.19	50.867	
18,900.0	8,720.0	12,227.0	7,340.0	248.5	119.7	-41.76	-406.3	-4,329.8	5,597.4	5,489.9	107.56	52.041	
19,000.0	8,720.0	12,227.0	7,340.0	250.9	119.7	-41.76	-406.3	-4,329.8	5,691.9	5,585.0	106.95	53.219	
19,100.0	8,720.0	12,227.0	7,340.0	253.4	119.7	-41.76	-406.3	-4,329.8	5,786.6	5,680.2	106.37	54.401	
19,176.7	8,720.0	12,227.0	7,340.0	255.2	119.7	-41.76	-406.3	-4,329.8	5,859.4	5,753.4	105.94	55.311	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Altitude Plan #2 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-0.06	30.5	0.0	30.6				
100.0	100.0	98.1	98.1	0.1	0.1	-0.43	30.4	-0.2	30.4	30.1	0.25	119.548	
200.0	200.0	198.2	198.1	0.5	0.5	-1.60	30.0	-0.8	30.0	29.1	0.97	31.036	
300.0	300.0	298.4	298.4	0.8	0.8	-3.01	29.2	-1.5	29.2	27.6	1.69	17.336	
400.0	400.0	398.6	398.6	1.2	1.2	144.28	27.2	-3.0	28.1	25.7	2.39	11.758	
424.5	424.5	423.2	423.2	1.3	1.3	143.56	26.6	-3.5	28.0	25.4	2.56	10.917	
500.0	500.0	499.0	498.9	1.5	1.6	140.63	24.2	-5.7	27.1	24.0	3.09	8.771	
600.0	599.9	599.3	599.0	1.9	1.9	135.36	19.5	-8.7	24.8	21.0	3.81	6.503	
700.0	699.9	699.1	698.6	2.2	2.3	129.20	14.4	-11.4	22.1	17.6	4.52	4.899	
800.0	799.9	798.9	798.5	2.6	2.7	131.17	12.2	-11.6	21.4	16.2	5.22	4.106	
900.0	899.9	899.4	898.7	2.9	3.0	147.95	9.1	-6.4	19.2	13.3	5.91	3.243	
957.0	956.9	956.3	955.3	3.1	3.2	166.22	6.4	-1.3	18.3	12.0	6.30	2.905	CC, ES
1,000.0	999.9	999.0	997.8	3.3	3.3	-178.66	4.1	2.9	18.9	12.3	6.61	2.860	SF
1,100.0	1,099.8	1,098.6	1,096.7	3.7	3.7	-149.80	-2.2	12.6	23.8	16.5	7.33	3.250	
1,200.0	1,199.8	1,196.5	1,193.6	4.0	4.1	-130.00	-10.2	23.5	33.5	25.5	8.03	4.173	
1,300.0	1,299.8	1,294.2	1,290.0	4.4	4.4	-121.00	-17.0	38.5	49.5	40.8	8.72	5.681	
1,400.0	1,399.8	1,393.0	1,387.3	4.7	4.8	-116.64	-23.7	54.0	66.5	57.0	9.42	7.053	
1,475.7	1,475.5	1,468.1	1,461.4	5.0	5.1	-114.78	-28.5	65.3	78.9	69.0	9.97	7.920	
1,500.0	1,499.7	1,492.2	1,485.2	5.1	5.2	-114.48	-29.7	68.9	82.8	72.7	10.14	8.169	
1,600.3	1,600.0	1,591.4	1,583.2	5.4	5.6	97.26	-34.3	83.4	98.3	87.5	10.84	9.071	
1,700.0	1,699.7	1,691.4	1,682.1	5.8	6.0	56.43	-38.5	97.5	112.3	100.8	11.54	9.737	
1,800.0	1,799.7	1,792.4	1,782.2	6.1	6.4	58.24	-42.4	110.3	124.1	111.9	12.24	10.141	
1,900.0	1,899.6	1,893.6	1,882.7	6.4	6.8	60.45	-46.1	121.6	133.6	120.6	12.95	10.318	
2,000.0	1,999.4	1,990.3	1,978.7	6.8	7.2	63.06	-50.3	132.6	142.8	129.2	13.61	10.498	
2,100.0	2,099.1	2,088.0	2,075.5	7.1	7.6	66.16	-55.5	145.2	153.4	139.1	14.28	10.740	
2,200.0	2,198.6	2,187.0	2,173.5	7.5	8.0	69.47	-60.9	158.1	164.0	149.0	14.98	10.947	
2,300.0	2,298.0	2,285.9	2,271.4	7.8	8.4	72.90	-66.4	171.0	174.5	158.9	15.68	11.129	
2,400.0	2,397.1	2,384.7	2,369.1	8.2	8.9	76.42	-71.8	183.8	185.3	168.9	16.40	11.299	
2,500.0	2,496.0	2,483.3	2,466.7	8.5	9.3	80.03	-77.2	196.7	196.4	179.3	17.13	11.468	
2,600.0	2,594.7	2,581.7	2,564.2	8.9	9.7	83.70	-82.6	209.5	208.0	190.2	17.87	11.643	
2,697.6	2,690.7	2,677.6	2,659.1	9.3	10.1	87.30	-87.9	222.0	220.1	201.5	18.61	11.827	
2,700.0	2,693.0	2,679.9	2,661.4	9.3	10.1	87.39	-88.0	222.3	220.4	201.8	18.63	11.832	
2,800.0	2,791.2	2,778.0	2,758.5	9.7	10.5	90.99	-93.4	235.0	233.7	214.3	19.41	12.042	
2,900.0	2,889.3	2,876.1	2,855.6	10.1	10.9	94.19	-98.8	247.8	247.8	227.6	20.19	12.271	
3,000.0	2,987.5	2,974.1	2,952.7	10.5	11.3	97.06	-104.2	260.6	262.6	241.6	20.99	12.510	
3,100.0	3,085.7	3,072.2	3,049.8	10.9	11.7	99.61	-109.5	273.4	277.9	256.1	21.79	12.755	
3,200.0	3,183.8	3,170.3	3,146.9	11.3	12.1	101.90	-114.9	286.1	293.8	271.2	22.60	13.001	
3,300.0	3,282.0	3,268.4	3,244.0	11.7	12.6	103.95	-120.3	298.9	310.0	286.6	23.41	13.247	
3,400.0	3,380.2	3,366.5	3,341.1	12.1	13.0	105.80	-125.7	311.7	326.7	302.5	24.22	13.488	
3,500.0	3,478.4	3,464.6	3,438.2	12.6	13.4	107.47	-131.1	324.5	343.6	318.6	25.03	13.725	
3,600.0	3,576.5	3,562.6	3,535.3	13.0	13.8	108.98	-136.5	337.2	360.8	334.9	25.85	13.957	
3,700.0	3,674.7	3,660.7	3,632.4	13.4	14.2	110.36	-141.9	350.0	378.2	351.5	26.67	14.181	
3,800.0	3,772.9	3,758.8	3,729.5	13.8	14.6	111.61	-147.2	362.8	395.8	368.3	27.49	14.399	
3,900.0	3,871.1	3,856.9	3,826.6	14.3	15.0	112.76	-152.6	375.5	413.5	385.2	28.31	14.610	
4,000.0	3,969.2	3,955.0	3,923.7	14.7	15.5	113.81	-158.0	388.3	431.5	402.3	29.13	14.814	
4,100.0	4,067.4	4,053.0	4,020.8	15.1	15.9	114.78	-163.4	401.1	449.5	419.6	29.95	15.010	
4,200.0	4,165.6	4,151.1	4,117.9	15.6	16.3	115.68	-168.8	413.9	467.7	436.9	30.77	15.200	
4,300.0	4,263.7	4,249.2	4,215.0	16.0	16.7	116.51	-174.2	426.6	485.9	454.4	31.59	15.383	
4,400.0	4,361.9	4,347.3	4,312.1	16.5	17.1	117.28	-179.6	439.4	504.3	471.9	32.41	15.560	
4,500.0	4,460.1	4,445.4	4,409.1	16.9	17.5	117.99	-185.0	452.2	522.7	489.5	33.23	15.729	
4,600.0	4,558.3	4,543.5	4,506.2	17.4	17.9	118.66	-190.3	465.0	541.3	507.2	34.06	15.893	
4,700.0	4,656.4	4,641.5	4,603.3	17.8	18.4	119.28	-195.7	477.7	559.8	525.0	34.88	16.051	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Altitude Plan #2

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	4,739.6	4,700.4	18.2	18.8	119.86	-201.1	490.5	578.5	542.8	35.70	16.203	
4,900.0	4,852.8	4,837.7	4,797.5	18.7	19.2	120.41	-206.5	503.3	597.2	560.6	36.52	16.350	
5,000.0	4,950.9	4,935.8	4,894.6	19.1	19.6	120.92	-211.9	516.1	615.9	578.6	37.35	16.492	
5,100.0	5,049.1	5,033.9	4,991.7	19.6	20.0	121.40	-217.3	528.8	634.7	596.5	38.17	16.628	
5,200.0	5,147.3	5,132.0	5,088.8	20.0	20.4	121.86	-222.7	541.6	653.5	614.5	38.99	16.760	
5,300.0	5,245.5	5,230.0	5,185.9	20.5	20.9	122.29	-228.0	554.4	672.4	632.6	39.82	16.887	
5,400.0	5,343.6	5,328.1	5,283.0	20.9	21.3	122.69	-233.4	567.1	691.3	650.7	40.64	17.010	
5,500.0	5,441.8	5,426.2	5,380.1	21.4	21.7	123.08	-238.8	579.9	710.2	668.8	41.47	17.128	
5,600.0	5,540.0	5,524.3	5,477.2	21.8	22.1	123.44	-244.2	592.7	729.2	686.9	42.29	17.243	
5,700.0	5,638.1	5,622.4	5,574.3	22.3	22.5	123.79	-249.6	605.5	748.2	705.1	43.11	17.354	
5,800.0	5,736.3	5,720.4	5,671.4	22.8	22.9	124.12	-255.0	618.2	767.2	723.3	43.94	17.461	
5,900.0	5,834.5	5,818.5	5,768.5	23.2	23.3	124.43	-260.4	631.0	786.2	741.5	44.76	17.565	
6,000.0	5,932.7	5,916.6	5,865.6	23.7	23.8	124.73	-265.7	643.8	805.3	759.7	45.59	17.665	
6,100.0	6,030.8	6,014.7	5,962.7	24.1	24.2	125.01	-271.1	656.6	824.4	778.0	46.41	17.763	
6,200.0	6,129.0	6,112.8	6,059.8	24.6	24.6	125.28	-276.5	669.3	843.5	796.2	47.24	17.857	
6,300.0	6,227.2	6,210.9	6,156.9	25.0	25.0	125.54	-281.9	682.1	862.6	814.5	48.06	17.948	
6,400.0	6,325.3	6,308.9	6,254.0	25.5	25.4	125.79	-287.3	694.9	881.7	832.8	48.88	18.037	
6,500.0	6,423.5	6,407.0	6,351.1	25.9	25.8	126.03	-292.7	707.6	900.9	851.2	49.71	18.123	
6,600.0	6,521.7	6,511.2	6,454.2	26.4	26.3	126.28	-298.3	721.0	919.9	869.4	50.58	18.187	
6,700.0	6,619.9	6,630.6	6,573.0	26.9	26.8	126.75	-303.4	733.0	937.4	885.8	51.54	18.187	
6,800.0	6,718.0	6,750.3	6,692.4	27.3	27.2	127.45	-306.5	740.4	952.6	900.2	52.44	18.164	
6,900.0	6,816.2	6,869.9	6,811.9	27.8	27.6	128.38	-307.7	743.2	965.8	912.5	53.28	18.125	
7,000.0	6,914.4	6,962.9	6,904.6	28.2	27.8	129.52	-308.7	737.8	978.2	924.3	53.95	18.133	
7,100.0	7,012.5	7,045.2	6,985.0	28.7	28.0	131.21	-312.0	720.8	992.2	937.8	54.48	18.213	
7,200.0	7,110.7	7,117.8	7,053.3	29.1	28.1	133.18	-316.6	696.6	1,009.1	954.2	54.87	18.390	
7,300.0	7,208.9	7,180.4	7,109.3	29.6	28.1	135.20	-321.8	669.1	1,029.9	974.8	55.09	18.693	
7,400.0	7,307.1	7,233.8	7,154.3	30.1	28.2	137.12	-327.2	641.0	1,055.4	1,000.3	55.11	19.152	
7,500.0	7,405.2	7,279.1	7,190.3	30.5	28.2	138.88	-332.3	614.0	1,086.4	1,031.4	54.90	19.787	
7,514.9	7,419.9	7,285.2	7,195.0	30.6	28.2	139.13	-333.1	610.1	1,091.5	1,036.6	54.85	19.898	
7,600.0	7,503.6	7,317.9	7,219.3	31.0	28.2	140.77	-337.2	588.7	1,122.2	1,067.7	54.47	20.602	
7,700.0	7,602.4	7,350.0	7,242.0	31.4	28.2	142.49	-341.4	566.4	1,161.8	1,108.0	53.81	21.591	
7,800.0	7,701.5	7,382.1	7,263.4	31.8	28.2	144.24	-345.9	542.8	1,205.1	1,152.1	53.00	22.736	
7,900.0	7,801.0	7,409.1	7,280.2	32.2	28.2	145.80	-349.9	522.2	1,251.7	1,199.7	52.02	24.062	
8,000.0	7,900.7	7,433.4	7,294.6	32.6	28.2	147.26	-353.5	502.9	1,301.4	1,250.5	50.91	25.562	
8,100.0	8,000.5	7,450.0	7,303.9	32.9	28.2	148.42	-356.1	489.4	1,354.0	1,304.3	49.65	27.271	
8,200.0	8,100.5	7,475.8	7,317.6	33.2	28.3	149.94	-360.2	467.9	1,409.1	1,360.6	48.45	29.080	
8,246.5	8,147.0	7,484.7	7,322.0	33.4	28.3	-167.15	-361.6	460.4	1,435.5	1,387.6	47.85	29.999	
8,250.0	8,150.5	7,485.3	7,322.4	33.4	28.3	-77.32	-361.7	459.8	1,437.5	1,389.7	47.80	30.070	
8,300.0	8,200.4	7,500.0	7,329.5	33.5	28.3	-73.39	-364.1	447.2	1,466.2	1,419.0	47.21	31.060	
8,350.0	8,249.9	7,500.0	7,329.5	33.6	28.3	-70.07	-364.1	447.2	1,494.9	1,448.5	46.44	32.191	
8,400.0	8,298.7	7,517.0	7,337.3	33.7	28.3	-66.37	-367.0	432.4	1,523.3	1,477.4	45.89	33.197	
8,450.0	8,346.2	7,528.8	7,342.5	33.8	28.3	-63.05	-369.0	421.9	1,551.0	1,505.7	45.29	34.249	
8,500.0	8,392.3	7,550.0	7,351.2	33.9	28.3	-59.80	-372.6	403.0	1,578.1	1,533.3	44.81	35.214	
8,550.0	8,436.5	7,550.0	7,351.2	33.9	28.3	-57.21	-372.6	403.0	1,604.0	1,559.8	44.14	36.339	
8,600.0	8,478.5	7,567.1	7,357.8	34.0	28.3	-54.60	-375.6	387.4	1,628.7	1,585.0	43.70	37.275	
8,650.0	8,518.0	7,580.7	7,362.6	34.0	28.3	-52.31	-377.9	375.0	1,652.1	1,608.9	43.26	38.194	
8,700.0	8,554.6	7,600.0	7,369.0	34.0	28.4	-50.25	-381.3	357.1	1,674.0	1,631.1	42.93	38.997	
8,750.0	8,588.1	7,600.0	7,369.0	34.0	28.4	-48.57	-381.3	357.1	1,694.2	1,651.8	42.48	39.884	
8,800.0	8,618.3	7,622.7	7,375.7	33.9	28.4	-46.99	-385.4	335.8	1,712.6	1,670.3	42.32	40.470	
8,850.0	8,644.9	7,650.0	7,382.6	33.9	28.4	-45.66	-390.3	309.9	1,729.2	1,687.0	42.26	40.923	
8,900.0	8,667.7	7,650.0	7,382.6	33.9	28.4	-44.60	-390.3	309.9	1,743.6	1,701.5	42.06	41.452	
8,950.0	8,686.6	7,666.3	7,386.1	33.9	28.5	-43.72	-393.3	294.2	1,756.1	1,714.0	42.09	41.718	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Altitude Plan #2 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.0	8,701.3	7,681.0	7,388.9	33.9	28.5	-43.03	-396.0	280.0	1,766.4	1,724.2	42.20	41.853	
9,050.0	8,711.8	7,700.0	7,392.0	33.9	28.6	-42.54	-399.5	261.6	1,774.6	1,732.1	42.43	41.819	
9,100.0	8,718.1	7,700.0	7,392.0	33.9	28.6	-42.13	-399.5	261.6	1,780.6	1,737.9	42.66	41.743	
9,146.5	8,720.0	7,724.2	7,394.9	33.9	28.6	-42.04	-404.0	238.1	1,784.0	1,740.9	43.08	41.409	
9,200.0	8,720.0	7,750.0	7,397.0	34.1	28.7	-42.20	-408.9	212.8	1,787.6	1,744.0	43.61	40.989	
9,300.0	8,720.0	7,769.5	7,397.8	34.5	28.8	-42.31	-412.5	193.6	1,797.1	1,752.5	44.59	40.300	
9,400.0	8,720.0	7,829.3	7,397.2	35.2	29.1	-42.57	-423.5	134.9	1,810.4	1,764.5	45.85	39.482	
9,500.0	8,720.0	8,003.9	7,394.2	36.2	30.4	-43.12	-448.8	-37.8	1,822.1	1,774.4	47.69	38.206	
9,600.0	8,720.0	8,181.2	7,391.1	37.3	32.4	-43.42	-463.6	-214.4	1,829.7	1,779.7	49.92	36.653	
9,700.0	8,720.0	8,359.8	7,387.9	38.6	34.8	-43.48	-467.5	-392.9	1,833.0	1,780.6	52.39	34.990	
9,800.0	8,720.0	8,457.8	7,386.2	39.9	36.3	-43.44	-466.8	-490.9	1,834.2	1,779.8	54.47	33.671	
9,900.0	8,720.0	8,557.7	7,384.5	41.4	38.0	-43.40	-466.0	-590.9	1,835.5	1,778.8	56.71	32.367	
10,000.0	8,720.0	8,657.7	7,382.7	43.0	39.6	-43.36	-465.2	-690.8	1,836.8	1,777.7	59.07	31.096	
10,100.0	8,720.0	8,757.7	7,381.0	44.6	41.4	-43.33	-464.4	-790.8	1,838.0	1,776.5	61.54	29.869	
10,200.0	8,720.0	8,857.7	7,379.2	46.3	43.2	-43.29	-463.6	-890.8	1,839.3	1,775.2	64.10	28.694	
10,300.0	8,720.0	8,957.7	7,377.5	48.1	45.1	-43.25	-462.9	-990.7	1,840.5	1,773.8	66.75	27.574	
10,400.0	8,720.0	9,057.7	7,375.7	50.0	47.1	-43.21	-462.1	-1,090.7	1,841.8	1,772.3	69.47	26.511	
10,500.0	8,720.0	9,157.7	7,374.0	51.8	49.0	-43.18	-461.3	-1,190.7	1,843.1	1,770.8	72.26	25.505	
10,600.0	8,720.0	9,257.6	7,372.2	53.8	51.1	-43.14	-460.5	-1,290.6	1,844.4	1,769.2	75.11	24.556	
10,700.0	8,720.0	9,357.6	7,370.5	55.8	53.1	-43.10	-459.7	-1,390.6	1,845.6	1,767.6	78.01	23.660	
10,800.0	8,720.0	9,457.6	7,368.7	57.8	55.2	-43.06	-459.0	-1,490.6	1,846.9	1,765.9	80.95	22.816	
10,900.0	8,720.0	9,557.6	7,367.0	59.8	57.3	-43.03	-458.2	-1,590.5	1,848.2	1,764.2	83.93	22.021	
11,000.0	8,720.0	9,657.6	7,365.2	61.9	59.5	-42.99	-457.4	-1,690.5	1,849.4	1,762.5	86.94	21.272	
11,100.0	8,720.0	9,757.6	7,363.5	64.0	61.6	-42.95	-456.6	-1,790.5	1,850.7	1,760.7	89.99	20.565	
11,200.0	8,720.0	9,857.5	7,361.7	66.1	63.8	-42.91	-455.8	-1,890.4	1,852.0	1,758.9	93.07	19.900	
11,300.0	8,720.0	9,957.5	7,360.0	68.2	66.0	-42.88	-455.1	-1,990.4	1,853.3	1,757.1	96.16	19.272	
11,400.0	8,720.0	10,057.5	7,358.2	70.4	68.3	-42.84	-454.3	-2,090.4	1,854.5	1,755.2	99.29	18.679	
11,500.0	8,720.0	10,157.5	7,356.5	72.6	70.5	-42.80	-453.5	-2,190.3	1,855.8	1,753.4	102.43	18.119	
11,600.0	8,720.0	10,257.5	7,354.7	74.8	72.8	-42.77	-452.7	-2,290.3	1,857.1	1,751.5	105.58	17.589	
11,700.0	8,720.0	10,357.5	7,353.0	77.0	75.0	-42.73	-451.9	-2,390.3	1,858.4	1,749.6	108.76	17.087	
11,800.0	8,720.0	10,457.5	7,351.2	79.2	77.3	-42.69	-451.2	-2,490.2	1,859.6	1,747.7	111.94	16.612	
11,900.0	8,720.0	10,557.4	7,349.5	81.5	79.6	-42.66	-450.4	-2,590.2	1,860.9	1,745.8	115.14	16.162	
12,000.0	8,720.0	10,657.4	7,347.7	83.7	81.9	-42.62	-449.6	-2,690.1	1,862.2	1,743.8	118.35	15.734	
12,100.0	8,720.0	10,757.4	7,346.0	86.0	84.2	-42.58	-448.8	-2,790.1	1,863.5	1,741.9	121.57	15.328	
12,200.0	8,720.0	10,857.4	7,344.2	88.3	86.5	-42.55	-448.0	-2,890.1	1,864.8	1,740.0	124.80	14.942	
12,300.0	8,720.0	10,957.4	7,342.5	90.5	88.8	-42.51	-447.3	-2,990.0	1,866.0	1,738.0	128.03	14.575	
12,400.0	8,720.0	11,057.4	7,340.7	92.8	91.1	-42.47	-446.5	-3,090.0	1,867.3	1,736.0	131.28	14.224	
12,500.0	8,720.0	11,157.3	7,339.0	95.1	93.5	-42.44	-445.7	-3,190.0	1,868.6	1,734.1	134.53	13.890	
12,600.0	8,720.0	11,257.3	7,337.2	97.4	95.8	-42.40	-444.9	-3,289.9	1,869.9	1,732.1	137.78	13.572	
12,700.0	8,720.0	11,357.3	7,335.5	99.8	98.2	-42.36	-444.1	-3,389.9	1,871.2	1,730.1	141.04	13.267	
12,800.0	8,720.0	11,457.3	7,333.7	102.1	100.5	-42.33	-443.4	-3,489.9	1,872.5	1,728.2	144.30	12.976	
12,900.0	8,720.0	11,557.3	7,332.0	104.4	102.9	-42.29	-442.6	-3,589.8	1,873.7	1,726.2	147.57	12.698	
13,000.0	8,720.0	11,657.3	7,330.2	106.7	105.2	-42.25	-441.8	-3,689.8	1,875.0	1,724.2	150.84	12.431	
13,100.0	8,720.0	11,757.3	7,328.5	109.1	107.6	-42.22	-441.0	-3,789.8	1,876.3	1,722.2	154.11	12.175	
13,200.0	8,720.0	11,857.2	7,326.7	111.4	109.9	-42.18	-440.2	-3,889.7	1,877.6	1,720.2	157.38	11.930	
13,300.0	8,720.0	11,957.2	7,325.0	113.8	112.3	-42.15	-439.5	-3,989.7	1,878.9	1,718.2	160.66	11.695	
13,400.0	8,720.0	12,057.2	7,323.2	116.1	114.7	-42.11	-438.7	-4,089.7	1,880.2	1,716.3	163.94	11.469	
13,500.0	8,720.0	12,157.2	7,321.5	118.5	117.1	-42.07	-437.9	-4,189.6	1,881.5	1,714.3	167.21	11.252	
13,600.0	8,720.0	12,257.2	7,319.7	120.8	119.4	-42.04	-437.1	-4,289.6	1,882.8	1,712.3	170.49	11.043	
13,700.0	8,720.0	12,357.2	7,318.0	123.2	121.8	-42.00	-436.3	-4,389.6	1,884.1	1,710.3	173.77	10.842	
13,800.0	8,720.0	12,457.1	7,316.2	125.6	124.2	-41.97	-435.6	-4,489.5	1,885.4	1,708.3	177.05	10.648	
13,900.0	8,720.0	12,557.1	7,314.5	127.9	126.6	-41.93	-434.8	-4,589.5	1,886.7	1,706.3	180.34	10.462	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Altitude Plan #2

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.0	8,720.0	12,657.1	7,312.7	130.3	129.0	-41.89	-434.0	-4,689.5	1,887.9	1,704.3	183.62	10.282	
14,100.0	8,720.0	12,757.1	7,311.0	132.7	131.4	-41.86	-433.2	-4,789.4	1,889.2	1,702.3	186.90	10.108	
14,200.0	8,720.0	12,857.1	7,309.2	135.1	133.8	-41.82	-432.4	-4,889.4	1,890.5	1,700.4	190.18	9.941	
14,300.0	8,720.0	12,957.1	7,307.5	137.4	136.2	-41.79	-431.7	-4,989.4	1,891.8	1,698.4	193.46	9.779	
14,400.0	8,720.0	13,057.1	7,305.7	139.8	138.6	-41.75	-430.9	-5,089.3	1,893.1	1,696.4	196.74	9.623	
14,500.0	8,720.0	13,157.0	7,304.0	142.2	141.0	-41.72	-430.1	-5,189.3	1,894.4	1,694.4	200.01	9.472	
14,600.0	8,720.0	13,257.0	7,302.2	144.6	143.4	-41.68	-429.3	-5,289.3	1,895.7	1,692.4	203.29	9.325	
14,700.0	8,720.0	13,404.1	7,299.7	147.0	146.9	-41.59	-426.3	-5,436.3	1,896.3	1,689.3	207.06	9.158	
14,800.0	8,720.0	13,584.9	7,296.8	149.4	151.3	-41.25	-412.6	-5,616.5	1,893.0	1,682.8	210.24	9.004	
14,900.0	8,720.0	13,763.4	7,294.1	151.8	155.5	-40.66	-387.9	-5,793.3	1,885.5	1,673.3	212.19	8.886	
15,000.0	8,720.0	13,876.8	7,292.6	154.2	158.2	-40.18	-367.6	-5,904.8	1,875.3	1,661.4	213.94	8.765	
15,100.0	8,720.0	13,975.3	7,291.2	156.6	160.5	-39.75	-349.8	-6,001.7	1,865.2	1,649.4	215.76	8.645	
15,200.0	8,720.0	14,073.8	7,289.9	159.0	162.9	-39.31	-332.1	-6,098.6	1,855.1	1,637.6	217.52	8.529	
15,300.0	8,720.0	14,172.3	7,288.5	161.4	165.2	-38.88	-314.3	-6,195.4	1,845.2	1,626.0	219.20	8.418	
15,400.0	8,720.0	14,270.8	7,287.1	163.8	167.5	-38.43	-296.5	-6,292.3	1,835.4	1,614.5	220.82	8.312	
15,500.0	8,720.0	14,348.8	7,286.1	166.2	169.4	-38.09	-282.9	-6,369.1	1,826.1	1,603.4	222.66	8.201	
15,600.0	8,720.0	14,419.8	7,285.1	168.6	171.1	-37.82	-272.2	-6,439.2	1,818.3	1,593.6	224.66	8.093	
15,700.0	8,720.0	14,491.2	7,284.1	171.0	172.8	-37.59	-263.2	-6,510.1	1,812.1	1,585.4	226.75	7.992	
15,800.0	8,720.0	14,563.1	7,283.1	173.4	174.5	-37.40	-256.0	-6,581.6	1,807.5	1,578.6	228.93	7.896	
15,900.0	8,720.0	14,635.2	7,282.1	175.8	176.3	-37.26	-250.5	-6,653.5	1,804.5	1,573.3	231.22	7.804	
16,000.0	8,720.0	14,707.5	7,281.1	178.2	178.0	-37.16	-246.8	-6,725.7	1,803.0	1,569.4	233.63	7.717	
16,047.7	8,720.0	14,742.1	7,280.6	179.4	178.9	-37.13	-245.7	-6,760.3	1,802.8	1,568.0	234.83	7.677	
16,100.0	8,720.0	14,780.0	7,280.0	180.6	179.8	-37.11	-244.9	-6,798.1	1,803.0	1,566.9	236.18	7.634	
16,200.0	8,720.0	14,852.4	7,279.0	183.0	181.5	-37.10	-244.9	-6,870.6	1,804.6	1,565.7	238.85	7.555	
16,300.0	8,720.0	14,924.8	7,278.0	185.5	183.3	-37.14	-246.7	-6,942.9	1,807.7	1,566.0	241.66	7.480	
16,400.0	8,720.0	15,000.0	7,277.0	187.9	185.1	-37.23	-250.5	-7,018.0	1,812.3	1,567.6	244.70	7.406	
16,500.0	8,720.0	15,069.0	7,276.0	190.3	186.8	-37.36	-255.8	-7,086.8	1,818.4	1,570.7	247.70	7.341	
16,600.0	8,720.0	15,140.6	7,275.0	192.7	188.5	-37.53	-263.0	-7,158.1	1,826.1	1,575.2	250.92	7.278	
16,700.0	8,720.0	15,211.9	7,274.0	195.1	190.2	-37.75	-271.9	-7,228.7	1,835.4	1,581.1	254.26	7.218	
16,800.0	8,720.0	15,282.5	7,273.0	197.5	191.8	-38.00	-282.4	-7,298.6	1,846.2	1,588.5	257.71	7.164	
16,900.0	8,720.0	15,377.2	7,271.7	200.0	194.1	-38.38	-298.0	-7,392.0	1,858.0	1,595.6	262.39	7.081	
17,000.0	8,720.0	15,475.7	7,270.4	202.4	196.4	-38.76	-314.3	-7,489.1	1,870.0	1,602.7	267.26	6.997	
17,100.0	8,720.0	15,574.2	7,269.0	204.8	198.7	-39.14	-330.6	-7,586.2	1,882.0	1,609.8	272.15	6.915	
17,200.0	8,720.0	15,672.7	7,267.7	207.2	201.0	-39.52	-346.8	-7,683.4	1,894.1	1,617.0	277.05	6.837	
17,300.0	8,720.0	15,771.2	7,266.3	209.6	203.3	-39.89	-363.1	-7,780.5	1,906.3	1,624.3	281.96	6.761	
17,400.0	8,720.0	15,929.9	7,264.1	212.1	207.1	-40.40	-386.0	-7,937.6	1,917.3	1,627.9	289.36	6.626	
17,500.0	8,720.0	16,107.2	7,261.7	214.5	211.3	-40.74	-401.3	-8,114.1	1,924.5	1,628.3	296.17	6.498	
17,600.0	8,720.0	16,285.9	7,259.3	216.9	215.7	-40.82	-405.7	-8,292.7	1,927.6	1,626.2	301.43	6.395	
17,700.0	8,720.0	16,387.3	7,257.9	219.3	218.2	-40.79	-404.9	-8,394.1	1,928.7	1,623.9	304.71	6.329	
17,800.0	8,720.0	16,487.3	7,256.5	221.8	220.6	-40.77	-404.2	-8,494.1	1,929.7	1,621.7	307.96	6.266	
17,900.0	8,720.0	16,587.3	7,255.2	224.2	223.0	-40.74	-403.4	-8,594.1	1,930.7	1,619.5	311.21	6.204	
18,000.0	8,720.0	16,687.3	7,253.8	226.6	225.4	-40.71	-402.6	-8,694.0	1,931.7	1,617.3	314.46	6.143	
18,100.0	8,720.0	16,787.2	7,252.5	229.1	227.9	-40.69	-401.8	-8,794.0	1,932.7	1,615.0	317.71	6.083	
18,200.0	8,720.0	16,887.2	7,251.1	231.5	230.3	-40.66	-401.1	-8,894.0	1,933.8	1,612.8	320.95	6.025	
18,300.0	8,720.0	16,987.2	7,249.8	233.9	232.7	-40.63	-400.3	-8,994.0	1,934.8	1,610.6	324.20	5.968	
18,400.0	8,720.0	17,087.2	7,248.4	236.3	235.2	-40.61	-399.5	-9,094.0	1,935.8	1,608.4	327.44	5.912	
18,500.0	8,720.0	17,187.2	7,247.0	238.8	237.6	-40.58	-398.8	-9,193.9	1,936.8	1,606.2	330.68	5.857	
18,600.0	8,720.0	17,287.2	7,245.7	241.2	240.1	-40.56	-398.0	-9,293.9	1,937.9	1,604.0	333.91	5.804	
18,700.0	8,720.0	17,387.2	7,244.3	243.6	242.5	-40.53	-397.2	-9,393.9	1,938.9	1,601.8	337.14	5.751	
18,800.0	8,720.0	17,487.2	7,243.0	246.1	244.9	-40.50	-396.4	-9,493.9	1,939.9	1,599.5	340.38	5.699	
18,900.0	8,720.0	17,587.2	7,241.6	248.5	247.4	-40.48	-395.7	-9,593.8	1,940.9	1,597.3	343.61	5.649	
19,000.0	8,720.0	17,687.2	7,240.3	250.9	249.8	-40.45	-394.9	-9,693.8	1,942.0	1,595.1	346.83	5.599	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Altitude Plan #2

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.0	8,720.0	17,787.2	7,238.9	253.4	252.2	-40.43	-394.1	-9,793.8	1,943.0	1,592.9	350.06	5.551	
19,176.7	8,720.0	17,863.9	7,237.9	255.2	254.1	-40.41	-393.5	-9,870.5	1,943.8	1,591.3	352.53	5.514	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Altitude Plan #3 (ST) — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-0.06	30.5	0.0	30.6				
100.0	100.0	98.1	98.1	0.1	0.1	-0.43	30.4	-0.2	30.4	30.1	0.25	119.566	
200.0	200.0	198.1	198.1	0.5	0.5	-1.61	30.0	-0.8	30.0	29.1	0.97	31.048	
300.0	300.0	298.4	298.4	0.8	0.8	-3.02	29.2	-1.5	29.3	27.6	1.69	17.345	
400.0	400.0	398.6	398.6	1.2	1.2	144.26	27.3	-3.0	28.1	25.7	2.39	11.764	
424.5	424.5	423.2	423.2	1.3	1.3	143.54	26.7	-3.6	28.0	25.4	2.56	10.923	
500.0	500.0	499.0	498.9	1.5	1.6	140.62	24.2	-5.7	27.2	24.1	3.09	8.776	
600.0	599.9	599.3	599.0	1.9	1.9	135.35	19.6	-8.7	24.8	21.0	3.81	6.507	
700.0	699.9	699.1	698.6	2.2	2.3	129.19	14.5	-11.4	22.2	17.6	4.52	4.902	
800.0	799.9	798.9	798.5	2.6	2.7	131.16	12.2	-11.6	21.5	16.2	5.22	4.109	
900.0	899.9	899.4	898.7	2.9	3.0	147.92	9.1	-6.5	19.2	13.3	5.91	3.246	
957.2	957.0	956.4	955.4	3.1	3.2	166.22	6.4	-1.3	18.3	12.0	6.30	2.906	CC, ES
1,000.0	999.9	999.0	997.8	3.3	3.3	-178.71	4.1	2.9	18.9	12.3	6.61	2.862	SF
1,100.0	1,099.8	1,098.6	1,096.7	3.7	3.7	-149.85	-2.1	12.6	23.8	16.5	7.33	3.252	
1,200.0	1,199.8	1,196.5	1,193.6	4.0	4.1	-130.11	-10.1	23.6	33.6	25.5	8.03	4.179	
1,300.0	1,299.8	1,294.2	1,290.0	4.4	4.4	-121.08	-17.0	38.6	49.6	40.8	8.72	5.686	
1,400.0	1,399.8	1,393.0	1,387.3	4.7	4.8	-116.71	-23.6	54.1	66.5	57.1	9.42	7.057	
1,475.7	1,475.5	1,468.5	1,461.7	5.0	5.1	-114.48	-28.9	65.2	78.8	68.8	9.97	7.904	
1,500.0	1,499.7	1,492.7	1,485.7	5.1	5.2	-113.87	-30.6	68.6	82.6	72.4	10.15	8.138	
1,600.3	1,600.0	1,591.5	1,583.3	5.4	5.6	98.67	-36.6	82.5	97.7	86.9	10.84	9.013	
1,700.0	1,699.7	1,691.4	1,682.1	5.8	6.0	57.66	-40.8	96.6	111.8	100.2	11.54	9.688	
1,800.0	1,799.7	1,792.4	1,782.2	6.1	6.4	59.37	-44.7	109.4	123.7	111.4	12.24	10.101	
1,900.0	1,899.6	1,893.3	1,882.4	6.4	6.8	61.49	-48.4	120.6	133.2	120.3	12.94	10.291	
2,000.0	1,999.4	1,986.8	1,975.0	6.8	7.2	64.03	-53.0	132.6	144.0	130.5	13.57	10.618	
2,100.0	2,099.1	2,084.5	2,071.5	7.1	7.6	67.37	-59.8	146.8	156.9	142.6	14.24	11.014	
2,200.0	2,198.6	2,184.5	2,170.1	7.5	8.1	71.09	-67.5	160.8	169.5	154.6	14.96	11.333	
2,300.0	2,298.0	2,283.1	2,267.5	7.8	8.5	74.88	-75.3	174.1	181.9	166.3	15.66	11.617	
2,400.0	2,397.1	2,381.1	2,364.3	8.2	8.9	78.79	-83.6	187.2	194.9	178.5	16.37	11.905	
2,500.0	2,496.0	2,479.8	2,461.8	8.5	9.3	82.52	-91.4	200.7	208.4	191.3	17.11	12.183	
2,600.0	2,594.7	2,579.6	2,560.4	8.9	9.8	86.19	-98.7	214.0	222.1	204.2	17.87	12.427	
2,697.6	2,690.7	2,677.8	2,657.6	9.3	10.2	89.80	-105.4	226.4	235.2	216.6	18.64	12.623	
2,700.0	2,693.0	2,680.2	2,660.0	9.3	10.2	89.89	-105.5	226.7	235.6	216.9	18.65	12.627	
2,800.0	2,791.2	2,780.0	2,759.0	9.7	10.6	93.51	-111.6	238.3	248.9	229.5	19.45	12.800	
2,900.0	2,889.3	2,874.8	2,852.9	10.1	11.0	96.53	-117.2	249.6	263.1	242.9	20.20	13.025	
3,000.0	2,987.5	2,969.6	2,946.5	10.5	11.4	98.75	-122.6	263.9	279.8	258.8	20.96	13.347	
3,100.0	3,085.7	3,068.7	3,044.1	10.9	11.8	100.62	-127.8	279.6	296.9	275.1	21.78	13.635	
3,200.0	3,183.8	3,168.4	3,142.5	11.3	12.3	102.33	-132.8	295.0	313.9	291.3	22.60	13.890	
3,300.0	3,282.0	3,268.7	3,241.5	11.7	12.7	103.90	-137.4	310.0	330.5	307.1	23.43	14.107	
3,400.0	3,380.2	3,368.8	3,340.5	12.1	13.1	105.40	-141.8	324.3	346.8	322.6	24.26	14.294	
3,500.0	3,478.4	3,469.1	3,439.9	12.6	13.5	106.84	-145.9	337.9	362.8	337.7	25.10	14.456	
3,600.0	3,576.5	3,571.5	3,541.3	13.0	14.0	108.29	-149.8	350.9	378.2	352.3	25.95	14.577	
3,700.0	3,674.7	3,673.4	3,642.5	13.4	14.4	109.73	-153.1	362.6	392.8	366.1	26.79	14.664	
3,800.0	3,772.9	3,773.2	3,741.7	13.8	14.8	111.12	-156.1	373.3	407.1	379.5	27.61	14.742	
3,900.0	3,871.1	3,859.1	3,826.9	14.3	15.1	112.25	-159.7	383.0	423.0	394.6	28.34	14.925	
4,000.0	3,969.2	3,955.8	3,922.8	14.7	15.5	113.39	-165.2	394.8	440.6	411.5	29.15	15.119	
4,100.0	4,067.4	4,058.4	4,024.5	15.1	15.9	114.52	-170.7	407.1	458.1	428.1	30.00	15.268	
4,200.0	4,165.6	4,158.7	4,124.0	15.6	16.4	115.63	-175.6	418.2	475.0	444.2	30.83	15.405	
4,300.0	4,263.7	4,258.4	4,223.1	16.0	16.8	116.72	-180.1	428.4	491.4	459.7	31.66	15.522	
4,400.0	4,361.9	4,346.5	4,310.5	16.5	17.1	117.52	-184.8	438.7	509.1	476.7	32.39	15.717	
4,500.0	4,460.1	4,440.2	4,403.2	16.9	17.5	118.19	-190.6	451.2	528.3	495.1	33.18	15.924	
4,600.0	4,558.3	4,539.1	4,500.9	17.4	17.9	118.80	-196.8	464.7	547.8	513.8	34.01	16.108	
4,700.0	4,656.4	4,637.2	4,597.9	17.8	18.4	119.38	-202.9	478.0	567.3	532.4	34.83	16.285	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Altitude Plan #3 (ST)

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	4,736.3	4,696.0	18.2	18.8	119.95	-209.0	491.3	586.7	551.0	35.67	16.448	
4,900.0	4,852.8	4,836.2	4,794.9	18.7	19.2	120.54	-215.2	504.0	605.9	569.4	36.51	16.598	
5,000.0	4,950.9	4,937.1	4,894.9	19.1	19.6	121.15	-221.1	516.1	624.7	587.4	37.35	16.727	
5,100.0	5,049.1	5,038.1	4,994.9	19.6	20.1	121.59	-226.2	529.7	643.2	605.0	38.20	16.840	
5,200.0	5,147.3	5,143.3	5,099.0	20.0	20.5	122.02	-230.8	543.7	661.1	622.0	39.08	16.918	
5,300.0	5,245.5	5,249.7	5,204.5	20.5	20.9	122.45	-234.2	557.1	677.7	637.8	39.96	16.961	
5,400.0	5,343.6	5,342.5	5,296.4	20.9	21.3	122.75	-236.7	569.5	694.1	653.3	40.75	17.034	
5,500.0	5,441.8	5,437.0	5,389.9	21.4	21.7	123.00	-240.2	582.9	711.5	669.9	41.55	17.123	
5,600.0	5,540.0	5,535.6	5,487.3	21.8	22.2	123.21	-243.7	597.3	729.0	686.6	42.39	17.200	
5,700.0	5,638.1	5,634.4	5,585.1	22.3	22.6	123.43	-247.3	611.5	746.5	703.3	43.22	17.271	
5,800.0	5,736.3	5,736.8	5,686.4	22.8	23.0	123.67	-250.9	625.8	763.8	719.7	44.09	17.325	
5,900.0	5,834.5	5,838.2	5,786.9	23.2	23.4	123.95	-254.1	639.3	780.6	735.7	44.94	17.371	
6,000.0	5,932.7	5,937.1	5,884.9	23.7	23.8	124.25	-257.1	651.9	797.2	751.4	45.77	17.419	
6,100.0	6,030.8	6,027.0	5,974.0	24.1	24.2	124.51	-260.3	663.3	814.4	767.8	46.53	17.502	
6,200.0	6,129.0	6,134.7	6,080.8	24.6	24.7	124.87	-264.3	676.3	831.5	784.0	47.42	17.534	
6,300.0	6,227.2	6,234.2	6,179.7	25.0	25.1	125.25	-267.5	687.3	848.0	799.8	48.24	17.578	
6,400.0	6,325.3	6,336.6	6,281.5	25.5	25.5	125.66	-270.7	697.9	864.3	815.2	49.08	17.611	
6,500.0	6,423.5	6,439.1	6,383.6	25.9	25.9	126.19	-273.8	706.6	880.2	830.3	49.90	17.638	
6,600.0	6,521.7	6,543.3	6,487.5	26.4	26.2	126.79	-276.7	714.0	895.7	845.0	50.73	17.657	
6,700.0	6,619.9	6,647.2	6,591.2	26.9	26.6	127.46	-279.0	720.0	910.5	858.9	51.54	17.667	
6,800.0	6,718.0	6,751.5	6,695.4	27.3	27.0	128.17	-281.1	724.7	925.0	872.6	52.33	17.674	
6,900.0	6,816.2	6,861.1	6,804.8	27.8	27.3	129.16	-282.8	725.3	938.6	885.5	53.12	17.671	
7,000.0	6,914.4	6,938.5	6,881.2	28.2	27.5	130.55	-285.8	713.9	953.1	899.4	53.65	17.764	
7,100.0	7,012.5	7,035.4	6,972.3	28.7	27.6	133.30	-292.0	681.5	969.6	915.4	54.13	17.913	
7,200.0	7,110.7	7,090.6	7,021.2	29.1	27.7	135.19	-295.9	656.4	989.1	934.8	54.32	18.209	
7,300.0	7,208.9	7,139.0	7,061.9	29.6	27.7	137.02	-300.9	630.7	1,014.6	960.3	54.30	18.685	
7,400.0	7,307.1	7,175.0	7,090.5	30.1	27.7	138.48	-305.4	609.3	1,046.1	992.1	53.99	19.376	
7,500.0	7,405.2	7,200.0	7,109.2	30.5	27.7	139.54	-309.0	593.1	1,084.0	1,030.6	53.38	20.307	
7,514.9	7,419.9	7,206.3	7,113.7	30.6	27.7	139.81	-309.9	588.9	1,090.2	1,036.9	53.30	20.454	
7,600.0	7,503.6	7,228.2	7,129.1	31.0	27.8	141.16	-313.4	573.7	1,127.3	1,074.7	52.62	21.424	
7,700.0	7,602.4	7,250.0	7,143.7	31.4	27.8	142.61	-317.1	557.9	1,174.5	1,122.9	51.64	22.745	
7,800.0	7,701.5	7,286.9	7,167.6	31.8	27.8	144.69	-323.9	530.6	1,224.9	1,174.2	50.74	24.141	
7,900.0	7,801.0	7,314.7	7,184.9	32.2	27.8	146.36	-329.3	509.5	1,278.2	1,228.5	49.67	25.731	
8,000.0	7,900.7	7,345.6	7,203.5	32.6	27.8	148.14	-335.6	485.6	1,333.9	1,285.3	48.62	27.437	
8,100.0	8,000.5	7,380.5	7,223.8	32.9	27.8	150.02	-342.9	458.2	1,391.5	1,343.9	47.61	29.230	
8,200.0	8,100.5	7,414.5	7,243.1	33.2	27.8	151.80	-350.2	431.2	1,450.7	1,404.1	46.58	31.140	
8,246.5	8,147.0	7,423.0	7,247.8	33.4	27.8	-165.33	-352.0	424.4	1,478.7	1,432.7	46.01	32.139	
8,250.0	8,150.5	7,423.0	7,247.8	33.4	27.8	-75.51	-352.0	424.4	1,480.8	1,434.8	45.96	32.222	
8,300.0	8,200.4	7,439.2	7,256.6	33.5	27.8	-71.34	-355.6	411.3	1,511.0	1,465.5	45.44	33.255	
8,350.0	8,249.9	7,450.0	7,262.3	33.6	27.8	-67.53	-358.0	402.4	1,540.9	1,496.0	44.84	34.362	
8,400.0	8,298.7	7,450.0	7,262.3	33.7	27.8	-64.20	-358.0	402.4	1,570.4	1,526.3	44.11	35.604	
8,450.0	8,346.2	7,476.2	7,275.6	33.8	27.9	-60.56	-363.9	380.6	1,598.8	1,555.1	43.77	36.531	
8,500.0	8,392.3	7,500.0	7,286.9	33.9	27.9	-57.36	-369.5	360.4	1,626.5	1,583.1	43.41	37.472	
8,550.0	8,436.5	7,500.0	7,286.9	33.9	27.9	-54.80	-369.5	360.4	1,652.8	1,610.0	42.75	38.661	
8,600.0	8,478.5	7,517.0	7,294.5	34.0	27.9	-52.31	-373.6	345.8	1,677.7	1,635.3	42.36	39.602	
8,650.0	8,518.0	7,544.1	7,306.1	34.0	28.0	-50.08	-380.0	322.2	1,700.9	1,658.8	42.16	40.347	
8,700.0	8,554.6	7,570.2	7,316.7	34.0	28.0	-48.19	-386.1	299.1	1,722.2	1,680.2	41.98	41.026	
8,750.0	8,588.1	7,600.0	7,328.2	34.0	28.1	-46.59	-392.7	272.4	1,741.3	1,699.4	41.89	41.568	
8,800.0	8,618.3	7,623.9	7,336.9	33.9	28.2	-45.28	-397.9	250.7	1,758.1	1,716.3	41.79	42.065	
8,850.0	8,644.9	7,650.0	7,345.9	33.9	28.3	-44.23	-403.2	226.8	1,772.5	1,730.7	41.79	42.417	
8,900.0	8,667.7	7,680.0	7,355.4	33.9	28.4	-43.42	-409.0	199.0	1,784.5	1,742.6	41.90	42.589	
8,950.0	8,686.6	7,709.5	7,364.0	33.9	28.6	-42.84	-414.3	171.3	1,794.0	1,751.9	42.08	42.636	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Altitude Plan #3 (ST)

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.0	8,701.3	7,759.2	7,377.4	33.9	28.9	-42.56	-422.3	124.1	1,800.5	1,758.0	42.55	42.317	
9,050.0	8,711.8	7,809.3	7,389.8	33.9	29.2	-42.55	-429.0	76.0	1,803.9	1,760.8	43.08	41.873	
9,100.0	8,718.1	7,825.0	7,392.9	33.9	29.3	-42.58	-430.9	60.7	1,804.8	1,761.4	43.38	41.607	
9,146.5	8,720.0	7,825.0	7,392.9	33.9	29.3	-42.66	-430.9	60.7	1,803.5	1,759.9	43.61	41.357	
9,200.0	8,720.0	7,850.0	7,396.9	34.1	29.5	-42.81	-433.6	36.2	1,801.6	1,757.4	44.15	40.802	
9,263.8	8,720.0	7,864.0	7,398.5	34.3	29.6	-42.88	-435.0	22.4	1,800.7	1,756.0	44.75	40.239	
9,300.0	8,720.0	7,875.0	7,399.4	34.5	29.7	-42.93	-436.1	11.5	1,801.0	1,755.9	45.11	39.923	
9,400.0	8,720.0	7,914.2	7,400.7	35.2	30.1	-43.04	-439.3	-27.5	1,804.4	1,758.1	46.28	38.990	
9,500.0	8,720.0	7,995.3	7,397.8	36.2	30.9	-43.05	-441.9	-108.5	1,809.6	1,762.0	47.68	37.956	
9,600.0	8,720.0	8,067.8	7,393.4	37.3	31.7	-43.01	-443.6	-180.8	1,816.2	1,767.0	49.17	36.934	
9,700.0	8,720.0	8,194.1	7,389.9	38.6	33.3	-43.13	-451.4	-306.9	1,823.1	1,771.8	51.25	35.571	
9,800.0	8,720.0	8,289.0	7,388.7	39.9	34.6	-43.27	-457.6	-401.6	1,829.0	1,775.6	53.34	34.289	
9,900.0	8,720.0	8,365.9	7,386.9	41.4	35.8	-43.36	-462.6	-478.2	1,835.7	1,780.3	55.40	33.135	
10,000.0	8,720.0	8,420.7	7,385.1	43.0	36.6	-43.43	-467.2	-532.9	1,844.3	1,787.0	57.37	32.148	
10,100.0	8,720.0	8,645.0	7,385.9	44.6	40.4	-44.04	-491.6	-755.7	1,853.8	1,792.4	61.45	30.169	
10,200.0	8,720.0	8,765.0	7,389.4	46.3	42.6	-44.27	-498.0	-875.4	1,855.9	1,791.5	64.47	28.789	
10,300.0	8,720.0	8,827.3	7,388.2	48.1	43.7	-44.28	-499.1	-937.7	1,859.0	1,792.3	66.77	27.841	
10,400.0	8,720.0	8,900.0	7,383.8	50.0	45.1	-44.20	-499.2	-1,010.3	1,864.0	1,794.8	69.16	26.953	
10,500.0	8,720.0	9,154.3	7,385.0	51.8	50.1	-44.40	-504.9	-1,264.4	1,866.2	1,792.2	73.95	25.236	
10,600.0	8,720.0	9,238.4	7,387.6	53.8	51.8	-44.44	-503.9	-1,348.4	1,863.8	1,787.0	76.78	24.275	
10,700.0	8,720.0	9,332.0	7,387.5	55.8	53.7	-44.41	-501.8	-1,442.0	1,862.8	1,783.1	79.67	23.381	
10,800.0	8,720.0	9,415.2	7,390.3	57.8	55.5	-44.50	-502.5	-1,525.1	1,861.5	1,778.9	82.63	22.529	
10,834.1	8,720.0	9,438.6	7,391.3	58.5	56.0	-44.54	-503.2	-1,548.5	1,861.4	1,777.8	83.60	22.267	
10,900.0	8,720.0	9,496.1	7,393.6	59.8	57.2	-44.65	-505.4	-1,605.9	1,861.7	1,776.0	85.66	21.733	
11,000.0	8,720.0	9,590.8	7,396.5	61.9	59.2	-44.79	-508.4	-1,700.6	1,862.2	1,773.3	88.91	20.946	
11,100.0	8,720.0	9,685.1	7,396.9	64.0	61.3	-44.84	-509.4	-1,794.8	1,863.1	1,771.1	92.07	20.236	
11,200.0	8,720.0	9,782.8	7,395.4	66.1	63.4	-44.81	-508.7	-1,892.5	1,864.3	1,769.1	95.21	19.582	
11,300.0	8,720.0	9,882.8	7,393.7	68.2	65.6	-44.77	-507.8	-1,992.4	1,865.5	1,767.1	98.39	18.960	
11,400.0	8,720.0	9,963.7	7,392.0	70.4	67.4	-44.73	-507.1	-2,073.3	1,867.0	1,765.6	101.33	18.424	
11,500.0	8,720.0	10,036.3	7,388.8	72.6	69.0	-44.66	-506.5	-2,145.9	1,870.0	1,765.9	104.11	17.961	
11,600.0	8,720.0	10,136.2	7,383.5	74.8	71.2	-44.55	-505.7	-2,245.6	1,873.7	1,766.4	107.23	17.473	
11,700.0	8,720.0	10,236.0	7,378.3	77.0	73.5	-44.43	-504.8	-2,345.3	1,877.3	1,767.0	110.36	17.011	
11,800.0	8,720.0	10,335.9	7,373.1	79.2	75.7	-44.32	-504.0	-2,445.1	1,881.0	1,767.5	113.49	16.574	
11,900.0	8,720.0	10,435.8	7,367.9	81.5	78.0	-44.21	-503.1	-2,544.8	1,884.7	1,768.1	116.63	16.159	
12,000.0	8,720.0	10,535.6	7,362.6	83.7	80.3	-44.09	-502.3	-2,644.5	1,888.4	1,768.6	119.78	15.766	
12,100.0	8,720.0	10,635.5	7,357.4	86.0	82.6	-43.98	-501.4	-2,744.2	1,892.1	1,769.2	122.93	15.392	
12,200.0	8,720.0	10,735.4	7,352.2	88.3	84.9	-43.87	-500.6	-2,843.9	1,895.8	1,769.7	126.08	15.037	
12,300.0	8,720.0	10,835.2	7,347.0	90.5	87.2	-43.76	-499.7	-2,943.7	1,899.5	1,770.3	129.23	14.698	
12,400.0	8,720.0	10,974.8	7,340.8	92.8	90.4	-43.63	-498.5	-3,083.1	1,902.8	1,769.9	132.95	14.312	
12,500.0	8,720.0	11,083.3	7,338.9	95.1	92.9	-43.59	-497.6	-3,191.6	1,904.0	1,767.7	136.37	13.962	
12,600.0	8,720.0	11,183.3	7,337.1	97.4	95.3	-43.55	-496.7	-3,291.6	1,905.2	1,765.5	139.68	13.640	
12,700.0	8,720.0	11,283.3	7,335.4	99.8	97.6	-43.51	-495.8	-3,391.5	1,906.4	1,763.4	142.99	13.332	
12,800.0	8,720.0	11,383.3	7,333.7	102.1	100.0	-43.47	-495.0	-3,491.5	1,907.6	1,761.3	146.31	13.038	
12,900.0	8,720.0	11,483.3	7,331.9	104.4	102.3	-43.43	-494.1	-3,591.5	1,908.8	1,759.2	149.63	12.757	
13,000.0	8,720.0	11,583.2	7,330.2	106.7	104.7	-43.39	-493.2	-3,691.4	1,910.0	1,757.1	152.95	12.488	
13,100.0	8,720.0	11,683.2	7,328.4	109.1	107.0	-43.36	-492.4	-3,791.4	1,911.2	1,754.9	156.28	12.229	
13,200.0	8,720.0	11,783.2	7,326.7	111.4	109.4	-43.32	-491.5	-3,891.4	1,912.4	1,752.8	159.61	11.982	
13,300.0	8,720.0	11,883.2	7,324.9	113.8	111.8	-43.28	-490.6	-3,991.3	1,913.6	1,750.7	162.94	11.744	
13,400.0	8,720.0	11,983.2	7,323.2	116.1	114.1	-43.24	-489.8	-4,091.3	1,914.8	1,748.6	166.27	11.516	
13,500.0	8,720.0	12,083.2	7,321.4	118.5	116.5	-43.20	-488.9	-4,191.3	1,916.0	1,746.4	169.60	11.297	
13,600.0	8,720.0	12,183.1	7,319.7	120.8	118.9	-43.17	-488.0	-4,291.2	1,917.2	1,744.3	172.94	11.086	
13,700.0	8,720.0	12,353.2	7,316.7	123.2	122.9	-43.01	-482.5	-4,461.1	1,916.9	1,740.0	176.92	10.835	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Altitude Plan #3 (ST) — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.0	8,720.0	12,452.0	7,315.0	125.6	125.3	-42.86	-476.4	-4,559.7	1,914.5	1,734.6	179.94	10.640	
13,900.0	8,720.0	12,551.8	7,313.3	127.9	127.6	-42.71	-470.3	-4,659.3	1,912.2	1,729.2	182.95	10.452	
14,000.0	8,720.0	12,651.6	7,311.5	130.3	130.0	-42.56	-464.2	-4,759.0	1,909.8	1,723.9	185.95	10.271	
14,100.0	8,720.0	12,751.5	7,309.8	132.7	132.4	-42.40	-458.0	-4,858.6	1,907.5	1,718.6	188.93	10.096	
14,200.0	8,720.0	12,851.3	7,308.0	135.1	134.8	-42.25	-451.9	-4,958.2	1,905.2	1,713.3	191.89	9.928	
14,300.0	8,720.0	12,951.2	7,306.3	137.4	137.2	-42.09	-445.8	-5,057.9	1,902.8	1,708.0	194.85	9.766	
14,400.0	8,720.0	13,051.0	7,304.6	139.8	139.6	-41.94	-439.7	-5,157.5	1,900.5	1,702.8	197.78	9.609	
14,500.0	8,720.0	13,150.8	7,302.8	142.2	142.0	-41.78	-433.6	-5,257.2	1,898.3	1,697.6	200.70	9.458	
14,600.0	8,720.0	13,271.6	7,300.7	144.6	144.9	-41.59	-425.8	-5,377.7	1,895.9	1,692.1	203.73	9.306	
14,700.0	8,720.0	13,453.3	7,297.8	147.0	149.2	-41.11	-406.0	-5,558.2	1,890.3	1,684.0	206.32	9.162	
14,800.0	8,720.0	13,584.7	7,295.9	149.4	152.3	-40.61	-385.2	-5,688.0	1,881.4	1,673.1	208.25	9.034	
14,900.0	8,720.0	13,683.5	7,294.5	151.8	154.7	-40.22	-368.8	-5,785.3	1,872.1	1,661.9	210.27	8.904	
15,000.0	8,720.0	13,782.2	7,293.1	154.2	157.0	-39.83	-352.5	-5,882.7	1,863.0	1,650.8	212.23	8.778	
15,100.0	8,720.0	13,880.9	7,291.7	156.6	159.4	-39.43	-336.2	-5,980.1	1,854.0	1,639.8	214.13	8.658	
15,200.0	8,720.0	13,979.7	7,290.3	159.0	161.7	-39.02	-319.9	-6,077.4	1,845.0	1,629.0	215.98	8.543	
15,300.0	8,720.0	14,078.4	7,288.9	161.4	164.1	-38.62	-303.5	-6,174.8	1,836.2	1,618.4	217.76	8.432	
15,400.0	8,720.0	14,177.2	7,287.5	163.8	166.4	-38.21	-287.2	-6,272.2	1,827.4	1,607.9	219.48	8.326	
15,500.0	8,720.0	14,261.3	7,286.3	166.2	168.4	-37.86	-273.5	-6,355.1	1,818.9	1,597.6	221.31	8.219	
15,600.0	8,720.0	14,332.6	7,285.3	168.6	170.1	-37.60	-263.5	-6,425.8	1,811.9	1,588.6	223.33	8.113	
15,700.0	8,720.0	14,400.0	7,284.3	171.0	171.7	-37.40	-255.7	-6,492.7	1,806.4	1,581.0	225.45	8.013	
15,800.0	8,720.0	14,476.5	7,283.2	173.4	173.6	-37.22	-248.7	-6,568.8	1,802.5	1,574.9	227.66	7.918	
15,900.0	8,720.0	14,548.8	7,282.2	175.8	175.3	-37.09	-244.0	-6,641.0	1,800.2	1,570.2	230.00	7.827	
16,000.0	8,720.0	14,621.4	7,281.2	178.2	177.1	-37.01	-241.1	-6,713.5	1,799.4	1,566.9	232.45	7.741	
16,003.7	8,720.0	14,624.0	7,281.1	178.3	177.2	-37.01	-241.0	-6,716.2	1,799.4	1,566.8	232.55	7.738	
16,100.0	8,720.0	14,700.0	7,280.1	180.6	179.0	-36.98	-240.0	-6,792.1	1,800.1	1,564.9	235.14	7.655	
16,200.0	8,720.0	14,766.6	7,279.1	183.0	180.6	-36.99	-240.8	-6,858.7	1,802.3	1,564.5	237.78	7.580	
16,300.0	8,720.0	14,839.0	7,278.1	185.5	182.4	-37.06	-243.4	-6,931.1	1,806.0	1,565.4	240.64	7.505	
16,400.0	8,720.0	14,911.3	7,277.1	187.9	184.1	-37.16	-247.8	-7,003.2	1,811.3	1,567.7	243.65	7.434	
16,500.0	8,720.0	14,983.3	7,276.1	190.3	185.8	-37.31	-254.0	-7,074.9	1,818.1	1,571.3	246.80	7.367	
16,600.0	8,720.0	15,054.9	7,275.1	192.7	187.5	-37.51	-262.0	-7,146.0	1,826.5	1,576.4	250.07	7.304	
16,700.0	8,720.0	15,126.0	7,274.1	195.1	189.2	-37.74	-271.7	-7,216.5	1,836.4	1,582.9	253.46	7.245	
16,800.0	8,720.0	15,210.5	7,273.0	197.5	191.2	-38.07	-285.0	-7,300.0	1,847.7	1,590.1	257.59	7.173	
16,900.0	8,720.0	15,309.1	7,271.6	200.0	193.5	-38.44	-300.8	-7,397.2	1,859.2	1,596.8	262.40	7.085	
17,000.0	8,720.0	15,407.6	7,270.3	202.4	195.8	-38.82	-316.6	-7,494.5	1,870.9	1,603.6	267.23	7.001	
17,100.0	8,720.0	15,506.2	7,269.0	204.8	198.2	-39.19	-332.5	-7,591.8	1,882.6	1,610.5	272.08	6.919	
17,200.0	8,720.0	15,604.8	7,267.6	207.2	200.5	-39.55	-348.3	-7,689.1	1,894.4	1,617.5	276.94	6.840	
17,300.0	8,720.0	15,703.3	7,266.3	209.6	202.8	-39.92	-364.1	-7,786.4	1,906.3	1,624.5	281.81	6.764	
17,400.0	8,720.0	15,866.6	7,264.0	212.1	206.7	-40.42	-386.5	-7,948.0	1,916.8	1,627.6	289.25	6.627	
17,500.0	8,720.0	16,043.7	7,261.6	214.5	211.0	-40.72	-400.4	-8,124.5	1,923.5	1,627.6	295.85	6.501	
17,600.0	8,720.0	16,211.5	7,259.3	216.9	215.0	-40.77	-403.5	-8,292.3	1,926.1	1,625.4	300.75	6.404	
17,700.0	8,720.0	16,311.5	7,258.0	219.3	217.5	-40.75	-402.9	-8,392.3	1,927.2	1,623.2	304.01	6.339	
17,800.0	8,720.0	16,411.5	7,256.6	221.8	219.9	-40.72	-402.2	-8,492.2	1,928.3	1,621.1	307.28	6.276	
17,900.0	8,720.0	16,511.5	7,255.3	224.2	222.3	-40.70	-401.6	-8,592.2	1,929.5	1,618.9	310.54	6.213	
18,000.0	8,720.0	16,611.5	7,253.9	226.6	224.8	-40.68	-401.0	-8,692.2	1,930.6	1,616.8	313.81	6.152	
18,100.0	8,720.0	16,711.5	7,252.6	229.1	227.2	-40.65	-400.3	-8,792.2	1,931.7	1,614.6	317.07	6.092	
18,200.0	8,720.0	16,811.4	7,251.2	231.5	229.6	-40.63	-399.7	-8,892.2	1,932.8	1,612.5	320.32	6.034	
18,300.0	8,720.0	16,911.4	7,249.8	233.9	232.1	-40.61	-399.1	-8,992.1	1,933.9	1,610.3	323.58	5.977	
18,400.0	8,720.0	17,011.4	7,248.5	236.3	234.5	-40.58	-398.4	-9,092.1	1,935.0	1,608.2	326.84	5.921	
18,500.0	8,720.0	17,111.4	7,247.1	238.8	236.9	-40.56	-397.8	-9,192.1	1,936.2	1,606.1	330.09	5.866	
18,600.0	8,720.0	17,211.4	7,245.8	241.2	239.4	-40.54	-397.2	-9,292.1	1,937.3	1,603.9	333.34	5.812	
18,700.0	8,720.0	17,311.4	7,244.4	243.6	241.8	-40.52	-396.5	-9,392.1	1,938.4	1,601.8	336.59	5.759	
18,800.0	8,720.0	17,411.4	7,243.1	246.1	244.2	-40.49	-395.9	-9,492.0	1,939.5	1,599.7	339.84	5.707	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #114H - Wellbore #1 - Altitude Plan #3 (ST)

Survey Program: 0-MWD

Offset Site Error: 0.0 usft

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,900.0	8,720.0	17,511.4	7,241.7	248.5	246.7	-40.47	-395.3	-9,592.0	1,940.7	1,597.6	343.08	5.657	
19,000.0	8,720.0	17,611.4	7,240.3	250.9	249.1	-40.45	-394.6	-9,692.0	1,941.8	1,595.4	346.33	5.607	
19,100.0	8,720.0	17,711.4	7,239.0	253.4	251.5	-40.42	-394.0	-9,792.0	1,942.9	1,593.3	349.57	5.558	
19,176.7	8,720.0	17,788.1	7,237.9	255.2	253.4	-40.41	-393.5	-9,868.7	1,943.8	1,591.7	352.05	5.521	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #123H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 225-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	50.65	457.9	558.5	722.2				
100.0	100.0	88.7	88.7	0.1	0.1	50.64	458.4	558.9	722.9	722.6	0.28	2,578.139	
200.0	200.0	179.1	179.1	0.5	0.3	50.62	459.7	560.1	724.8	724.0	0.78	930.868	
300.0	300.0	272.8	272.7	0.8	0.5	50.58	462.0	562.0	728.0	726.6	1.38	527.945	
400.0	400.0	369.8	369.6	1.2	0.9	-160.09	465.1	564.1	732.5	730.4	2.07	353.532	
424.5	424.5	393.5	393.4	1.3	1.0	-160.12	465.9	564.6	733.9	731.6	2.24	327.429	
500.0	500.0	466.3	466.0	1.5	1.2	-160.26	468.8	566.1	738.5	735.8	2.76	267.706	
600.0	599.9	560.9	560.5	1.9	1.6	-160.47	473.1	568.2	745.2	741.8	3.44	216.328	
700.0	699.9	660.3	659.8	2.2	1.9	-160.70	478.1	570.6	752.3	748.2	4.15	181.234	
800.0	799.9	768.0	767.4	2.6	2.3	-160.94	483.1	572.9	759.0	754.1	4.89	155.270	
900.0	899.9	877.4	876.7	2.9	2.7	-161.06	486.2	575.1	764.4	758.8	5.63	135.698	
1,000.0	999.9	955.0	954.2	3.3	3.0	-161.09	488.4	578.0	771.0	764.8	6.27	123.054	
1,100.0	1,099.8	1,036.5	1,035.5	3.7	3.3	-161.08	491.5	582.7	779.9	773.0	6.91	112.870	
1,200.0	1,199.8	1,132.0	1,130.7	4.0	3.7	-161.02	495.6	589.7	790.3	782.7	7.61	103.907	
1,300.0	1,299.8	1,229.4	1,227.6	4.4	4.0	-160.93	499.5	597.3	801.0	792.7	8.31	96.394	
1,400.0	1,399.8	1,331.7	1,329.6	4.7	4.4	-160.82	503.4	605.5	811.6	802.6	9.03	89.838	
1,475.7	1,475.5	1,409.4	1,406.9	5.0	4.7	-160.73	506.2	611.6	819.4	809.8	9.58	85.492	
1,500.0	1,499.7	1,434.3	1,431.8	5.1	4.8	-160.71	507.1	613.5	821.8	812.1	9.76	84.194	
1,600.3	1,600.0	1,515.1	1,512.3	5.4	5.1	49.94	510.7	620.4	832.0	821.6	10.39	80.097	
1,700.0	1,699.7	1,597.7	1,594.3	5.8	5.4	7.72	515.3	628.6	842.4	831.4	11.00	76.561	
1,800.0	1,799.7	1,680.5	1,676.3	6.1	5.8	7.85	521.0	638.2	853.1	841.5	11.62	73.415	
1,900.0	1,899.6	1,763.1	1,757.9	6.4	6.1	8.02	527.3	649.2	864.0	851.8	12.23	70.630	
2,000.0	1,999.4	1,858.0	1,851.5	6.8	6.5	8.25	535.1	663.4	874.7	861.8	12.91	67.740	
2,100.0	2,099.1	1,961.1	1,953.1	7.1	6.9	8.52	543.4	678.5	883.5	869.9	13.64	64.771	
2,200.0	2,198.6	2,067.9	2,058.5	7.5	7.4	8.81	551.8	693.7	890.0	875.6	14.39	61.847	
2,300.0	2,298.0	2,175.8	2,165.1	7.8	7.8	9.06	560.3	707.6	894.0	878.8	15.15	59.013	
2,400.0	2,397.1	2,271.2	2,259.5	8.2	8.2	9.31	567.7	720.0	896.1	880.2	15.84	56.561	
2,500.0	2,496.0	2,368.1	2,355.1	8.5	8.7	9.63	574.7	733.4	896.8	880.3	16.55	54.206	
2,600.0	2,594.7	2,470.1	2,455.9	8.9	9.1	10.00	582.0	747.6	895.9	878.7	17.28	51.851	
2,697.6	2,690.7	2,567.3	2,551.9	9.3	9.5	10.37	589.0	760.8	893.3	875.3	17.99	49.666	
2,700.0	2,693.0	2,569.5	2,554.1	9.3	9.5	10.37	589.2	761.1	893.2	875.2	18.00	49.615	
2,800.0	2,791.2	2,662.9	2,646.4	9.7	9.9	10.68	596.9	773.6	890.1	871.4	18.69	47.616	
2,900.0	2,889.3	2,758.4	2,740.6	10.1	10.3	10.93	605.8	786.4	887.7	868.3	19.40	45.761	
3,000.0	2,987.5	2,855.6	2,836.4	10.5	10.7	11.16	615.4	799.5	885.7	865.6	20.12	44.030	
3,100.0	3,085.7	2,956.3	2,935.7	10.9	11.2	11.41	625.5	813.1	883.8	862.9	20.86	42.376	
3,200.0	3,183.8	3,056.8	3,034.8	11.3	11.6	11.66	635.3	826.7	881.8	860.2	21.60	40.830	
3,300.0	3,282.0	3,156.8	3,133.3	11.7	12.0	11.90	645.2	840.1	879.8	857.5	22.34	39.390	
3,400.0	3,380.2	3,256.5	3,231.7	12.1	12.5	12.14	655.2	853.4	877.8	854.8	23.08	38.041	
3,500.0	3,478.4	3,355.7	3,329.5	12.6	12.9	12.35	665.4	866.5	875.9	852.1	23.81	36.781	
3,600.0	3,576.5	3,458.5	3,430.8	13.0	13.4	12.56	676.2	880.0	874.0	849.5	24.57	35.568	
3,700.0	3,674.7	3,567.2	3,538.1	13.4	13.8	12.77	687.2	893.4	871.4	846.0	25.37	34.350	
3,800.0	3,772.9	3,659.2	3,629.0	13.8	14.2	12.95	696.4	904.4	868.3	842.2	26.07	33.306	
3,900.0	3,871.1	3,740.8	3,709.3	14.3	14.6	13.13	705.1	915.6	867.1	840.4	26.71	32.466	
3,905.6	3,876.5	3,745.4	3,713.8	14.3	14.6	13.14	705.6	916.3	867.1	840.4	26.74	32.423	
4,000.0	3,969.2	3,827.6	3,794.5	14.7	15.0	13.34	715.0	929.2	868.0	840.6	27.37	31.709	
4,100.0	4,067.4	3,928.3	3,893.1	15.1	15.5	13.61	726.7	945.5	869.3	841.2	28.13	30.901	
4,200.0	4,165.6	4,032.1	3,994.9	15.6	15.9	13.89	738.5	962.2	870.6	841.7	28.92	30.107	
4,300.0	4,263.7	4,140.8	4,101.7	16.0	16.4	14.16	750.5	978.8	871.0	841.3	29.73	29.297	
4,400.0	4,361.9	4,248.3	4,207.5	16.5	16.9	14.42	762.1	994.3	870.5	839.9	30.53	28.509	
4,500.0	4,460.1	4,355.2	4,312.7	16.9	17.4	14.66	773.3	1,008.8	869.1	837.8	31.33	27.741	
4,600.0	4,558.3	4,456.2	4,412.3	17.4	17.8	14.88	783.7	1,022.1	867.3	835.2	32.09	27.025	
4,700.0	4,656.4	4,556.3	4,511.0	17.8	18.3	15.09	794.2	1,035.1	865.5	832.6	32.85	26.346	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #123H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 225-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	4,658.6	4,611.9	18.2	18.7	15.30	804.8	1,048.3	863.5	829.9	33.62	25.684	
4,900.0	4,852.8	4,761.0	4,713.0	18.7	19.2	15.51	815.4	1,061.1	861.3	826.9	34.39	25.042	
5,000.0	4,950.9	4,860.9	4,811.6	19.1	19.6	15.77	825.0	1,074.0	858.9	823.8	35.15	24.435	
5,100.0	5,049.1	4,962.6	4,911.9	19.6	20.1	16.12	833.5	1,087.8	856.5	820.6	35.92	23.844	
5,200.0	5,147.3	5,072.7	5,020.8	20.0	20.5	16.56	841.7	1,102.4	853.4	816.7	36.74	23.231	
5,300.0	5,245.5	5,182.0	5,128.9	20.5	21.0	17.00	849.2	1,115.8	849.1	811.6	37.54	22.620	
5,400.0	5,343.6	5,290.0	5,236.1	20.9	21.4	17.44	855.9	1,128.1	843.9	805.5	38.33	22.015	
5,500.0	5,441.8	5,389.5	5,334.8	21.4	21.8	17.86	861.8	1,138.9	838.0	798.9	39.09	21.437	
5,600.0	5,540.0	5,484.8	5,429.3	21.8	22.2	18.24	867.9	1,149.5	832.6	792.8	39.83	20.902	
5,700.0	5,638.1	5,581.1	5,524.8	22.3	22.6	18.61	874.5	1,160.4	827.8	787.2	40.58	20.397	
5,800.0	5,736.3	5,677.9	5,620.7	22.8	23.0	18.98	881.4	1,171.7	823.3	782.0	41.33	19.918	
5,900.0	5,834.5	5,779.5	5,721.3	23.2	23.5	19.39	888.5	1,183.7	819.0	776.9	42.11	19.450	
6,000.0	5,932.7	5,883.0	5,823.8	23.7	23.9	19.83	895.4	1,195.7	814.4	771.5	42.89	18.986	
6,100.0	6,030.8	5,991.5	5,931.5	24.1	24.3	20.31	902.0	1,207.7	809.1	765.4	43.70	18.515	
6,200.0	6,129.0	6,100.7	6,039.9	24.6	24.8	20.82	907.8	1,218.8	802.6	758.1	44.50	18.037	
6,300.0	6,227.2	6,205.1	6,143.8	25.0	25.2	21.34	912.7	1,228.6	795.3	750.0	45.28	17.565	
6,400.0	6,325.3	6,313.4	6,251.6	25.5	25.6	21.91	917.2	1,238.3	787.4	741.3	46.07	17.091	
6,500.0	6,423.5	6,430.4	6,368.2	25.9	26.0	22.56	920.8	1,246.9	777.6	730.8	46.86	16.595	
6,600.0	6,521.7	6,544.1	6,481.7	26.4	26.4	23.25	922.9	1,253.3	765.9	718.2	47.63	16.081	
6,700.0	6,619.9	6,655.7	6,593.2	26.9	26.8	24.00	923.7	1,258.0	752.4	704.1	48.38	15.554	
6,800.0	6,718.0	6,758.8	6,696.2	27.3	27.1	24.70	924.0	1,261.2	738.0	688.8	49.14	15.019	
6,900.0	6,816.2	6,862.3	6,799.7	27.8	27.5	25.35	925.1	1,263.4	723.0	673.2	49.89	14.493	
7,000.0	6,914.4	6,976.2	6,913.6	28.2	27.8	26.01	926.7	1,263.9	706.7	656.2	50.58	13.972	
7,100.0	7,012.5	7,085.6	7,023.0	28.7	28.1	26.62	928.1	1,262.0	688.5	637.2	51.26	13.430	
7,200.0	7,110.7	7,189.2	7,126.6	29.1	28.4	27.20	929.2	1,259.1	669.2	617.3	51.96	12.879	
7,300.0	7,208.9	7,287.8	7,225.0	29.6	28.7	27.80	930.0	1,255.7	649.4	596.7	52.69	12.324	
7,400.0	7,307.1	7,382.8	7,320.0	30.1	29.0	28.43	930.7	1,252.8	630.0	576.6	53.46	11.784	
7,500.0	7,405.2	7,476.2	7,413.3	30.5	29.3	29.11	931.2	1,250.6	611.2	557.0	54.25	11.266	
7,514.9	7,419.9	7,489.9	7,427.1	30.6	29.3	29.22	931.3	1,250.3	608.5	554.1	54.37	11.191	
7,600.0	7,503.6	7,568.5	7,505.7	31.0	29.5	29.75	931.4	1,249.4	594.2	539.2	55.06	10.792	
7,700.0	7,602.4	7,665.5	7,602.7	31.4	29.8	30.40	931.1	1,249.1	580.3	524.5	55.83	10.395	
7,800.0	7,701.5	8,100.9	8,008.2	31.8	30.6	30.12	919.3	1,125.5	544.1	499.2	44.94	12.107	
7,900.0	7,801.0	8,398.3	8,200.6	32.2	30.8	22.61	880.8	907.3	459.6	432.1	27.50	16.709	
8,000.0	7,900.7	8,450.6	8,224.2	32.6	30.9	16.97	872.3	861.4	368.3	341.4	26.84	13.723	
8,100.0	8,000.5	8,495.7	8,243.6	32.9	31.0	9.18	865.3	821.3	277.6	250.5	27.11	10.240	
8,200.0	8,100.5	8,540.0	8,261.7	33.2	31.2	-3.64	859.0	781.4	188.8	159.8	29.08	6.494	
8,246.5	8,147.0	8,559.2	8,269.0	33.4	31.2	30.13	856.8	763.7	149.2	117.0	32.18	4.635	
8,250.0	8,150.5	8,560.6	8,269.5	33.4	31.2	119.42	856.7	762.4	146.3	113.7	32.53	4.497	
8,300.0	8,200.4	8,581.5	8,276.9	33.5	31.3	113.26	854.9	743.0	107.6	67.5	40.07	2.686	
8,350.0	8,249.9	8,604.1	8,284.4	33.6	31.4	102.24	853.5	721.7	78.0	24.6	53.42	1.461	Level 3
8,395.4	8,294.2	8,626.9	8,291.4	33.7	31.5	87.07	852.7	700.0	67.5	4.2	63.32	1.067	Level 2, CC
8,400.0	8,298.7	8,629.3	8,292.1	33.7	31.5	85.31	852.6	697.7	67.6	4.1	63.52	1.065	Level 2, ES, SF
8,450.0	8,346.2	8,655.6	8,298.9	33.8	31.7	66.03	851.5	672.3	81.5	25.1	56.40	1.444	Level 3
8,500.0	8,392.3	8,681.6	8,304.4	33.9	31.8	49.50	850.3	646.9	109.4	64.0	45.40	2.411	
8,550.0	8,436.5	8,707.4	8,308.7	33.9	32.0	37.29	848.9	621.6	142.5	104.8	37.74	3.776	
8,600.0	8,478.5	8,733.5	8,311.9	34.0	32.1	28.64	847.4	595.8	176.9	144.0	32.90	5.377	
8,650.0	8,518.0	8,759.8	8,314.1	34.0	32.3	22.59	845.9	569.6	211.2	181.3	29.88	7.068	
8,700.0	8,554.6	8,786.2	8,315.2	34.0	32.5	18.26	844.2	543.2	244.5	216.5	28.04	8.722	
8,750.0	8,588.1	8,814.8	8,315.2	34.0	32.7	14.94	842.4	514.6	276.7	249.7	26.99	10.250	
8,800.0	8,618.3	8,851.0	8,314.5	33.9	33.0	12.15	840.0	478.6	306.5	280.2	26.29	11.659	
8,850.0	8,644.9	8,888.8	8,313.3	33.9	33.3	10.06	837.3	440.9	333.5	307.6	25.89	12.879	
8,900.0	8,667.7	8,927.7	8,311.7	33.9	33.7	8.48	834.6	402.1	357.4	331.7	25.76	13.876	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #123H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 225-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,950.0	8,686.6	8,967.8	8,309.6	33.9	34.0	7.35	832.5	362.2	378.2	352.3	25.86	14.626	
9,000.0	8,701.3	9,010.3	8,306.8	33.9	34.5	6.55	831.0	319.7	395.7	369.6	26.09	15.166	
9,050.0	8,711.8	9,057.5	8,303.6	33.9	35.0	6.03	830.3	272.7	409.3	383.0	26.34	15.538	
9,100.0	8,718.1	9,108.2	8,300.2	33.9	35.6	5.78	830.7	222.1	418.8	392.2	26.63	15.726	
9,146.5	8,720.0	9,163.1	8,297.3	33.9	36.3	5.73	831.5	167.3	423.1	396.3	26.78	15.798	
9,200.0	8,720.0	9,231.9	8,295.6	34.1	37.2	5.83	833.0	98.5	424.5	397.6	26.98	15.735	
9,300.0	8,720.0	9,341.2	8,297.5	34.5	38.8	6.02	835.0	-10.8	422.8	394.9	27.92	15.147	
9,383.6	8,720.0	9,418.1	8,298.2	35.1	39.9	6.03	835.6	-87.6	422.1	393.3	28.89	14.614	
9,400.0	8,720.0	9,433.0	8,298.1	35.2	40.2	6.02	835.6	-102.6	422.2	393.1	29.08	14.519	
9,500.0	8,720.0	9,530.6	8,297.1	36.2	41.7	5.95	836.0	-200.2	423.1	393.0	30.18	14.023	
9,600.0	8,720.0	9,636.6	8,296.9	37.3	43.5	6.11	838.0	-306.1	423.5	392.2	31.29	13.533	
9,665.5	8,720.0	9,700.0	8,297.4	38.1	44.6	6.29	839.8	-369.5	423.1	390.9	32.21	13.135	
9,700.0	8,720.0	9,730.8	8,297.3	38.6	45.2	6.37	840.6	-400.3	423.2	390.5	32.74	12.928	
9,800.0	8,720.0	9,824.1	8,295.8	39.9	46.9	6.52	842.7	-493.5	425.1	390.9	34.20	12.428	
9,900.0	8,720.0	9,921.4	8,292.9	41.4	48.7	6.46	843.3	-590.8	427.9	392.4	35.49	12.058	
10,000.0	8,720.0	10,035.9	8,290.6	43.0	50.9	6.28	843.0	-705.3	429.9	393.5	36.36	11.824	
10,050.4	8,720.0	10,085.1	8,290.9	43.8	51.9	6.35	843.9	-754.4	429.7	392.6	37.09	11.585	
10,100.0	8,720.0	10,131.0	8,290.7	44.6	52.8	6.36	844.4	-800.3	429.9	392.1	37.83	11.364	
10,200.0	8,720.0	10,220.2	8,288.8	46.3	54.5	6.30	844.8	-889.6	432.0	392.6	39.37	10.972	
10,300.0	8,720.0	10,325.3	8,285.7	48.1	56.7	6.38	846.6	-994.6	435.0	394.4	40.68	10.695	
10,400.0	8,720.0	10,416.3	8,283.2	50.0	58.6	6.67	849.8	-1,085.5	438.1	395.6	42.47	10.315	
10,500.0	8,720.0	10,538.4	8,281.8	51.8	61.1	7.11	854.3	-1,207.4	439.6	395.8	43.76	10.045	
10,539.0	8,720.0	10,573.9	8,282.1	52.6	61.9	7.27	855.7	-1,243.0	439.4	394.9	44.51	9.872	
10,600.0	8,720.0	10,629.3	8,282.0	53.8	63.1	7.51	858.0	-1,298.3	439.8	394.1	45.70	9.624	
10,700.0	8,720.0	10,720.5	8,280.1	55.8	65.0	7.86	861.7	-1,389.4	442.2	394.6	47.65	9.281	
10,800.0	8,720.0	10,828.3	8,277.8	57.8	67.4	8.28	866.1	-1,497.1	444.8	395.5	49.35	9.014	
10,900.0	8,720.0	10,935.5	8,278.1	59.8	69.7	8.52	868.8	-1,604.2	444.8	393.8	50.95	8.730	
10,903.4	8,720.0	10,938.5	8,278.1	59.9	69.8	8.52	868.8	-1,607.2	444.8	393.8	51.01	8.719	
11,000.0	8,720.0	11,030.6	8,277.2	61.9	71.8	8.54	869.9	-1,699.3	445.7	393.2	52.60	8.475	
11,100.0	8,720.0	11,137.9	8,277.3	64.0	74.2	8.61	871.2	-1,806.6	445.7	391.6	54.06	8.244	
11,200.0	8,720.0	11,235.6	8,277.9	66.1	76.4	8.61	871.8	-1,904.3	445.1	389.4	55.66	7.996	
11,207.3	8,720.0	11,242.4	8,277.9	66.3	76.5	8.60	871.9	-1,911.1	445.1	389.3	55.78	7.979	
11,300.0	8,720.0	11,327.1	8,277.1	68.2	78.4	8.49	871.7	-1,995.8	445.8	388.5	57.26	7.785	
11,400.0	8,720.0	11,417.7	8,274.3	70.4	80.5	8.35	871.7	-2,086.4	448.7	389.9	58.86	7.624	
11,500.0	8,720.0	11,518.3	8,269.7	72.6	82.8	8.10	871.2	-2,186.8	453.1	393.0	60.15	7.534	
11,600.0	8,720.0	11,635.5	8,267.3	74.8	85.4	8.04	872.0	-2,304.0	455.1	393.8	61.33	7.420	
11,700.0	8,720.0	11,737.6	8,268.2	77.0	87.8	8.14	873.4	-2,406.1	454.4	391.4	62.98	7.214	
11,750.3	8,720.0	11,785.6	8,268.3	78.1	88.9	8.14	873.7	-2,454.1	454.2	390.4	63.82	7.117	
11,800.0	8,720.0	11,832.6	8,268.1	79.2	89.9	8.09	873.7	-2,501.1	454.4	389.8	64.61	7.033	
11,900.0	8,720.0	11,928.2	8,266.8	81.5	92.1	7.87	872.9	-2,596.7	455.5	389.5	66.02	6.899	
12,000.0	8,720.0	12,026.0	8,264.6	83.7	94.4	7.48	870.8	-2,694.4	457.3	390.1	67.20	6.806	
12,100.0	8,720.0	12,120.4	8,261.8	86.0	96.6	7.10	868.8	-2,788.7	460.0	391.5	68.44	6.720	
12,200.0	8,720.0	12,224.8	8,258.4	88.3	99.0	6.80	867.6	-2,893.1	462.9	393.3	69.61	6.650	
12,300.0	8,720.0	12,318.0	8,255.3	90.5	101.2	6.43	865.7	-2,986.3	466.0	395.1	70.88	6.574	
12,400.0	8,720.0	12,425.2	8,252.0	92.8	103.7	6.22	865.1	-3,093.4	468.8	396.7	72.09	6.503	
12,500.0	8,720.0	12,523.3	8,249.3	95.1	106.0	6.10	865.2	-3,191.4	471.5	397.9	73.56	6.409	
12,600.0	8,720.0	12,628.9	8,247.4	97.4	108.4	6.12	866.4	-3,297.0	473.3	398.2	75.06	6.305	
12,700.0	8,720.0	12,724.0	8,245.9	99.8	110.7	6.28	868.6	-3,392.1	475.0	398.1	76.91	6.176	
12,800.0	8,720.0	12,817.0	8,242.8	102.1	112.9	6.41	870.8	-3,485.0	478.5	399.8	78.76	6.076	
12,900.0	8,720.0	12,924.2	8,239.4	104.4	115.4	6.71	874.4	-3,592.1	482.0	401.4	80.61	5.980	
13,000.0	8,720.0	13,028.1	8,238.2	106.7	117.8	7.07	878.5	-3,695.9	483.5	400.8	82.64	5.851	
13,100.0	8,720.0	13,120.1	8,236.3	109.1	120.0	7.32	881.6	-3,787.8	485.9	401.2	84.72	5.735	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #123H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 225-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,200.0	8,720.0	13,219.4	8,232.7	111.4	122.4	7.49	884.2	-3,887.0	489.7	403.1	86.60	5.655	
13,300.0	8,720.0	13,324.2	8,230.3	113.8	124.9	7.80	888.1	-3,991.8	492.4	403.8	88.63	5.556	
13,400.0	8,720.0	13,418.2	8,228.1	116.1	127.1	8.15	892.2	-4,085.6	495.2	404.3	90.91	5.447	
13,500.0	8,720.0	13,509.0	8,224.2	118.5	129.2	8.40	895.6	-4,176.2	499.8	406.8	93.09	5.370	
13,600.0	8,720.0	13,628.9	8,218.9	120.8	132.1	8.56	898.7	-4,296.0	504.8	410.0	94.75	5.327	
13,700.0	8,720.0	13,728.7	8,218.1	123.2	134.5	8.62	900.2	-4,395.7	505.6	409.1	96.53	5.238	
13,800.0	8,720.0	13,823.0	8,215.9	125.6	136.7	8.53	900.4	-4,490.0	507.8	409.7	98.12	5.175	
13,900.0	8,720.0	13,915.6	8,212.6	127.9	138.9	8.30	899.5	-4,582.5	511.2	411.7	99.47	5.139	
14,000.0	8,720.0	14,043.0	8,209.4	130.3	142.0	7.93	897.6	-4,709.9	513.5	413.4	100.04	5.133	
14,006.8	8,720.0	14,052.4	8,209.6	130.5	142.2	7.90	897.4	-4,719.3	513.4	413.3	100.06	5.130	
14,100.0	8,720.0	14,127.2	8,208.5	132.7	144.0	7.68	896.2	-4,794.1	514.2	412.6	101.52	5.065	
14,200.0	8,720.0	14,218.5	8,205.7	135.1	146.1	7.39	894.6	-4,885.3	516.9	414.1	102.77	5.030	
14,300.0	8,720.0	14,343.0	8,204.5	137.4	149.1	7.11	893.1	-5,009.8	517.5	413.9	103.55	4.997	
14,373.2	8,720.0	14,410.2	8,204.7	139.2	150.7	6.97	892.4	-5,076.9	517.0	412.4	104.62	4.942	
14,400.0	8,720.0	14,435.0	8,204.6	139.8	151.3	6.91	892.0	-5,101.8	517.1	412.1	104.98	4.926	
14,500.0	8,720.0	14,527.9	8,203.3	142.2	153.5	6.59	889.9	-5,194.6	518.2	412.0	106.17	4.881	
14,600.0	8,720.0	14,622.2	8,200.5	144.6	155.8	6.12	886.7	-5,288.8	520.6	413.5	107.11	4.861	
14,700.0	8,720.0	14,724.5	8,197.5	147.0	158.2	5.78	884.6	-5,391.0	523.2	415.1	108.14	4.839	
14,800.0	8,720.0	14,827.9	8,195.0	149.4	160.7	5.67	884.7	-5,494.4	525.7	416.1	109.53	4.799	
14,900.0	8,720.0	14,938.9	8,194.3	151.8	163.4	5.61	885.1	-5,605.5	526.2	415.3	110.87	4.746	
15,000.0	8,720.0	15,038.7	8,194.8	154.2	165.8	5.53	885.1	-5,705.3	525.6	413.3	112.36	4.678	
15,028.5	8,720.0	15,065.8	8,194.8	154.8	166.4	5.53	885.2	-5,732.3	525.6	412.7	112.83	4.658	
15,100.0	8,720.0	15,133.9	8,194.6	156.6	168.1	5.53	885.8	-5,800.5	525.8	411.8	114.04	4.611	
15,200.0	8,720.0	15,227.8	8,193.5	159.0	170.3	5.52	886.6	-5,894.3	527.0	411.3	115.72	4.554	
15,300.0	8,720.0	15,318.4	8,191.1	161.4	172.5	5.44	886.8	-5,984.9	529.6	412.3	117.30	4.515	
15,400.0	8,720.0	15,409.6	8,186.9	163.8	174.7	5.30	886.5	-6,076.0	534.1	415.4	118.74	4.498	
15,500.0	8,720.0	15,512.4	8,181.1	166.2	177.2	4.99	885.0	-6,178.6	539.5	419.7	119.84	4.502	
15,600.0	8,720.0	15,627.4	8,177.3	168.6	179.9	4.89	885.2	-6,293.6	542.8	421.6	121.13	4.481	
15,700.0	8,720.0	15,728.2	8,175.7	171.0	182.4	4.82	885.4	-6,394.3	544.3	421.7	122.59	4.440	
15,800.0	8,720.0	15,822.1	8,173.4	173.4	184.6	4.59	884.2	-6,488.2	546.5	422.6	123.91	4.411	
15,900.0	8,720.0	15,917.3	8,170.0	175.8	186.9	4.31	882.4	-6,583.3	549.9	424.8	125.11	4.395	
16,000.0	8,720.0	16,016.1	8,166.1	178.2	189.3	4.25	882.9	-6,682.0	553.8	427.2	126.63	4.373	
16,100.0	8,720.0	16,109.4	8,162.1	180.6	191.6	4.32	884.6	-6,775.3	558.2	429.8	128.35	4.349	
16,200.0	8,720.0	16,210.8	8,156.8	183.0	194.0	4.33	885.9	-6,876.5	563.4	433.5	129.95	4.336	
16,300.0	8,720.0	16,317.1	8,152.4	185.5	196.6	4.58	889.5	-6,982.6	567.7	435.9	131.88	4.305	
16,400.0	8,720.0	16,415.9	8,148.9	187.9	199.0	4.86	893.3	-7,081.2	571.5	437.6	133.94	4.267	
16,500.0	8,720.0	16,517.9	8,145.3	190.3	201.4	5.07	896.6	-7,183.1	575.3	439.4	135.90	4.234	
16,600.0	8,720.0	16,624.9	8,142.7	192.7	204.0	5.42	901.2	-7,290.0	578.0	440.0	138.08	4.186	
16,700.0	8,720.0	16,722.2	8,139.9	195.1	206.4	5.68	904.8	-7,387.2	581.1	440.9	140.22	4.144	
16,800.0	8,720.0	16,847.0	8,139.9	197.5	209.4	5.90	908.0	-7,512.0	581.2	439.2	141.97	4.094	
16,900.0	8,720.0	16,943.9	8,141.6	200.0	211.8	6.00	909.6	-7,608.8	579.6	435.7	143.87	4.029	
16,944.8	8,720.0	16,983.6	8,141.7	201.0	212.7	6.01	910.0	-7,648.5	579.4	434.7	144.70	4.004	
17,000.0	8,720.0	17,029.9	8,141.4	202.4	213.8	6.01	910.4	-7,694.9	579.8	434.1	145.70	3.980	
17,100.0	8,720.0	17,121.3	8,138.8	204.8	216.1	5.97	911.0	-7,786.2	582.5	435.2	147.33	3.954	
17,200.0	8,720.0	17,219.8	8,136.2	207.2	218.4	5.91	911.4	-7,884.6	585.2	436.4	148.84	3.932	
17,300.0	8,720.0	17,311.3	8,132.3	209.6	220.7	5.99	913.3	-7,976.1	589.5	438.8	150.68	3.912	
17,400.0	8,720.0	17,416.1	8,127.9	212.1	223.2	6.12	915.9	-8,080.8	593.8	441.3	152.58	3.892	
17,500.0	8,720.0	17,523.4	8,124.6	214.5	225.8	6.22	918.2	-8,188.0	597.1	442.7	154.39	3.867	
17,600.0	8,720.0	17,632.3	8,122.6	216.9	228.4	6.28	919.8	-8,296.8	599.0	442.9	156.07	3.838	
17,700.0	8,720.0	17,726.9	8,121.4	219.3	230.7	6.29	920.8	-8,391.4	600.3	442.5	157.79	3.804	
17,800.0	8,720.0	17,821.7	8,118.9	221.8	233.0	6.23	921.2	-8,486.2	602.9	443.6	159.33	3.784	
17,900.0	8,720.0	17,924.3	8,115.9	224.2	235.5	6.10	920.9	-8,588.7	605.7	445.1	160.63	3.771	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #123H - Wellbore #1 - Actual

Offset Site Error: 0.0 usft

Survey Program: 225-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,000.0	8,720.0	18,031.2	8,113.6	226.6	238.1	5.93	920.2	-8,695.6	607.6	445.8	161.79	3.756	
18,100.0	8,720.0	18,115.5	8,111.5	229.1	240.2	5.77	919.3	-8,779.9	610.0	446.9	163.16	3.739	
18,200.0	8,720.0	18,209.5	8,106.9	231.5	242.4	5.59	918.5	-8,873.7	614.7	450.3	164.38	3.740	
18,300.0	8,720.0	18,315.9	8,102.0	233.9	245.0	5.40	917.8	-8,980.1	619.2	453.6	165.55	3.740	
18,400.0	8,720.0	18,424.9	8,098.4	236.3	247.6	5.15	916.2	-9,088.9	622.3	455.7	166.54	3.736	
18,500.0	8,720.0	18,533.6	8,096.3	238.8	250.3	4.87	914.2	-9,197.6	624.0	456.5	167.48	3.726	
18,600.0	8,720.0	18,634.3	8,095.6	241.2	252.7	4.58	911.9	-9,298.3	624.4	455.9	168.48	3.706	
18,700.0	8,720.0	18,711.0	8,093.4	243.6	254.6	4.46	911.3	-9,375.0	627.1	457.2	169.99	3.689	
18,800.0	8,720.0	18,814.0	8,088.8	246.1	257.1	4.40	911.8	-9,477.9	631.5	460.1	171.45	3.684	
18,900.0	8,720.0	18,918.7	8,084.8	248.5	259.6	4.27	911.4	-9,582.5	635.3	462.5	172.77	3.677	
19,000.0	8,720.0	19,027.2	8,081.7	250.9	262.3	4.02	909.7	-9,690.9	638.0	464.2	173.82	3.670	
19,100.0	8,720.0	19,136.2	8,080.0	253.4	264.9	3.64	906.4	-9,799.9	639.3	464.6	174.64	3.660	
19,176.7	8,720.0	19,213.0	8,079.3	255.2	266.8	3.33	903.6	-9,876.6	639.7	464.4	175.34	3.649	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #134H - Wellbore #1 - State Plan #1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	88.09	1.0	30.0	30.0				
100.0	100.0	100.0	100.0	0.1	0.1	88.09	1.0	30.0	30.0	29.8	0.26	117.122	
200.0	200.0	200.0	200.0	0.5	0.5	88.09	1.0	30.0	30.0	29.0	0.97	30.844	
300.0	300.0	300.0	300.0	0.8	0.8	88.09	1.0	30.0	30.0	28.3	1.69	17.761	CC
400.0	400.0	400.0	400.0	1.2	1.2	-123.87	1.0	30.0	30.5	28.1	2.39	12.748	ES
424.5	424.5	424.5	424.5	1.3	1.3	-124.61	1.0	30.0	30.8	28.2	2.56	12.006	
500.0	500.0	500.0	500.0	1.5	1.6	-127.05	1.0	30.0	31.7	28.6	3.09	10.266	
600.0	599.9	600.1	599.9	1.9	1.9	-130.05	1.0	30.0	33.1	29.3	3.80	8.715	
700.0	699.9	700.1	699.9	2.2	2.3	-132.81	1.0	30.0	34.5	30.0	4.51	7.662	
800.0	799.9	800.1	799.9	2.6	2.6	-135.35	1.0	30.0	36.0	30.8	5.22	6.907	
900.0	899.9	900.1	899.9	2.9	3.0	-137.68	1.0	30.0	37.6	31.7	5.93	6.342	
1,000.0	999.9	1,000.1	999.9	3.3	3.4	-139.81	1.0	30.0	39.2	32.6	6.64	5.906	
1,100.0	1,099.8	1,100.2	1,099.8	3.7	3.7	-141.78	1.0	30.0	40.9	33.6	7.36	5.561	
1,200.0	1,199.8	1,200.2	1,199.8	4.0	4.1	-143.58	1.0	30.0	42.7	34.6	8.07	5.283	
1,300.0	1,299.8	1,300.2	1,299.8	4.4	4.4	-145.25	1.0	30.0	44.4	35.6	8.79	5.054	
1,400.0	1,399.8	1,400.2	1,399.8	4.7	4.8	-146.78	1.0	30.0	46.2	36.7	9.51	4.863	
1,475.7	1,475.5	1,475.5	1,475.5	5.0	5.1	-147.87	1.0	30.0	47.6	37.6	10.05	4.739	
1,500.0	1,499.7	1,499.7	1,499.7	5.1	5.1	-148.17	1.0	30.0	48.0	37.8	10.22	4.698	
1,600.3	1,600.0	1,599.1	1,599.0	5.4	5.5	63.53	0.1	31.5	49.7	38.8	10.91	4.557	
1,700.0	1,699.7	1,697.6	1,697.5	5.8	5.8	26.23	-2.4	35.9	52.0	40.4	11.57	4.494	
1,800.0	1,799.7	1,796.0	1,795.5	6.1	6.2	34.22	-6.6	43.3	55.6	43.4	12.21	4.551	
1,900.0	1,899.6	1,906.4	1,892.4	6.4	6.5	43.92	-12.4	53.4	61.7	48.8	12.89	4.787	
2,000.0	1,999.4	1,992.7	1,990.5	6.8	6.9	53.59	-19.3	65.4	70.0	56.5	13.51	5.182	
2,100.0	2,099.1	2,108.4	2,088.5	7.1	7.3	62.12	-26.1	77.3	79.0	64.8	14.23	5.553	
2,200.0	2,198.6	2,209.5	2,186.4	7.5	7.7	69.80	-33.0	89.3	88.9	74.0	14.92	5.957	
2,300.0	2,298.0	2,289.2	2,284.1	7.8	8.0	76.80	-39.8	101.2	99.6	84.1	15.55	6.409	
2,400.0	2,397.1	2,387.8	2,381.7	8.2	8.3	83.23	-46.6	113.1	111.4	95.2	16.25	6.855	
2,500.0	2,496.0	2,486.2	2,479.2	8.5	8.7	89.14	-53.4	125.0	124.3	107.3	16.97	7.326	
2,600.0	2,594.7	2,584.3	2,576.4	8.9	9.1	94.59	-60.2	136.8	138.5	120.8	17.70	7.822	
2,697.6	2,690.7	2,679.9	2,671.0	9.3	9.5	99.48	-66.8	148.4	153.6	135.1	18.43	8.333	
2,700.0	2,693.0	2,682.3	2,673.3	9.3	9.5	99.60	-67.0	148.7	154.0	135.5	18.45	8.346	
2,800.0	2,791.2	2,780.0	2,770.2	9.7	9.9	104.07	-73.7	160.5	170.7	151.5	19.20	8.887	
2,900.0	2,889.3	2,877.8	2,867.0	10.1	10.2	107.73	-80.5	172.3	188.2	168.2	19.97	9.426	
3,000.0	2,987.5	2,975.6	2,963.9	10.5	10.6	110.77	-87.3	184.1	206.4	185.6	20.73	9.954	
3,100.0	3,085.7	3,073.4	3,060.7	10.9	11.0	113.32	-94.0	195.9	225.0	203.5	21.50	10.465	
3,200.0	3,183.8	3,171.2	3,157.5	11.3	11.4	115.47	-100.8	207.7	244.0	221.8	22.28	10.955	
3,300.0	3,282.0	3,269.0	3,254.4	11.7	11.8	117.32	-107.6	219.5	263.3	240.3	23.05	11.423	
3,400.0	3,380.2	3,366.8	3,351.2	12.1	12.2	118.91	-114.3	231.3	282.9	259.0	23.83	11.869	
3,500.0	3,478.4	3,464.6	3,448.1	12.6	12.6	120.30	-121.1	243.1	302.6	278.0	24.61	12.293	
3,600.0	3,576.5	3,562.4	3,544.9	13.0	13.0	121.51	-127.9	254.9	322.4	297.0	25.40	12.696	
3,700.0	3,674.7	3,660.2	3,641.7	13.4	13.4	122.59	-134.6	266.8	342.4	316.3	26.18	13.079	
3,800.0	3,772.9	3,757.9	3,738.6	13.8	13.8	123.55	-141.4	278.6	362.5	335.6	26.97	13.443	
3,900.0	3,871.1	3,855.7	3,835.4	14.3	14.2	124.40	-148.1	290.4	382.7	354.9	27.76	13.788	
4,000.0	3,969.2	3,953.5	3,932.2	14.7	14.6	125.18	-154.9	302.2	403.0	374.4	28.55	14.116	
4,100.0	4,067.4	4,051.3	4,029.1	15.1	15.0	125.87	-161.7	314.0	423.3	393.9	29.34	14.428	
4,200.0	4,165.6	4,149.1	4,125.9	15.6	15.4	126.51	-168.4	325.8	443.6	413.5	30.13	14.724	
4,300.0	4,263.7	4,246.9	4,222.8	16.0	15.8	127.09	-175.2	337.6	464.1	433.1	30.92	15.007	
4,400.0	4,361.9	4,344.7	4,319.6	16.5	16.2	127.61	-182.0	349.4	484.5	452.8	31.72	15.276	
4,500.0	4,460.1	4,442.5	4,416.4	16.9	16.6	128.10	-188.7	361.2	505.0	472.5	32.51	15.532	
4,600.0	4,558.3	4,540.3	4,513.3	17.4	17.0	128.55	-195.5	373.0	525.5	492.2	33.31	15.777	
4,700.0	4,656.4	4,638.1	4,610.1	17.8	17.4	128.97	-202.3	384.9	546.1	512.0	34.11	16.011	
4,800.0	4,754.6	4,735.9	4,707.0	18.2	17.8	129.35	-209.0	396.7	566.7	531.8	34.91	16.234	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #134H - Wellbore #1 - State Plan #1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,852.8	4,833.6	4,803.8	18.7	18.2	129.71	-215.8	408.5	587.3	551.6	35.71	16.448	
5,000.0	4,950.9	4,931.4	4,900.6	19.1	18.7	130.04	-222.6	420.3	607.9	571.4	36.51	16.652	
5,100.0	5,049.1	5,029.2	4,997.5	19.6	19.1	130.35	-229.3	432.1	628.6	591.2	37.31	16.848	
5,200.0	5,147.3	5,127.0	5,094.3	20.0	19.5	130.65	-236.1	443.9	649.2	611.1	38.11	17.036	
5,300.0	5,245.5	5,224.8	5,191.2	20.5	19.9	130.92	-242.9	455.7	669.9	631.0	38.91	17.216	
5,400.0	5,343.6	5,322.6	5,288.0	20.9	20.3	131.18	-249.6	467.5	690.6	650.9	39.71	17.389	
5,500.0	5,441.8	5,420.4	5,384.8	21.4	20.7	131.42	-256.4	479.3	711.3	670.8	40.52	17.556	
5,600.0	5,540.0	5,518.2	5,481.7	21.8	21.1	131.65	-263.2	491.1	732.0	690.7	41.32	17.716	
5,700.0	5,638.1	5,616.0	5,578.5	22.3	21.5	131.87	-269.9	502.9	752.7	710.6	42.12	17.869	
5,800.0	5,736.3	5,713.8	5,675.3	22.8	21.9	132.07	-276.7	514.8	773.5	730.5	42.93	18.017	
5,900.0	5,834.5	5,811.5	5,772.2	23.2	22.3	132.26	-283.4	526.6	794.2	750.5	43.73	18.160	
6,000.0	5,932.7	5,909.3	5,869.0	23.7	22.7	132.45	-290.2	538.4	814.9	770.4	44.54	18.297	
6,100.0	6,030.8	6,007.1	5,965.9	24.1	23.1	132.62	-297.0	550.2	835.7	790.4	45.34	18.430	
6,200.0	6,129.0	6,104.9	6,062.7	24.6	23.6	132.79	-303.7	562.0	856.5	810.3	46.15	18.558	
6,300.0	6,227.2	6,202.7	6,159.5	25.0	24.0	132.95	-310.5	573.8	877.2	830.3	46.96	18.681	
6,400.0	6,325.3	6,300.5	6,256.4	25.5	24.4	133.10	-317.3	585.6	898.0	850.3	47.77	18.801	
6,500.0	6,423.5	6,401.7	6,353.2	25.9	24.8	133.24	-324.0	597.4	918.8	870.2	48.59	18.911	
6,600.0	6,521.7	6,503.9	6,450.1	26.4	25.2	133.38	-330.8	609.2	939.6	890.2	49.41	19.015	
6,700.0	6,619.9	6,606.1	6,546.9	26.9	25.7	133.51	-337.6	621.0	960.4	910.2	50.24	19.117	
6,800.0	6,718.0	6,708.3	6,643.7	27.3	26.1	133.64	-344.3	632.9	981.2	930.1	51.06	19.215	
6,900.0	6,816.2	6,789.5	6,740.6	27.8	26.4	133.76	-351.1	644.7	1,002.0	950.2	51.81	19.341	
7,000.0	6,914.4	6,887.2	6,837.4	28.2	26.8	133.88	-357.9	656.5	1,022.8	970.2	52.62	19.439	
7,100.0	7,012.5	6,985.0	6,934.2	28.7	27.2	133.99	-364.6	668.3	1,043.6	990.2	53.42	19.534	
7,200.0	7,110.7	7,082.8	7,031.1	29.1	27.7	134.10	-371.4	680.1	1,064.4	1,010.2	54.23	19.627	
7,300.0	7,208.9	7,180.6	7,127.9	29.6	28.1	134.20	-378.2	691.9	1,085.3	1,030.2	55.04	19.716	
7,400.0	7,307.1	7,278.4	7,224.8	30.1	28.5	134.30	-384.9	703.7	1,106.1	1,050.2	55.85	19.803	
7,500.0	7,405.2	7,382.0	7,327.3	30.5	28.9	134.41	-392.0	716.1	1,126.8	1,070.1	56.71	19.869	
7,514.9	7,419.9	7,399.3	7,344.6	30.6	29.0	134.43	-393.1	718.0	1,129.8	1,073.0	56.85	19.873	
7,600.0	7,503.6	7,498.6	7,443.2	31.0	29.4	134.77	-398.6	727.6	1,145.7	1,088.1	57.65	19.874	
7,700.0	7,602.4	7,616.1	7,560.2	31.4	29.8	135.17	-403.5	736.2	1,161.2	1,102.7	58.54	19.836	
7,800.0	7,701.5	7,734.2	7,678.2	31.8	30.3	135.57	-406.7	741.7	1,173.3	1,113.9	59.38	19.757	
7,900.0	7,801.0	7,852.8	7,796.8	32.2	30.7	135.97	-408.0	744.0	1,181.9	1,121.7	60.18	19.639	
8,000.0	7,900.7	7,956.7	7,900.7	32.6	31.0	136.29	-408.0	744.0	1,187.5	1,126.6	60.87	19.509	
8,100.0	8,000.5	8,056.5	8,000.5	32.9	31.3	136.50	-408.0	744.0	1,191.2	1,129.7	61.53	19.361	
8,200.0	8,100.5	8,156.5	8,100.5	33.2	31.6	136.61	-408.0	744.0	1,193.1	1,130.9	62.18	19.188	
8,246.5	8,147.0	8,203.0	8,147.0	33.4	31.7	178.94	-408.0	744.0	1,193.3	1,130.8	62.48	19.100	
8,250.0	8,150.5	8,206.7	8,150.7	33.4	31.7	-91.50	-408.0	744.0	1,193.3	1,130.8	62.50	19.093	
8,300.0	8,200.4	8,259.6	8,203.5	33.5	31.9	-91.49	-408.0	741.3	1,193.3	1,130.5	62.79	19.004	
8,350.0	8,249.9	8,312.4	8,255.7	33.6	32.0	-91.47	-407.9	733.6	1,193.3	1,130.2	63.04	18.928	
8,400.0	8,298.7	8,365.2	8,307.0	33.7	32.1	-91.44	-407.9	721.2	1,193.2	1,130.0	63.25	18.864	
8,450.0	8,346.2	8,417.9	8,356.9	33.8	32.2	-91.40	-407.7	704.2	1,193.2	1,129.8	63.43	18.811	
8,500.0	8,392.3	8,470.5	8,404.9	33.9	32.3	-91.34	-407.6	682.7	1,193.2	1,129.6	63.58	18.768	
8,550.0	8,436.5	8,523.0	8,450.6	33.9	32.3	-91.28	-407.4	657.0	1,193.2	1,129.5	63.70	18.732	
8,600.0	8,478.5	8,575.4	8,493.7	34.0	32.4	-91.21	-407.1	627.3	1,193.1	1,129.3	63.80	18.702	
8,650.0	8,518.0	8,627.6	8,533.7	34.0	32.4	-91.12	-406.9	593.8	1,193.1	1,129.2	63.89	18.673	
8,700.0	8,554.6	8,679.6	8,570.5	34.0	32.4	-91.03	-406.6	557.1	1,193.1	1,129.1	63.99	18.644	
8,750.0	8,588.1	8,731.4	8,603.6	34.0	32.5	-90.93	-406.3	517.2	1,193.0	1,128.9	64.11	18.610	
8,800.0	8,618.3	8,782.9	8,632.9	33.9	32.5	-90.82	-406.0	474.8	1,193.0	1,128.7	64.24	18.570	
8,850.0	8,644.9	8,834.3	8,658.1	33.9	32.6	-90.71	-405.6	430.1	1,193.0	1,128.5	64.42	18.518	
8,900.0	8,667.7	8,885.5	8,679.1	33.9	32.6	-90.59	-405.3	383.5	1,192.9	1,128.3	64.64	18.454	
8,950.0	8,686.6	8,936.4	8,695.9	33.9	32.7	-90.47	-404.9	335.4	1,192.9	1,128.0	64.92	18.376	
9,000.0	8,701.3	8,987.1	8,708.3	33.9	32.8	-90.34	-404.5	286.3	1,192.9	1,127.6	65.25	18.281	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #134H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,050.0	8,711.8	9,037.5	8,716.2	33.9	33.0	-90.21	-404.1	236.5	1,192.9	1,127.2	65.64	18.172	
9,100.0	8,718.1	9,087.7	8,719.8	33.9	33.2	-90.08	-403.7	186.4	1,192.9	1,126.8	66.09	18.048	
9,120.7	8,719.4	9,108.3	8,719.9	33.9	33.2	-90.03	-403.6	165.8	1,192.9	1,126.6	66.29	17.994	
9,146.5	8,720.0	9,127.6	8,720.0	33.9	33.3	-90.00	-403.5	146.5	1,193.0	1,126.4	66.53	17.931	
9,200.0	8,720.0	9,181.1	8,720.0	34.1	33.6	-90.00	-403.4	93.0	1,193.3	1,126.1	67.16	17.769	
9,300.0	8,720.0	9,281.1	8,720.0	34.5	34.3	-90.00	-403.2	-7.0	1,193.8	1,125.3	68.57	17.410	
9,400.0	8,720.0	9,381.1	8,720.0	35.2	35.2	-90.00	-403.0	-107.0	1,194.4	1,124.1	70.30	16.990	
9,500.0	8,720.0	9,481.1	8,720.0	36.2	36.2	-90.00	-402.8	-207.0	1,194.9	1,122.6	72.32	16.522	
9,600.0	8,720.0	9,581.1	8,720.0	37.3	37.3	-90.00	-402.6	-307.0	1,195.5	1,120.9	74.61	16.023	
9,700.0	8,720.0	9,681.1	8,720.0	38.6	38.6	-90.00	-402.3	-407.0	1,196.0	1,118.9	77.14	15.504	
9,800.0	8,720.0	9,781.1	8,720.0	39.9	40.0	-90.00	-402.1	-506.9	1,196.6	1,116.7	79.90	14.976	
9,900.0	8,720.0	9,881.1	8,720.0	41.4	41.5	-90.00	-401.9	-606.9	1,197.1	1,114.3	82.85	14.449	
10,000.0	8,720.0	9,981.1	8,720.0	43.0	43.1	-90.00	-401.7	-706.9	1,197.7	1,111.7	85.99	13.929	
10,100.0	8,720.0	10,081.1	8,720.0	44.6	44.7	-90.00	-401.5	-806.9	1,198.2	1,109.0	89.28	13.421	
10,200.0	8,720.0	10,181.1	8,720.0	46.3	46.5	-90.00	-401.3	-906.9	1,198.8	1,106.1	92.71	12.930	
10,300.0	8,720.0	10,281.1	8,720.0	48.1	48.3	-90.00	-401.0	-1,006.9	1,199.3	1,103.1	96.28	12.457	
10,400.0	8,720.0	10,381.1	8,720.0	50.0	50.1	-90.00	-400.8	-1,106.9	1,199.9	1,099.9	99.96	12.004	
10,500.0	8,720.0	10,481.1	8,720.0	51.8	52.0	-90.00	-400.6	-1,206.9	1,200.5	1,096.7	103.73	11.572	
10,600.0	8,720.0	10,581.1	8,720.0	53.8	54.0	-90.00	-400.4	-1,306.9	1,201.0	1,093.4	107.60	11.161	
10,700.0	8,720.0	10,681.1	8,720.0	55.8	56.0	-90.00	-400.2	-1,406.9	1,201.6	1,090.0	111.56	10.771	
10,800.0	8,720.0	10,781.1	8,720.0	57.8	58.0	-90.00	-400.0	-1,506.9	1,202.1	1,086.5	115.58	10.401	
10,900.0	8,720.0	10,881.1	8,720.0	59.8	60.0	-90.00	-399.7	-1,606.9	1,202.7	1,083.0	119.67	10.050	
11,000.0	8,720.0	10,981.1	8,720.0	61.9	62.1	-90.00	-399.5	-1,706.9	1,203.2	1,079.4	123.82	9.717	
11,100.0	8,720.0	11,081.1	8,720.0	64.0	64.2	-90.00	-399.3	-1,806.9	1,203.8	1,075.7	128.03	9.402	
11,200.0	8,720.0	11,181.1	8,720.0	66.1	66.4	-90.00	-399.1	-1,906.9	1,204.3	1,072.0	132.28	9.104	
11,300.0	8,720.0	11,281.1	8,720.0	68.2	68.5	-90.00	-398.9	-2,006.9	1,204.9	1,068.3	136.57	8.822	
11,400.0	8,720.0	11,381.1	8,720.0	70.4	70.7	-90.00	-398.7	-2,106.9	1,205.4	1,064.5	140.91	8.555	
11,500.0	8,720.0	11,481.1	8,720.0	72.6	72.9	-90.00	-398.4	-2,206.9	1,206.0	1,060.7	145.28	8.301	
11,600.0	8,720.0	11,581.1	8,720.0	74.8	75.1	-90.00	-398.2	-2,306.9	1,206.5	1,056.8	149.69	8.060	
11,700.0	8,720.0	11,681.1	8,720.0	77.0	77.3	-90.00	-398.0	-2,406.9	1,207.1	1,053.0	154.12	7.832	
11,800.0	8,720.0	11,781.1	8,720.0	79.2	79.5	-90.00	-397.8	-2,506.9	1,207.6	1,049.0	158.59	7.615	
11,900.0	8,720.0	11,881.0	8,720.0	81.5	81.8	-90.00	-397.6	-2,606.9	1,208.2	1,045.1	163.08	7.409	
12,000.0	8,720.0	11,981.0	8,720.0	83.7	84.0	-90.00	-397.4	-2,706.9	1,208.7	1,041.1	167.59	7.212	
12,100.0	8,720.0	12,081.0	8,720.0	86.0	86.3	-90.00	-397.2	-2,806.9	1,209.3	1,037.2	172.12	7.026	
12,200.0	8,720.0	12,181.0	8,720.0	88.3	88.6	-90.00	-396.9	-2,906.9	1,209.8	1,033.2	176.68	6.848	
12,300.0	8,720.0	12,281.0	8,720.0	90.5	90.9	-90.00	-396.7	-3,006.9	1,210.4	1,029.1	181.25	6.678	
12,400.0	8,720.0	12,381.0	8,720.0	92.8	93.2	-90.00	-396.5	-3,106.9	1,210.9	1,025.1	185.84	6.516	
12,500.0	8,720.0	12,481.0	8,720.0	95.1	95.5	-90.00	-396.3	-3,206.9	1,211.5	1,021.0	190.44	6.361	
12,600.0	8,720.0	12,581.0	8,720.0	97.4	97.8	-90.00	-396.1	-3,306.9	1,212.0	1,017.0	195.06	6.214	
12,700.0	8,720.0	12,681.0	8,720.0	99.8	100.1	-90.00	-395.9	-3,406.9	1,212.6	1,012.9	199.70	6.072	
12,800.0	8,720.0	12,781.0	8,720.0	102.1	102.4	-90.00	-395.6	-3,506.9	1,213.1	1,008.8	204.34	5.937	
12,900.0	8,720.0	12,881.0	8,720.0	104.4	104.8	-90.00	-395.4	-3,606.9	1,213.7	1,004.7	209.00	5.807	
13,000.0	8,720.0	12,981.0	8,720.0	106.7	107.1	-90.00	-395.2	-3,706.9	1,214.3	1,000.6	213.67	5.683	
13,100.0	8,720.0	13,081.0	8,720.0	109.1	109.4	-90.00	-395.0	-3,806.9	1,214.8	996.5	218.35	5.564	
13,200.0	8,720.0	13,181.0	8,720.0	111.4	111.8	-90.00	-394.8	-3,906.9	1,215.4	992.3	223.04	5.449	
13,300.0	8,720.0	13,281.0	8,720.0	113.8	114.1	-90.00	-394.6	-4,006.9	1,215.9	988.2	227.74	5.339	
13,400.0	8,720.0	13,381.0	8,720.0	116.1	116.5	-90.00	-394.3	-4,106.9	1,216.5	984.0	232.45	5.233	
13,500.0	8,720.0	13,481.0	8,720.0	118.5	118.8	-90.00	-394.1	-4,206.9	1,217.0	979.9	237.16	5.132	
13,600.0	8,720.0	13,581.0	8,720.0	120.8	121.2	-90.00	-393.9	-4,306.9	1,217.6	975.7	241.89	5.034	
13,700.0	8,720.0	13,681.0	8,720.0	123.2	123.6	-90.00	-393.7	-4,406.9	1,218.1	971.5	246.62	4.939	
13,800.0	8,720.0	13,781.0	8,720.0	125.6	125.9	-90.00	-393.5	-4,506.9	1,218.7	967.3	251.35	4.848	
13,900.0	8,720.0	13,881.0	8,720.0	127.9	128.3	-90.00	-393.3	-4,606.9	1,219.2	963.1	256.10	4.761	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #134H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.0	8,720.0	13,981.0	8,720.0	130.3	130.7	-90.00	-393.1	-4,706.9	1,219.8	958.9	260.85	4.676	
14,100.0	8,720.0	14,081.0	8,720.0	132.7	133.1	-90.00	-392.8	-4,806.9	1,220.3	954.7	265.60	4.595	
14,200.0	8,720.0	14,181.0	8,720.0	135.1	135.5	-90.00	-392.6	-4,906.9	1,220.9	950.5	270.36	4.516	
14,300.0	8,720.0	14,281.0	8,720.0	137.4	137.8	-90.00	-392.4	-5,006.9	1,221.4	946.3	275.13	4.440	
14,400.0	8,720.0	14,381.0	8,720.0	139.8	140.2	-90.00	-392.2	-5,106.9	1,222.0	942.1	279.90	4.366	
14,500.0	8,720.0	14,481.0	8,720.0	142.2	142.6	-90.00	-392.0	-5,206.9	1,222.5	937.9	284.67	4.295	
14,600.0	8,720.0	14,581.0	8,720.0	144.6	145.0	-90.00	-391.8	-5,306.9	1,223.1	933.6	289.45	4.226	
14,700.0	8,720.0	14,681.0	8,720.0	147.0	147.4	-90.00	-391.5	-5,406.9	1,223.6	929.4	294.24	4.159	
14,800.0	8,720.0	14,781.0	8,720.0	149.4	149.8	-90.00	-391.3	-5,506.9	1,224.2	925.2	299.02	4.094	
14,900.0	8,720.0	14,881.0	8,720.0	151.8	152.2	-90.00	-391.1	-5,606.9	1,224.7	920.9	303.82	4.031	
15,000.0	8,720.0	14,963.3	8,720.0	154.2	154.2	-90.00	-391.1	-5,689.1	1,225.6	917.5	308.10	3.978	
15,100.0	8,720.0	15,000.0	8,720.0	156.6	155.0	-90.00	-392.0	-5,725.8	1,229.7	919.1	310.59	3.959	
15,200.0	8,720.0	15,070.7	8,720.0	159.0	156.7	-90.00	-396.4	-5,796.4	1,237.1	923.0	314.04	3.939	
15,300.0	8,720.0	15,123.9	8,720.0	161.4	158.0	-90.00	-402.0	-5,849.3	1,248.4	932.1	316.35	3.946	
15,400.0	8,720.0	15,178.4	8,720.0	163.8	159.3	-90.00	-409.8	-5,903.2	1,263.4	945.1	318.35	3.969	
15,500.0	8,720.0	15,277.0	8,720.0	166.2	161.6	-90.00	-425.5	-6,000.6	1,280.1	957.0	323.04	3.963	
15,600.0	8,720.0	15,375.6	8,720.0	168.6	163.9	-90.00	-441.2	-6,097.9	1,296.7	969.0	327.74	3.957	
15,700.0	8,720.0	15,474.2	8,720.0	171.0	166.2	-90.00	-456.9	-6,195.3	1,313.4	981.0	332.44	3.951	
15,800.0	8,720.0	15,572.8	8,720.0	173.4	168.5	-90.00	-472.6	-6,292.6	1,330.1	992.9	337.14	3.945	
15,900.0	8,720.0	15,671.4	8,720.0	175.8	170.8	-90.00	-488.3	-6,390.0	1,346.7	1,004.9	341.84	3.940	
16,000.0	8,720.0	15,770.0	8,720.0	178.2	173.1	-90.00	-504.0	-6,487.3	1,363.4	1,016.8	346.55	3.934	
16,100.0	8,720.0	15,868.6	8,720.0	180.6	175.4	-90.00	-519.6	-6,584.6	1,380.1	1,028.8	351.26	3.929	
16,200.0	8,720.0	15,967.2	8,720.0	183.0	177.7	-90.00	-535.3	-6,682.0	1,396.7	1,040.7	355.97	3.924	
16,300.0	8,720.0	16,586.1	8,720.0	185.5	192.5	-90.00	-504.8	-7,295.8	1,380.3	1,010.5	369.86	3.732	
16,400.0	8,720.0	16,684.0	8,720.0	187.9	194.8	-90.00	-484.1	-7,391.5	1,359.9	985.4	374.58	3.631	
16,500.0	8,720.0	16,781.9	8,720.0	190.3	197.1	-90.00	-463.4	-7,487.2	1,339.6	960.2	379.32	3.532	
16,600.0	8,720.0	16,879.8	8,720.0	192.7	199.4	-90.00	-442.7	-7,582.9	1,319.2	935.1	384.05	3.435	
16,700.0	8,720.0	16,977.7	8,720.0	195.1	201.7	-90.00	-422.0	-7,678.5	1,298.8	910.0	388.78	3.341	
16,800.0	8,720.0	17,044.3	8,720.0	197.5	203.3	-90.00	-408.6	-7,743.7	1,279.4	884.8	394.56	3.243	
16,900.0	8,720.0	17,100.0	8,720.0	200.0	204.6	-90.00	-398.9	-7,798.6	1,263.0	862.6	400.41	3.154	
17,000.0	8,720.0	17,163.3	8,720.0	202.4	206.1	-90.00	-389.9	-7,861.2	1,249.6	843.8	405.79	3.079	
17,100.0	8,720.0	17,223.5	8,720.0	204.8	207.6	-90.00	-383.3	-7,921.1	1,239.4	828.5	410.90	3.016	
17,200.0	8,720.0	17,284.1	8,720.0	207.2	209.0	-90.00	-378.5	-7,981.5	1,232.3	816.6	415.64	2.965	
17,300.0	8,720.0	17,344.9	8,720.0	209.6	210.5	-90.00	-375.7	-8,042.2	1,228.3	808.4	419.98	2.925	
17,367.1	8,720.0	17,385.7	8,720.0	211.3	211.5	-90.00	-374.9	-8,083.0	1,227.5	804.8	422.67	2.904	
17,400.0	8,720.0	17,405.7	8,720.0	212.1	212.0	-90.00	-374.8	-8,103.0	1,227.6	803.7	423.92	2.896	
17,500.0	8,720.0	17,505.8	8,720.0	214.5	214.4	-90.00	-375.6	-8,191.5	1,229.3	800.6	428.70	2.867	
17,600.0	8,720.0	17,605.8	8,720.0	216.9	216.8	-90.00	-376.6	-8,291.5	1,231.1	797.5	433.55	2.840	
17,700.0	8,720.0	17,705.8	8,720.0	219.3	219.2	-90.00	-377.7	-8,391.4	1,232.9	794.5	438.40	2.812	
17,800.0	8,720.0	17,805.9	8,720.0	221.8	221.7	-90.00	-378.7	-8,491.4	1,234.7	791.4	443.25	2.786	
17,900.0	8,720.0	17,905.9	8,720.0	224.2	224.1	-90.00	-379.7	-8,591.4	1,236.5	788.4	448.10	2.759	
18,000.0	8,720.0	18,005.9	8,720.0	226.6	226.5	-90.00	-380.8	-8,691.4	1,238.3	785.3	452.95	2.734	
18,100.0	8,720.0	18,105.9	8,720.0	229.1	228.9	-90.00	-381.8	-8,791.3	1,240.1	782.3	457.81	2.709	
18,200.0	8,720.0	18,205.9	8,720.0	231.5	231.4	-90.00	-382.8	-8,891.3	1,241.9	779.2	462.66	2.684	
18,300.0	8,720.0	18,305.9	8,720.0	233.9	233.8	-90.00	-383.9	-8,991.3	1,243.7	776.1	467.52	2.660	
18,400.0	8,720.0	18,406.0	8,720.0	236.3	236.2	-90.00	-384.9	-9,091.3	1,245.5	773.1	472.38	2.637	
18,500.0	8,720.0	18,506.0	8,720.0	238.8	238.7	-90.00	-385.9	-9,191.3	1,247.3	770.0	477.24	2.613	
18,600.0	8,720.0	18,606.0	8,720.0	241.2	241.1	-90.00	-386.9	-9,291.2	1,249.0	767.0	482.10	2.591	
18,700.0	8,720.0	18,706.0	8,720.0	243.6	243.5	-90.00	-388.0	-9,391.2	1,250.8	763.9	486.96	2.569	
18,800.0	8,720.0	18,806.0	8,720.0	246.1	245.9	-90.00	-389.0	-9,491.2	1,252.6	760.8	491.82	2.547	
18,900.0	8,720.0	18,906.0	8,720.0	248.5	248.4	-90.00	-390.0	-9,591.2	1,254.4	757.8	496.68	2.526	
19,000.0	8,720.0	19,006.1	8,720.0	250.9	250.8	-90.00	-391.1	-9,691.2	1,256.2	754.7	501.55	2.505	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design George - George #134H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.0	8,720.0	19,106.1	8,720.0	253.4	253.2	-90.00	-392.1	-9,791.1	1,258.0	751.6	506.41	2.484	
19,176.7	8,720.0	19,170.6	8,720.0	255.2	254.8	-90.00	-392.9	-9,867.8	1,259.4	749.6	509.85	2.470	SF

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #203H - Wellbore #1 - Final Survey — **Offset Site Error:** 0.0 usft

Survey Program: 141-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	59.47	348.0	590.0	685.0				
100.0	100.0	94.0	94.0	0.1	0.1	59.47	348.2	590.3	685.3	685.1	0.26	2,587.015	
200.0	200.0	196.8	196.8	0.5	0.4	59.45	348.7	590.7	685.9	685.1	0.89	774.583	
300.0	300.0	306.2	306.2	0.8	0.8	59.30	349.9	589.3	685.4	683.8	1.63	420.384	
400.0	400.0	415.2	415.1	1.2	1.2	-151.57	351.4	586.1	684.3	682.0	2.36	289.622	
424.5	424.5	441.9	441.8	1.3	1.3	-151.65	351.7	585.1	684.1	681.6	2.54	269.317	
500.0	500.0	524.1	523.9	1.5	1.6	-151.94	352.5	581.4	683.1	680.0	3.09	221.114	
600.0	599.9	619.0	618.7	1.9	1.9	-152.28	353.4	577.1	681.6	677.9	3.77	180.728	
700.0	699.9	711.5	711.1	2.2	2.2	-152.64	355.0	573.4	681.1	676.6	4.45	152.956	
700.9	700.8	712.3	712.0	2.2	2.2	-152.64	355.1	573.4	681.1	676.6	4.46	152.747	
800.0	799.9	803.1	802.7	2.6	2.6	-153.04	357.6	570.3	681.6	676.5	5.13	132.747	
900.0	899.9	889.6	889.0	2.9	2.9	-153.46	361.2	568.2	683.8	678.0	5.80	117.898	
1,000.0	999.9	966.2	965.5	3.3	3.1	-153.79	365.2	568.3	688.7	682.3	6.42	107.229	
1,100.0	1,099.8	1,042.5	1,041.6	3.7	3.4	-154.04	369.7	571.2	697.0	690.0	7.04	99.019	
1,200.0	1,199.8	1,131.3	1,130.1	4.0	3.7	-154.21	375.3	577.2	708.1	700.4	7.69	92.026	
1,300.0	1,299.8	1,229.3	1,227.5	4.4	4.1	-154.24	380.1	585.5	719.8	711.4	8.38	85.869	
1,400.0	1,399.8	1,362.8	1,360.6	4.7	4.5	-154.25	385.0	595.0	729.9	720.7	9.22	79.163	
1,475.7	1,475.5	1,466.9	1,464.6	5.0	4.9	-154.60	389.8	595.8	733.8	723.9	9.87	74.343	
1,500.0	1,499.7	1,487.5	1,485.1	5.1	5.0	-154.71	391.0	595.4	734.7	724.6	10.03	73.226	
1,600.3	1,600.0	1,580.8	1,578.1	5.4	5.3	55.28	397.8	592.8	737.3	726.6	10.72	68.788	
1,700.0	1,699.7	1,662.8	1,659.9	5.8	5.6	12.54	404.1	592.4	740.4	729.1	11.35	65.263	
1,800.0	1,799.7	1,749.6	1,746.4	6.1	5.9	12.14	411.7	593.5	744.0	732.0	11.99	62.055	
1,900.0	1,899.6	1,849.4	1,845.7	6.4	6.3	11.65	421.6	595.0	746.7	734.0	12.69	58.827	
2,000.0	1,999.4	1,956.9	1,952.7	6.8	6.7	11.21	431.3	596.4	747.2	733.7	13.43	55.615	
2,100.0	2,099.1	2,058.7	2,054.2	7.1	7.1	10.98	438.6	598.3	745.2	731.1	14.15	52.671	
2,200.0	2,198.6	2,154.8	2,150.1	7.5	7.4	10.80	445.2	600.5	741.8	726.9	14.84	49.989	
2,300.0	2,298.0	2,250.1	2,245.0	7.8	7.8	10.51	453.7	602.0	737.3	721.7	15.53	47.478	
2,400.0	2,397.1	2,347.4	2,341.9	8.2	8.2	10.26	462.4	604.0	731.5	715.3	16.23	45.072	
2,500.0	2,496.0	2,446.2	2,440.4	8.5	8.5	10.20	469.6	607.7	724.3	707.4	16.94	42.768	
2,600.0	2,594.7	2,551.4	2,545.1	8.9	8.9	10.05	478.3	610.6	715.2	697.5	17.68	40.460	
2,697.6	2,690.7	2,654.7	2,647.8	9.3	9.3	9.59	489.4	609.9	703.6	685.2	18.41	38.218	
2,700.0	2,693.0	2,657.1	2,650.3	9.3	9.3	9.58	489.6	609.9	703.3	684.9	18.43	38.164	
2,800.0	2,791.2	2,755.8	2,748.3	9.7	9.7	8.97	501.2	607.9	690.2	671.1	19.15	36.036	
2,900.0	2,889.3	2,852.6	2,844.3	10.1	10.1	8.37	512.6	606.3	677.4	657.6	19.87	34.092	
3,000.0	2,987.5	2,942.5	2,933.6	10.5	10.4	7.79	523.6	605.2	665.5	644.9	20.56	32.366	
3,100.0	3,085.7	3,026.3	3,016.5	10.9	10.8	7.18	535.4	605.0	655.4	634.2	21.22	30.892	
3,200.0	3,183.8	3,112.1	3,101.2	11.3	11.1	6.47	549.3	605.9	647.9	626.1	21.88	29.617	
3,300.0	3,282.0	3,199.3	3,186.8	11.7	11.5	5.59	565.7	606.8	642.3	619.7	22.54	28.490	
3,400.0	3,380.2	3,283.1	3,268.5	12.1	11.9	4.50	584.6	607.3	639.2	616.0	23.18	27.577	
3,500.0	3,478.4	3,373.6	3,356.0	12.6	12.3	3.13	607.7	607.5	638.3	614.4	23.86	26.750	
3,530.8	3,508.6	3,403.9	3,385.2	12.7	12.4	2.65	615.6	607.6	638.3	614.2	24.09	26.492	
3,600.0	3,576.5	3,474.6	3,453.4	13.0	12.7	1.52	634.2	607.6	638.3	613.7	24.63	25.912	
3,700.0	3,674.7	3,576.0	3,551.6	13.4	13.2	-0.03	659.7	607.5	637.8	612.4	25.41	25.099	
3,701.7	3,676.3	3,577.4	3,552.9	13.4	13.2	-0.05	660.0	607.5	637.8	612.4	25.42	25.088	
3,800.0	3,772.9	3,662.7	3,635.2	13.8	13.6	-1.37	682.5	607.9	639.1	613.0	26.06	24.526	
3,900.0	3,871.1	3,759.3	3,728.1	14.3	14.1	-2.91	708.9	608.6	641.8	615.0	26.79	23.954	
4,000.0	3,969.2	3,859.4	3,824.5	14.7	14.6	-4.50	736.2	609.2	644.9	617.3	27.56	23.397	
4,100.0	4,067.4	3,958.8	3,920.1	15.1	15.1	-6.05	763.1	609.7	648.3	619.9	28.32	22.887	
4,200.0	4,165.6	4,061.6	4,019.2	15.6	15.6	-7.63	790.7	610.2	651.9	622.8	29.12	22.386	
4,300.0	4,263.7	4,170.9	4,124.7	16.0	16.1	-9.27	818.7	610.2	654.7	624.7	29.98	21.839	
4,400.0	4,361.9	4,276.1	4,226.8	16.5	16.7	-10.81	844.4	609.5	656.4	625.6	30.79	21.318	
4,500.0	4,460.1	4,378.8	4,326.6	16.9	17.1	-12.29	868.7	608.7	657.9	626.4	31.58	20.831	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #203H - Wellbore #1 - Final Survey — **Offset Site Error:** 0.0 usft

Survey Program: 141-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,600.0	4,558.3	4,476.9	4,422.0	17.4	17.6	-13.69	891.5	607.9	659.5	627.2	32.34	20.394	
4,700.0	4,656.4	4,573.5	4,515.9	17.8	18.1	-15.05	914.2	607.3	661.8	628.7	33.08	20.006	
4,800.0	4,754.6	4,675.1	4,614.6	18.2	18.6	-16.46	938.0	606.8	664.4	630.6	33.86	19.621	
4,900.0	4,852.8	4,778.1	4,715.0	18.7	19.1	-17.85	961.4	606.3	666.8	632.2	34.66	19.237	
5,000.0	4,950.9	4,881.3	4,815.6	19.1	19.6	-19.19	984.1	606.0	669.0	633.5	35.47	18.863	
5,100.0	5,049.1	4,985.4	4,917.4	19.6	20.1	-20.50	1,006.3	605.8	670.8	634.5	36.28	18.492	
5,200.0	5,147.3	5,101.6	5,031.3	20.0	20.6	-21.91	1,028.9	605.3	671.2	634.1	37.17	18.057	
5,300.0	5,245.5	5,213.7	5,141.7	20.5	21.1	-23.24	1,048.1	604.5	669.6	631.5	38.02	17.608	
5,400.0	5,343.6	5,320.3	5,247.1	20.9	21.6	-24.45	1,064.8	603.8	666.8	628.0	38.84	17.170	
5,500.0	5,441.8	5,432.6	5,358.2	21.4	22.0	-25.66	1,080.6	603.5	662.9	623.2	39.66	16.712	
5,600.0	5,540.0	5,547.8	5,472.6	21.8	22.5	-26.77	1,093.8	604.0	656.9	616.4	40.49	16.224	
5,700.0	5,638.1	5,659.9	5,584.3	22.3	22.9	-27.74	1,103.8	605.5	648.8	607.6	41.27	15.721	
5,800.0	5,736.3	5,770.5	5,694.6	22.8	23.3	-28.61	1,111.3	607.7	639.0	596.9	42.04	15.200	
5,900.0	5,834.5	5,877.4	5,801.3	23.2	23.7	-29.42	1,116.9	610.0	627.8	585.0	42.79	14.672	
6,000.0	5,932.7	5,981.4	5,905.2	23.7	24.0	-30.22	1,121.1	612.3	615.7	572.1	43.54	14.140	
6,100.0	6,030.8	6,082.7	6,006.5	24.1	24.4	-31.05	1,124.8	614.2	603.1	558.8	44.29	13.616	
6,200.0	6,129.0	6,189.4	6,113.1	24.6	24.7	-31.98	1,127.9	615.8	590.0	544.9	45.03	13.101	
6,300.0	6,227.2	6,298.8	6,222.5	25.0	25.1	-33.00	1,129.3	617.0	575.2	529.5	45.75	12.573	
6,400.0	6,325.3	6,400.1	6,323.7	25.5	25.4	-34.03	1,129.3	617.6	559.4	512.9	46.49	12.033	
6,500.0	6,423.5	6,500.2	6,423.9	25.9	25.7	-35.16	1,129.1	617.6	543.4	496.1	47.24	11.503	
6,600.0	6,521.7	6,595.1	6,518.8	26.4	25.9	-36.37	1,129.0	617.0	527.7	479.7	48.03	10.986	
6,700.0	6,619.9	6,690.0	6,613.6	26.9	26.2	-37.73	1,129.6	615.7	512.9	464.0	48.84	10.501	
6,800.0	6,718.0	6,785.9	6,709.5	27.3	26.5	-39.27	1,130.8	613.7	498.9	449.3	49.68	10.043	
6,900.0	6,816.2	6,881.6	6,805.2	27.8	26.8	-40.99	1,132.4	610.8	485.8	435.3	50.53	9.614	
7,000.0	6,914.4	6,977.5	6,900.9	28.2	27.1	-42.89	1,134.5	607.2	473.7	422.3	51.41	9.214	
7,100.0	7,012.5	7,073.2	6,996.6	28.7	27.5	-44.95	1,137.0	603.0	462.6	410.3	52.31	8.843	
7,200.0	7,110.7	7,177.3	7,100.6	29.1	27.8	-47.30	1,139.2	598.5	451.7	398.5	53.19	8.492	
7,300.0	7,208.9	7,281.2	7,204.4	29.6	28.1	-49.73	1,140.1	594.3	440.1	386.1	54.07	8.139	
7,400.0	7,307.1	7,380.9	7,303.9	30.1	28.4	-52.16	1,140.0	590.7	428.5	373.5	54.99	7.792	
7,500.0	7,405.2	7,480.7	7,403.7	30.5	28.7	-54.69	1,139.5	587.4	417.1	361.1	55.92	7.458	
7,514.9	7,419.9	7,495.5	7,418.5	30.6	28.8	-55.08	1,139.4	587.0	415.4	359.3	56.06	7.409	
7,600.0	7,503.6	7,579.9	7,502.9	31.0	29.0	-57.10	1,138.5	584.4	406.6	349.7	56.86	7.150	
7,700.0	7,602.4	7,683.3	7,606.2	31.4	29.3	-59.36	1,137.2	581.7	397.7	340.0	57.74	6.888	
7,800.0	7,701.5	7,794.0	7,716.8	31.8	29.7	-61.00	1,134.2	583.1	388.3	329.8	58.45	6.643	
7,900.0	7,801.0	7,898.9	7,821.6	32.2	30.0	-61.79	1,129.8	588.2	377.8	318.7	59.13	6.389	
8,000.0	7,900.7	8,000.7	7,923.1	32.6	30.3	-62.29	1,124.7	593.0	367.8	308.0	59.82	6.149	
8,100.0	8,000.5	8,097.8	8,020.0	32.9	30.5	-62.56	1,119.5	597.0	359.0	298.4	60.55	5.928	
8,200.0	8,100.5	8,193.9	8,115.9	33.2	30.8	-62.58	1,115.1	600.2	352.4	291.1	61.27	5.751	
8,246.5	8,147.0	8,238.1	8,160.1	33.4	30.9	-20.18	1,113.3	601.4	350.1	288.5	61.59	5.683	
8,250.0	8,150.5	8,241.4	8,163.4	33.4	30.9	69.40	1,113.2	601.5	349.9	288.3	61.62	5.679	
8,300.0	8,200.4	8,288.5	8,210.4	33.5	31.1	70.05	1,111.5	602.2	347.1	285.2	61.92	5.606	
8,350.0	8,249.9	8,335.2	8,257.1	33.6	31.2	71.38	1,110.1	602.5	343.3	281.2	62.15	5.524	
8,400.0	8,298.7	8,381.4	8,303.3	33.7	31.4	73.39	1,109.0	602.4	338.7	276.4	62.30	5.436	
8,450.0	8,346.2	8,428.1	8,350.0	33.8	31.5	76.13	1,108.0	601.8	333.6	271.2	62.36	5.349	
8,500.0	8,392.3	8,474.6	8,396.4	33.9	31.6	79.59	1,107.0	601.2	328.2	265.9	62.32	5.266	
8,550.0	8,436.5	8,519.2	8,441.1	33.9	31.8	83.61	1,106.0	600.6	323.2	261.0	62.22	5.196	
8,600.0	8,478.5	8,561.8	8,483.6	34.0	31.9	87.97	1,105.0	600.0	319.6	257.6	62.06	5.150	
8,646.8	8,515.5	8,599.3	8,521.1	34.0	32.0	92.14	1,104.1	599.4	318.3	256.4	61.90	5.143	CC, ES, SF
8,650.0	8,518.0	8,601.8	8,523.7	34.0	32.0	92.43	1,104.1	599.4	318.4	256.5	61.89	5.144	
8,700.0	8,554.6	8,639.0	8,560.8	34.0	32.1	96.69	1,103.2	598.9	320.4	258.7	61.75	5.189	
8,750.0	8,588.1	8,673.0	8,594.8	34.0	32.2	100.48	1,102.4	598.5	326.8	265.1	61.70	5.296	
8,800.0	8,618.3	8,703.5	8,625.3	33.9	32.3	103.55	1,101.6	598.2	338.1	276.3	61.76	5.474	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #203H - Wellbore #1 - Final Survey

Offset Site Error: 0.0 usft

Survey Program: 141-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,850.0	8,644.9	8,730.3	8,652.1	33.9	32.4	105.71	1,100.9	597.9	354.7	292.8	61.96	5.725	
8,900.0	8,667.7	8,753.3	8,675.0	33.9	32.5	106.80	1,100.4	597.8	376.7	314.4	62.27	6.049	
8,950.0	8,686.6	8,772.2	8,693.9	33.9	32.5	106.68	1,099.9	597.7	403.5	340.9	62.64	6.443	
9,000.0	8,701.3	8,787.0	8,708.7	33.9	32.6	105.22	1,099.5	597.6	434.8	371.8	63.03	6.898	
9,050.0	8,711.8	8,797.6	8,719.4	33.9	32.6	102.26	1,099.2	597.5	469.8	406.4	63.42	7.408	
9,100.0	8,718.1	8,803.9	8,725.7	33.9	32.6	97.64	1,099.1	597.5	507.7	443.9	63.77	7.961	
9,146.5	8,720.0	8,806.0	8,727.7	33.9	32.6	91.79	1,099.0	597.5	545.0	480.9	64.07	8.506	
9,200.0	8,720.0	8,806.2	8,727.9	34.1	32.6	91.82	1,099.0	597.5	589.5	525.2	64.37	9.159	
9,300.0	8,720.0	8,806.5	8,728.2	34.5	32.6	91.88	1,099.0	597.5	676.4	611.5	64.84	10.432	
9,400.0	8,720.0	8,806.8	8,728.6	35.2	32.6	91.94	1,099.0	597.5	766.4	701.2	65.21	11.752	
9,500.0	8,720.0	8,807.2	8,728.9	36.2	32.6	92.00	1,099.0	597.5	858.6	793.1	65.51	13.107	
9,600.0	8,720.0	8,807.5	8,729.2	37.3	32.7	92.06	1,099.0	597.5	952.5	886.7	65.75	14.486	
9,700.0	8,720.0	8,807.8	8,729.6	38.6	32.7	92.12	1,099.0	597.5	1,047.4	981.5	65.95	15.882	
9,800.0	8,720.0	8,808.1	8,729.9	39.9	32.7	92.18	1,098.9	597.5	1,143.2	1,077.1	66.11	17.292	
9,900.0	8,720.0	8,808.5	8,730.2	41.4	32.7	92.24	1,098.9	597.5	1,239.7	1,173.5	66.25	18.712	
10,000.0	8,720.0	8,808.8	8,730.5	43.0	32.7	92.30	1,098.9	597.5	1,336.7	1,270.3	66.37	20.140	
10,100.0	8,720.0	8,809.1	8,730.8	44.6	32.7	92.36	1,098.9	597.5	1,434.1	1,367.6	66.48	21.573	
10,200.0	8,720.0	8,809.4	8,731.2	46.3	32.7	92.41	1,098.9	597.5	1,531.9	1,465.3	66.57	23.012	
10,300.0	8,720.0	8,809.7	8,731.5	48.1	32.7	92.47	1,098.9	597.5	1,629.9	1,563.2	66.65	24.454	
10,400.0	8,720.0	8,810.0	8,731.8	50.0	32.7	92.53	1,098.9	597.5	1,728.1	1,661.4	66.72	25.899	
10,500.0	8,720.0	8,810.3	8,732.1	51.8	32.7	92.58	1,098.9	597.5	1,826.5	1,759.8	66.79	27.347	
10,600.0	8,720.0	8,810.6	8,732.4	53.8	32.7	92.64	1,098.9	597.5	1,925.1	1,858.3	66.85	28.796	
10,700.0	8,720.0	8,810.9	8,732.7	55.8	32.7	92.69	1,098.9	597.5	2,023.9	1,957.0	66.91	30.246	
10,800.0	8,720.0	8,811.2	8,733.0	57.8	32.7	92.75	1,098.9	597.5	2,122.7	2,055.8	66.97	31.698	
10,900.0	8,720.0	8,811.5	8,733.3	59.8	32.7	92.80	1,098.9	597.5	2,221.7	2,154.7	67.02	33.150	
11,000.0	8,720.0	8,811.8	8,733.6	61.9	32.7	92.86	1,098.8	597.5	2,320.7	2,253.7	67.07	34.602	
11,100.0	8,720.0	8,812.1	8,733.9	64.0	32.7	92.91	1,098.8	597.5	2,419.8	2,352.7	67.12	36.055	
11,200.0	8,720.0	8,812.4	8,734.1	66.1	32.7	92.96	1,098.8	597.5	2,519.0	2,451.9	67.16	37.507	
11,300.0	8,720.0	8,812.7	8,734.4	68.2	32.7	93.01	1,098.8	597.5	2,618.3	2,551.1	67.21	38.960	
11,400.0	8,720.0	8,813.0	8,734.7	70.4	32.7	93.07	1,098.8	597.5	2,717.6	2,650.4	67.25	40.412	
11,500.0	8,720.0	8,813.2	8,735.0	72.6	32.7	93.12	1,098.8	597.5	2,817.0	2,749.7	67.29	41.863	
11,600.0	8,720.0	8,813.5	8,735.3	74.8	32.7	93.17	1,098.8	597.5	2,916.4	2,849.0	67.33	43.313	
11,700.0	8,720.0	8,813.8	8,735.5	77.0	32.7	93.22	1,098.8	597.5	3,015.8	2,948.4	67.37	44.763	
11,800.0	8,720.0	8,814.1	8,735.8	79.2	32.7	93.27	1,098.8	597.5	3,115.3	3,047.9	67.41	46.212	
11,900.0	8,720.0	8,814.3	8,736.1	81.5	32.7	93.32	1,098.8	597.5	3,214.8	3,147.3	67.45	47.660	
12,000.0	8,720.0	8,814.6	8,736.4	83.7	32.7	93.37	1,098.8	597.5	3,314.3	3,246.8	67.49	49.106	
12,100.0	8,720.0	8,814.9	8,736.6	86.0	32.7	93.42	1,098.8	597.5	3,413.9	3,346.4	67.53	50.552	
12,200.0	8,720.0	8,815.1	8,736.9	88.3	32.7	93.46	1,098.8	597.5	3,513.5	3,445.9	67.57	51.996	
12,300.0	8,720.0	8,815.4	8,737.2	90.5	32.7	93.51	1,098.8	597.5	3,613.1	3,545.5	67.61	53.438	
12,400.0	8,720.0	8,815.7	8,737.4	92.8	32.7	93.56	1,098.7	597.5	3,712.7	3,645.1	67.65	54.880	
12,500.0	8,720.0	8,815.9	8,737.7	95.1	32.7	93.61	1,098.7	597.5	3,812.4	3,744.7	67.69	56.319	
12,600.0	8,720.0	8,816.2	8,737.9	97.4	32.7	93.65	1,098.7	597.5	3,912.0	3,844.3	67.73	57.757	
12,700.0	8,720.0	8,816.4	8,738.2	99.8	32.7	93.70	1,098.7	597.5	4,011.7	3,944.0	67.77	59.193	
12,800.0	8,720.0	8,816.7	8,738.4	102.1	32.7	93.75	1,098.7	597.5	4,111.4	4,043.6	67.81	60.628	
12,900.0	8,720.0	8,816.9	8,738.7	104.4	32.7	93.79	1,098.7	597.5	4,211.2	4,143.3	67.86	62.061	
13,000.0	8,720.0	8,817.2	8,738.9	106.7	32.7	93.84	1,098.7	597.5	4,310.9	4,243.0	67.90	63.491	
13,100.0	8,720.0	8,817.4	8,739.2	109.1	32.7	93.88	1,098.7	597.5	4,410.6	4,342.7	67.94	64.920	
13,200.0	8,720.0	8,817.7	8,739.4	111.4	32.7	93.93	1,098.7	597.5	4,510.4	4,442.4	67.98	66.347	
13,300.0	8,720.0	8,817.9	8,739.7	113.8	32.7	93.97	1,098.7	597.5	4,610.1	4,542.1	68.02	67.772	
13,400.0	8,720.0	8,818.2	8,739.9	116.1	32.7	94.02	1,098.7	597.5	4,709.9	4,641.8	68.07	69.194	
13,500.0	8,720.0	8,818.4	8,740.2	118.5	32.7	94.06	1,098.7	597.5	4,809.7	4,741.6	68.11	70.614	
13,600.0	8,720.0	8,818.6	8,740.4	120.8	32.7	94.10	1,098.7	597.5	4,909.5	4,841.3	68.16	72.033	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #203H - Wellbore #1 - Final Survey

Offset Site Error: 0.0 usft

Survey Program: 141-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,700.0	8,720.0	8,818.9	8,740.6	123.2	32.7	94.15	1,098.7	597.5	5,009.3	4,941.1	68.20	73.448	
13,800.0	8,720.0	8,819.1	8,740.9	125.6	32.7	94.19	1,098.7	597.5	5,109.1	5,040.8	68.25	74.862	
13,900.0	8,720.0	8,819.4	8,741.1	127.9	32.7	94.23	1,098.6	597.5	5,208.9	5,140.6	68.29	76.273	
14,000.0	8,720.0	8,819.6	8,741.3	130.3	32.7	94.27	1,098.6	597.5	5,308.7	5,240.4	68.34	77.682	
14,100.0	8,720.0	8,819.8	8,741.6	132.7	32.7	94.32	1,098.6	597.5	5,408.6	5,340.2	68.39	79.088	
14,200.0	8,720.0	8,820.0	8,741.8	135.1	32.7	94.36	1,098.6	597.5	5,508.4	5,440.0	68.43	80.491	
14,300.0	8,720.0	8,820.3	8,742.0	137.4	32.7	94.40	1,098.6	597.5	5,608.2	5,539.8	68.48	81.892	
14,400.0	8,720.0	8,820.5	8,742.2	139.8	32.7	94.44	1,098.6	597.5	5,708.1	5,639.6	68.53	83.291	
14,500.0	8,720.0	8,820.7	8,742.5	142.2	32.7	94.48	1,098.6	597.5	5,807.9	5,739.4	68.58	84.686	
14,600.0	8,720.0	8,820.9	8,742.7	144.6	32.7	94.52	1,098.6	597.5	5,907.8	5,839.2	68.63	86.079	
14,700.0	8,720.0	8,821.2	8,742.9	147.0	32.7	94.56	1,098.6	597.5	6,007.7	5,939.0	68.68	87.470	
14,800.0	8,720.0	8,821.4	8,743.1	149.4	32.7	94.60	1,098.6	597.5	6,107.5	6,038.8	68.73	88.857	
14,900.0	8,720.0	8,821.6	8,743.3	151.8	32.7	94.64	1,098.6	597.5	6,207.4	6,138.6	68.79	90.242	
15,000.0	8,720.0	8,821.8	8,743.5	154.2	32.7	94.68	1,098.6	597.5	6,307.3	6,238.4	68.84	91.624	
15,100.0	8,720.0	8,822.0	8,743.8	156.6	32.7	94.72	1,098.6	597.5	6,407.1	6,338.2	68.89	93.002	
15,200.0	8,720.0	8,822.2	8,744.0	159.0	32.7	94.76	1,098.6	597.5	6,507.0	6,438.1	68.95	94.378	
15,300.0	8,720.0	8,822.4	8,744.2	161.4	32.7	94.79	1,098.6	597.5	6,606.9	6,537.9	69.00	95.751	
15,400.0	8,720.0	8,822.6	8,744.4	163.8	32.7	94.83	1,098.6	597.5	6,706.8	6,637.7	69.06	97.121	
15,500.0	8,720.0	8,822.9	8,744.6	166.2	32.7	94.87	1,098.6	597.5	6,806.7	6,737.6	69.11	98.488	
15,600.0	8,720.0	8,823.1	8,744.8	168.6	32.7	94.91	1,098.5	597.5	6,906.6	6,837.4	69.17	99.851	
15,700.0	8,720.0	8,823.3	8,745.0	171.0	32.7	94.95	1,098.5	597.5	7,006.5	6,937.3	69.23	101.212	
15,800.0	8,720.0	8,823.5	8,745.2	173.4	32.7	94.98	1,098.5	597.5	7,106.4	7,037.1	69.28	102.569	
15,900.0	8,720.0	8,823.7	8,745.4	175.8	32.7	95.02	1,098.5	597.5	7,206.3	7,136.9	69.34	103.924	
16,000.0	8,720.0	8,823.9	8,745.6	178.2	32.7	95.06	1,098.5	597.5	7,306.2	7,236.8	69.40	105.274	
16,100.0	8,720.0	8,824.1	8,745.8	180.6	32.7	95.09	1,098.5	597.5	7,406.1	7,336.6	69.46	106.622	
16,200.0	8,720.0	8,824.3	8,746.0	183.0	32.7	95.13	1,098.5	597.5	7,506.0	7,436.5	69.52	107.967	
16,300.0	8,720.0	8,824.5	8,746.2	185.5	32.7	95.16	1,098.5	597.5	7,605.9	7,536.3	69.58	109.308	
16,400.0	8,720.0	8,824.7	8,746.4	187.9	32.7	95.20	1,098.5	597.5	7,705.8	7,636.2	69.64	110.645	
16,500.0	8,720.0	8,824.8	8,746.6	190.3	32.7	95.23	1,098.5	597.5	7,805.8	7,736.1	69.71	111.980	
16,600.0	8,720.0	8,825.0	8,746.8	192.7	32.7	95.27	1,098.5	597.5	7,905.7	7,835.9	69.77	113.311	
16,700.0	8,720.0	8,825.2	8,747.0	195.1	32.7	95.30	1,098.5	597.5	8,005.6	7,935.8	69.83	114.638	
16,800.0	8,720.0	8,825.4	8,747.2	197.5	32.7	95.34	1,098.5	597.5	8,105.5	8,035.6	69.90	115.962	
16,900.0	8,720.0	8,825.6	8,747.3	200.0	32.7	95.37	1,098.5	597.5	8,205.5	8,135.5	69.96	117.283	
17,000.0	8,720.0	8,825.8	8,747.5	202.4	32.7	95.41	1,098.5	597.5	8,305.4	8,235.4	70.03	118.600	
17,100.0	8,720.0	8,826.0	8,747.7	204.8	32.7	95.44	1,098.5	597.5	8,405.3	8,335.2	70.09	119.913	
17,200.0	8,720.0	8,826.2	8,747.9	207.2	32.7	95.47	1,098.5	597.5	8,505.2	8,435.1	70.16	121.223	
17,300.0	8,720.0	8,826.3	8,748.1	209.6	32.7	95.51	1,098.5	597.4	8,605.2	8,534.9	70.23	122.530	
17,400.0	8,720.0	8,826.5	8,748.3	212.1	32.7	95.54	1,098.5	597.4	8,705.1	8,634.8	70.30	123.832	
17,500.0	8,720.0	8,826.7	8,748.4	214.5	32.7	95.57	1,098.5	597.4	8,805.0	8,734.7	70.37	125.132	
17,600.0	8,720.0	8,826.9	8,748.6	216.9	32.7	95.61	1,098.4	597.4	8,905.0	8,834.5	70.44	126.427	
17,700.0	8,720.0	8,827.1	8,748.8	219.3	32.7	95.64	1,098.4	597.4	9,004.9	8,934.4	70.51	127.719	
17,800.0	8,720.0	8,827.2	8,749.0	221.8	32.7	95.67	1,098.4	597.4	9,104.9	9,034.3	70.58	129.007	
17,900.0	8,720.0	8,827.4	8,749.2	224.2	32.7	95.70	1,098.4	597.4	9,204.8	9,134.2	70.65	130.291	
18,000.0	8,720.0	8,827.6	8,749.3	226.6	32.7	95.73	1,098.4	597.4	9,304.7	9,234.0	70.72	131.572	
18,100.0	8,720.0	8,827.8	8,749.5	229.1	32.7	95.77	1,098.4	597.4	9,404.7	9,333.9	70.79	132.849	
18,200.0	8,720.0	8,827.9	8,749.7	231.5	32.7	95.80	1,098.4	597.4	9,504.6	9,433.8	70.87	134.122	
18,300.0	8,720.0	8,828.1	8,749.8	233.9	32.7	95.83	1,098.4	597.4	9,604.6	9,533.6	70.94	135.392	
18,400.0	8,720.0	8,828.3	8,750.0	236.3	32.7	95.86	1,098.4	597.4	9,704.5	9,633.5	71.01	136.657	
18,500.0	8,720.0	8,828.4	8,750.2	238.8	32.7	95.89	1,098.4	597.4	9,804.5	9,733.4	71.09	137.919	
18,600.0	8,720.0	8,828.6	8,750.4	241.2	32.7	95.92	1,098.4	597.4	9,904.4	9,833.3	71.16	139.177	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #207H - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 usft

Survey Program: 84-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	60.41	318.0	560.0	644.0				
100.0	100.0	92.5	92.5	0.1	0.1	60.44	318.0	560.7	644.6	644.3	0.27	2,419.594	
200.0	200.0	193.5	193.5	0.5	0.5	60.48	318.1	561.7	645.5	644.5	0.98	658.135	
300.0	300.0	296.1	296.1	0.8	0.9	60.53	318.0	562.6	646.2	644.5	1.71	379.003	
400.0	400.0	400.9	400.9	1.2	1.2	-149.94	316.5	563.5	647.0	644.6	2.42	267.330	
424.5	424.5	426.1	426.0	1.3	1.3	-149.92	316.0	563.6	647.3	644.8	2.59	249.780	
500.0	500.0	503.6	503.5	1.5	1.6	-149.83	314.2	564.2	648.4	645.2	3.12	207.549	
600.0	599.9	606.2	606.0	1.9	2.0	-149.50	309.5	565.7	649.3	645.5	3.84	169.119	
700.0	699.9	705.0	704.7	2.2	2.3	-149.17	304.8	567.1	650.1	645.6	4.55	142.958	
800.0	799.9	804.5	804.2	2.6	2.7	-148.93	301.0	568.2	651.2	645.9	5.26	123.781	
900.0	899.9	905.4	905.0	2.9	3.0	-148.75	297.8	569.0	652.2	646.2	5.98	109.079	
1,000.0	999.9	1,001.4	1,000.9	3.3	3.4	-148.64	295.5	569.5	653.4	646.7	6.68	97.812	
1,100.0	1,099.8	1,093.9	1,093.4	3.7	3.7	-148.56	293.9	570.6	655.4	648.1	7.37	88.962	
1,200.0	1,199.8	1,187.9	1,187.4	4.0	4.1	-148.55	293.3	572.2	658.6	650.5	8.06	81.752	
1,300.0	1,299.8	1,288.6	1,288.1	4.4	4.4	-148.66	294.3	573.7	662.2	653.4	8.76	75.605	
1,400.0	1,399.8	1,397.2	1,396.7	4.7	4.8	-148.91	296.3	573.9	665.1	655.6	9.48	70.160	
1,475.7	1,475.5	1,480.0	1,479.5	5.0	5.0	-149.12	297.5	573.0	666.3	656.3	10.02	66.467	
1,500.0	1,499.7	1,505.4	1,504.8	5.1	5.1	-149.17	297.7	572.6	666.5	656.3	10.20	65.366	
1,600.3	1,600.0	1,608.1	1,607.6	5.4	5.5	61.32	297.7	571.4	666.1	655.2	10.89	61.155	
1,700.0	1,699.7	1,707.7	1,707.1	5.8	5.8	19.07	296.6	570.5	664.0	652.4	11.57	57.376	
1,800.0	1,799.7	1,807.2	1,806.6	6.1	6.2	19.22	295.4	569.7	660.3	648.1	12.26	53.865	
1,900.0	1,899.6	1,903.7	1,903.1	6.4	6.5	19.42	294.2	569.2	655.1	642.2	12.94	50.637	
2,000.0	1,999.4	1,995.7	1,995.1	6.8	6.8	19.72	293.0	569.7	649.3	635.7	13.60	47.725	
2,100.0	2,099.1	2,087.9	2,087.2	7.1	7.2	20.12	291.9	571.5	643.0	628.8	14.27	45.058	
2,200.0	2,198.6	2,184.8	2,184.1	7.5	7.5	20.57	291.5	573.9	636.1	621.1	14.96	42.529	
2,300.0	2,298.0	2,282.9	2,282.2	7.8	7.9	21.10	291.1	576.5	627.6	612.0	15.65	40.108	
2,400.0	2,397.1	2,376.7	2,375.9	8.2	8.2	21.77	290.1	579.9	618.2	601.9	16.33	37.866	
2,500.0	2,496.0	2,472.3	2,471.4	8.5	8.5	22.58	289.0	584.3	608.2	591.2	17.01	35.748	
2,600.0	2,594.7	2,575.9	2,575.0	8.9	8.9	23.44	288.9	588.6	596.6	578.9	17.74	33.640	
2,697.6	2,690.7	2,674.8	2,673.8	9.3	9.2	24.27	289.5	591.3	583.1	564.6	18.43	31.632	
2,700.0	2,693.0	2,677.2	2,676.2	9.3	9.2	24.29	289.5	591.4	582.7	564.3	18.45	31.583	
2,800.0	2,791.2	2,776.5	2,775.5	9.7	9.6	25.12	290.2	593.9	568.0	548.8	19.16	29.650	
2,900.0	2,889.3	2,885.9	2,884.8	10.1	10.0	26.20	289.7	596.5	552.7	532.8	19.90	27.771	
3,000.0	2,987.5	3,003.3	3,002.1	10.5	10.4	27.86	284.3	597.2	534.7	514.0	20.66	25.876	
3,100.0	3,085.7	3,107.7	3,106.3	10.9	10.8	29.57	277.5	595.3	514.0	492.6	21.39	24.035	
3,200.0	3,183.8	3,205.6	3,203.9	11.3	11.1	31.33	270.7	593.2	493.3	471.2	22.11	22.315	
3,300.0	3,282.0	3,302.6	3,300.6	11.7	11.5	33.24	263.9	590.9	473.0	450.2	22.84	20.712	
3,400.0	3,380.2	3,398.7	3,396.4	12.1	11.8	35.29	257.1	588.6	453.2	429.6	23.57	19.226	
3,500.0	3,478.4	3,495.2	3,492.6	12.6	12.2	37.56	250.1	586.5	434.2	409.9	24.32	17.852	
3,600.0	3,576.5	3,591.3	3,588.5	13.0	12.5	39.97	243.5	584.4	415.9	390.8	25.08	16.584	
3,700.0	3,674.7	3,686.1	3,683.1	13.4	12.8	42.53	237.1	582.6	398.8	372.9	25.85	15.427	
3,800.0	3,772.9	3,783.2	3,780.0	13.8	13.2	45.34	230.8	580.9	382.7	356.1	26.63	14.371	
3,900.0	3,871.1	3,880.8	3,877.3	14.3	13.6	48.57	223.3	579.1	367.5	340.1	27.43	13.398	
4,000.0	3,969.2	3,976.6	3,972.6	14.7	13.9	52.23	214.5	577.3	353.6	325.4	28.25	12.518	
4,100.0	4,067.4	4,072.0	4,067.6	15.1	14.3	56.15	205.6	575.6	341.6	312.5	29.08	11.745	
4,200.0	4,165.6	4,168.5	4,163.7	15.6	14.6	60.36	196.6	573.9	331.4	301.4	29.93	11.073	
4,300.0	4,263.7	4,263.2	4,257.9	16.0	15.0	64.70	187.7	572.5	323.4	292.6	30.77	10.509	
4,400.0	4,361.9	4,359.7	4,354.0	16.5	15.3	69.27	178.8	571.3	317.7	286.0	31.62	10.046	
4,500.0	4,460.1	4,455.6	4,449.5	16.9	15.7	73.90	170.1	570.2	314.2	281.7	32.46	9.679	
4,587.5	4,546.0	4,539.0	4,532.6	17.3	16.0	77.98	162.5	569.4	313.2	280.0	33.18	9.438	CC
4,600.0	4,558.3	4,550.9	4,544.4	17.4	16.1	78.56	161.4	569.3	313.2	279.9	33.29	9.409	ES
4,700.0	4,656.4	4,646.6	4,639.7	17.8	16.4	83.21	152.6	568.7	314.8	280.7	34.09	9.234	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #207H - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 usft

Survey Program: 84-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	4,743.7	4,736.5	18.2	16.8	87.85	143.8	568.1	318.6	283.7	34.89	9.130	
4,900.0	4,852.8	4,840.5	4,832.8	18.7	17.1	92.31	135.1	567.5	324.3	288.7	35.67	9.093	SF
5,000.0	4,950.9	4,937.5	4,929.4	19.1	17.5	96.59	126.7	566.9	332.0	295.5	36.42	9.115	
5,100.0	5,049.1	5,035.4	5,027.0	19.6	17.9	100.60	118.8	566.6	341.2	304.0	37.17	9.180	
5,200.0	5,147.3	5,134.4	5,125.8	20.0	18.2	104.28	111.7	566.9	351.5	313.6	37.91	9.271	
5,300.0	5,245.5	5,234.8	5,226.0	20.5	18.6	107.69	105.5	567.4	362.4	323.8	38.66	9.375	
5,400.0	5,343.6	5,335.5	5,326.6	20.9	19.0	111.03	99.9	566.6	373.5	334.2	39.39	9.483	
5,500.0	5,441.8	5,432.7	5,423.6	21.4	19.3	114.25	94.4	564.5	385.3	345.2	40.08	9.612	
5,600.0	5,540.0	5,530.0	5,520.7	21.8	19.7	117.26	88.9	562.6	398.4	357.6	40.77	9.771	
5,700.0	5,638.1	5,626.9	5,617.4	22.3	20.1	120.06	83.5	560.7	412.3	370.8	41.45	9.947	
5,800.0	5,736.3	5,733.3	5,723.7	22.8	20.4	122.90	78.5	558.6	426.5	384.3	42.19	10.108	
5,900.0	5,834.5	5,833.8	5,824.1	23.2	20.8	125.36	75.7	556.6	439.6	396.7	42.89	10.249	
6,000.0	5,932.7	5,932.0	5,922.2	23.7	21.1	127.64	73.2	554.4	453.2	409.6	43.57	10.401	
6,100.0	6,030.8	6,030.2	6,020.4	24.1	21.5	129.80	70.8	552.0	467.3	423.0	44.24	10.561	
6,200.0	6,129.0	6,127.6	6,117.8	24.6	21.8	131.83	68.5	549.7	481.9	437.0	44.91	10.731	
6,300.0	6,227.2	6,232.5	6,222.6	25.0	22.2	133.78	66.9	547.9	496.4	450.7	45.63	10.878	
6,400.0	6,325.3	6,331.8	6,321.9	25.5	22.6	135.44	66.3	547.0	510.4	464.1	46.32	11.020	
6,500.0	6,423.5	6,428.3	6,418.4	25.9	22.9	137.02	65.7	545.6	524.9	477.9	46.98	11.173	
6,600.0	6,521.7	6,526.2	6,516.2	26.4	23.2	138.59	64.9	543.6	539.9	492.3	47.65	11.330	
6,700.0	6,619.9	6,625.3	6,615.4	26.9	23.6	140.13	64.2	541.3	555.3	507.0	48.33	11.490	
6,800.0	6,718.0	6,724.3	6,714.4	27.3	23.9	141.47	63.9	540.2	570.5	521.5	49.01	11.639	
6,900.0	6,816.2	6,821.1	6,811.1	27.8	24.2	142.70	63.3	539.2	586.4	536.7	49.69	11.801	
7,000.0	6,914.4	6,918.8	6,908.9	28.2	24.6	143.81	62.8	538.8	602.3	551.9	50.38	11.955	
7,100.0	7,012.5	7,016.0	7,006.0	28.7	24.9	144.81	61.8	539.0	618.8	567.8	51.07	12.118	
7,200.0	7,110.7	7,120.6	7,110.7	29.1	25.3	145.78	61.2	539.8	635.0	583.2	51.80	12.258	
7,300.0	7,208.9	7,225.7	7,215.7	29.6	25.6	146.67	61.7	541.2	650.2	597.7	52.53	12.377	
7,400.0	7,307.1	7,326.6	7,316.6	30.1	26.0	147.45	62.9	543.0	664.8	611.6	53.24	12.488	
7,500.0	7,405.2	7,419.2	7,409.1	30.5	26.3	148.20	63.9	543.9	679.8	625.9	53.89	12.614	
7,514.9	7,419.9	7,432.8	7,422.7	30.6	26.3	148.31	64.0	543.9	682.2	628.2	53.99	12.635	
7,600.0	7,503.6	7,511.1	7,501.1	31.0	26.6	149.08	64.2	543.3	695.1	640.6	54.53	12.746	
7,700.0	7,602.4	7,609.7	7,599.6	31.4	26.9	149.97	64.3	541.6	708.8	653.6	55.21	12.839	
7,800.0	7,701.5	7,731.5	7,721.4	31.8	27.3	150.96	66.5	538.4	719.0	663.0	56.00	12.839	
7,900.0	7,801.0	7,840.7	7,830.5	32.2	27.7	151.55	70.7	537.9	724.5	667.8	56.71	12.777	
8,000.0	7,900.7	7,938.2	7,927.9	32.6	28.0	151.97	75.1	537.6	727.0	669.6	57.37	12.672	
8,100.0	8,000.5	8,022.9	8,012.5	32.9	28.3	152.33	78.1	535.8	728.6	670.7	57.97	12.570	
8,200.0	8,100.5	8,106.9	8,096.5	33.2	28.6	152.64	79.2	533.2	730.4	671.8	58.54	12.477	
8,246.5	8,147.0	8,152.8	8,142.3	33.4	28.7	-164.95	79.3	532.2	730.8	672.0	58.84	12.420	
8,250.0	8,150.5	8,156.2	8,145.8	33.4	28.7	-75.38	79.3	532.2	730.9	672.0	58.87	12.415	
8,300.0	8,200.4	8,207.9	8,197.5	33.5	28.9	-75.60	79.1	531.9	730.5	671.3	59.21	12.337	
8,350.0	8,249.9	8,261.7	8,251.2	33.6	29.1	-76.38	78.9	532.6	728.8	669.2	59.58	12.232	
8,400.0	8,298.7	8,311.8	8,301.3	33.7	29.3	-77.61	78.8	534.0	726.0	666.1	59.93	12.114	
8,450.0	8,346.2	8,359.6	8,349.1	33.8	29.4	-79.19	78.8	535.4	722.5	662.2	60.27	11.987	
8,500.0	8,392.3	8,404.7	8,394.2	33.9	29.6	-81.05	78.7	536.7	718.6	658.0	60.61	11.857	
8,550.0	8,436.5	8,447.5	8,437.0	33.9	29.7	-83.11	78.6	538.1	714.8	653.9	60.94	11.730	
8,600.0	8,478.5	8,488.1	8,477.5	34.0	29.9	-85.29	78.5	539.4	711.5	650.2	61.28	11.611	
8,650.0	8,518.0	8,526.0	8,515.4	34.0	30.0	-87.48	78.4	540.8	709.2	647.6	61.61	11.510	
8,700.0	8,554.6	8,561.1	8,550.5	34.0	30.1	-89.58	78.2	542.1	708.2	646.3	61.95	11.433	
8,701.6	8,555.7	8,562.2	8,551.6	34.0	30.1	-89.65	78.2	542.1	708.2	646.3	61.96	11.430	
8,750.0	8,588.1	8,595.1	8,584.5	34.0	30.2	-91.59	78.1	543.2	709.2	646.9	62.30	11.383	
8,800.0	8,618.3	8,626.0	8,615.4	33.9	30.4	-93.30	78.0	544.1	712.3	649.7	62.64	11.371	
8,850.0	8,644.9	8,653.5	8,642.9	33.9	30.4	-94.62	78.0	544.7	718.1	655.1	62.98	11.401	
8,900.0	8,667.7	8,677.6	8,667.0	33.9	30.5	-95.48	78.1	545.1	726.7	663.4	63.31	11.479	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #207H - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 usft

Survey Program: 84-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,950.0	8,686.6	8,697.9	8,687.3	33.9	30.6	-95.80	78.2	545.4	738.4	674.8	63.61	11.608	
9,000.0	8,701.3	8,714.1	8,703.5	33.9	30.7	-95.49	78.3	545.5	753.3	689.4	63.89	11.790	
9,050.0	8,711.8	8,725.9	8,715.3	33.9	30.7	-94.49	78.3	545.5	771.3	707.1	64.13	12.026	
9,100.0	8,718.1	8,733.1	8,722.4	33.9	30.7	-92.76	78.4	545.5	792.2	727.9	64.33	12.315	
9,146.5	8,720.0	8,735.4	8,724.7	33.9	30.7	-90.47	78.4	545.5	814.1	749.6	64.47	12.627	
9,200.0	8,720.0	8,735.4	8,724.8	34.1	30.7	-90.47	78.4	545.5	841.8	777.2	64.61	13.029	
9,300.0	8,720.0	8,735.6	8,725.0	34.5	30.7	-90.49	78.4	545.5	899.8	835.0	64.82	13.881	
9,400.0	8,720.0	8,735.8	8,725.1	35.2	30.7	-90.50	78.4	545.5	964.7	899.8	64.99	14.845	
9,500.0	8,720.0	8,736.0	8,725.3	36.2	30.7	-90.51	78.4	545.5	1,035.3	970.2	65.12	15.899	
9,600.0	8,720.0	8,736.2	8,725.5	37.3	30.7	-90.53	78.4	545.5	1,110.3	1,045.1	65.21	17.027	
9,700.0	8,720.0	8,736.4	8,725.7	38.6	30.7	-90.55	78.4	545.5	1,189.1	1,123.8	65.28	18.214	
9,800.0	8,720.0	8,736.6	8,726.0	39.9	30.7	-90.57	78.4	545.5	1,270.8	1,205.5	65.34	19.451	
9,900.0	8,720.0	8,736.9	8,726.2	41.4	30.7	-90.59	78.4	545.5	1,355.0	1,289.6	65.37	20.727	
10,000.0	8,720.0	8,737.1	8,726.5	43.0	30.7	-90.61	78.4	545.5	1,441.2	1,375.8	65.40	22.036	
10,100.0	8,720.0	8,737.4	8,726.8	44.6	30.7	-90.63	78.4	545.5	1,529.1	1,463.7	65.43	23.372	
10,200.0	8,720.0	8,737.7	8,727.1	46.3	30.7	-90.66	78.4	545.5	1,618.4	1,553.0	65.44	24.730	
10,300.0	8,720.0	8,738.1	8,727.4	48.1	30.7	-90.68	78.4	545.5	1,708.9	1,643.4	65.46	26.107	
10,400.0	8,720.0	8,738.4	8,727.8	50.0	30.7	-90.72	78.4	545.5	1,800.4	1,734.9	65.47	27.500	
10,500.0	8,720.0	8,738.9	8,728.2	51.8	30.7	-90.75	78.4	545.5	1,892.7	1,827.3	65.48	28.906	
10,600.0	8,720.0	8,739.3	8,728.7	53.8	30.7	-90.79	78.4	545.5	1,985.8	1,920.3	65.49	30.323	
10,700.0	8,720.0	8,739.9	8,729.2	55.8	30.7	-90.83	78.4	545.5	2,079.6	2,014.1	65.50	31.750	
10,800.0	8,720.0	8,740.4	8,729.8	57.8	30.7	-90.88	78.4	545.5	2,173.9	2,108.4	65.51	33.185	
10,900.0	8,720.0	8,741.1	8,730.5	59.8	30.7	-90.93	78.5	545.5	2,268.6	2,203.1	65.52	34.626	
11,000.0	8,720.0	8,741.9	8,731.2	61.9	30.7	-90.99	78.5	545.5	2,363.9	2,298.3	65.53	36.074	
11,100.0	8,720.0	8,742.7	8,732.1	64.0	30.8	-91.06	78.5	545.5	2,459.4	2,393.9	65.54	37.526	
11,200.0	8,720.0	8,743.8	8,733.1	66.1	30.8	-91.14	78.5	545.5	2,555.4	2,489.8	65.55	38.982	
11,300.0	8,720.0	8,745.0	8,734.3	68.2	30.8	-91.24	78.5	545.5	2,651.6	2,586.0	65.57	40.441	
11,400.0	8,720.0	8,746.4	8,735.7	70.4	30.8	-91.36	78.5	545.5	2,748.1	2,682.5	65.58	41.904	
11,500.0	8,720.0	8,748.1	8,737.5	72.6	30.8	-91.50	78.5	545.5	2,844.8	2,779.2	65.60	43.368	
11,600.0	8,720.0	8,750.3	8,739.7	74.8	30.8	-91.68	78.5	545.5	2,941.8	2,876.2	65.62	44.833	
11,700.0	8,720.0	8,753.1	8,742.5	77.0	30.8	-91.90	78.6	545.4	3,039.0	2,973.3	65.64	46.299	
11,800.0	8,720.0	8,756.8	8,746.2	79.2	30.8	-92.20	78.6	545.4	3,136.3	3,070.6	65.66	47.764	
11,900.0	8,720.0	8,762.0	8,751.4	81.5	30.8	-92.62	78.6	545.4	3,233.8	3,168.1	65.69	49.228	
12,000.0	8,720.0	12,000.0	8,694.1	83.7	41.8	-87.99	78.3	545.1	3,331.2	3,254.5	76.72	43.420	
12,100.0	8,720.0	12,100.0	8,693.2	86.0	42.1	-87.92	78.3	545.1	3,429.0	3,351.9	77.08	44.487	
12,200.0	8,720.0	12,200.0	8,692.4	88.3	42.4	-87.85	78.3	545.1	3,526.9	3,449.4	77.44	45.545	
12,300.0	8,720.0	8,748.4	8,737.7	90.5	30.8	-91.52	78.5	545.5	3,625.1	3,559.4	65.74	55.144	
12,400.0	8,720.0	8,748.8	8,738.2	92.8	30.8	-91.55	78.5	545.5	3,723.3	3,657.5	65.76	56.617	
12,500.0	8,720.0	8,749.2	8,738.6	95.1	30.8	-91.59	78.5	545.5	3,821.5	3,755.7	65.79	58.089	
12,600.0	8,720.0	12,600.0	8,688.9	97.4	43.8	-87.57	78.3	545.1	3,919.5	3,840.7	78.89	49.686	
12,700.0	8,720.0	12,700.0	8,688.0	99.8	44.1	-87.50	78.3	545.1	4,017.9	3,938.7	79.25	50.699	
12,800.0	8,720.0	12,800.0	8,687.2	102.1	44.5	-87.43	78.3	545.1	4,116.4	4,036.8	79.62	51.703	
12,900.0	8,720.0	12,900.0	8,686.3	104.4	44.8	-87.36	78.3	545.1	4,214.9	4,135.0	79.98	52.698	
13,000.0	8,720.0	8,600.4	8,589.8	106.7	30.3	-79.66	78.0	543.4	4,313.8	4,248.2	65.58	65.778	
13,100.0	8,720.0	8,579.6	8,569.0	109.1	30.2	-78.05	78.1	542.7	4,412.4	4,346.8	65.56	67.302	
13,200.0	8,720.0	8,557.0	8,546.4	111.4	30.1	-76.31	78.2	541.9	4,511.0	4,445.5	65.54	68.831	
13,300.0	8,720.0	8,553.6	8,543.0	113.8	30.1	-76.04	78.2	541.8	4,609.8	4,544.2	65.56	70.311	
13,400.0	8,720.0	8,550.6	8,540.0	116.1	30.1	-75.82	78.2	541.7	4,708.5	4,642.9	65.59	71.788	
13,500.0	8,720.0	8,547.6	8,537.0	118.5	30.1	-75.59	78.3	541.6	4,807.3	4,741.7	65.62	73.264	
13,600.0	8,720.0	8,544.6	8,534.1	120.8	30.1	-75.37	78.3	541.5	4,906.2	4,840.5	65.65	74.738	
13,700.0	8,720.0	8,541.7	8,531.1	123.2	30.1	-75.14	78.3	541.3	5,005.1	4,939.4	65.68	76.210	
13,800.0	8,720.0	8,538.8	8,528.2	125.6	30.1	-74.93	78.3	541.2	5,104.0	5,038.3	65.71	77.680	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #207H - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 usft

Survey Program: 84-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,900.0	8,720.0	8,536.0	8,525.4	127.9	30.0	-74.71	78.3	541.1	5,203.0	5,137.3	65.74	79.149	
14,000.0	8,720.0	8,533.1	8,522.5	130.3	30.0	-74.50	78.3	541.0	5,302.0	5,236.3	65.77	80.615	
14,100.0	8,720.0	8,530.3	8,519.7	132.7	30.0	-74.28	78.3	540.9	5,401.1	5,335.3	65.80	82.080	
14,200.0	8,720.0	8,527.5	8,516.9	135.1	30.0	-74.07	78.4	540.8	5,500.2	5,434.3	65.84	83.542	
14,300.0	8,720.0	8,524.7	8,514.1	137.4	30.0	-73.87	78.4	540.7	5,599.3	5,533.4	65.87	85.002	
14,400.0	8,720.0	8,522.0	8,511.4	139.8	30.0	-73.66	78.4	540.6	5,698.4	5,632.5	65.91	86.459	
14,500.0	8,720.0	8,519.2	8,508.6	142.2	30.0	-73.46	78.4	540.5	5,797.6	5,731.7	65.95	87.915	
14,600.0	8,720.0	8,516.5	8,505.9	144.6	30.0	-73.25	78.4	540.4	5,896.8	5,830.8	65.98	89.368	
14,700.0	8,720.0	8,513.8	8,503.2	147.0	30.0	-73.06	78.4	540.3	5,996.0	5,930.0	66.02	90.818	
14,800.0	8,720.0	8,511.2	8,500.6	149.4	30.0	-72.86	78.4	540.2	6,095.3	6,029.2	66.06	92.266	
14,900.0	8,720.0	8,508.5	8,497.9	151.8	30.0	-72.66	78.4	540.1	6,194.5	6,128.4	66.10	93.711	
15,000.0	8,720.0	8,505.9	8,495.3	154.2	29.9	-72.47	78.4	540.0	6,293.8	6,227.7	66.14	95.153	
15,100.0	8,720.0	8,503.3	8,492.7	156.6	29.9	-72.28	78.5	540.0	6,393.1	6,327.0	66.19	96.593	
15,200.0	8,720.0	8,500.7	8,490.1	159.0	29.9	-72.09	78.5	539.9	6,492.5	6,426.2	66.23	98.030	
15,300.0	8,720.0	8,498.1	8,487.6	161.4	29.9	-71.90	78.5	539.8	6,591.8	6,525.6	66.27	99.464	
15,400.0	8,720.0	8,495.6	8,485.0	163.8	29.9	-71.71	78.5	539.7	6,691.2	6,624.9	66.32	100.895	
15,500.0	8,720.0	8,493.1	8,482.5	166.2	29.9	-71.53	78.5	539.6	6,790.6	6,724.2	66.36	102.323	
15,600.0	8,720.0	8,490.6	8,480.0	168.6	29.9	-71.35	78.5	539.5	6,890.0	6,823.6	66.41	103.748	
15,700.0	8,720.0	8,488.1	8,477.5	171.0	29.9	-71.17	78.5	539.4	6,989.4	6,922.9	66.46	105.170	
15,800.0	8,720.0	8,485.6	8,475.0	173.4	29.9	-70.99	78.5	539.3	7,088.8	7,022.3	66.51	106.589	
15,900.0	8,720.0	8,483.2	8,472.6	175.8	29.9	-70.81	78.5	539.3	7,188.3	7,121.7	66.56	108.004	
16,000.0	8,720.0	8,480.7	8,470.2	178.2	29.9	-70.64	78.5	539.2	7,287.7	7,221.1	66.61	109.417	
16,100.0	8,720.0	8,478.3	8,467.8	180.6	29.8	-70.46	78.5	539.1	7,387.2	7,320.6	66.66	110.826	
16,200.0	8,720.0	8,475.9	8,465.4	183.0	29.8	-70.29	78.6	539.0	7,486.7	7,420.0	66.71	112.232	
16,300.0	8,720.0	8,473.6	8,463.0	185.5	29.8	-70.12	78.6	538.9	7,586.2	7,519.4	66.76	113.635	
16,400.0	8,720.0	8,471.2	8,460.6	187.9	29.8	-69.95	78.6	538.9	7,685.7	7,618.9	66.81	115.034	
16,500.0	8,720.0	8,463.0	8,452.5	190.3	29.8	-69.37	78.6	538.6	7,785.2	7,718.4	66.85	116.451	
16,600.0	8,720.0	8,463.0	8,452.5	192.7	29.8	-69.37	78.6	538.6	7,884.8	7,817.9	66.91	117.835	
16,700.0	8,720.0	8,463.0	8,452.5	195.1	29.8	-69.37	78.6	538.6	7,984.3	7,917.3	66.97	119.216	
16,800.0	8,720.0	8,463.0	8,452.5	197.5	29.8	-69.37	78.6	538.6	8,083.9	8,016.8	67.03	120.592	
16,900.0	8,720.0	8,463.0	8,452.5	200.0	29.8	-69.37	78.6	538.6	8,183.4	8,116.3	67.10	121.965	
17,000.0	8,720.0	8,456.8	8,446.3	202.4	29.8	-68.93	78.6	538.4	8,283.0	8,215.9	67.15	123.358	
17,100.0	8,720.0	8,454.3	8,443.8	204.8	29.8	-68.76	78.6	538.3	8,382.6	8,315.4	67.20	124.734	
17,200.0	8,720.0	8,451.9	8,441.3	207.2	29.8	-68.58	78.6	538.2	8,482.2	8,414.9	67.26	126.106	
17,300.0	8,720.0	8,449.4	8,438.9	209.6	29.7	-68.41	78.6	538.1	8,581.8	8,514.5	67.32	127.474	
17,400.0	8,720.0	8,447.0	8,436.4	212.1	29.7	-68.24	78.6	538.1	8,681.4	8,614.0	67.38	128.838	
17,500.0	8,720.0	8,444.5	8,434.0	214.5	29.7	-68.07	78.7	538.0	8,781.0	8,713.6	67.44	130.199	
17,600.0	8,720.0	8,442.1	8,431.6	216.9	29.7	-67.90	78.7	537.9	8,880.7	8,813.1	67.50	131.556	
17,700.0	8,720.0	8,439.7	8,429.2	219.3	29.7	-67.74	78.7	537.8	8,980.3	8,912.7	67.57	132.909	
17,800.0	8,720.0	8,437.3	8,426.8	221.8	29.7	-67.57	78.7	537.8	9,079.9	9,012.3	67.63	134.258	
17,900.0	8,720.0	8,435.0	8,424.4	224.2	29.7	-67.41	78.7	537.7	9,179.6	9,111.9	67.69	135.604	
18,000.0	8,720.0	8,432.6	8,422.1	226.6	29.7	-67.24	78.7	537.6	9,279.2	9,211.5	67.76	136.946	
18,100.0	8,720.0	8,430.2	8,419.7	229.1	29.7	-67.08	78.7	537.5	9,378.9	9,311.1	67.82	138.283	
18,200.0	8,720.0	8,427.9	8,417.4	231.5	29.7	-66.92	78.7	537.4	9,478.6	9,410.7	67.89	139.617	
18,300.0	8,720.0	8,425.6	8,415.1	233.9	29.7	-66.76	78.7	537.4	9,578.2	9,510.3	67.96	140.947	
18,400.0	8,720.0	8,423.3	8,412.7	236.3	29.7	-66.60	78.7	537.3	9,677.9	9,609.9	68.02	142.273	
18,500.0	8,720.0	8,421.0	8,410.4	238.8	29.7	-66.45	78.7	537.2	9,777.6	9,709.5	68.09	143.595	
18,600.0	8,720.0	8,418.7	8,408.1	241.2	29.6	-66.29	78.7	537.2	9,877.3	9,809.1	68.16	144.913	
18,700.0	8,720.0	8,416.4	8,405.9	243.6	29.6	-66.14	78.7	537.1	9,977.0	9,908.7	68.23	146.227	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #223H - Wellbore #1 - Final Survey

Offset Site Error: 0.0 usft

Survey Program: 141-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	57.35	378.0	590.0	700.8				
100.0	100.0	102.7	102.7	0.1	0.1	57.35	377.9	589.7	700.4	700.1	0.28	2,508.577	
200.0	200.0	204.9	204.9	0.5	0.4	57.31	377.7	588.6	699.4	698.5	0.92	760.502	
300.0	300.0	303.5	303.5	0.8	0.8	57.26	377.8	587.4	698.4	696.8	1.63	428.415	
378.0	378.0	384.1	384.0	1.1	1.1	-153.36	377.5	586.6	698.1	696.0	2.19	319.273	
400.0	400.0	407.1	407.1	1.2	1.2	-153.38	377.4	586.4	698.2	695.8	2.34	297.767	
424.5	424.5	432.9	432.9	1.3	1.2	-153.40	377.2	586.0	698.2	695.7	2.52	277.153	
500.0	500.0	512.4	512.4	1.5	1.5	-153.46	376.4	584.8	698.3	695.3	3.06	228.134	
600.0	599.9	624.4	624.3	1.9	1.9	-153.56	374.6	581.9	697.2	693.4	3.81	182.917	
700.0	699.9	729.6	729.4	2.2	2.3	-153.72	372.8	577.5	694.7	690.1	4.54	153.016	
800.0	799.9	826.8	826.5	2.6	2.7	-153.89	371.5	573.3	692.2	687.0	5.24	132.096	
900.0	899.9	920.9	920.5	2.9	3.0	-154.07	370.5	569.5	690.3	684.4	5.93	116.398	
1,000.0	999.9	1,011.5	1,011.0	3.3	3.3	-154.28	370.5	566.6	689.6	683.0	6.61	104.362	
1,002.0	1,001.9	1,013.3	1,012.9	3.3	3.3	-154.28	370.5	566.5	689.6	683.0	6.62	104.143	
1,100.0	1,099.8	1,102.8	1,102.4	3.7	3.7	-154.52	371.6	564.4	690.2	682.9	7.29	94.723	
1,200.0	1,199.8	1,195.4	1,194.9	4.0	4.0	-154.84	374.0	562.6	692.0	684.0	7.97	86.859	
1,300.0	1,299.8	1,289.0	1,288.4	4.4	4.3	-155.24	377.7	561.0	694.8	686.2	8.65	80.326	
1,400.0	1,399.8	1,385.0	1,384.3	4.7	4.6	-155.72	382.6	559.4	698.4	689.0	9.34	74.751	
1,475.7	1,475.5	1,457.7	1,456.8	5.0	4.9	-156.12	387.0	558.2	701.4	691.6	9.87	71.100	
1,500.0	1,499.7	1,479.9	1,478.9	5.1	5.0	-156.25	388.4	557.8	702.5	692.5	10.03	70.035	
1,600.3	1,600.0	1,572.4	1,571.3	5.4	5.3	53.78	395.1	556.6	706.5	695.8	10.70	66.030	
1,700.0	1,699.7	1,667.7	1,666.2	5.8	5.6	10.92	402.9	555.8	709.8	698.4	11.37	62.431	
1,800.0	1,799.7	1,773.4	1,771.6	6.1	6.0	10.44	410.5	555.3	711.2	699.1	12.09	58.849	
1,900.0	1,899.6	1,874.0	1,872.0	6.4	6.4	10.13	416.3	555.2	710.3	697.5	12.78	55.572	
2,000.0	1,999.4	1,968.1	1,966.0	6.8	6.7	9.91	421.6	555.8	708.2	694.8	13.45	52.657	
2,100.0	2,099.1	2,065.0	2,062.8	7.1	7.0	9.71	427.4	557.0	705.2	691.1	14.13	49.895	
2,200.0	2,198.6	2,165.7	2,163.2	7.5	7.4	9.43	434.4	557.6	700.5	685.7	14.84	47.211	
2,300.0	2,298.0	2,262.4	2,259.6	7.8	7.7	9.08	442.0	557.5	694.1	678.6	15.53	44.706	
2,400.0	2,397.1	2,355.7	2,352.6	8.2	8.1	8.80	449.5	558.2	686.9	670.7	16.20	42.393	
2,500.0	2,496.0	2,455.6	2,452.1	8.5	8.5	8.55	457.7	559.8	678.6	661.7	16.91	40.125	
2,600.0	2,594.7	2,561.9	2,558.0	8.9	8.8	8.23	466.5	560.3	667.8	650.1	17.65	37.828	
2,697.6	2,690.7	2,661.4	2,657.2	9.3	9.2	7.90	474.6	559.8	654.9	636.5	18.36	35.668	
2,700.0	2,693.0	2,663.8	2,659.6	9.3	9.2	7.89	474.8	559.7	654.5	636.2	18.38	35.615	
2,800.0	2,791.2	2,765.8	2,761.3	9.7	9.6	7.59	482.3	559.5	640.2	621.1	19.10	33.512	
2,900.0	2,889.3	2,869.0	2,864.3	10.1	10.0	7.32	489.1	559.0	625.2	605.3	19.83	31.523	
3,000.0	2,987.5	2,966.2	2,961.2	10.5	10.3	7.03	495.6	558.2	609.9	589.4	20.54	29.691	
3,100.0	3,085.7	3,062.7	3,057.5	10.9	10.7	6.58	503.4	556.7	595.1	573.8	21.25	28.001	
3,200.0	3,183.8	3,161.2	3,155.5	11.3	11.1	5.97	512.4	554.5	580.5	558.5	21.98	26.414	
3,300.0	3,282.0	3,259.7	3,253.5	11.7	11.4	5.23	522.2	551.6	566.0	543.3	22.70	24.931	
3,400.0	3,380.2	3,359.5	3,352.7	12.1	11.8	4.39	532.3	548.4	551.5	528.1	23.44	23.532	
3,500.0	3,478.4	3,459.5	3,452.2	12.6	12.2	3.54	542.2	545.1	537.0	512.8	24.17	22.212	
3,600.0	3,576.5	3,561.8	3,554.0	13.0	12.6	2.66	551.5	541.8	522.0	497.1	24.92	20.950	
3,700.0	3,674.7	3,663.9	3,655.7	13.4	13.0	1.82	559.9	538.5	506.5	480.8	25.66	19.739	
3,800.0	3,772.9	3,761.8	3,753.3	13.8	13.3	0.98	567.6	535.3	490.9	464.5	26.39	18.602	
3,900.0	3,871.1	3,860.8	3,851.9	14.3	13.7	0.08	575.4	532.0	475.3	448.2	27.12	17.526	
4,000.0	3,969.2	3,960.4	3,951.1	14.7	14.1	-0.89	583.1	528.5	459.7	431.8	27.86	16.502	
4,100.0	4,067.4	4,060.4	4,050.8	15.1	14.5	-1.94	590.6	524.9	443.9	415.3	28.59	15.526	
4,200.0	4,165.6	4,161.1	4,151.2	15.6	14.8	-3.04	597.7	521.1	427.8	398.5	29.33	14.587	
4,300.0	4,263.7	4,261.3	4,251.0	16.0	15.2	-4.18	604.1	517.3	411.4	381.3	30.06	13.683	
4,400.0	4,361.9	4,360.9	4,350.4	16.5	15.6	-5.38	610.1	513.4	394.8	364.0	30.80	12.817	
4,500.0	4,460.1	4,457.1	4,446.3	16.9	15.9	-6.61	615.7	509.7	378.2	346.7	31.53	11.994	
4,600.0	4,558.3	4,550.9	4,539.9	17.4	16.3	-8.00	622.4	506.3	363.0	330.7	32.27	11.248	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #223H - Wellbore #1 - Final Survey — **Offset Site Error:** 0.0 usft

Survey Program: 141-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.0	4,656.4	4,647.4	4,635.9	17.8	16.6	-9.63	630.3	502.9	349.0	316.0	33.01	10.572	
4,800.0	4,754.6	4,745.9	4,734.1	18.2	17.0	-11.39	638.4	499.6	335.5	301.7	33.76	9.936	
4,900.0	4,852.8	4,844.6	4,832.4	18.7	17.4	-13.29	646.4	496.5	322.2	287.7	34.52	9.336	
5,000.0	4,950.9	4,943.3	4,930.7	19.1	17.8	-15.39	654.6	493.1	309.3	274.1	35.28	8.768	
5,100.0	5,049.1	5,044.0	5,031.0	19.6	18.1	-17.71	662.6	489.5	296.6	260.6	36.05	8.227	
5,200.0	5,147.3	5,145.6	5,132.4	20.0	18.5	-20.10	669.3	486.1	283.3	246.5	36.84	7.692	
5,300.0	5,245.5	5,243.4	5,229.9	20.5	18.9	-22.44	675.0	483.6	270.0	232.4	37.62	7.177	
5,400.0	5,343.6	5,340.5	5,326.9	20.9	19.2	-24.74	680.8	482.3	257.6	219.2	38.40	6.709	
5,500.0	5,441.8	5,439.6	5,425.8	21.4	19.6	-27.09	686.7	481.9	246.0	206.8	39.20	6.276	
5,600.0	5,540.0	5,539.2	5,525.2	21.8	20.0	-29.52	692.1	482.1	234.5	194.5	40.00	5.862	
5,700.0	5,638.1	5,638.6	5,624.5	22.3	20.3	-32.07	697.2	482.8	223.1	182.3	40.82	5.466	
5,800.0	5,736.3	5,738.0	5,723.8	22.8	20.7	-34.86	701.9	483.4	212.0	170.3	41.65	5.090	
5,900.0	5,834.5	5,836.7	5,822.4	23.2	21.0	-38.05	706.6	483.7	201.3	158.8	42.52	4.735	
6,000.0	5,932.7	5,935.3	5,920.8	23.7	21.4	-41.85	711.4	483.0	191.4	148.0	43.41	4.410	
6,100.0	6,030.8	6,035.3	6,020.8	24.1	21.8	-46.27	715.9	481.8	182.1	137.8	44.35	4.107	
6,200.0	6,129.0	6,135.2	6,120.6	24.6	22.1	-51.24	719.5	480.3	173.2	127.9	45.31	3.822	
6,300.0	6,227.2	6,232.1	6,217.5	25.0	22.5	-56.42	723.2	479.2	165.9	119.6	46.31	3.582	
6,400.0	6,325.3	6,330.0	6,315.3	25.5	22.8	-61.84	727.7	478.5	160.6	113.3	47.31	3.395	
6,500.0	6,423.5	6,428.9	6,414.0	25.9	23.2	-67.70	732.2	477.5	157.0	108.7	48.31	3.250	
6,600.0	6,521.7	6,527.8	6,512.8	26.4	23.5	-74.07	736.2	475.9	155.1	105.8	49.31	3.146	
6,678.9	6,599.1	6,606.3	6,591.3	26.8	23.8	-79.48	738.6	474.1	154.6	104.5	50.07	3.088	
6,700.0	6,619.9	6,627.2	6,612.2	26.9	23.9	-80.99	739.1	473.6	154.7	104.4	50.27	3.077	
6,800.0	6,718.0	6,726.7	6,711.6	27.3	24.3	-88.33	740.6	470.8	155.9	104.8	51.17	3.048	
6,900.0	6,816.2	6,827.2	6,812.1	27.8	24.6	-95.50	741.3	469.0	158.4	106.4	51.98	3.048	
7,000.0	6,914.4	6,927.0	6,911.9	28.2	24.9	-102.24	741.5	468.7	161.8	109.1	52.71	3.069	
7,100.0	7,012.5	7,025.8	7,010.7	28.7	25.3	-108.66	741.2	468.8	166.7	113.4	53.35	3.125	
7,200.0	7,110.7	7,122.8	7,107.7	29.1	25.6	-114.71	740.4	468.8	173.6	119.7	53.91	3.220	
7,300.0	7,208.9	7,218.0	7,202.8	29.6	25.9	-120.33	739.3	467.4	183.6	129.3	54.39	3.377	
7,400.0	7,307.1	7,315.1	7,299.9	30.1	26.2	-125.55	738.0	464.8	196.6	141.7	54.86	3.584	
7,500.0	7,405.2	7,414.6	7,399.3	30.5	26.6	-130.11	737.0	462.8	210.4	155.1	55.38	3.800	
7,514.9	7,419.9	7,429.5	7,414.2	30.6	26.6	-130.73	736.9	462.5	212.5	157.1	55.46	3.832	
7,600.0	7,503.6	7,513.3	7,498.1	31.0	26.9	-134.01	736.1	461.4	224.0	168.1	55.90	4.008	
7,700.0	7,602.4	7,611.4	7,596.1	31.4	27.2	-137.38	733.8	460.2	236.7	180.3	56.40	4.196	
7,800.0	7,701.5	7,712.9	7,697.6	31.8	27.5	-140.38	730.1	459.3	247.7	190.8	56.96	4.350	
7,900.0	7,801.0	7,816.7	7,801.3	32.2	27.9	-142.73	726.9	460.1	255.6	198.1	57.56	4.441	
8,000.0	7,900.7	7,919.0	7,903.6	32.6	28.2	-144.50	724.2	462.4	260.2	202.0	58.15	4.474	
8,100.0	8,000.5	8,021.2	8,005.7	32.9	28.5	-145.84	721.9	465.6	261.9	203.2	58.76	4.458	
8,200.0	8,100.5	8,121.9	8,106.3	33.2	28.8	-146.79	719.7	469.3	261.0	201.6	59.37	4.396	
8,246.5	8,147.0	8,168.7	8,153.0	33.4	29.0	-104.78	718.8	471.1	259.7	200.0	59.65	4.354	
8,250.0	8,150.5	8,172.2	8,156.5	33.4	29.0	-15.24	718.8	471.2	259.6	199.9	59.67	4.350	
8,300.0	8,200.4	8,222.3	8,206.6	33.5	29.2	-15.81	717.9	473.2	255.5	195.5	59.96	4.261	
8,350.0	8,249.9	8,271.3	8,255.5	33.6	29.3	-16.74	717.2	475.1	247.3	187.1	60.23	4.106	
8,400.0	8,298.7	8,319.4	8,303.6	33.7	29.5	-18.13	716.8	476.8	235.1	174.6	60.48	3.887	
8,450.0	8,346.2	8,366.3	8,350.5	33.8	29.6	-20.11	716.6	478.4	219.0	158.4	60.69	3.609	
8,500.0	8,392.3	8,411.7	8,395.9	33.9	29.8	-22.95	716.7	479.9	199.4	138.5	60.87	3.275	
8,550.0	8,436.5	8,455.0	8,439.2	33.9	29.9	-27.04	716.9	481.1	176.4	115.4	61.00	2.892	
8,600.0	8,478.5	8,496.2	8,480.4	34.0	30.1	-33.11	717.4	482.2	150.7	89.6	61.07	2.468	
8,650.0	8,518.0	8,535.0	8,519.1	34.0	30.2	-42.34	718.1	483.1	123.1	62.1	61.06	2.017	
8,700.0	8,554.6	8,571.0	8,555.1	34.0	30.3	-56.37	718.9	483.9	95.7	34.7	61.04	1.568	
8,750.0	8,588.1	8,604.0	8,588.1	34.0	30.4	-75.74	719.8	484.5	73.4	12.0	61.42	1.195	Level 2
8,788.9	8,611.9	8,627.3	8,611.4	34.0	30.5	-92.06	720.5	484.8	66.4	3.9	62.56	1.062	Level 2, CC, ES, SF
8,800.0	8,618.3	8,633.6	8,617.7	33.9	30.5	-96.49	720.7	484.9	67.1	4.1	62.97	1.065	Level 2

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #223H - Wellbore #1 - Final Survey — **Offset Site Error:** 0.0 usft

Survey Program: 141-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,850.0	8,644.9	8,660.0	8,644.0	33.9	30.6	-112.95	721.5	485.2	84.3	20.1	64.18	1.313	Level 3
8,900.0	8,667.7	8,682.9	8,666.9	33.9	30.7	-123.17	722.2	485.3	117.2	52.9	64.35	1.822	
8,950.0	8,686.6	8,702.0	8,686.0	33.9	30.8	-128.11	722.8	485.4	157.7	93.5	64.25	2.455	
9,000.0	8,701.3	8,717.1	8,701.1	33.9	30.8	-128.61	723.3	485.4	202.2	138.0	64.14	3.152	
9,050.0	8,711.8	8,728.1	8,712.1	33.9	30.9	-124.29	723.7	485.4	248.9	184.9	64.05	3.886	
9,100.0	8,718.1	8,734.8	8,718.8	33.9	30.9	-113.01	723.9	485.4	297.1	233.1	63.97	4.644	
9,146.5	8,720.0	8,736.9	8,720.9	33.9	30.9	-93.17	724.0	485.4	342.6	278.7	63.91	5.361	
9,200.0	8,720.0	8,737.2	8,721.2	34.1	30.9	-93.37	724.0	485.4	395.3	331.5	63.84	6.192	
9,300.0	8,720.0	8,737.6	8,721.6	34.5	30.9	-93.76	724.0	485.4	494.3	430.5	63.76	7.752	
9,400.0	8,720.0	8,738.0	8,722.0	35.2	30.9	-94.16	724.0	485.4	593.6	529.9	63.70	9.318	
9,500.0	8,720.0	8,738.5	8,722.5	36.2	30.9	-94.57	724.0	485.4	693.1	629.4	63.66	10.887	
9,600.0	8,720.0	8,739.0	8,723.0	37.3	30.9	-95.00	724.1	485.4	792.8	729.1	63.64	12.458	
9,700.0	8,720.0	8,739.4	8,723.4	38.6	30.9	-95.44	724.1	485.4	892.5	828.9	63.62	14.029	
9,800.0	8,720.0	8,739.9	8,723.9	39.9	30.9	-95.90	724.1	485.4	992.2	928.6	63.60	15.600	
9,900.0	8,720.0	8,740.5	8,724.5	41.4	30.9	-96.37	724.1	485.4	1,092.1	1,028.5	63.60	17.172	
10,000.0	8,720.0	8,741.0	8,725.0	43.0	30.9	-96.86	724.1	485.4	1,191.9	1,128.3	63.59	18.743	
10,100.0	8,720.0	8,741.6	8,725.6	44.6	30.9	-97.37	724.1	485.4	1,291.8	1,228.2	63.59	20.314	
10,200.0	8,720.0	8,742.2	8,726.2	46.3	30.9	-97.90	724.2	485.3	1,391.7	1,328.1	63.59	21.885	
10,300.0	8,720.0	8,742.8	8,726.8	48.1	30.9	-98.45	724.2	485.3	1,491.6	1,428.0	63.59	23.455	
10,400.0	8,720.0	8,743.4	8,727.4	50.0	30.9	-99.02	724.2	485.3	1,591.5	1,527.9	63.60	25.024	
10,500.0	8,720.0	8,744.1	8,728.1	51.8	30.9	-99.61	724.2	485.3	1,691.4	1,627.8	63.61	26.592	
10,600.0	8,720.0	8,744.8	8,728.8	53.8	30.9	-100.23	724.3	485.3	1,791.3	1,727.7	63.62	28.159	
10,700.0	8,720.0	8,745.5	8,729.5	55.8	30.9	-100.86	724.3	485.3	1,891.3	1,827.7	63.63	29.725	
10,800.0	8,720.0	8,746.2	8,730.2	57.8	31.0	-101.53	724.3	485.3	1,991.2	1,927.6	63.64	31.290	
10,900.0	8,720.0	8,747.0	8,731.0	59.8	31.0	-102.22	724.3	485.3	2,091.2	2,027.5	63.65	32.854	
11,000.0	8,720.0	8,747.8	8,731.8	61.9	31.0	-102.94	724.4	485.3	2,191.1	2,127.5	63.67	34.416	
11,100.0	8,720.0	8,748.7	8,732.7	64.0	31.0	-103.70	724.4	485.3	2,291.1	2,227.4	63.68	35.977	
11,200.0	8,720.0	8,749.6	8,733.6	66.1	31.0	-104.48	724.4	485.3	2,391.1	2,327.4	63.70	37.537	
11,300.0	8,720.0	8,750.5	8,734.5	68.2	31.0	-105.30	724.5	485.3	2,491.0	2,427.3	63.72	39.094	
11,400.0	8,720.0	8,751.5	8,735.5	70.4	31.0	-106.15	724.5	485.3	2,591.0	2,527.3	63.74	40.651	
11,500.0	8,720.0	8,752.6	8,736.6	72.6	31.0	-107.05	724.5	485.3	2,691.0	2,627.2	63.76	42.205	
11,600.0	8,720.0	8,753.7	8,737.7	74.8	31.0	-107.98	724.6	485.3	2,790.9	2,727.1	63.78	43.757	
11,700.0	8,720.0	8,754.8	8,738.8	77.0	31.0	-108.95	724.6	485.3	2,890.9	2,827.1	63.81	45.308	
11,800.0	8,720.0	8,756.1	8,740.1	79.2	31.0	-109.97	724.7	485.3	2,990.9	2,927.0	63.83	46.857	
11,900.0	8,720.0	8,757.4	8,741.4	81.5	31.0	-111.04	724.7	485.3	3,090.9	3,027.0	63.86	48.403	
12,000.0	8,720.0	8,758.8	8,742.7	83.7	31.0	-112.15	724.7	485.3	3,190.8	3,126.9	63.88	49.948	
12,100.0	8,720.0	8,760.2	8,744.2	86.0	31.0	-113.32	724.8	485.2	3,290.8	3,226.9	63.91	51.490	
12,200.0	8,720.0	8,761.8	8,745.8	88.3	31.0	-114.54	724.9	485.2	3,390.8	3,326.8	63.94	53.030	
12,300.0	8,720.0	8,763.4	8,747.4	90.5	31.0	-115.82	724.9	485.2	3,490.8	3,426.8	63.97	54.567	
12,400.0	8,720.0	8,765.2	8,749.2	92.8	31.0	-117.16	725.0	485.2	3,590.8	3,526.7	64.00	56.102	
12,500.0	8,720.0	8,767.1	8,751.1	95.1	31.0	-118.56	725.0	485.2	3,690.7	3,626.7	64.04	57.634	
12,600.0	8,720.0	8,769.2	8,753.1	97.4	31.0	-120.03	725.1	485.2	3,790.7	3,726.6	64.07	59.163	
12,700.0	8,720.0	8,771.4	8,755.3	99.8	31.0	-121.57	725.2	485.2	3,890.7	3,826.6	64.11	60.689	
12,800.0	8,720.0	8,773.7	8,757.7	102.1	31.0	-123.18	725.3	485.1	3,990.7	3,926.5	64.15	62.213	
12,900.0	8,720.0	8,776.3	8,760.3	104.4	31.1	-124.86	725.4	485.1	4,090.7	4,026.5	64.18	63.733	
13,000.0	8,720.0	8,779.1	8,763.1	106.7	31.1	-126.62	725.5	485.1	4,190.6	4,126.4	64.22	65.250	
13,100.0	8,720.0	8,782.1	8,766.1	109.1	31.1	-128.45	725.6	485.0	4,290.6	4,226.4	64.27	66.764	
13,200.0	8,720.0	8,785.5	8,769.4	111.4	31.1	-130.37	725.7	485.0	4,390.6	4,326.3	64.31	68.274	
13,300.0	8,720.0	8,789.1	8,773.1	113.8	31.1	-132.36	725.8	485.0	4,490.6	4,426.2	64.35	69.780	
13,400.0	8,720.0	8,793.2	8,777.1	116.1	31.1	-134.44	726.0	484.9	4,590.6	4,526.2	64.40	71.282	
13,500.0	8,720.0	8,797.7	8,781.6	118.5	31.1	-136.59	726.2	484.9	4,690.6	4,626.1	64.45	72.780	
13,600.0	8,720.0	8,802.7	8,786.6	120.8	31.2	-138.82	726.4	484.8	4,790.5	4,726.0	64.50	74.273	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Janie Conner - Janie Conner #223H - Wellbore #1 - Final Survey

Offset Site Error: 0.0 usft

Survey Program: 141-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,700.0	8,720.0	8,808.3	8,792.2	123.2	31.2	-141.12	726.6	484.7	4,890.5	4,826.0	64.55	75.761	
13,800.0	8,720.0	8,814.7	8,798.6	125.6	31.2	-143.49	726.8	484.6	4,990.5	4,925.9	64.61	77.244	
13,900.0	8,720.0	8,821.9	8,805.9	127.9	31.2	-145.93	727.1	484.5	5,090.5	5,025.8	64.67	78.720	
14,000.0	8,720.0	14,000.0	8,702.8	130.3	49.7	-76.94	723.6	484.8	5,190.1	5,106.8	83.30	62.308	
14,100.0	8,720.0	14,100.0	8,702.4	132.7	50.0	-76.66	723.5	484.8	5,290.1	5,206.4	83.70	63.205	
14,200.0	8,720.0	14,200.0	8,702.1	135.1	50.4	-76.39	723.5	484.8	5,390.1	5,306.0	84.10	64.093	
14,300.0	8,720.0	14,300.0	8,701.8	137.4	50.7	-76.12	723.5	484.8	5,490.1	5,405.6	84.50	64.971	
14,400.0	8,720.0	14,400.0	8,701.5	139.8	51.1	-75.84	723.5	484.8	5,590.0	5,505.1	84.90	65.841	
14,500.0	8,720.0	14,500.0	8,701.2	142.2	51.4	-75.57	723.5	484.8	5,690.0	5,604.7	85.31	66.702	
14,600.0	8,720.0	14,600.0	8,700.8	144.6	51.8	-75.30	723.5	484.8	5,790.0	5,704.3	85.71	67.554	
14,700.0	8,720.0	14,700.0	8,700.5	147.0	52.1	-75.03	723.5	484.8	5,890.0	5,803.9	86.12	68.397	
14,800.0	8,720.0	14,800.0	8,700.2	149.4	52.5	-74.76	723.5	484.8	5,990.0	5,903.5	86.52	69.232	
14,900.0	8,720.0	8,830.7	8,814.6	151.8	31.3	-148.52	727.4	484.4	6,090.3	6,025.2	65.16	93.468	
15,000.0	8,720.0	8,834.5	8,818.4	154.2	31.3	-149.54	727.5	484.4	6,190.3	6,125.1	65.22	94.914	
15,100.0	8,720.0	8,838.4	8,822.4	156.6	31.3	-150.55	727.6	484.3	6,290.3	6,225.0	65.28	96.356	
15,200.0	8,720.0	8,842.6	8,826.5	159.0	31.3	-151.56	727.8	484.2	6,390.3	6,324.9	65.35	97.793	
15,300.0	8,720.0	8,846.9	8,830.9	161.4	31.3	-152.55	728.0	484.2	6,490.3	6,424.9	65.41	99.225	
15,400.0	8,720.0	8,851.5	8,835.4	163.8	31.3	-153.53	728.1	484.1	6,590.2	6,524.8	65.48	100.652	
15,500.0	8,720.0	8,856.3	8,840.3	166.2	31.3	-154.50	728.3	484.0	6,690.2	6,624.7	65.54	102.074	
15,600.0	8,720.0	8,861.4	8,845.3	168.6	31.4	-155.45	728.5	483.9	6,790.2	6,724.6	65.61	103.490	
15,700.0	8,720.0	8,866.8	8,850.7	171.0	31.4	-156.40	728.7	483.8	6,890.2	6,824.5	65.68	104.902	
15,800.0	8,720.0	15,800.0	8,697.0	173.4	56.1	-72.12	723.4	484.8	6,990.0	6,899.3	90.63	77.129	
15,900.0	8,720.0	15,900.0	8,696.6	175.8	56.4	-71.86	723.4	484.8	7,090.0	6,998.9	91.04	77.876	
16,000.0	8,720.0	8,884.8	8,868.6	178.2	31.4	-159.16	729.3	483.5	7,190.1	7,124.2	65.90	109.100	
16,100.0	8,720.0	8,891.5	8,875.4	180.6	31.5	-160.05	729.6	483.3	7,290.1	7,224.1	65.98	110.488	
16,200.0	8,720.0	8,898.7	8,882.5	183.0	31.5	-160.93	729.8	483.2	7,390.1	7,324.0	66.06	111.868	
16,300.0	8,720.0	8,906.3	8,890.2	185.5	31.5	-161.79	730.1	483.0	7,490.0	7,423.9	66.14	113.242	
16,400.0	8,720.0	8,914.4	8,898.3	187.9	31.6	-162.65	730.4	482.8	7,590.0	7,523.8	66.23	114.609	
16,500.0	8,720.0	8,923.2	8,907.0	190.3	31.6	-163.49	730.7	482.6	7,690.0	7,623.7	66.31	115.968	
16,600.0	8,720.0	8,932.5	8,916.4	192.7	31.6	-164.31	731.0	482.4	7,789.9	7,723.5	66.40	117.319	
16,700.0	8,720.0	8,942.6	8,926.4	195.1	31.7	-165.12	731.4	482.1	7,889.9	7,823.4	66.49	118.661	
16,800.0	8,720.0	8,953.5	8,937.3	197.5	31.7	-165.92	731.7	481.8	7,989.9	7,923.3	66.59	119.994	
16,900.0	8,720.0	8,965.2	8,949.1	200.0	31.7	-166.70	732.2	481.5	8,089.8	8,023.1	66.68	121.318	
17,000.0	8,720.0	8,978.0	8,961.8	202.4	31.8	-167.47	732.6	481.1	8,189.8	8,123.0	66.78	122.631	
17,100.0	8,720.0	8,991.9	8,975.7	204.8	31.8	-168.23	733.1	480.7	8,289.7	8,222.8	66.89	123.932	
17,200.0	8,720.0	9,007.1	8,990.9	207.2	31.9	-168.97	733.6	480.2	8,389.7	8,322.7	67.00	125.221	
17,300.0	8,720.0	17,300.0	8,891.7	209.6	61.8	-161.95	730.1	482.6	8,489.4	8,392.4	97.01	87.515	
17,400.0	8,720.0	17,400.0	8,893.8	212.1	62.2	-162.17	730.2	482.5	8,589.3	8,491.9	97.43	88.156	
17,500.0	8,720.0	17,500.0	8,895.8	214.5	62.6	-162.38	730.2	482.5	8,689.3	8,591.5	97.86	88.792	
17,600.0	8,720.0	17,600.0	8,897.8	216.9	62.9	-162.59	730.3	482.4	8,789.3	8,691.0	98.29	89.421	
17,700.0	8,720.0	17,700.0	8,899.8	219.3	63.3	-162.79	730.4	482.4	8,889.3	8,790.6	98.72	90.044	
17,800.0	8,720.0	17,800.0	8,901.9	221.8	63.6	-162.99	730.5	482.4	8,989.3	8,890.1	99.15	90.660	
17,900.0	8,720.0	17,900.0	8,903.9	224.2	64.0	-163.18	730.5	482.3	9,089.2	8,989.6	99.58	91.271	
18,000.0	8,720.0	18,000.0	8,905.9	226.6	64.4	-163.37	730.6	482.3	9,189.2	9,089.2	100.02	91.876	
18,100.0	8,720.0	18,100.0	8,907.9	229.1	64.7	-163.56	730.7	482.2	9,289.2	9,188.7	100.45	92.475	
18,200.0	8,720.0	18,200.0	8,910.0	231.5	65.1	-163.74	730.8	482.2	9,389.2	9,288.3	100.88	93.069	
18,300.0	8,720.0	18,300.0	8,912.0	233.9	65.4	-163.92	730.8	482.2	9,489.1	9,387.8	101.32	93.656	
18,400.0	8,720.0	18,400.0	8,914.0	236.3	65.8	-164.10	730.9	482.1	9,589.1	9,487.4	101.75	94.238	
18,500.0	8,720.0	18,500.0	8,916.0	238.8	66.2	-164.27	731.0	482.1	9,689.1	9,586.9	102.19	94.815	
18,600.0	8,720.0	8,975.0	8,958.8	241.2	31.8	-167.30	732.5	481.2	9,789.2	9,721.2	67.96	144.046	
18,700.0	8,720.0	8,975.0	8,958.8	243.6	31.8	-167.30	732.5	481.2	9,889.1	9,821.1	68.04	145.347	
18,800.0	8,720.0	8,975.0	8,958.8	246.1	31.8	-167.30	732.5	481.2	9,989.1	9,921.0	68.12	146.644	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Kathy Kregor - Kathy Kregor Fed Com #114H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	0.0	0.0	179.77	-79.5	0.3	79.5				
100.0	100.0	102.0	102.0	0.1	0.1	179.77	-79.5	0.3	79.5	79.2	0.26	301.704	
200.0	200.0	202.0	202.0	0.5	0.5	179.77	-79.5	0.3	79.5	78.5	0.98	81.080	
300.0	300.0	302.0	302.0	0.8	0.9	179.77	-79.5	0.3	79.5	77.8	1.70	46.833	
400.0	400.0	402.0	402.0	1.2	1.2	-31.14	-79.5	0.3	78.7	76.3	2.40	32.813	
424.5	424.5	426.5	426.5	1.3	1.3	-31.32	-79.5	0.3	78.3	75.8	2.57	30.473	
500.0	500.0	502.0	502.0	1.5	1.6	-31.96	-79.5	0.3	76.9	73.8	3.10	24.834	
600.0	599.9	601.9	601.9	1.9	1.9	-32.84	-79.5	0.3	75.1	71.3	3.80	19.748	
700.0	699.9	701.9	701.9	2.2	2.3	-33.76	-79.5	0.3	73.3	68.8	4.51	16.243	
800.0	799.9	801.9	801.9	2.6	2.6	-34.72	-79.5	0.3	71.5	66.3	5.22	13.686	
900.0	899.9	901.9	901.9	2.9	3.0	-35.74	-79.5	0.3	69.7	63.8	5.94	11.743	
1,000.0	999.9	1,001.9	1,001.9	3.3	3.4	-36.81	-79.5	0.3	68.0	61.3	6.65	10.219	
1,100.0	1,099.8	1,101.8	1,101.8	3.7	3.7	-37.94	-79.5	0.3	66.2	58.9	7.37	8.992	
1,200.0	1,199.8	1,201.8	1,201.8	4.0	4.1	-39.13	-79.5	0.3	64.5	56.5	8.08	7.986	
1,300.0	1,299.8	1,301.8	1,301.8	4.4	4.4	-40.38	-79.5	0.3	62.9	54.1	8.80	7.146	
1,400.0	1,399.8	1,401.8	1,401.8	4.7	4.8	-41.69	-79.5	0.3	61.2	51.7	9.51	6.435	
1,475.7	1,475.5	1,477.5	1,477.5	5.0	5.1	-42.74	-79.5	0.3	60.0	49.9	10.06	5.967	
1,500.0	1,499.7	1,501.7	1,501.7	5.1	5.2	-43.05	-79.5	0.3	59.7	49.4	10.23	5.831	
1,521.4	1,521.2	1,522.6	1,522.6	5.2	5.2	-43.33	-79.6	0.4	59.5	49.1	10.38	5.737	CC, ES
1,600.3	1,600.0	1,599.3	1,599.3	5.4	5.5	165.68	-81.3	2.1	61.3	50.4	10.91	5.618	SF
1,700.0	1,699.7	1,695.9	1,695.5	5.8	5.8	120.69	-86.6	7.4	68.5	56.9	11.54	5.934	
1,800.0	1,799.7	1,791.7	1,790.5	6.1	6.1	118.03	-95.2	16.0	81.1	69.0	12.14	6.682	
1,900.0	1,899.6	1,885.9	1,883.3	6.4	6.5	115.80	-107.0	27.7	99.2	86.5	12.72	7.800	
2,000.0	1,999.4	1,978.2	1,973.2	6.8	6.8	114.07	-121.7	42.4	122.5	109.2	13.26	9.239	
2,100.0	2,099.1	2,072.1	2,063.8	7.1	7.2	112.86	-139.1	59.7	150.0	136.2	13.87	10.820	
2,200.0	2,198.6	2,167.9	2,156.2	7.5	7.6	112.41	-157.1	77.7	178.5	164.0	14.54	12.280	
2,300.0	2,298.0	2,263.6	2,248.4	7.8	8.0	112.46	-175.1	95.6	207.7	192.5	15.23	13.641	
2,400.0	2,397.1	2,359.0	2,340.4	8.2	8.4	112.84	-193.1	113.5	237.5	221.6	15.93	14.914	
2,500.0	2,496.0	2,454.2	2,432.2	8.5	8.9	113.42	-211.0	131.3	268.0	251.4	16.64	16.110	
2,600.0	2,594.7	2,549.0	2,523.7	8.9	9.3	114.13	-228.8	149.1	299.3	281.9	17.36	17.236	
2,697.6	2,690.7	2,641.4	2,612.7	9.3	9.8	114.91	-246.1	166.4	330.5	312.4	18.08	18.276	
2,700.0	2,693.0	2,643.6	2,614.8	9.3	9.8	114.94	-246.6	166.8	331.3	313.1	18.10	18.300	
2,800.0	2,791.2	2,738.0	2,705.9	9.7	10.3	115.98	-264.3	184.5	363.7	344.8	18.85	19.295	
2,900.0	2,889.3	2,832.4	2,796.9	10.1	10.7	116.85	-282.1	202.2	396.2	376.6	19.61	20.210	
3,000.0	2,987.5	2,926.8	2,887.9	10.5	11.2	117.58	-299.8	219.9	428.8	408.4	20.37	21.052	
3,100.0	3,085.7	3,021.2	2,978.9	10.9	11.7	118.22	-317.6	237.6	461.5	440.3	21.14	21.829	
3,200.0	3,183.8	3,115.6	3,069.9	11.3	12.2	118.77	-335.3	255.3	494.2	472.2	21.92	22.548	
3,300.0	3,282.0	3,210.0	3,160.9	11.7	12.7	119.25	-353.1	273.0	526.9	504.2	22.70	23.213	
3,400.0	3,380.2	3,304.4	3,252.0	12.1	13.2	119.67	-370.8	290.7	559.6	536.2	23.49	23.830	
3,500.0	3,478.4	3,401.2	3,343.0	12.6	13.7	120.05	-388.6	308.4	592.4	568.1	24.29	24.393	
3,600.0	3,576.5	3,493.3	3,434.0	13.0	14.2	120.39	-406.3	326.1	625.2	600.2	25.07	24.937	
3,700.0	3,674.7	3,587.7	3,525.0	13.4	14.7	120.69	-424.1	343.8	658.1	632.2	25.87	25.435	
3,800.0	3,772.9	3,682.1	3,616.0	13.8	15.2	120.97	-441.8	361.5	690.9	664.2	26.68	25.901	
3,900.0	3,871.1	3,776.5	3,707.0	14.3	15.7	121.22	-459.6	379.1	723.7	696.3	27.48	26.336	
4,000.0	3,969.2	3,870.9	3,798.1	14.7	16.2	121.45	-477.3	396.8	756.6	728.3	28.29	26.745	
4,100.0	4,067.4	3,965.3	3,889.1	15.1	16.7	121.66	-495.1	414.5	789.5	760.4	29.10	27.129	
4,200.0	4,165.6	4,059.7	3,980.1	15.6	17.2	121.85	-512.8	432.2	822.4	792.4	29.91	27.490	
4,300.0	4,263.7	4,154.1	4,071.1	16.0	17.7	122.03	-530.6	449.9	855.2	824.5	30.73	27.831	
4,400.0	4,361.9	4,248.5	4,162.1	16.5	18.2	122.20	-548.3	467.6	888.1	856.6	31.55	28.152	
4,500.0	4,460.1	4,342.9	4,253.2	16.9	18.8	122.35	-566.1	485.3	921.0	888.7	32.37	28.455	
4,600.0	4,558.3	4,437.3	4,344.2	17.4	19.3	122.49	-583.8	503.0	954.0	920.8	33.19	28.742	
4,700.0	4,656.4	4,531.7	4,435.2	17.8	19.8	122.63	-601.6	520.7	986.9	952.9	34.01	29.014	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Kathy Kregor - Kathy Kregor Fed Com #114H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	4,626.1	4,526.2	18.2	20.3	122.75	-619.3	538.4	1,019.8	984.9	34.84	29.272	
4,900.0	4,852.8	4,720.5	4,617.2	18.7	20.8	122.87	-637.1	556.1	1,052.7	1,017.0	35.66	29.517	
5,000.0	4,950.9	4,814.9	4,708.2	19.1	21.4	122.98	-654.8	573.8	1,085.6	1,049.1	36.49	29.750	
5,100.0	5,049.1	4,909.3	4,799.3	19.6	21.9	123.08	-672.6	591.5	1,118.6	1,081.2	37.32	29.972	
5,200.0	5,147.3	5,003.7	4,890.3	20.0	22.4	123.18	-690.3	609.1	1,151.5	1,113.3	38.15	30.183	
5,300.0	5,245.5	5,101.9	4,981.3	20.5	22.9	123.27	-708.1	626.8	1,184.4	1,145.4	39.00	30.371	
5,400.0	5,343.6	5,207.5	5,072.3	20.9	23.5	123.36	-725.8	644.5	1,217.4	1,177.5	39.88	30.525	
5,500.0	5,441.8	5,286.9	5,163.3	21.4	24.0	123.44	-743.6	662.2	1,250.3	1,209.6	40.65	30.760	
5,600.0	5,540.0	5,381.4	5,254.3	21.8	24.5	123.52	-761.4	679.9	1,283.2	1,241.7	41.48	30.935	
5,700.0	5,638.1	5,475.8	5,345.4	22.3	25.0	123.59	-779.1	697.6	1,316.2	1,273.9	42.32	31.103	
5,800.0	5,736.3	5,570.2	5,436.4	22.8	25.5	123.66	-796.9	715.3	1,349.1	1,306.0	43.15	31.264	
5,900.0	5,834.5	5,664.6	5,527.4	23.2	26.1	123.73	-814.6	733.0	1,382.1	1,338.1	43.99	31.419	
6,000.0	5,932.7	5,759.0	5,618.4	23.7	26.6	123.79	-832.4	750.7	1,415.0	1,370.2	44.83	31.567	
6,100.0	6,030.8	5,890.9	5,746.1	24.1	27.3	123.92	-855.9	774.2	1,446.9	1,400.9	46.01	31.446	
6,200.0	6,129.0	6,031.9	5,883.7	24.6	28.0	124.16	-877.6	795.8	1,475.9	1,428.7	47.22	31.255	
6,300.0	6,227.2	6,175.1	6,024.5	25.0	28.7	124.50	-896.0	814.1	1,502.0	1,453.6	48.39	31.042	
6,400.0	6,325.3	6,320.2	6,168.0	25.5	29.3	124.94	-910.8	828.9	1,525.0	1,475.5	49.50	30.810	
6,500.0	6,423.5	6,466.8	6,313.8	25.9	29.9	125.49	-921.8	839.9	1,544.9	1,494.4	50.54	30.568	
6,600.0	6,521.7	6,614.5	6,461.2	26.4	30.4	126.13	-928.9	846.9	1,561.8	1,510.3	51.52	30.313	
6,700.0	6,619.9	6,762.8	6,609.4	26.9	30.8	126.88	-932.0	850.0	1,575.7	1,523.3	52.43	30.052	
6,800.0	6,718.0	6,873.4	6,720.0	27.3	31.1	127.49	-932.1	850.1	1,587.4	1,534.2	53.21	29.833	
6,900.0	6,816.2	6,971.6	6,818.2	27.8	31.3	128.02	-932.1	850.1	1,599.2	1,545.3	53.96	29.639	
7,000.0	6,914.4	7,062.3	6,909.0	28.2	31.6	128.49	-932.0	850.7	1,611.2	1,556.5	54.69	29.459	
7,100.0	7,012.5	7,140.1	6,986.1	28.7	31.9	128.59	-931.6	859.6	1,624.3	1,568.9	55.44	29.300	
7,200.0	7,110.7	7,216.9	7,060.5	29.1	32.2	128.32	-930.6	878.5	1,638.8	1,582.6	56.22	29.148	
7,300.0	7,208.9	7,290.2	7,128.5	29.6	32.6	127.74	-929.2	905.6	1,654.7	1,597.7	57.02	29.019	
7,400.0	7,307.1	7,358.0	7,187.9	30.1	33.0	126.93	-927.5	938.3	1,672.5	1,614.6	57.81	28.930	
7,500.0	7,405.2	7,419.2	7,237.8	30.5	33.4	125.99	-925.6	973.6	1,692.5	1,633.9	58.56	28.903	
7,514.9	7,419.9	7,427.8	7,244.5	30.6	33.4	125.84	-925.4	979.0	1,695.7	1,637.0	58.66	28.906	
7,600.0	7,503.6	7,473.4	7,278.7	31.0	33.8	125.24	-923.8	1,009.2	1,714.7	1,655.5	59.21	28.958	
7,700.0	7,602.4	7,520.4	7,311.2	31.4	34.2	124.55	-922.0	1,043.0	1,738.7	1,678.9	59.73	29.106	
7,800.0	7,701.5	7,560.6	7,336.8	31.8	34.5	123.95	-920.4	1,074.0	1,764.7	1,704.6	60.10	29.365	
7,900.0	7,801.0	7,600.0	7,359.7	32.2	34.9	123.33	-918.8	1,106.0	1,793.2	1,732.9	60.35	29.714	
8,000.0	7,900.7	7,623.9	7,372.5	32.6	35.1	123.11	-917.7	1,126.1	1,824.3	1,764.0	60.31	30.251	
8,100.0	8,000.5	7,650.0	7,385.5	32.9	35.4	122.85	-916.5	1,148.7	1,858.2	1,798.0	60.17	30.883	
8,200.0	8,100.5	7,669.3	7,394.4	33.2	35.6	122.80	-915.6	1,165.8	1,894.8	1,834.9	59.84	31.665	
8,246.5	8,147.0	7,677.9	7,398.2	33.4	35.6	165.13	-915.2	1,173.5	1,912.7	1,853.1	59.64	32.071	
8,250.0	8,150.5	7,678.5	7,398.4	33.4	35.7	-105.18	-915.2	1,174.1	1,914.1	1,854.5	59.62	32.102	
8,300.0	8,200.4	7,686.1	7,401.7	33.5	35.7	-103.20	-914.9	1,181.0	1,934.9	1,875.5	59.35	32.600	
8,350.0	8,249.9	7,700.0	7,407.4	33.6	35.9	-101.15	-914.2	1,193.6	1,957.6	1,898.4	59.14	33.101	
8,400.0	8,298.7	7,700.0	7,407.4	33.7	35.9	-98.41	-914.2	1,193.6	1,981.9	1,923.2	58.71	33.760	
8,450.0	8,346.2	7,700.0	7,407.4	33.8	35.9	-95.41	-914.2	1,193.6	2,007.7	1,949.4	58.26	34.463	
8,500.0	8,392.3	7,700.0	7,407.4	33.9	35.9	-92.20	-914.2	1,193.6	2,034.8	1,977.0	57.81	35.200	
8,550.0	8,436.5	7,700.0	7,407.4	33.9	35.9	-88.82	-914.2	1,193.6	2,062.8	2,005.4	57.36	35.960	
8,600.0	8,478.5	7,700.0	7,407.4	34.0	35.9	-85.30	-914.2	1,193.6	2,091.6	2,034.7	56.94	36.735	
8,650.0	8,518.0	7,700.0	7,407.4	34.0	35.9	-81.71	-914.2	1,193.6	2,120.9	2,064.4	56.54	37.512	
8,700.0	8,554.6	7,700.0	7,407.4	34.0	35.9	-78.10	-914.2	1,193.6	2,150.5	2,094.3	56.18	38.279	
8,750.0	8,588.1	7,679.5	7,398.9	34.0	35.7	-73.97	-915.2	1,175.0	2,179.7	2,124.2	55.56	39.235	
8,800.0	8,618.3	7,672.8	7,395.9	33.9	35.6	-70.37	-915.5	1,168.9	2,208.9	2,153.7	55.19	40.023	
8,850.0	8,644.9	7,650.0	7,385.5	33.9	35.4	-66.58	-916.5	1,148.7	2,237.7	2,183.0	54.64	40.956	
8,900.0	8,667.7	7,650.0	7,385.5	33.9	35.4	-63.56	-916.5	1,148.7	2,265.4	2,210.9	54.50	41.568	
8,950.0	8,686.6	7,650.0	7,385.5	33.9	35.4	-60.74	-916.5	1,148.7	2,292.3	2,237.9	54.43	42.117	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Kathy Kregor - Kathy Kregor Fed Com #114H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.0	8,701.3	7,650.0	7,385.5	33.9	35.4	-58.14	-916.5	1,148.7	2,318.2	2,263.7	54.42	42.596	
9,050.0	8,711.8	7,628.6	7,374.9	33.9	35.1	-55.46	-917.5	1,130.1	2,342.5	2,288.3	54.17	43.241	
9,100.0	8,718.1	7,618.1	7,369.4	33.9	35.0	-53.24	-918.0	1,121.2	2,365.4	2,311.2	54.15	43.680	
9,146.5	8,720.0	7,600.0	7,359.7	33.9	34.9	-51.31	-918.8	1,106.0	2,385.2	2,331.2	54.07	44.116	
9,200.0	8,720.0	7,600.0	7,359.7	34.1	34.9	-51.31	-918.8	1,106.0	2,407.5	2,353.2	54.33	44.316	
9,300.0	8,720.0	7,575.6	7,345.7	34.5	34.6	-51.04	-919.8	1,085.9	2,451.2	2,396.7	54.53	44.948	
9,400.0	8,720.0	7,550.0	7,330.2	35.2	34.4	-50.75	-920.9	1,065.6	2,497.5	2,442.7	54.81	45.568	
9,500.0	8,720.0	7,550.0	7,330.2	36.2	34.4	-50.75	-920.9	1,065.6	2,546.4	2,490.9	55.49	45.887	
9,600.0	8,720.0	7,519.1	7,310.3	37.3	34.2	-50.37	-922.1	1,042.0	2,597.4	2,541.6	55.83	46.527	
9,700.0	8,720.0	7,500.0	7,297.4	38.6	34.0	-50.13	-922.8	1,028.0	2,650.9	2,594.6	56.35	47.041	
9,800.0	8,720.0	7,500.0	7,297.4	39.9	34.0	-50.13	-922.8	1,028.0	2,706.7	2,649.6	57.13	47.375	
9,900.0	8,720.0	7,471.0	7,276.9	41.4	33.8	-49.75	-923.9	1,007.5	2,764.4	2,706.8	57.60	47.992	
10,000.0	8,720.0	7,450.0	7,261.4	43.0	33.6	-49.46	-924.6	993.3	2,824.2	2,766.0	58.17	48.550	
10,100.0	8,720.0	7,450.0	7,261.4	44.6	33.6	-49.46	-924.6	993.3	2,885.8	2,826.9	58.96	48.942	
10,200.0	8,720.0	7,430.2	7,246.3	46.3	33.5	-49.18	-925.3	980.5	2,949.3	2,889.7	59.55	49.524	
10,300.0	8,720.0	7,400.0	7,222.5	48.1	33.2	-48.74	-926.3	962.0	3,014.8	2,954.7	60.04	50.213	
10,400.0	8,720.0	7,400.0	7,222.5	50.0	33.2	-48.74	-926.3	962.0	3,081.3	3,020.5	60.80	50.680	
10,500.0	8,720.0	7,400.0	7,222.5	51.8	33.2	-48.74	-926.3	962.0	3,149.7	3,088.2	61.54	51.184	
10,600.0	8,720.0	7,400.0	7,222.5	53.8	33.2	-48.74	-926.3	962.0	3,219.7	3,157.5	62.25	51.726	
10,700.0	8,720.0	7,374.9	7,202.1	55.8	33.1	-48.37	-927.0	947.5	3,290.7	3,228.0	62.74	52.452	
10,800.0	8,720.0	7,350.0	7,181.1	57.8	32.9	-48.00	-927.7	934.1	3,363.4	3,300.2	63.22	53.203	
10,900.0	8,720.0	7,350.0	7,181.1	59.8	32.9	-48.00	-927.7	934.1	3,437.0	3,373.1	63.87	53.815	
11,000.0	8,720.0	7,350.0	7,181.1	61.9	32.9	-48.00	-927.7	934.1	3,511.9	3,447.4	64.49	54.458	
11,100.0	8,720.0	7,350.0	7,181.1	64.0	32.9	-48.00	-927.7	934.1	3,588.0	3,522.9	65.08	55.130	
11,200.0	8,720.0	7,350.0	7,181.1	66.1	32.9	-48.00	-927.7	934.1	3,665.2	3,599.6	65.65	55.830	
11,300.0	8,720.0	7,324.5	7,159.1	68.2	32.8	-47.60	-928.4	921.3	3,743.0	3,676.9	66.05	56.672	
11,400.0	8,720.0	7,300.0	7,137.3	70.4	32.6	-47.22	-929.0	909.9	3,822.2	3,755.8	66.43	57.535	
11,500.0	8,720.0	7,300.0	7,137.3	72.6	32.6	-47.22	-929.0	909.9	3,901.9	3,835.0	66.94	58.286	
11,600.0	8,720.0	7,300.0	7,137.3	74.8	32.6	-47.22	-929.0	909.9	3,982.5	3,915.1	67.43	59.060	
11,700.0	8,720.0	7,300.0	7,137.3	77.0	32.6	-47.22	-929.0	909.9	4,064.0	3,996.1	67.90	59.854	
11,800.0	8,720.0	7,300.0	7,137.3	79.2	32.6	-47.22	-929.0	909.9	4,146.3	4,077.9	68.34	60.668	
11,900.0	8,720.0	7,300.0	7,137.3	81.5	32.6	-47.22	-929.0	909.9	4,229.3	4,160.5	68.77	61.500	
12,000.0	8,720.0	7,300.0	7,137.3	83.7	32.6	-47.22	-929.0	909.9	4,313.1	4,243.9	69.18	62.349	
12,100.0	8,720.0	7,275.6	7,115.3	86.0	32.5	-46.84	-929.5	899.6	4,397.0	4,327.5	69.46	63.298	
12,200.0	8,720.0	7,250.0	7,091.7	88.3	32.3	-46.43	-930.0	889.7	4,482.2	4,412.4	69.74	64.273	
12,300.0	8,720.0	7,250.0	7,091.7	90.5	32.3	-46.43	-930.0	889.7	4,567.4	4,497.3	70.10	65.153	
12,400.0	8,720.0	7,250.0	7,091.7	92.8	32.3	-46.43	-930.0	889.7	4,653.3	4,582.8	70.45	66.046	
12,500.0	8,720.0	7,250.0	7,091.7	95.1	32.3	-46.43	-930.0	889.7	4,739.6	4,668.9	70.79	66.952	
12,600.0	8,720.0	7,250.0	7,091.7	97.4	32.3	-46.43	-930.0	889.7	4,826.6	4,755.4	71.11	67.870	
12,700.0	8,720.0	7,250.0	7,091.7	99.8	32.3	-46.43	-930.0	889.7	4,914.0	4,842.5	71.43	68.799	
12,800.0	8,720.0	7,250.0	7,091.7	102.1	32.3	-46.43	-930.0	889.7	5,001.9	4,930.1	71.72	69.738	
12,900.0	8,720.0	7,250.0	7,091.7	104.4	32.3	-46.43	-930.0	889.7	5,090.2	5,018.2	72.01	70.688	
13,000.0	8,720.0	7,250.0	7,091.7	106.7	32.3	-46.43	-930.0	889.7	5,178.9	5,106.7	72.28	71.646	
13,100.0	8,720.0	7,250.0	7,091.7	109.1	32.3	-46.43	-930.0	889.7	5,268.1	5,195.6	72.55	72.613	
13,200.0	8,720.0	7,250.0	7,091.7	111.4	32.3	-46.43	-930.0	889.7	5,357.6	5,284.8	72.81	73.588	
13,300.0	8,720.0	7,226.0	7,069.2	113.8	32.2	-46.05	-930.5	881.4	5,447.0	5,374.0	72.99	74.629	
13,400.0	8,720.0	7,222.8	7,066.1	116.1	32.2	-45.99	-930.5	880.3	5,537.1	5,463.9	73.22	75.624	
13,500.0	8,720.0	7,200.0	7,044.4	118.5	32.1	-45.63	-930.9	873.5	5,627.9	5,554.5	73.39	76.684	
13,600.0	8,720.0	7,200.0	7,044.4	120.8	32.1	-45.63	-930.9	873.5	5,718.5	5,644.9	73.62	77.678	
13,700.0	8,720.0	7,200.0	7,044.4	123.2	32.1	-45.63	-930.9	873.5	5,809.4	5,735.6	73.84	78.679	
13,800.0	8,720.0	7,200.0	7,044.4	125.6	32.1	-45.63	-930.9	873.5	5,900.7	5,826.6	74.05	79.685	
13,900.0	8,720.0	7,200.0	7,044.4	127.9	32.1	-45.63	-930.9	873.5	5,992.2	5,917.9	74.26	80.697	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Kathy Kregor - Kathy Kregor Fed Com #114H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.0	8,720.0	7,200.0	7,044.4	130.3	32.1	-45.63	-930.9	873.5	6,083.9	6,009.5	74.45	81.714	
14,100.0	8,720.0	7,200.0	7,044.4	132.7	32.1	-45.63	-930.9	873.5	6,176.0	6,101.3	74.65	82.735	
14,200.0	8,720.0	7,200.0	7,044.4	135.1	32.1	-45.63	-930.9	873.5	6,268.2	6,193.4	74.83	83.761	
14,300.0	8,720.0	7,200.0	7,044.4	137.4	32.1	-45.63	-930.9	873.5	6,360.7	6,285.7	75.02	84.791	
14,400.0	8,720.0	7,200.0	7,044.4	139.8	32.1	-45.63	-930.9	873.5	6,453.5	6,378.3	75.19	85.824	
14,500.0	8,720.0	7,200.0	7,044.4	142.2	32.1	-45.63	-930.9	873.5	6,546.4	6,471.0	75.37	86.862	
14,600.0	8,720.0	7,200.0	7,044.4	144.6	32.1	-45.63	-930.9	873.5	6,639.5	6,564.0	75.53	87.902	
14,700.0	8,720.0	7,200.0	7,044.4	147.0	32.1	-45.63	-930.9	873.5	6,732.9	6,657.2	75.70	88.946	
14,800.0	8,720.0	7,200.0	7,044.4	149.4	32.1	-45.63	-930.9	873.5	6,826.4	6,750.6	75.86	89.992	
14,900.0	8,720.0	7,200.0	7,044.4	151.8	32.1	-45.63	-930.9	873.5	6,920.1	6,844.1	76.01	91.041	
15,000.0	8,720.0	7,200.0	7,044.4	154.2	32.1	-45.63	-930.9	873.5	7,014.0	6,937.9	76.16	92.093	
15,100.0	8,720.0	7,200.0	7,044.4	156.6	32.1	-45.63	-930.9	873.5	7,108.1	7,031.8	76.31	93.147	
15,200.0	8,720.0	7,200.0	7,044.4	159.0	32.1	-45.63	-930.9	873.5	7,202.3	7,125.8	76.46	94.202	
15,300.0	8,720.0	7,176.5	7,021.8	161.4	32.0	-45.25	-931.2	867.3	7,296.1	7,219.6	76.56	95.299	
15,400.0	8,720.0	7,174.7	7,020.0	163.8	32.0	-45.22	-931.2	866.9	7,390.6	7,313.9	76.70	96.360	
15,500.0	8,720.0	7,172.9	7,018.3	166.2	32.0	-45.19	-931.2	866.4	7,485.2	7,408.3	76.83	97.423	
15,600.0	8,720.0	7,150.0	6,995.9	168.6	31.9	-44.82	-931.5	861.4	7,580.3	7,503.3	76.93	98.535	
15,700.0	8,720.0	7,150.0	6,995.9	171.0	31.9	-44.82	-931.5	861.4	7,675.0	7,598.0	77.06	99.595	
15,800.0	8,720.0	7,150.0	6,995.9	173.4	31.9	-44.82	-931.5	861.4	7,769.9	7,692.8	77.19	100.657	
15,900.0	8,720.0	7,150.0	6,995.9	175.8	31.9	-44.82	-931.5	861.4	7,865.0	7,787.7	77.32	101.719	
16,000.0	8,720.0	7,150.0	6,995.9	178.2	31.9	-44.82	-931.5	861.4	7,960.1	7,882.7	77.45	102.783	
16,100.0	8,720.0	7,150.0	6,995.9	180.6	31.9	-44.82	-931.5	861.4	8,055.4	7,977.8	77.57	103.848	
16,200.0	8,720.0	7,150.0	6,995.9	183.0	31.9	-44.82	-931.5	861.4	8,150.8	8,073.1	77.69	104.913	
16,300.0	8,720.0	7,150.0	6,995.9	185.5	31.9	-44.82	-931.5	861.4	8,246.3	8,168.5	77.81	105.979	
16,400.0	8,720.0	7,150.0	6,995.9	187.9	31.9	-44.82	-931.5	861.4	8,341.9	8,263.9	77.93	107.045	
16,500.0	8,720.0	7,150.0	6,995.9	190.3	31.9	-44.82	-931.5	861.4	8,437.6	8,359.5	78.04	108.113	
16,600.0	8,720.0	7,150.0	6,995.9	192.7	31.9	-44.82	-931.5	861.4	8,533.4	8,455.2	78.16	109.180	
16,700.0	8,720.0	7,150.0	6,995.9	195.1	31.9	-44.82	-931.5	861.4	8,629.3	8,551.0	78.27	110.248	
16,800.0	8,720.0	7,150.0	6,995.9	197.5	31.9	-44.82	-931.5	861.4	8,725.3	8,646.9	78.38	111.316	
16,900.0	8,720.0	7,150.0	6,995.9	200.0	31.9	-44.82	-931.5	861.4	8,821.3	8,742.8	78.49	112.383	
17,000.0	8,720.0	7,150.0	6,995.9	202.4	31.9	-44.82	-931.5	861.4	8,917.5	8,838.9	78.60	113.451	
17,100.0	8,720.0	7,150.0	6,995.9	204.8	31.9	-44.82	-931.5	861.4	9,013.7	8,935.0	78.71	114.519	
17,200.0	8,720.0	7,150.0	6,995.9	207.2	31.9	-44.82	-931.5	861.4	9,110.1	9,031.3	78.82	115.587	
17,300.0	8,720.0	7,150.0	6,995.9	209.6	31.9	-44.82	-931.5	861.4	9,206.5	9,127.6	78.92	116.655	
17,400.0	8,720.0	7,150.0	6,995.9	212.1	31.9	-44.82	-931.5	861.4	9,303.0	9,223.9	79.02	117.722	
17,500.0	8,720.0	7,150.0	6,995.9	214.5	31.9	-44.82	-931.5	861.4	9,399.5	9,320.4	79.13	118.789	
17,600.0	8,720.0	7,150.0	6,995.9	216.9	31.9	-44.82	-931.5	861.4	9,496.1	9,416.9	79.23	119.855	
17,700.0	8,720.0	7,150.0	6,995.9	219.3	31.9	-44.82	-931.5	861.4	9,592.8	9,513.5	79.33	120.921	
17,800.0	8,720.0	7,150.0	6,995.9	221.8	31.9	-44.82	-931.5	861.4	9,689.6	9,610.2	79.43	121.987	
17,900.0	8,720.0	7,150.0	6,995.9	224.2	31.9	-44.82	-931.5	861.4	9,786.4	9,706.9	79.53	123.052	
18,000.0	8,720.0	7,150.0	6,995.9	226.6	31.9	-44.82	-931.5	861.4	9,883.3	9,803.7	79.63	124.116	
18,100.0	8,720.0	7,150.0	6,995.9	229.1	31.9	-44.82	-931.5	861.4	9,980.3	9,900.5	79.73	125.179	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Kathy Kregor - Kathy Kregor Fed Com #134H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	0.0	0.0	179.82	-109.5	0.3	109.5				
100.0	100.0	102.0	102.0	0.1	0.1	179.82	-109.5	0.3	109.5	109.3	0.26	415.755	
200.0	200.0	202.0	202.0	0.5	0.5	179.82	-109.5	0.3	109.5	108.6	0.98	111.730	
300.0	300.0	302.0	302.0	0.8	0.9	179.82	-109.5	0.3	109.5	107.8	1.70	64.537	
400.0	400.0	402.0	402.0	1.2	1.2	-30.99	-109.5	0.3	108.8	106.4	2.40	45.334	
424.5	424.5	426.5	426.5	1.3	1.3	-31.13	-109.5	0.3	108.4	105.8	2.57	42.162	
500.0	500.0	502.0	502.0	1.5	1.6	-31.58	-109.5	0.3	107.0	103.9	3.10	34.532	
600.0	599.9	601.9	601.9	1.9	1.9	-32.20	-109.5	0.3	105.1	101.3	3.80	27.646	
700.0	699.9	701.9	701.9	2.2	2.3	-32.84	-109.5	0.3	103.3	98.8	4.51	22.896	
800.0	799.9	801.9	801.9	2.6	2.6	-33.51	-109.5	0.3	101.5	96.3	5.22	19.429	
900.0	899.9	901.9	901.9	2.9	3.0	-34.20	-109.5	0.3	99.7	93.7	5.94	16.792	
1,000.0	999.9	1,001.9	1,001.9	3.3	3.4	-34.91	-109.5	0.3	97.9	91.2	6.65	14.720	
1,081.2	1,081.0	1,081.3	1,081.3	3.6	3.6	-36.04	-110.2	1.3	97.2	90.0	7.21	13.471	CC
1,100.0	1,099.8	1,099.7	1,099.7	3.7	3.7	-36.45	-110.5	1.8	97.2	89.9	7.34	13.236	ES
1,200.0	1,199.8	1,197.4	1,197.3	4.0	4.0	-39.47	-113.2	6.1	98.8	90.8	8.03	12.313	
1,300.0	1,299.8	1,294.7	1,294.1	4.4	4.4	-43.69	-117.7	13.1	103.2	94.5	8.71	11.845	
1,400.0	1,399.8	1,391.2	1,390.0	4.7	4.7	-48.61	-124.0	22.8	110.7	101.3	9.39	11.787	SF
1,475.7	1,475.5	1,465.1	1,463.1	5.0	5.0	-52.49	-129.8	31.8	118.4	108.5	9.91	11.953	
1,500.0	1,499.7	1,489.1	1,486.8	5.1	5.1	-53.67	-131.7	34.8	121.1	111.0	10.08	12.020	
1,600.3	1,600.0	1,588.2	1,584.9	5.4	5.4	152.94	-139.7	47.1	133.3	122.5	10.77	12.377	
1,700.0	1,699.7	1,686.9	1,682.4	5.8	5.8	107.91	-147.6	59.4	146.5	135.1	11.45	12.800	
1,800.0	1,799.7	1,785.8	1,780.3	6.1	6.2	106.22	-155.5	71.7	160.5	148.4	12.13	13.233	
1,900.0	1,899.6	1,884.7	1,878.1	6.4	6.6	105.34	-163.5	84.0	175.1	162.3	12.82	13.657	
2,000.0	1,999.4	1,983.6	1,975.9	6.8	7.0	105.07	-171.4	96.3	190.1	176.6	13.52	14.066	
2,100.0	2,099.1	2,082.4	2,073.6	7.1	7.4	105.30	-179.3	108.7	205.6	191.4	14.22	14.461	
2,200.0	2,198.6	2,181.0	2,171.1	7.5	7.8	105.90	-187.2	120.9	221.6	206.7	14.93	14.843	
2,300.0	2,298.0	2,279.6	2,268.6	7.8	8.2	106.81	-195.2	133.2	238.1	222.5	15.65	15.217	
2,400.0	2,397.1	2,377.9	2,365.9	8.2	8.6	107.95	-203.0	145.5	255.2	238.8	16.37	15.586	
2,500.0	2,496.0	2,476.1	2,463.0	8.5	9.0	109.27	-210.9	157.7	273.0	255.9	17.11	15.955	
2,600.0	2,594.7	2,574.1	2,559.8	8.9	9.4	110.72	-218.8	169.9	291.5	273.7	17.85	16.327	
2,697.6	2,690.7	2,669.4	2,654.1	9.3	9.8	112.24	-226.4	181.8	310.4	291.9	18.59	16.697	
2,700.0	2,693.0	2,671.8	2,656.4	9.3	9.8	112.28	-226.6	182.0	310.9	292.3	18.61	16.706	
2,800.0	2,791.2	2,769.3	2,752.9	9.7	10.2	113.94	-234.5	194.2	330.9	311.5	19.38	17.077	
2,900.0	2,889.3	2,866.9	2,849.4	10.1	10.6	115.42	-242.3	206.3	351.1	331.0	20.15	17.428	
3,000.0	2,987.5	2,964.4	2,945.9	10.5	11.0	116.74	-250.1	218.5	371.5	350.6	20.92	17.758	
3,100.0	3,085.7	3,062.0	3,042.4	10.9	11.5	117.91	-257.9	230.6	392.1	370.4	21.70	18.070	
3,200.0	3,183.8	3,159.5	3,138.8	11.3	11.9	118.98	-265.8	242.8	412.8	390.3	22.48	18.363	
3,300.0	3,282.0	3,257.1	3,235.3	11.7	12.3	119.94	-273.6	254.9	433.7	410.4	23.27	18.639	
3,400.0	3,380.2	3,354.6	3,331.8	12.1	12.7	120.81	-281.4	267.1	454.6	430.6	24.05	18.899	
3,500.0	3,478.4	3,452.2	3,428.3	12.6	13.1	121.60	-289.2	279.2	475.7	450.8	24.85	19.145	
3,600.0	3,576.5	3,549.8	3,524.7	13.0	13.5	122.33	-297.1	291.4	496.8	471.2	25.64	19.377	
3,700.0	3,674.7	3,647.3	3,621.2	13.4	13.9	123.00	-304.9	303.5	518.0	491.6	26.43	19.597	
3,800.0	3,772.9	3,744.9	3,717.7	13.8	14.3	123.62	-312.7	315.7	539.2	512.0	27.23	19.805	
3,900.0	3,871.1	3,842.4	3,814.2	14.3	14.8	124.19	-320.6	327.8	560.6	532.5	28.03	20.001	
4,000.0	3,969.2	3,940.0	3,910.7	14.7	15.2	124.72	-328.4	340.0	581.9	553.1	28.83	20.188	
4,100.0	4,067.4	4,037.5	4,007.1	15.1	15.6	125.21	-336.2	352.1	603.3	573.7	29.63	20.365	
4,200.0	4,165.6	4,135.1	4,103.6	15.6	16.0	125.66	-344.0	364.3	624.8	594.4	30.43	20.534	
4,300.0	4,263.7	4,232.6	4,200.1	16.0	16.4	126.09	-351.9	376.4	646.3	615.0	31.23	20.694	
4,400.0	4,361.9	4,330.2	4,296.6	16.5	16.8	126.49	-359.7	388.6	667.8	635.8	32.03	20.847	
4,500.0	4,460.1	4,427.7	4,393.1	16.9	17.3	126.86	-367.5	400.7	689.3	656.5	32.84	20.992	
4,600.0	4,558.3	4,525.3	4,489.5	17.4	17.7	127.22	-375.4	412.9	710.9	677.3	33.64	21.131	
4,700.0	4,656.4	4,622.9	4,586.0	17.8	18.1	127.55	-383.2	425.0	732.5	698.0	34.45	21.264	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Kathy Kregor - Kathy Kregor Fed Com #134H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	4,720.4	4,682.5	18.2	18.5	127.86	-391.0	437.2	754.1	718.9	35.25	21.390	
4,900.0	4,852.8	4,818.0	4,779.0	18.7	18.9	128.15	-398.8	449.3	775.8	739.7	36.06	21.512	
5,000.0	4,950.9	4,915.5	4,875.5	19.1	19.3	128.43	-406.7	461.5	797.4	760.5	36.87	21.628	
5,100.0	5,049.1	5,013.1	4,971.9	19.6	19.8	128.70	-414.5	473.6	819.1	781.4	37.68	21.739	
5,200.0	5,147.3	5,110.6	5,068.4	20.0	20.2	128.95	-422.3	485.8	840.8	802.3	38.49	21.846	
5,300.0	5,245.5	5,208.2	5,164.9	20.5	20.6	129.19	-430.1	497.9	862.5	823.2	39.30	21.948	
5,400.0	5,343.6	5,305.7	5,261.4	20.9	21.0	129.41	-438.0	510.1	884.2	844.1	40.11	22.046	
5,500.0	5,441.8	5,403.3	5,357.8	21.4	21.4	129.63	-445.8	522.2	905.9	865.0	40.92	22.141	
5,600.0	5,540.0	5,500.9	5,454.3	21.8	21.9	129.83	-453.6	534.4	927.7	885.9	41.73	22.232	
5,700.0	5,638.1	5,601.6	5,550.8	22.3	22.3	130.03	-461.5	546.5	949.4	906.9	42.55	22.312	
5,800.0	5,736.3	5,704.0	5,647.3	22.8	22.7	130.22	-469.3	558.7	971.2	927.8	43.38	22.386	
5,900.0	5,834.5	5,793.5	5,743.8	23.2	23.1	130.40	-477.1	570.8	992.9	948.8	44.16	22.485	
6,000.0	5,932.7	5,908.9	5,840.2	23.7	23.6	130.57	-484.9	583.0	1,014.7	969.7	45.05	22.527	
6,100.0	6,030.8	5,988.6	5,936.7	24.1	23.9	130.73	-492.8	595.1	1,036.5	990.7	45.79	22.638	
6,200.0	6,129.0	6,086.2	6,033.2	24.6	24.4	130.89	-500.6	607.3	1,058.3	1,011.7	46.60	22.711	
6,300.0	6,227.2	6,183.7	6,129.7	25.0	24.8	131.04	-508.4	619.4	1,080.1	1,032.7	47.41	22.782	
6,400.0	6,325.3	6,281.3	6,226.2	25.5	25.2	131.18	-516.3	631.5	1,101.9	1,053.7	48.22	22.850	
6,500.0	6,423.5	6,378.9	6,322.6	25.9	25.6	131.32	-524.1	643.7	1,123.7	1,074.7	49.04	22.916	
6,600.0	6,521.7	6,476.4	6,419.1	26.4	26.0	131.46	-531.9	655.8	1,145.6	1,095.7	49.85	22.979	
6,700.0	6,619.9	6,574.0	6,515.6	26.9	26.5	131.59	-539.7	668.0	1,167.4	1,116.7	50.67	23.041	
6,800.0	6,718.0	6,671.5	6,612.1	27.3	26.9	131.71	-547.6	680.1	1,189.2	1,137.7	51.48	23.101	
6,900.0	6,816.2	6,769.1	6,708.5	27.8	27.3	131.83	-555.4	692.3	1,211.1	1,158.8	52.29	23.158	
7,000.0	6,914.4	6,866.6	6,805.0	28.2	27.7	131.95	-563.2	704.4	1,232.9	1,179.8	53.11	23.215	
7,100.0	7,012.5	6,964.2	6,901.5	28.7	28.1	132.06	-571.0	716.6	1,254.8	1,200.8	53.92	23.269	
7,200.0	7,110.7	7,061.7	6,998.0	29.1	28.6	132.17	-578.9	728.7	1,276.6	1,221.9	54.74	23.322	
7,300.0	7,208.9	7,159.3	7,094.5	29.6	29.0	132.27	-586.7	740.9	1,298.5	1,242.9	55.55	23.373	
7,400.0	7,307.1	7,256.9	7,190.9	30.1	29.4	132.37	-594.5	753.0	1,320.3	1,264.0	56.37	23.423	
7,500.0	7,405.2	7,354.4	7,287.4	30.5	29.8	132.47	-602.4	765.2	1,342.2	1,285.0	57.19	23.471	
7,514.9	7,419.9	7,369.0	7,301.8	30.6	29.9	132.48	-603.5	767.0	1,345.5	1,288.2	57.31	23.478	
7,600.0	7,503.6	7,452.1	7,384.0	31.0	30.2	132.74	-610.2	777.4	1,363.4	1,305.4	58.00	23.509	
7,700.0	7,602.4	7,550.2	7,481.0	31.4	30.7	132.94	-618.1	789.6	1,383.0	1,324.2	58.80	23.520	
7,800.0	7,701.5	7,648.6	7,578.3	31.8	31.1	133.04	-626.0	801.8	1,400.7	1,341.2	59.59	23.507	
7,900.0	7,801.0	7,747.2	7,675.9	32.2	31.5	133.04	-633.9	814.1	1,416.8	1,356.4	60.36	23.470	
8,000.0	7,900.7	7,873.9	7,801.5	32.6	32.0	132.94	-643.0	828.2	1,430.1	1,368.8	61.33	23.319	
8,100.0	8,000.5	8,002.9	7,929.8	32.9	32.5	132.83	-649.9	839.0	1,439.7	1,377.4	62.25	23.128	
8,200.0	8,100.5	8,132.6	8,059.3	33.2	33.0	132.72	-654.6	846.2	1,445.4	1,382.3	63.10	22.905	
8,246.5	8,147.0	8,193.1	8,119.7	33.4	33.2	174.99	-655.9	848.3	1,446.8	1,383.3	63.48	22.790	
8,250.0	8,150.5	8,197.7	8,124.3	33.4	33.2	-95.45	-656.0	848.4	1,446.8	1,383.3	63.51	22.781	
8,300.0	8,200.4	8,262.7	8,189.2	33.5	33.5	-95.52	-656.8	849.7	1,447.8	1,383.9	63.88	22.664	
8,350.0	8,249.9	8,325.4	8,251.9	33.6	33.6	-95.78	-657.0	850.0	1,448.7	1,384.5	64.21	22.561	
8,400.0	8,298.7	8,374.1	8,300.7	33.7	33.8	-96.09	-657.0	850.0	1,449.9	1,385.4	64.46	22.491	
8,450.0	8,346.2	8,421.7	8,348.2	33.8	33.9	-96.49	-657.0	850.0	1,451.6	1,386.9	64.69	22.439	
8,500.0	8,392.3	8,467.8	8,394.3	33.9	34.1	-96.94	-657.0	850.0	1,454.1	1,389.2	64.90	22.405	
8,550.0	8,436.5	8,511.9	8,438.5	33.9	34.2	-97.42	-657.0	850.0	1,457.4	1,392.3	65.09	22.391	
8,600.0	8,478.5	8,553.9	8,480.5	34.0	34.3	-97.89	-657.0	850.0	1,461.7	1,396.4	65.26	22.399	
8,650.0	8,518.0	8,606.6	8,520.0	34.0	34.5	-98.29	-657.0	850.0	1,467.1	1,401.7	65.44	22.418	
8,700.0	8,554.6	8,630.1	8,556.6	34.0	34.5	-98.58	-657.0	850.0	1,473.9	1,408.3	65.54	22.490	
8,750.0	8,588.1	8,663.6	8,590.1	34.0	34.6	-98.72	-657.0	850.0	1,482.1	1,416.5	65.66	22.574	
8,800.0	8,618.3	8,706.2	8,620.3	33.9	34.8	-98.67	-657.0	850.0	1,491.9	1,426.1	65.80	22.673	
8,850.0	8,644.9	8,720.4	8,646.9	33.9	34.8	-98.37	-657.0	850.0	1,503.4	1,437.6	65.86	22.828	
8,900.0	8,667.7	8,743.2	8,669.7	33.9	34.9	-97.80	-657.0	850.0	1,516.7	1,450.8	65.95	22.997	
8,950.0	8,686.6	8,762.0	8,688.6	33.9	34.9	-96.91	-657.0	850.0	1,531.8	1,465.7	66.04	23.196	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Kathy Kregor - Kathy Kregor Fed Com #134H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.0	8,701.3	8,776.8	8,703.3	33.9	35.0	-95.68	-657.0	850.0	1,548.6	1,482.5	66.11	23.424	
9,050.0	8,711.8	8,787.3	8,713.8	33.9	35.0	-94.10	-657.0	850.0	1,567.2	1,501.0	66.18	23.679	
9,100.0	8,718.1	8,793.5	8,720.1	33.9	35.0	-92.14	-657.0	850.0	1,587.3	1,521.1	66.25	23.961	
9,146.5	8,720.0	8,795.4	8,722.0	33.9	35.0	-90.00	-657.0	850.0	1,607.4	1,541.1	66.30	24.246	
9,200.0	8,720.0	8,795.4	8,722.0	34.1	35.0	-90.00	-657.0	850.0	1,631.8	1,565.4	66.36	24.591	
9,300.0	8,720.0	8,795.4	8,722.0	34.5	35.0	-90.00	-657.0	850.0	1,681.0	1,614.5	66.52	25.271	
9,400.0	8,720.0	8,795.4	8,722.0	35.2	35.0	-90.00	-657.0	850.0	1,734.6	1,667.9	66.74	25.992	
9,500.0	8,720.0	8,795.4	8,722.0	36.2	35.0	-90.00	-657.0	850.0	1,792.2	1,725.2	66.99	26.753	
9,600.0	8,720.0	8,795.4	8,722.0	37.3	35.0	-90.00	-657.0	850.0	1,853.4	1,786.1	67.27	27.551	
9,700.0	8,720.0	8,795.4	8,722.0	38.6	35.0	-90.00	-657.0	850.0	1,917.9	1,850.3	67.57	28.384	
9,800.0	8,720.0	8,795.4	8,722.0	39.9	35.0	-90.00	-657.0	850.0	1,985.3	1,917.4	67.87	29.249	
9,900.0	8,720.0	8,795.4	8,722.0	41.4	35.0	-90.00	-657.0	850.0	2,055.3	1,987.1	68.18	30.145	
10,000.0	8,720.0	8,795.4	8,722.0	43.0	35.0	-90.00	-657.0	850.0	2,127.8	2,059.3	68.49	31.068	
10,100.0	8,720.0	8,795.4	8,722.0	44.6	35.0	-90.00	-657.0	850.0	2,202.4	2,133.6	68.79	32.017	
10,200.0	8,720.0	8,795.4	8,722.0	46.3	35.0	-90.00	-657.0	850.0	2,279.0	2,209.9	69.08	32.990	
10,300.0	8,720.0	8,795.4	8,722.0	48.1	35.0	-90.00	-657.0	850.0	2,357.3	2,287.9	69.36	33.985	
10,400.0	8,720.0	8,795.4	8,722.0	50.0	35.0	-90.00	-657.0	850.0	2,437.2	2,367.6	69.63	34.999	
10,500.0	8,720.0	8,795.4	8,722.0	51.8	35.0	-90.00	-657.0	850.0	2,518.5	2,448.6	69.90	36.032	
10,600.0	8,720.0	8,795.4	8,722.0	53.8	35.0	-90.00	-657.0	850.0	2,601.2	2,531.0	70.15	37.082	
10,700.0	8,720.0	8,795.4	8,722.0	55.8	35.0	-90.00	-657.0	850.0	2,685.0	2,614.6	70.39	38.147	
10,800.0	8,720.0	8,795.4	8,722.0	57.8	35.0	-90.00	-657.0	850.0	2,769.9	2,699.3	70.61	39.226	
10,900.0	8,720.0	8,795.4	8,722.0	59.8	35.0	-90.00	-657.0	850.0	2,855.8	2,784.9	70.83	40.317	
11,000.0	8,720.0	8,795.4	8,722.0	61.9	35.0	-90.00	-657.0	850.0	2,942.5	2,871.5	71.04	41.420	
11,100.0	8,720.0	8,795.4	8,722.0	64.0	35.0	-90.00	-657.0	850.0	3,030.1	2,958.9	71.24	42.534	
11,200.0	8,720.0	8,795.4	8,722.0	66.1	35.0	-90.00	-657.0	850.0	3,118.4	3,047.0	71.43	43.658	
11,300.0	8,720.0	8,795.4	8,722.0	68.2	35.0	-90.00	-657.0	850.0	3,207.5	3,135.8	71.61	44.791	
11,400.0	8,720.0	8,795.4	8,722.0	70.4	35.0	-90.00	-657.0	850.0	3,297.1	3,225.3	71.78	45.931	
11,500.0	8,720.0	8,795.4	8,722.0	72.6	35.0	-90.00	-657.0	850.0	3,387.3	3,315.4	71.95	47.079	
11,600.0	8,720.0	8,795.4	8,722.0	74.8	35.0	-90.00	-657.0	850.0	3,478.1	3,406.0	72.11	48.234	
11,700.0	8,720.0	8,795.4	8,722.0	77.0	35.0	-90.00	-657.0	850.0	3,569.3	3,497.1	72.26	49.395	
11,800.0	8,720.0	8,795.4	8,722.0	79.2	35.0	-90.00	-657.0	850.0	3,661.1	3,588.6	72.41	50.562	
11,900.0	8,720.0	8,795.4	8,722.0	81.5	35.0	-90.00	-657.0	850.0	3,753.2	3,680.6	72.55	51.734	
12,000.0	8,720.0	8,795.4	8,722.0	83.7	35.0	-90.00	-657.0	850.0	3,845.7	3,773.0	72.68	52.911	
12,100.0	8,720.0	8,795.4	8,722.0	86.0	35.0	-90.00	-657.0	850.0	3,938.6	3,865.8	72.81	54.092	
12,200.0	8,720.0	8,795.4	8,722.0	88.3	35.0	-90.00	-657.0	850.0	4,031.8	3,958.9	72.94	55.276	
12,300.0	8,720.0	8,795.4	8,722.0	90.5	35.0	-90.00	-657.0	850.0	4,125.4	4,052.3	73.06	56.465	
12,400.0	8,720.0	8,795.4	8,722.0	92.8	35.0	-90.00	-657.0	850.0	4,219.2	4,146.1	73.18	57.656	
12,500.0	8,720.0	8,795.4	8,722.0	95.1	35.0	-90.00	-657.0	850.0	4,313.4	4,240.1	73.29	58.851	
12,600.0	8,720.0	8,795.4	8,722.0	97.4	35.0	-90.00	-657.0	850.0	4,407.7	4,334.3	73.40	60.048	
12,700.0	8,720.0	8,795.4	8,722.0	99.8	35.0	-90.00	-657.0	850.0	4,502.4	4,428.8	73.51	61.247	
12,800.0	8,720.0	8,795.4	8,722.0	102.1	35.0	-90.00	-657.0	850.0	4,597.2	4,523.6	73.62	62.449	
12,900.0	8,720.0	8,795.4	8,722.0	104.4	35.0	-90.00	-657.0	850.0	4,692.3	4,618.6	73.72	63.652	
13,000.0	8,720.0	8,795.4	8,722.0	106.7	35.0	-90.00	-657.0	850.0	4,787.5	4,713.7	73.82	64.857	
13,100.0	8,720.0	8,795.4	8,722.0	109.1	35.0	-90.00	-657.0	850.0	4,883.0	4,809.1	73.91	66.063	
13,200.0	8,720.0	8,795.4	8,722.0	111.4	35.0	-90.00	-657.0	850.0	4,978.6	4,904.6	74.01	67.271	
13,300.0	8,720.0	8,795.4	8,722.0	113.8	35.0	-90.00	-657.0	850.0	5,074.4	5,000.3	74.10	68.479	
13,400.0	8,720.0	8,795.4	8,722.0	116.1	35.0	-90.00	-657.0	850.0	5,170.4	5,096.2	74.19	69.689	
13,500.0	8,720.0	8,795.4	8,722.0	118.5	35.0	-90.00	-657.0	850.0	5,266.5	5,192.2	74.28	70.899	
13,600.0	8,720.0	8,795.4	8,722.0	120.8	35.0	-90.00	-657.0	850.0	5,362.8	5,288.4	74.37	72.110	
13,700.0	8,720.0	8,795.4	8,722.0	123.2	35.0	-90.00	-657.0	850.0	5,459.1	5,384.7	74.46	73.321	
13,800.0	8,720.0	8,795.4	8,722.0	125.6	35.0	-90.00	-657.0	850.0	5,555.7	5,481.1	74.54	74.533	
13,900.0	8,720.0	8,795.4	8,722.0	127.9	35.0	-90.00	-657.0	850.0	5,652.3	5,577.7	74.62	75.744	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Kathy Kregor - Kathy Kregor Fed Com #134H - Wellbore #1 - BLM Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.0	8,720.0	8,795.4	8,722.0	130.3	35.0	-90.00	-657.0	850.0	5,749.0	5,674.3	74.71	76.956	
14,100.0	8,720.0	8,795.4	8,722.0	132.7	35.0	-90.00	-657.0	850.0	5,845.9	5,771.1	74.79	78.168	
14,200.0	8,720.0	8,795.4	8,722.0	135.1	35.0	-90.00	-657.0	850.0	5,942.9	5,868.0	74.87	79.380	
14,300.0	8,720.0	8,795.4	8,722.0	137.4	35.0	-90.00	-657.0	850.0	6,039.9	5,965.0	74.95	80.591	
14,400.0	8,720.0	8,795.4	8,722.0	139.8	35.0	-90.00	-657.0	850.0	6,137.1	6,062.1	75.02	81.802	
14,500.0	8,720.0	8,795.4	8,722.0	142.2	35.0	-90.00	-657.0	850.0	6,234.3	6,159.2	75.10	83.012	
14,600.0	8,720.0	8,795.4	8,722.0	144.6	35.0	-90.00	-657.0	850.0	6,331.7	6,256.5	75.18	84.222	
14,700.0	8,720.0	8,795.4	8,722.0	147.0	35.0	-90.00	-657.0	850.0	6,429.1	6,353.8	75.25	85.431	
14,800.0	8,720.0	8,795.4	8,722.0	149.4	35.0	-90.00	-657.0	850.0	6,526.6	6,451.3	75.33	86.640	
14,900.0	8,720.0	8,795.4	8,722.0	151.8	35.0	-90.00	-657.0	850.0	6,624.2	6,548.8	75.40	87.848	
15,000.0	8,720.0	8,795.4	8,722.0	154.2	35.0	-90.00	-657.0	850.0	6,721.8	6,646.3	75.48	89.055	
15,100.0	8,720.0	8,795.4	8,722.0	156.6	35.0	-90.00	-657.0	850.0	6,819.5	6,744.0	75.55	90.261	
15,200.0	8,720.0	8,795.4	8,722.0	159.0	35.0	-90.00	-657.0	850.0	6,917.3	6,841.7	75.63	91.466	
15,300.0	8,720.0	8,795.4	8,722.0	161.4	35.0	-90.00	-657.0	850.0	7,015.1	6,939.4	75.70	92.670	
15,400.0	8,720.0	8,795.4	8,722.0	163.8	35.0	-90.00	-657.0	850.0	7,113.0	7,037.2	75.77	93.872	
15,500.0	8,720.0	8,795.4	8,722.0	166.2	35.0	-90.00	-657.0	850.0	7,211.0	7,135.1	75.85	95.074	
15,600.0	8,720.0	8,795.4	8,722.0	168.6	35.0	-90.00	-657.0	850.0	7,309.0	7,233.1	75.92	96.274	
15,700.0	8,720.0	8,795.4	8,722.0	171.0	35.0	-90.00	-657.0	850.0	7,407.0	7,331.1	75.99	97.473	
15,800.0	8,720.0	8,795.4	8,722.0	173.4	35.0	-90.00	-657.0	850.0	7,505.2	7,429.1	76.06	98.671	
15,900.0	8,720.0	8,795.4	8,722.0	175.8	35.0	-90.00	-657.0	850.0	7,603.3	7,527.2	76.13	99.867	
16,000.0	8,720.0	8,795.4	8,722.0	178.2	35.0	-90.00	-657.0	850.0	7,701.5	7,625.3	76.21	101.061	
16,100.0	8,720.0	8,795.4	8,722.0	180.6	35.0	-90.00	-657.0	850.0	7,799.8	7,723.5	76.28	102.255	
16,200.0	8,720.0	8,795.4	8,722.0	183.0	35.0	-90.00	-657.0	850.0	7,898.1	7,821.7	76.35	103.446	
16,300.0	8,720.0	8,795.4	8,722.0	185.5	35.0	-90.00	-657.0	850.0	7,996.4	7,920.0	76.42	104.636	
16,400.0	8,720.0	8,795.4	8,722.0	187.9	35.0	-90.00	-657.0	850.0	8,094.8	8,018.3	76.49	105.824	
16,500.0	8,720.0	8,795.4	8,722.0	190.3	35.0	-90.00	-657.0	850.0	8,193.2	8,116.7	76.56	107.011	
16,600.0	8,720.0	8,795.4	8,722.0	192.7	35.0	-90.00	-657.0	850.0	8,291.7	8,215.1	76.64	108.195	
16,700.0	8,720.0	8,795.4	8,722.0	195.1	35.0	-90.00	-657.0	850.0	8,390.2	8,313.5	76.71	109.378	
16,800.0	8,720.0	8,795.4	8,722.0	197.5	35.0	-90.00	-657.0	850.0	8,488.7	8,411.9	76.78	110.560	
16,900.0	8,720.0	8,795.4	8,722.0	200.0	35.0	-90.00	-657.0	850.0	8,587.3	8,510.4	76.85	111.739	
17,000.0	8,720.0	8,795.4	8,722.0	202.4	35.0	-90.00	-657.0	850.0	8,685.9	8,609.0	76.92	112.916	
17,100.0	8,720.0	8,795.4	8,722.0	204.8	35.0	-90.00	-657.0	850.0	8,784.5	8,707.5	77.00	114.091	
17,200.0	8,720.0	8,795.4	8,722.0	207.2	35.0	-90.00	-657.0	850.0	8,883.2	8,806.1	77.07	115.265	
17,300.0	8,720.0	8,795.4	8,722.0	209.6	35.0	-90.00	-657.0	850.0	8,981.9	8,904.7	77.14	116.436	
17,400.0	8,720.0	8,795.4	8,722.0	212.1	35.0	-90.00	-657.0	850.0	9,080.6	9,003.4	77.21	117.605	
17,500.0	8,720.0	8,795.4	8,722.0	214.5	35.0	-90.00	-657.0	850.0	9,179.3	9,102.0	77.28	118.773	
17,600.0	8,720.0	8,795.4	8,722.0	216.9	35.0	-90.00	-657.0	850.0	9,278.1	9,200.7	77.36	119.938	
17,700.0	8,720.0	8,795.4	8,722.0	219.3	35.0	-90.00	-657.0	850.0	9,376.9	9,299.5	77.43	121.101	
17,800.0	8,720.0	8,795.4	8,722.0	221.8	35.0	-90.00	-657.0	850.0	9,475.7	9,398.2	77.50	122.261	
17,900.0	8,720.0	8,795.4	8,722.0	224.2	35.0	-90.00	-657.0	850.0	9,574.6	9,497.0	77.58	123.420	
18,000.0	8,720.0	8,795.4	8,722.0	226.6	35.0	-90.00	-657.0	850.0	9,673.5	9,595.8	77.65	124.576	
18,100.0	8,720.0	8,795.4	8,722.0	229.1	35.0	-90.00	-657.0	850.0	9,772.3	9,694.6	77.72	125.730	
18,200.0	8,720.0	8,795.4	8,722.0	231.5	35.0	-90.00	-657.0	850.0	9,871.3	9,793.5	77.80	126.882	
18,300.0	8,720.0	8,795.4	8,722.0	233.9	35.0	-90.00	-657.0	850.0	9,970.2	9,892.3	77.87	128.031	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Ken Wilson - Ken Wilson #122H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	10.0	-10.0	0.0	0.0	10.83	2,212.3	423.3	2,252.4				
100.0	100.0	110.0	90.0	0.1	0.2	10.83	2,212.3	423.3	2,252.4	2,252.2	0.29	7,709.763	
200.0	200.0	210.0	190.0	0.5	0.5	10.83	2,212.3	423.3	2,252.4	2,251.4	1.01	2,232.136	
300.0	300.0	310.0	290.0	0.8	0.9	10.83	2,212.3	423.3	2,252.4	2,250.7	1.73	1,304.977	
400.0	400.0	390.0	390.0	1.2	1.2	160.26	2,212.3	423.3	2,253.3	2,250.9	2.36	956.067	
424.5	424.5	414.5	414.5	1.3	1.3	160.26	2,212.3	423.3	2,253.7	2,251.2	2.53	891.605	
500.0	500.0	490.0	490.0	1.5	1.5	160.27	2,212.3	423.3	2,255.3	2,252.2	3.05	738.224	
600.0	599.9	589.9	589.9	1.9	1.9	160.29	2,212.3	423.3	2,257.3	2,253.5	3.76	600.407	
700.0	699.9	689.9	689.9	2.2	2.2	160.31	2,212.3	423.3	2,259.4	2,254.9	4.47	505.643	
800.0	799.9	789.9	789.9	2.6	2.6	160.33	2,212.3	423.3	2,261.4	2,256.2	5.18	436.624	
900.0	899.9	889.9	889.9	2.9	3.0	160.35	2,212.3	423.3	2,263.4	2,257.6	5.89	384.168	
1,000.0	999.9	989.9	989.9	3.3	3.3	160.37	2,212.3	423.3	2,265.5	2,258.9	6.61	342.978	
1,100.0	1,099.8	1,089.8	1,089.8	3.7	3.7	160.39	2,212.3	423.3	2,267.5	2,260.2	7.32	309.788	
1,200.0	1,199.8	1,189.8	1,189.8	4.0	4.0	160.40	2,212.3	423.3	2,269.6	2,261.6	8.03	282.482	
1,300.0	1,299.8	1,289.8	1,289.8	4.4	4.4	160.42	2,212.3	423.3	2,271.6	2,262.9	8.75	259.626	
1,400.0	1,399.8	1,389.8	1,389.8	4.7	4.8	160.44	2,212.3	423.3	2,273.7	2,264.2	9.47	240.216	
1,475.7	1,475.5	1,465.5	1,465.5	5.0	5.0	160.45	2,212.3	423.3	2,275.2	2,265.2	10.01	227.360	
1,500.0	1,499.7	1,489.7	1,489.7	5.1	5.1	160.46	2,212.3	423.3	2,275.7	2,265.5	10.18	223.525	
1,600.3	1,600.0	1,599.0	1,599.0	5.4	5.5	11.08	2,211.9	424.5	2,276.3	2,265.4	10.91	208.666	
1,700.0	1,699.7	1,708.6	1,708.5	5.8	5.9	-31.15	2,210.4	428.7	2,275.0	2,263.4	11.62	195.859	
1,800.0	1,799.7	1,818.2	1,817.8	6.1	6.2	-31.02	2,207.8	435.8	2,271.7	2,259.4	12.33	184.266	
1,900.0	1,899.6	1,927.3	1,926.5	6.4	6.6	-30.84	2,204.2	445.8	2,266.5	2,253.5	13.05	173.702	
2,000.0	1,999.4	2,035.9	2,034.1	6.8	7.0	-30.62	2,199.6	458.6	2,259.5	2,245.7	13.78	164.021	
2,100.0	2,099.1	2,134.8	2,132.1	7.1	7.4	-30.42	2,194.9	471.6	2,250.8	2,236.3	14.48	155.443	
2,200.0	2,198.6	2,233.9	2,230.2	7.5	7.7	-30.24	2,190.2	484.5	2,240.6	2,225.4	15.19	147.492	
2,300.0	2,298.0	2,332.9	2,328.2	7.8	8.1	-30.09	2,185.5	497.5	2,229.0	2,213.1	15.91	140.104	
2,400.0	2,397.1	2,431.8	2,426.2	8.2	8.5	-29.97	2,180.8	510.4	2,215.9	2,199.3	16.63	133.218	
2,500.0	2,496.0	2,530.5	2,523.9	8.5	8.9	-29.88	2,176.2	523.3	2,201.3	2,184.0	17.36	126.781	
2,600.0	2,594.7	2,629.0	2,621.5	8.9	9.2	-29.81	2,171.5	536.2	2,185.3	2,167.2	18.10	120.746	
2,697.6	2,690.7	2,725.0	2,716.6	9.3	9.6	-29.77	2,167.0	548.8	2,168.2	2,149.4	18.82	115.205	
2,700.0	2,693.0	2,727.4	2,718.9	9.3	9.6	-29.77	2,166.8	549.1	2,167.8	2,148.9	18.84	115.069	
2,800.0	2,791.2	2,825.6	2,816.2	9.7	10.0	-29.65	2,162.2	562.0	2,149.5	2,130.0	19.58	109.768	
2,900.0	2,889.3	2,923.8	2,913.4	10.1	10.4	-29.53	2,157.6	574.8	2,131.3	2,111.0	20.33	104.828	
3,000.0	2,987.5	3,022.1	3,010.7	10.5	10.8	-29.41	2,152.9	587.7	2,113.1	2,092.0	21.09	100.216	
3,100.0	3,085.7	3,120.3	3,108.0	10.9	11.2	-29.29	2,148.3	600.5	2,094.9	2,073.0	21.84	95.905	
3,200.0	3,183.8	3,218.5	3,205.3	11.3	11.6	-29.16	2,143.6	613.4	2,076.7	2,054.1	22.61	91.867	
3,300.0	3,282.0	3,316.7	3,302.5	11.7	12.0	-29.04	2,139.0	626.3	2,058.5	2,035.1	23.37	88.081	
3,400.0	3,380.2	3,415.0	3,399.8	12.1	12.4	-28.91	2,134.3	639.1	2,040.3	2,016.2	24.14	84.524	
3,500.0	3,478.4	3,512.1	3,496.0	12.6	12.8	-28.78	2,129.8	651.8	2,022.2	1,997.3	24.91	81.195	
3,600.0	3,576.5	3,607.0	3,590.2	13.0	13.2	-28.69	2,125.7	663.0	2,004.2	1,978.5	25.66	78.101	
3,700.0	3,674.7	3,702.1	3,684.7	13.4	13.5	-28.64	2,122.2	672.7	1,986.3	1,959.9	26.41	75.206	
3,800.0	3,772.9	3,797.3	3,779.4	13.8	13.9	-28.63	2,119.2	681.0	1,968.6	1,941.5	27.16	72.492	
3,900.0	3,871.1	3,892.5	3,874.3	14.3	14.2	-28.68	2,116.7	687.9	1,951.1	1,923.2	27.89	69.945	
4,000.0	3,969.2	3,987.6	3,969.3	14.7	14.6	-28.77	2,114.8	693.2	1,933.7	1,905.1	28.63	67.550	
4,100.0	4,067.4	4,082.7	4,064.3	15.1	14.9	-28.91	2,113.4	697.0	1,916.6	1,887.2	29.35	65.294	
4,200.0	4,165.6	4,177.7	4,159.3	15.6	15.3	-29.10	2,112.5	699.4	1,899.6	1,869.5	30.07	63.166	
4,300.0	4,263.7	4,272.5	4,254.1	16.0	15.6	-29.35	2,112.2	700.3	1,882.8	1,852.0	30.79	61.158	
4,400.0	4,361.9	4,370.3	4,351.9	16.5	15.9	-29.63	2,112.2	700.3	1,866.1	1,834.6	31.50	59.239	
4,500.0	4,460.1	4,468.5	4,450.1	16.9	16.2	-29.92	2,112.2	700.3	1,849.5	1,817.3	32.22	57.401	
4,600.0	4,558.3	4,566.7	4,548.3	17.4	16.6	-30.22	2,112.2	700.3	1,833.0	1,800.0	32.94	55.641	
4,700.0	4,656.4	4,664.8	4,646.4	17.8	16.9	-30.52	2,112.2	700.3	1,816.5	1,782.8	33.67	53.953	
4,800.0	4,754.6	4,763.0	4,744.6	18.2	17.2	-30.82	2,112.2	700.3	1,800.0	1,765.6	34.39	52.335	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Ken Wilson - Ken Wilson #122H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,852.8	4,861.2	4,842.8	18.7	17.6	-31.13	2,112.2	700.3	1,783.6	1,748.5	35.12	50.782	
5,000.0	4,950.9	4,959.4	4,940.9	19.1	17.9	-31.45	2,112.2	700.3	1,767.3	1,731.4	35.85	49.290	
5,100.0	5,049.1	5,057.5	5,039.1	19.6	18.2	-31.77	2,112.2	700.3	1,751.0	1,714.4	36.59	47.856	
5,200.0	5,147.3	5,155.7	5,137.3	20.0	18.6	-32.10	2,112.2	700.3	1,734.7	1,697.4	37.32	46.477	
5,300.0	5,245.5	5,253.9	5,235.5	20.5	18.9	-32.44	2,112.2	700.3	1,718.6	1,680.5	38.06	45.151	
5,400.0	5,343.6	5,352.0	5,333.6	20.9	19.2	-32.78	2,112.2	700.3	1,702.4	1,663.6	38.80	43.874	
5,500.0	5,441.8	5,450.2	5,431.8	21.4	19.6	-33.13	2,112.2	700.3	1,686.4	1,646.8	39.55	42.644	
5,600.0	5,540.0	5,548.4	5,530.0	21.8	19.9	-33.48	2,112.2	700.3	1,670.4	1,630.1	40.29	41.459	
5,700.0	5,638.1	5,646.6	5,628.1	22.3	20.2	-33.85	2,112.2	700.3	1,654.5	1,613.4	41.04	40.316	
5,800.0	5,736.3	5,744.7	5,726.3	22.8	20.6	-34.21	2,112.2	700.3	1,638.6	1,596.8	41.79	39.214	
5,900.0	5,834.5	5,842.9	5,824.5	23.2	20.9	-34.59	2,112.2	700.3	1,622.8	1,580.3	42.54	38.150	
6,000.0	5,932.7	5,941.1	5,922.7	23.7	21.2	-34.97	2,112.2	700.3	1,607.1	1,563.8	43.29	37.123	
6,100.0	6,030.8	6,039.2	6,020.8	24.1	21.6	-35.36	2,112.2	700.3	1,591.4	1,547.4	44.05	36.131	
6,200.0	6,129.0	6,137.4	6,119.0	24.6	21.9	-35.76	2,112.2	700.3	1,575.8	1,531.0	44.80	35.172	
6,300.0	6,227.2	6,235.6	6,217.2	25.0	22.3	-36.17	2,112.2	700.3	1,560.3	1,514.8	45.56	34.245	
6,400.0	6,325.3	6,333.8	6,315.3	25.5	22.6	-36.58	2,112.2	700.3	1,544.9	1,498.6	46.33	33.349	
6,500.0	6,423.5	6,431.9	6,413.5	25.9	22.9	-37.00	2,112.2	700.3	1,529.6	1,482.5	47.09	32.482	
6,600.0	6,521.7	6,530.1	6,511.7	26.4	23.3	-37.43	2,112.2	700.3	1,514.3	1,466.4	47.86	31.643	
6,700.0	6,619.9	6,628.3	6,609.9	26.9	23.6	-37.87	2,112.2	700.3	1,499.1	1,450.5	48.62	30.830	
6,800.0	6,718.0	6,726.4	6,708.0	27.3	24.0	-38.32	2,112.2	700.3	1,484.0	1,434.6	49.40	30.044	
6,900.0	6,816.2	6,824.6	6,806.2	27.8	24.3	-38.78	2,112.2	700.3	1,469.0	1,418.9	50.17	29.282	
7,000.0	6,914.4	6,922.8	6,904.4	28.2	24.6	-39.25	2,112.2	700.3	1,454.1	1,403.2	50.95	28.543	
7,100.0	7,012.5	7,021.0	7,002.5	28.7	25.0	-39.72	2,112.2	700.3	1,439.3	1,387.6	51.72	27.828	
7,200.0	7,110.7	7,119.1	7,100.7	29.1	25.3	-40.21	2,112.2	700.3	1,424.6	1,372.1	52.50	27.134	
7,300.0	7,208.9	7,217.3	7,198.9	29.6	25.7	-40.70	2,112.2	700.3	1,410.1	1,356.8	53.29	26.461	
7,400.0	7,307.1	7,315.5	7,297.1	30.1	26.0	-41.21	2,112.2	700.3	1,395.6	1,341.5	54.07	25.808	
7,500.0	7,405.2	7,413.6	7,395.2	30.5	26.4	-41.72	2,112.2	700.3	1,381.2	1,326.3	54.86	25.176	
7,514.9	7,419.9	7,428.3	7,409.9	30.6	26.4	-41.80	2,112.2	700.3	1,379.0	1,324.1	54.98	25.083	
7,600.0	7,503.6	7,512.0	7,493.6	31.0	26.7	-42.11	2,112.2	700.3	1,367.6	1,312.0	55.65	24.576	
7,700.0	7,602.4	7,610.8	7,592.4	31.4	27.1	-42.43	2,112.2	700.3	1,356.0	1,299.6	56.42	24.035	
7,800.0	7,701.5	7,707.7	7,689.3	31.8	27.4	-42.70	2,112.2	700.2	1,346.5	1,289.3	57.17	23.551	
7,900.0	7,801.0	7,789.0	7,770.1	32.2	27.6	-43.19	2,112.8	692.8	1,339.7	1,281.8	57.87	23.151	
8,000.0	7,900.7	7,865.8	7,845.0	32.6	27.9	-44.07	2,114.3	675.5	1,336.5	1,278.0	58.53	22.835	
8,028.8	7,929.4	7,886.9	7,865.0	32.7	27.9	-44.38	2,114.8	669.0	1,336.3	1,277.6	58.71	22.762 CC	
8,100.0	8,000.5	7,936.6	7,911.2	32.9	28.1	-45.23	2,116.3	650.8	1,337.5	1,278.3	59.13	22.617	
8,200.0	8,100.5	8,000.0	7,967.6	33.2	28.2	-46.56	2,118.6	622.0	1,343.2	1,283.5	59.64	22.520	
8,246.5	8,147.0	8,027.9	7,991.3	33.4	28.3	-4.91	2,119.8	607.4	1,347.6	1,287.8	59.84	22.519	
8,250.0	8,150.5	8,029.9	7,992.9	33.4	28.3	84.57	2,119.9	606.3	1,348.0	1,288.1	59.85	22.521	
8,300.0	8,200.4	8,058.3	8,016.3	33.5	28.4	83.36	2,121.2	590.1	1,353.7	1,293.7	60.01	22.557	
8,350.0	8,249.9	8,086.5	8,038.7	33.6	28.4	82.17	2,122.6	572.9	1,359.8	1,299.7	60.12	22.619	
8,400.0	8,298.7	8,114.6	8,060.0	33.7	28.5	81.00	2,124.1	554.8	1,366.2	1,306.0	60.18	22.703	
8,450.0	8,346.2	8,142.5	8,080.4	33.8	28.6	79.85	2,125.7	535.8	1,372.8	1,312.7	60.20	22.806	
8,500.0	8,392.3	8,170.3	8,099.7	33.9	28.7	78.74	2,127.3	515.9	1,379.6	1,319.4	60.18	22.923	
8,550.0	8,436.5	8,200.0	8,119.2	33.9	28.8	77.66	2,129.1	493.6	1,386.3	1,326.2	60.16	23.043	
8,600.0	8,478.5	8,225.5	8,135.0	34.0	28.9	76.69	2,130.8	473.6	1,393.0	1,332.9	60.09	23.180	
8,650.0	8,518.0	8,250.0	8,149.4	34.0	28.9	75.79	2,132.4	453.8	1,399.5	1,339.5	60.00	23.323	
8,700.0	8,554.6	8,280.4	8,166.0	34.0	29.1	74.91	2,134.5	428.4	1,405.7	1,345.7	59.99	23.433	
8,750.0	8,588.1	8,300.0	8,176.0	34.0	29.1	74.18	2,135.9	411.7	1,411.6	1,351.8	59.88	23.576	
8,800.0	8,618.3	8,335.1	8,192.4	33.9	29.3	73.44	2,138.4	380.8	1,417.1	1,357.2	59.96	23.633	
8,850.0	8,644.9	8,362.4	8,203.8	33.9	29.4	72.84	2,140.4	356.1	1,422.2	1,362.2	60.01	23.698	
8,900.0	8,667.7	8,389.6	8,214.0	33.9	29.6	72.33	2,142.5	330.9	1,426.8	1,366.7	60.12	23.734	
8,950.0	8,686.6	8,416.8	8,223.0	33.9	29.7	71.92	2,144.6	305.3	1,430.9	1,370.6	60.28	23.735	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Ken Wilson - Ken Wilson #122H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.0	8,701.3	8,450.0	8,232.3	33.9	29.9	71.60	2,147.2	273.6	1,434.4	1,373.8	60.57	23.680	
9,050.0	8,711.8	8,471.2	8,237.3	33.9	30.1	71.38	2,148.8	253.0	1,437.3	1,376.5	60.83	23.628	
9,100.0	8,718.1	8,500.0	8,242.9	33.9	30.2	71.26	2,151.1	224.9	1,439.6	1,378.4	61.22	23.513	
9,146.5	8,720.0	8,523.8	8,246.4	33.9	30.4	71.23	2,153.1	201.4	1,441.2	1,379.6	61.64	23.383	
9,200.0	8,720.0	8,550.0	8,249.1	34.1	30.6	71.35	2,155.2	175.4	1,443.2	1,381.1	62.15	23.221	
9,300.0	8,720.0	8,613.2	8,250.8	34.5	31.1	71.48	2,160.3	112.5	1,449.4	1,386.0	63.37	22.873	
9,400.0	8,720.0	8,805.5	8,247.4	35.2	33.0	71.44	2,169.1	-79.5	1,453.5	1,387.5	66.00	22.024	
9,500.0	8,720.0	8,908.3	8,245.6	36.2	34.2	71.38	2,170.2	-182.3	1,454.3	1,386.2	68.13	21.345	
9,600.0	8,720.0	9,008.3	8,243.9	37.3	35.6	71.32	2,171.2	-282.3	1,455.1	1,384.6	70.47	20.649	
9,700.0	8,720.0	9,108.3	8,242.1	38.6	37.0	71.26	2,172.2	-382.2	1,455.9	1,382.9	73.04	19.933	
9,800.0	8,720.0	9,208.3	8,240.4	39.9	38.5	71.19	2,173.2	-482.2	1,456.7	1,380.9	75.80	19.219	
9,900.0	8,720.0	9,308.2	8,238.6	41.4	40.2	71.13	2,174.2	-582.2	1,457.5	1,378.7	78.74	18.510	
10,000.0	8,720.0	9,408.2	8,236.9	43.0	41.9	71.07	2,175.2	-682.1	1,458.3	1,376.4	81.84	17.820	
10,100.0	8,720.0	9,508.2	8,235.1	44.6	43.7	71.01	2,176.3	-782.1	1,459.1	1,374.0	85.07	17.152	
10,200.0	8,720.0	9,608.2	8,233.4	46.3	45.5	70.95	2,177.3	-882.0	1,459.9	1,371.5	88.43	16.510	
10,300.0	8,720.0	9,708.2	8,231.7	48.1	47.4	70.89	2,178.3	-982.0	1,460.7	1,368.8	91.89	15.895	
10,400.0	8,720.0	9,808.2	8,229.9	50.0	49.4	70.82	2,179.3	-1,082.0	1,461.5	1,366.0	95.45	15.311	
10,500.0	8,720.0	9,908.1	8,228.2	51.8	51.4	70.76	2,180.3	-1,181.9	1,462.3	1,363.2	99.11	14.755	
10,600.0	8,720.0	10,008.1	8,226.4	53.8	53.4	70.70	2,181.3	-1,281.9	1,463.1	1,360.3	102.83	14.228	
10,700.0	8,720.0	10,108.1	8,224.7	55.8	55.5	70.64	2,182.3	-1,381.9	1,463.9	1,357.3	106.63	13.729	
10,800.0	8,720.0	10,208.1	8,223.0	57.8	57.6	70.58	2,183.4	-1,481.8	1,464.7	1,354.2	110.48	13.258	
10,900.0	8,720.0	10,308.1	8,221.2	59.8	59.7	70.52	2,184.4	-1,581.8	1,465.5	1,351.1	114.39	12.811	
11,000.0	8,720.0	10,408.1	8,219.5	61.9	61.8	70.46	2,185.4	-1,681.8	1,466.4	1,348.0	118.35	12.390	
11,100.0	8,720.0	10,508.0	8,217.7	64.0	64.0	70.40	2,186.4	-1,781.7	1,467.2	1,344.8	122.35	11.991	
11,200.0	8,720.0	10,608.0	8,216.0	66.1	66.2	70.34	2,187.4	-1,881.7	1,468.0	1,341.6	126.40	11.614	
11,300.0	8,720.0	10,708.0	8,214.2	68.2	68.4	70.27	2,188.4	-1,981.7	1,468.8	1,338.3	130.47	11.258	
11,400.0	8,720.0	10,808.0	8,212.5	70.4	70.6	70.21	2,189.4	-2,081.6	1,469.6	1,335.0	134.58	10.920	
11,500.0	8,720.0	10,908.0	8,210.8	72.6	72.8	70.15	2,190.5	-2,181.6	1,470.5	1,331.7	138.72	10.600	
11,600.0	8,720.0	11,008.0	8,209.0	74.8	75.1	70.09	2,191.5	-2,281.5	1,471.3	1,328.4	142.88	10.297	
11,700.0	8,720.0	11,108.0	8,207.3	77.0	77.3	70.03	2,192.5	-2,381.5	1,472.1	1,325.0	147.06	10.010	
11,800.0	8,720.0	11,207.9	8,205.5	79.2	79.6	69.97	2,193.5	-2,481.5	1,472.9	1,321.7	151.27	9.737	
11,900.0	8,720.0	11,307.9	8,203.8	81.5	81.9	69.91	2,194.5	-2,581.4	1,473.8	1,318.3	155.50	9.478	
12,000.0	8,720.0	11,407.9	8,202.0	83.7	84.2	69.85	2,195.5	-2,681.4	1,474.6	1,314.9	159.74	9.231	
12,100.0	8,720.0	11,507.9	8,200.3	86.0	86.5	69.79	2,196.5	-2,781.4	1,475.4	1,311.4	164.00	8.997	
12,200.0	8,720.0	11,607.9	8,198.6	88.3	88.8	69.73	2,197.6	-2,881.3	1,476.3	1,308.0	168.27	8.773	
12,300.0	8,720.0	11,707.9	8,196.8	90.5	91.1	69.67	2,198.6	-2,981.3	1,477.1	1,304.5	172.55	8.560	
12,400.0	8,720.0	11,807.8	8,195.1	92.8	93.4	69.61	2,199.6	-3,081.3	1,477.9	1,301.1	176.85	8.357	
12,500.0	8,720.0	11,907.8	8,193.3	95.1	95.7	69.55	2,200.6	-3,181.2	1,478.8	1,297.6	181.16	8.163	
12,600.0	8,720.0	12,007.8	8,191.6	97.4	98.0	69.49	2,201.6	-3,281.2	1,479.6	1,294.1	185.47	7.978	
12,700.0	8,720.0	12,107.8	8,189.8	99.8	100.4	69.43	2,202.6	-3,381.2	1,480.5	1,290.7	189.80	7.800	
12,800.0	8,720.0	12,207.8	8,188.1	102.1	102.7	69.37	2,203.6	-3,481.1	1,481.3	1,287.2	194.13	7.630	
12,900.0	8,720.0	12,307.8	8,186.4	104.4	105.1	69.31	2,204.7	-3,581.1	1,482.1	1,283.7	198.47	7.468	
13,000.0	8,720.0	12,407.8	8,184.6	106.7	107.4	69.25	2,205.7	-3,681.0	1,483.0	1,280.2	202.82	7.312	
13,100.0	8,720.0	12,507.7	8,182.9	109.1	109.8	69.19	2,206.7	-3,781.0	1,483.8	1,276.7	207.17	7.162	
13,200.0	8,720.0	12,607.7	8,181.1	111.4	112.1	69.13	2,207.7	-3,881.0	1,484.7	1,273.2	211.53	7.019	
13,300.0	8,720.0	12,707.7	8,179.4	113.8	114.5	69.07	2,208.7	-3,980.9	1,485.5	1,269.7	215.89	6.881	
13,400.0	8,720.0	12,807.7	8,177.6	116.1	116.9	69.01	2,209.7	-4,080.9	1,486.4	1,266.1	220.26	6.749	
13,500.0	8,720.0	12,907.7	8,175.9	118.5	119.2	68.95	2,210.7	-4,180.9	1,487.3	1,262.6	224.63	6.621	
13,600.0	8,720.0	13,007.7	8,174.2	120.8	121.6	68.90	2,211.8	-4,280.8	1,488.1	1,259.1	229.00	6.498	
13,700.0	8,720.0	13,107.6	8,172.4	123.2	124.0	68.84	2,212.8	-4,380.8	1,489.0	1,255.6	233.38	6.380	
13,800.0	8,720.0	13,207.6	8,170.7	125.6	126.4	68.78	2,213.8	-4,480.8	1,489.8	1,252.1	237.75	6.266	
13,900.0	8,720.0	13,307.6	8,168.9	127.9	128.7	68.72	2,214.8	-4,580.7	1,490.7	1,248.6	242.14	6.156	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Ken Wilson - Ken Wilson #122H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.0	8,720.0	13,407.6	8,167.2	130.3	131.1	68.66	2,215.8	-4,680.7	1,491.6	1,245.0	246.52	6.050	
14,100.0	8,720.0	13,507.6	8,165.4	132.7	133.5	68.60	2,216.8	-4,780.7	1,492.4	1,241.5	250.90	5.948	
14,200.0	8,720.0	13,607.6	8,163.7	135.1	135.9	68.54	2,217.8	-4,880.6	1,493.3	1,238.0	255.29	5.849	
14,300.0	8,720.0	13,707.6	8,162.0	137.4	138.3	68.48	2,218.9	-4,980.6	1,494.2	1,234.5	259.68	5.754	
14,400.0	8,720.0	13,807.5	8,160.2	139.8	140.7	68.42	2,219.9	-5,080.5	1,495.0	1,231.0	264.06	5.662	
14,500.0	8,720.0	13,907.5	8,158.5	142.2	143.1	68.37	2,220.9	-5,180.5	1,495.9	1,227.4	268.45	5.572	
14,600.0	8,720.0	14,007.5	8,156.7	144.6	145.5	68.31	2,221.9	-5,280.5	1,496.8	1,223.9	272.84	5.486	
14,700.0	8,720.0	14,107.5	8,155.0	147.0	147.8	68.25	2,222.9	-5,380.4	1,497.6	1,220.4	277.23	5.402	
14,800.0	8,720.0	14,207.5	8,153.2	149.4	150.2	68.19	2,223.9	-5,480.4	1,498.5	1,216.9	281.62	5.321	
14,900.0	8,720.0	14,307.5	8,151.5	151.8	152.6	68.13	2,224.9	-5,580.4	1,499.4	1,213.4	286.01	5.242	
15,000.0	8,720.0	14,407.4	8,149.8	154.2	155.0	68.07	2,226.0	-5,680.3	1,500.3	1,209.9	290.40	5.166	
15,100.0	8,720.0	14,507.4	8,148.0	156.6	157.4	68.02	2,227.0	-5,780.3	1,501.2	1,206.4	294.79	5.092	
15,200.0	8,720.0	14,607.4	8,146.3	159.0	159.8	67.96	2,228.0	-5,880.3	1,502.0	1,202.9	299.18	5.021	
15,300.0	8,720.0	14,707.4	8,144.5	161.4	162.3	67.90	2,229.0	-5,980.2	1,502.9	1,199.4	303.57	4.951	
15,400.0	8,720.0	14,807.4	8,142.8	163.8	164.7	67.84	2,230.0	-6,080.2	1,503.8	1,195.8	307.95	4.883	
15,500.0	8,720.0	14,907.4	8,141.0	166.2	167.1	67.78	2,231.0	-6,180.2	1,504.7	1,192.4	312.34	4.817	
15,600.0	8,720.0	15,007.4	8,139.3	168.6	169.5	67.73	2,232.0	-6,280.1	1,505.6	1,188.9	316.72	4.754	
15,700.0	8,720.0	15,107.3	8,137.6	171.0	171.9	67.67	2,233.1	-6,380.1	1,506.5	1,185.4	321.11	4.691	
15,800.0	8,720.0	15,207.3	8,135.8	173.4	174.3	67.61	2,234.1	-6,480.0	1,507.4	1,181.9	325.49	4.631	
15,900.0	8,720.0	15,307.3	8,134.1	175.8	176.7	67.55	2,235.1	-6,580.0	1,508.3	1,178.4	329.87	4.572	
16,000.0	8,720.0	15,407.3	8,132.3	178.2	179.1	67.49	2,236.1	-6,680.0	1,509.1	1,174.9	334.25	4.515	
16,100.0	8,720.0	15,507.3	8,130.6	180.6	181.5	67.44	2,237.1	-6,779.9	1,510.0	1,171.4	338.63	4.459	
16,200.0	8,720.0	15,607.3	8,128.8	183.0	183.9	67.38	2,238.1	-6,879.9	1,510.9	1,167.9	343.01	4.405	
16,300.0	8,720.0	15,707.2	8,127.1	185.5	186.4	67.32	2,239.1	-6,979.9	1,511.8	1,164.5	347.38	4.352	
16,400.0	8,720.0	15,807.2	8,125.4	187.9	188.8	67.27	2,240.1	-7,079.8	1,512.7	1,161.0	351.76	4.301	
16,500.0	8,720.0	15,907.2	8,123.6	190.3	191.2	67.21	2,241.2	-7,179.8	1,513.6	1,157.5	356.13	4.250	
16,600.0	8,720.0	16,007.2	8,121.9	192.7	193.6	67.15	2,242.2	-7,279.8	1,514.5	1,154.0	360.50	4.201	
16,700.0	8,720.0	16,107.2	8,120.1	195.1	196.0	67.09	2,243.2	-7,379.7	1,515.4	1,150.6	364.86	4.153	
16,800.0	8,720.0	16,207.2	8,118.4	197.5	198.4	67.04	2,244.2	-7,479.7	1,516.4	1,147.1	369.23	4.107	
16,900.0	8,720.0	16,307.2	8,116.6	200.0	200.9	66.98	2,245.2	-7,579.6	1,517.3	1,143.7	373.59	4.061	
17,000.0	8,720.0	16,407.1	8,114.9	202.4	203.3	66.92	2,246.2	-7,679.6	1,518.2	1,140.2	377.95	4.017	
17,100.0	8,720.0	16,507.1	8,113.2	204.8	205.7	66.87	2,247.2	-7,779.6	1,519.1	1,136.8	382.31	3.973	
17,200.0	8,720.0	16,607.1	8,111.4	207.2	208.1	66.81	2,248.3	-7,879.5	1,520.0	1,133.3	386.67	3.931	
17,300.0	8,720.0	16,707.1	8,109.7	209.6	210.5	66.75	2,249.3	-7,979.5	1,520.9	1,129.9	391.03	3.890	
17,400.0	8,720.0	16,807.1	8,107.9	212.1	213.0	66.70	2,250.3	-8,079.5	1,521.8	1,126.4	395.38	3.849	
17,500.0	8,720.0	16,907.1	8,106.2	214.5	215.4	66.64	2,251.3	-8,179.4	1,522.7	1,123.0	399.73	3.809	
17,600.0	8,720.0	17,007.0	8,104.4	216.9	217.8	66.58	2,252.3	-8,279.4	1,523.7	1,119.6	404.08	3.771	
17,700.0	8,720.0	17,107.0	8,102.7	219.3	220.2	66.53	2,253.3	-8,379.4	1,524.6	1,116.2	408.42	3.733	
17,800.0	8,720.0	17,207.0	8,101.0	221.8	222.6	66.47	2,254.3	-8,479.3	1,525.5	1,112.7	412.76	3.696	
17,900.0	8,720.0	17,307.0	8,099.2	224.2	225.1	66.41	2,255.4	-8,579.3	1,526.4	1,109.3	417.10	3.660	
18,000.0	8,720.0	17,407.0	8,097.5	226.6	227.5	66.36	2,256.4	-8,679.3	1,527.3	1,105.9	421.44	3.624	
18,100.0	8,720.0	17,507.0	8,095.7	229.1	229.9	66.30	2,257.4	-8,779.2	1,528.3	1,102.5	425.78	3.589	
18,200.0	8,720.0	17,606.9	8,094.0	231.5	232.3	66.25	2,258.4	-8,879.2	1,529.2	1,099.1	430.11	3.555	
18,300.0	8,720.0	17,706.9	8,092.3	233.9	234.8	66.19	2,259.4	-8,979.1	1,530.1	1,095.7	434.44	3.522	
18,400.0	8,720.0	17,806.9	8,090.5	236.3	237.2	66.13	2,260.4	-9,079.1	1,531.1	1,092.3	438.77	3.489	
18,500.0	8,720.0	17,906.9	8,088.8	238.8	239.6	66.08	2,261.4	-9,179.1	1,532.0	1,088.9	443.09	3.458	
18,600.0	8,720.0	18,006.9	8,087.0	241.2	242.1	66.02	2,262.5	-9,279.0	1,532.9	1,085.5	447.41	3.426	
18,700.0	8,720.0	18,106.9	8,085.3	243.6	244.5	65.97	2,263.5	-9,379.0	1,533.9	1,082.1	451.73	3.396	
18,800.0	8,720.0	18,206.9	8,083.5	246.1	246.9	65.91	2,264.5	-9,479.0	1,534.8	1,078.7	456.05	3.365	
18,900.0	8,720.0	18,306.8	8,081.8	248.5	249.3	65.85	2,265.5	-9,578.9	1,535.7	1,075.4	460.36	3.336	
19,000.0	8,720.0	18,406.8	8,080.1	250.9	251.8	65.80	2,266.5	-9,678.9	1,536.7	1,072.0	464.67	3.307	
19,100.0	8,720.0	18,506.8	8,078.3	253.4	254.2	65.74	2,267.5	-9,778.9	1,537.6	1,068.6	468.98	3.279	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Ken Wilson - Ken Wilson #122H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,176.7	8,720.0	18,583.5	8,077.0	255.2	256.1	65.70	2,268.3	-9,855.6	1,538.3	1,066.1	472.28	3.257	ES, SF

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Ken Wilson - Ken Wilson #132H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	0.0	0.0	6.75	3,610.3	427.0	3,635.5				
100.0	100.0	101.0	101.0	0.1	0.1	6.75	3,610.3	427.0	3,635.5	3,635.2	0.26	N/A	
200.0	200.0	201.0	201.0	0.5	0.5	6.75	3,610.3	427.0	3,635.5	3,634.5	0.98	3,721.676	
300.0	300.0	301.0	301.0	0.8	0.8	6.75	3,610.3	427.0	3,635.5	3,633.8	1.69	2,146.364	
400.0	400.0	401.0	401.0	1.2	1.2	156.17	3,610.3	427.0	3,636.3	3,633.9	2.40	1,517.493	
424.5	424.5	425.5	425.5	1.3	1.3	156.17	3,610.3	427.0	3,636.7	3,634.1	2.57	1,416.659	
500.0	500.0	501.0	501.0	1.5	1.6	156.18	3,610.3	427.0	3,638.2	3,635.1	3.09	1,175.735	
600.0	599.9	600.9	600.9	1.9	1.9	156.19	3,610.3	427.0	3,640.2	3,636.4	3.80	958.165	
700.0	699.9	700.9	700.9	2.2	2.3	156.21	3,610.3	427.0	3,642.2	3,637.7	4.51	807.964	
800.0	799.9	800.9	800.9	2.6	2.6	156.22	3,610.3	427.0	3,644.2	3,639.0	5.22	698.258	
900.0	899.9	900.9	900.9	2.9	3.0	156.24	3,610.3	427.0	3,646.2	3,640.2	5.93	614.706	
1,000.0	999.9	1,000.9	1,000.9	3.3	3.4	156.25	3,610.3	427.0	3,648.1	3,641.5	6.65	548.991	
1,100.0	1,099.8	1,902.0	1,891.2	3.7	6.6	156.91	3,501.9	447.5	3,632.2	3,622.2	10.01	362.871	
1,200.0	1,199.8	2,000.3	1,986.3	4.0	7.1	157.03	3,480.0	451.6	3,612.4	3,601.7	10.71	337.306	
1,300.0	1,299.8	2,102.6	2,081.4	4.4	7.5	157.16	3,458.1	455.7	3,592.6	3,581.2	11.43	314.300	
1,400.0	1,399.8	2,204.9	2,176.6	4.7	8.0	157.29	3,436.2	459.9	3,572.8	3,560.7	12.16	293.888	
1,475.7	1,475.5	2,269.1	2,248.6	5.0	8.3	157.39	3,419.6	463.0	3,557.9	3,545.2	12.66	281.016	
1,500.0	1,499.7	2,292.8	2,271.7	5.1	8.4	157.40	3,414.3	464.0	3,553.0	3,540.2	12.83	276.833	
1,600.3	1,600.0	2,409.4	2,366.9	5.4	8.9	8.02	3,392.3	468.1	3,532.1	3,518.5	13.62	259.414	
1,700.0	1,699.7	2,487.5	2,461.3	5.8	9.3	-34.32	3,370.6	472.2	3,509.8	3,495.5	14.24	246.455	
1,800.0	1,799.7	2,584.5	2,555.7	6.1	9.7	-34.37	3,348.8	476.3	3,486.0	3,471.1	14.94	233.324	
1,900.0	1,899.6	2,681.2	2,649.8	6.4	10.2	-34.43	3,327.1	480.4	3,460.8	3,445.2	15.64	221.257	
2,000.0	1,999.4	2,777.5	2,743.6	6.8	10.7	-34.52	3,305.5	484.5	3,434.3	3,418.0	16.34	210.127	
2,100.0	2,099.1	2,873.5	2,837.0	7.1	11.1	-34.64	3,284.0	488.6	3,406.4	3,389.3	17.05	199.824	
2,200.0	2,198.6	2,969.1	2,930.1	7.5	11.6	-34.78	3,262.5	492.6	3,377.1	3,359.3	17.75	190.254	
2,300.0	2,298.0	3,064.3	3,022.8	7.8	12.1	-34.95	3,241.2	496.6	3,346.4	3,328.0	18.45	181.335	
2,400.0	2,397.1	3,159.0	3,115.0	8.2	12.5	-35.15	3,219.9	500.6	3,314.4	3,295.2	19.16	172.996	
2,500.0	2,496.0	3,253.3	3,206.8	8.5	13.0	-35.38	3,198.8	504.6	3,281.0	3,261.2	19.86	165.177	
2,600.0	2,594.7	3,347.0	3,298.0	8.9	13.5	-35.63	3,177.8	508.6	3,246.3	3,225.8	20.57	157.823	
2,697.6	2,690.7	3,438.0	3,386.7	9.3	13.9	-35.91	3,157.3	512.4	3,211.2	3,189.9	21.26	151.050	
2,700.0	2,693.0	3,440.2	3,388.8	9.3	13.9	-35.91	3,156.8	512.5	3,210.3	3,189.0	21.28	150.881	
2,800.0	2,791.2	3,533.2	3,479.3	9.7	14.4	-35.99	3,136.0	516.5	3,173.6	3,151.7	21.98	144.366	
2,900.0	2,889.3	3,626.2	3,569.8	10.1	14.8	-36.06	3,115.1	520.4	3,137.0	3,114.3	22.69	138.231	
3,000.0	2,987.5	3,719.1	3,660.3	10.5	15.3	-36.14	3,094.3	524.3	3,100.3	3,076.9	23.41	132.448	
3,100.0	3,085.7	3,812.1	3,750.8	10.9	15.8	-36.21	3,073.4	528.3	3,063.7	3,039.6	24.13	126.989	
3,200.0	3,183.8	3,905.1	3,841.4	11.3	16.2	-36.29	3,052.6	532.2	3,027.1	3,002.2	24.85	121.831	
3,300.0	3,282.0	4,002.0	3,931.9	11.7	16.7	-36.37	3,031.7	536.1	2,990.4	2,964.8	25.59	116.879	
3,400.0	3,380.2	4,109.0	4,022.4	12.1	17.3	-36.46	3,010.8	540.1	2,953.8	2,927.4	26.37	112.022	
3,500.0	3,478.4	4,183.9	4,112.9	12.6	17.6	-36.54	2,990.0	544.0	2,917.2	2,890.2	27.02	107.945	
3,600.0	3,576.5	4,276.9	4,203.4	13.0	18.1	-36.63	2,969.1	547.9	2,880.6	2,852.8	27.76	103.785	
3,700.0	3,674.7	4,369.9	4,293.9	13.4	18.6	-36.72	2,948.3	551.8	2,844.0	2,815.5	28.49	99.830	
3,800.0	3,772.9	4,462.8	4,384.4	13.8	19.1	-36.81	2,927.4	555.8	2,807.4	2,778.1	29.22	96.069	
3,900.0	3,871.1	4,555.8	4,474.9	14.3	19.5	-36.91	2,906.6	559.7	2,770.8	2,740.8	29.96	92.487	
4,000.0	3,969.2	4,648.8	4,565.4	14.7	20.0	-37.01	2,885.7	563.6	2,734.2	2,703.5	30.70	89.072	
4,100.0	4,067.4	4,741.7	4,655.9	15.1	20.5	-37.11	2,864.9	567.6	2,697.6	2,666.2	31.44	85.814	
4,200.0	4,165.6	4,834.7	4,746.4	15.6	20.9	-37.21	2,844.0	571.5	2,661.0	2,628.8	32.18	82.702	
4,300.0	4,263.7	4,927.7	4,837.0	16.0	21.4	-37.31	2,823.1	575.4	2,624.5	2,591.5	32.92	79.727	
4,400.0	4,361.9	5,020.6	4,927.5	16.5	21.9	-37.42	2,802.3	579.4	2,587.9	2,554.2	33.66	76.881	
4,500.0	4,460.1	5,113.6	5,018.0	16.9	22.4	-37.53	2,781.4	583.3	2,551.3	2,516.9	34.41	74.156	
4,600.0	4,558.3	5,206.5	5,108.5	17.4	22.8	-37.65	2,760.6	587.2	2,514.8	2,479.7	35.15	71.545	
4,700.0	4,656.4	5,300.5	5,199.0	17.8	23.3	-37.77	2,739.7	591.2	2,478.3	2,442.4	35.90	69.032	
4,800.0	4,754.6	5,407.5	5,289.5	18.2	23.8	-37.89	2,718.9	595.1	2,441.7	2,405.0	36.70	66.526	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Ken Wilson - Ken Wilson #132H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,852.8	5,485.4	5,380.0	18.7	24.2	-38.01	2,698.0	599.0	2,405.2	2,367.8	37.39	64.326	
5,000.0	4,950.9	5,578.4	5,470.5	19.1	24.7	-38.14	2,677.1	603.0	2,368.7	2,330.6	38.14	62.105	
5,100.0	5,049.1	5,671.4	5,561.0	19.6	25.2	-38.28	2,656.3	606.9	2,332.2	2,293.3	38.89	59.970	
5,200.0	5,147.3	5,764.3	5,651.5	20.0	25.7	-38.41	2,635.4	610.8	2,295.8	2,256.1	39.64	57.914	
5,300.0	5,245.5	5,857.3	5,742.0	20.5	26.1	-38.56	2,614.6	614.8	2,259.3	2,218.9	40.39	55.934	
5,400.0	5,343.6	5,950.3	5,832.6	20.9	26.6	-38.70	2,593.7	618.7	2,222.8	2,181.7	41.14	54.025	
5,500.0	5,441.8	6,043.2	5,923.1	21.4	27.1	-38.86	2,572.9	622.6	2,186.4	2,144.5	41.90	52.185	
5,600.0	5,540.0	6,136.2	6,013.6	21.8	27.6	-39.01	2,552.0	626.6	2,150.0	2,107.3	42.65	50.409	
5,700.0	5,638.1	6,229.2	6,104.1	22.3	28.0	-39.17	2,531.2	630.5	2,113.5	2,070.1	43.40	48.694	
5,800.0	5,736.3	6,322.1	6,194.6	22.8	28.5	-39.34	2,510.3	634.4	2,077.1	2,033.0	44.16	47.037	
5,900.0	5,834.5	6,415.1	6,285.1	23.2	29.0	-39.52	2,489.4	638.4	2,040.8	1,995.8	44.92	45.436	
6,000.0	5,932.7	6,508.0	6,375.6	23.7	29.5	-39.69	2,468.6	642.3	2,004.4	1,958.7	45.67	43.887	
6,100.0	6,030.8	6,601.0	6,466.1	24.1	29.9	-39.88	2,447.7	646.2	1,968.0	1,921.6	46.43	42.389	
6,200.0	6,129.0	6,694.0	6,556.6	24.6	30.4	-40.08	2,426.9	650.2	1,931.7	1,884.5	47.19	40.938	
6,300.0	6,227.2	6,786.9	6,647.1	25.0	30.9	-40.28	2,406.0	654.1	1,895.4	1,847.5	47.94	39.533	
6,400.0	6,325.3	6,879.9	6,737.6	25.5	31.4	-40.48	2,385.2	658.0	1,859.1	1,810.4	48.70	38.172	
6,500.0	6,423.5	6,972.9	6,828.1	25.9	31.9	-40.70	2,364.3	661.9	1,822.8	1,773.4	49.46	36.852	
6,600.0	6,521.7	7,065.8	6,918.7	26.4	32.3	-40.93	2,343.5	665.9	1,786.6	1,736.4	50.22	35.572	
6,700.0	6,619.9	7,158.8	7,009.2	26.9	32.8	-41.16	2,322.6	669.8	1,750.4	1,699.4	50.99	34.331	
6,800.0	6,718.0	7,251.8	7,099.7	27.3	33.3	-41.41	2,301.7	673.7	1,714.2	1,662.4	51.75	33.125	
6,900.0	6,816.2	7,344.7	7,190.2	27.8	33.8	-41.66	2,280.9	677.7	1,678.0	1,625.5	52.51	31.955	
7,000.0	6,914.4	7,431.8	7,275.0	28.2	34.2	-41.91	2,261.3	681.4	1,641.9	1,588.6	53.28	30.814	
7,100.0	7,012.5	7,500.0	7,341.5	28.7	34.5	-42.12	2,246.6	684.1	1,606.7	1,552.6	54.08	29.710	
7,200.0	7,110.7	7,568.6	7,408.7	29.1	34.9	-42.35	2,233.0	686.7	1,573.1	1,518.2	54.87	28.671	
7,300.0	7,208.9	7,636.1	7,475.0	29.6	35.2	-42.58	2,220.8	689.0	1,541.2	1,485.5	55.65	27.694	
7,400.0	7,307.1	7,700.0	7,538.0	30.1	35.5	-42.83	2,210.2	691.0	1,510.9	1,454.5	56.42	26.778	
7,500.0	7,405.2	7,773.2	7,610.4	30.5	35.8	-43.12	2,199.4	693.0	1,482.4	1,425.2	57.18	25.923	
7,514.9	7,419.9	7,783.6	7,620.7	30.6	35.8	-43.17	2,198.0	693.3	1,478.3	1,421.0	57.30	25.800	
7,600.0	7,503.6	7,843.0	7,679.5	31.0	36.1	-43.17	2,190.4	694.7	1,456.3	1,398.4	57.93	25.140	
7,700.0	7,602.4	7,913.7	7,749.9	31.4	36.4	-43.18	2,182.6	696.2	1,433.9	1,375.2	58.65	24.448	
7,800.0	7,701.5	7,985.4	7,821.2	31.8	36.6	-43.19	2,175.9	697.5	1,415.1	1,355.8	59.34	23.846	
7,900.0	7,801.0	8,057.9	7,893.5	32.2	36.9	-43.21	2,170.5	698.5	1,400.1	1,340.1	60.00	23.334	
8,000.0	7,900.7	8,130.9	7,966.4	32.6	37.1	-43.22	2,166.4	699.3	1,388.9	1,328.2	60.63	22.907	
8,100.0	8,000.5	8,200.0	8,035.4	32.9	37.3	-43.23	2,163.8	699.7	1,381.4	1,320.2	61.21	22.570	
8,200.0	8,100.5	8,278.0	8,113.4	33.2	37.6	-43.24	2,162.4	700.0	1,377.8	1,316.0	61.78	22.303	
8,246.3	8,146.8	8,312.4	8,147.8	33.4	37.7	-0.91	2,162.2	700.0	1,377.4	1,315.3	62.02	22.209	CC
8,246.5	8,147.0	8,312.5	8,147.9	33.4	37.7	-0.91	2,162.2	700.0	1,377.4	1,315.3	62.02	22.208	
8,250.0	8,150.5	8,315.8	8,151.2	33.4	37.7	88.64	2,162.2	700.0	1,377.4	1,315.3	62.04	22.201	
8,300.0	8,200.4	8,362.9	8,198.2	33.5	37.8	88.65	2,162.2	697.8	1,377.4	1,315.0	62.32	22.103	
8,350.0	8,249.9	8,409.9	8,244.9	33.6	37.9	88.66	2,162.3	691.6	1,377.4	1,314.8	62.57	22.014	
8,400.0	8,298.7	8,457.0	8,290.9	33.7	38.0	88.68	2,162.4	681.7	1,377.4	1,314.6	62.79	21.936	
8,450.0	8,346.2	8,504.2	8,336.0	33.8	38.1	88.71	2,162.5	668.0	1,377.4	1,314.4	62.99	21.867	
8,500.0	8,392.3	8,551.4	8,379.9	33.9	38.2	88.75	2,162.7	650.6	1,377.4	1,314.2	63.17	21.806	
8,550.0	8,436.5	8,598.7	8,422.2	33.9	38.3	88.80	2,162.9	629.6	1,377.4	1,314.1	63.32	21.752	
8,600.0	8,478.5	8,646.1	8,462.8	34.0	38.3	88.86	2,163.2	605.1	1,377.5	1,314.0	63.47	21.702	
8,650.0	8,518.0	8,693.6	8,501.4	34.0	38.4	88.92	2,163.5	577.3	1,377.5	1,313.9	63.62	21.653	
8,700.0	8,554.6	8,741.3	8,537.6	34.0	38.4	89.00	2,163.8	546.3	1,377.6	1,313.8	63.76	21.604	
8,750.0	8,588.1	8,789.1	8,571.1	34.0	38.5	89.08	2,164.1	512.3	1,377.6	1,313.7	63.93	21.550	
8,800.0	8,618.3	8,837.1	8,601.9	33.9	38.5	89.17	2,164.5	475.5	1,377.7	1,313.5	64.11	21.487	
8,850.0	8,644.9	8,885.3	8,629.6	33.9	38.5	89.26	2,164.9	436.0	1,377.7	1,313.4	64.34	21.414	
8,900.0	8,667.7	8,933.7	8,653.9	33.9	38.6	89.36	2,165.3	394.2	1,377.8	1,313.2	64.60	21.327	
8,950.0	8,686.6	8,982.4	8,674.7	33.9	38.6	89.47	2,165.8	350.3	1,377.9	1,313.0	64.93	21.223	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Ken Wilson - Ken Wilson #132H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.0	8,701.3	9,031.2	8,691.8	33.9	38.6	89.58	2,166.2	304.5	1,378.0	1,312.7	65.31	21.100	
9,050.0	8,711.8	9,080.3	8,705.0	33.9	38.6	89.69	2,166.7	257.3	1,378.1	1,312.3	65.75	20.959	
9,100.0	8,718.1	9,129.6	8,714.1	33.9	38.6	89.80	2,167.2	208.8	1,378.2	1,311.9	66.26	20.801	
9,146.5	8,720.0	9,175.8	8,718.8	33.9	38.7	89.91	2,167.7	162.9	1,378.3	1,311.5	66.78	20.638	
9,200.0	8,720.0	9,229.1	8,720.0	34.1	38.7	89.96	2,168.2	109.6	1,378.4	1,311.0	67.46	20.432	
9,300.0	8,720.0	9,329.1	8,720.0	34.5	38.9	89.96	2,169.2	9.6	1,378.7	1,309.7	68.97	19.989	
9,400.0	8,720.0	9,429.1	8,720.0	35.2	39.2	89.96	2,170.2	-90.4	1,378.9	1,308.1	70.78	19.480	
9,500.0	8,720.0	9,529.1	8,720.0	36.2	39.7	89.96	2,171.2	-190.4	1,379.1	1,306.3	72.88	18.923	
9,600.0	8,720.0	9,629.1	8,720.0	37.3	40.5	89.96	2,172.2	-290.4	1,379.4	1,304.1	75.24	18.333	
9,700.0	8,720.0	9,729.1	8,720.0	38.6	41.5	89.96	2,173.3	-390.4	1,379.6	1,301.8	77.84	17.724	
9,800.0	8,720.0	9,829.1	8,720.0	39.9	42.7	89.96	2,174.3	-490.4	1,379.9	1,299.2	80.66	17.108	
9,900.0	8,720.0	9,929.1	8,720.0	41.4	44.0	89.96	2,175.3	-590.4	1,380.1	1,296.5	83.66	16.496	
10,000.0	8,720.0	10,029.1	8,720.0	43.0	45.5	89.96	2,176.3	-690.4	1,380.4	1,293.5	86.84	15.895	
10,100.0	8,720.0	10,129.1	8,720.0	44.6	47.1	89.96	2,177.3	-790.4	1,380.6	1,290.4	90.18	15.310	
10,200.0	8,720.0	10,229.1	8,720.0	46.3	48.8	89.96	2,178.3	-890.4	1,380.9	1,287.2	93.65	14.744	
10,300.0	8,720.0	10,329.1	8,720.0	48.1	50.5	89.96	2,179.3	-990.4	1,381.1	1,283.8	97.25	14.201	
10,400.0	8,720.0	10,429.1	8,720.0	50.0	52.4	89.96	2,180.3	-1,090.4	1,381.3	1,280.4	100.96	13.682	
10,500.0	8,720.0	10,529.1	8,720.0	51.8	54.2	89.96	2,181.4	-1,190.4	1,381.6	1,276.8	104.77	13.187	
10,600.0	8,720.0	10,629.1	8,720.0	53.8	56.1	89.96	2,182.4	-1,290.4	1,381.8	1,273.2	108.66	12.717	
10,700.0	8,720.0	10,729.1	8,720.0	55.8	58.1	89.96	2,183.4	-1,390.4	1,382.1	1,269.4	112.64	12.270	
10,800.0	8,720.0	10,829.1	8,720.0	57.8	60.1	89.96	2,184.4	-1,490.3	1,382.3	1,265.6	116.69	11.847	
10,900.0	8,720.0	10,929.1	8,720.0	59.8	62.1	89.96	2,185.4	-1,590.3	1,382.6	1,261.8	120.80	11.445	
11,000.0	8,720.0	11,029.1	8,720.0	61.9	64.2	89.96	2,186.4	-1,690.3	1,382.8	1,257.8	124.96	11.066	
11,100.0	8,720.0	11,129.1	8,720.0	64.0	66.3	89.96	2,187.4	-1,790.3	1,383.1	1,253.9	129.18	10.706	
11,200.0	8,720.0	11,229.1	8,720.0	66.1	68.4	89.96	2,188.4	-1,890.3	1,383.3	1,249.9	133.45	10.366	
11,300.0	8,720.0	11,329.1	8,720.0	68.2	70.5	89.96	2,189.5	-1,990.3	1,383.5	1,245.8	137.76	10.043	
11,400.0	8,720.0	11,429.1	8,720.0	70.4	72.7	89.96	2,190.5	-2,090.3	1,383.8	1,241.7	142.11	9.738	
11,500.0	8,720.0	11,529.1	8,720.0	72.6	74.9	89.96	2,191.5	-2,190.3	1,384.0	1,237.5	146.49	9.448	
11,600.0	8,720.0	11,629.1	8,720.0	74.8	77.1	89.96	2,192.5	-2,290.3	1,384.3	1,233.4	150.91	9.173	
11,700.0	8,720.0	11,729.1	8,720.0	77.0	79.3	89.96	2,193.5	-2,390.3	1,384.5	1,229.2	155.36	8.912	
11,800.0	8,720.0	11,829.1	8,720.0	79.2	81.5	89.96	2,194.5	-2,490.3	1,384.8	1,224.9	159.83	8.664	
11,900.0	8,720.0	11,929.1	8,720.0	81.5	83.7	89.96	2,195.5	-2,590.3	1,385.0	1,220.7	164.33	8.428	
12,000.0	8,720.0	12,029.1	8,720.0	83.7	86.0	89.96	2,196.5	-2,690.3	1,385.3	1,216.4	168.85	8.204	
12,100.0	8,720.0	12,129.1	8,720.0	86.0	88.2	89.96	2,197.6	-2,790.3	1,385.5	1,212.1	173.39	7.991	
12,200.0	8,720.0	12,229.1	8,720.0	88.3	90.5	89.96	2,198.6	-2,890.3	1,385.7	1,207.8	177.95	7.787	
12,300.0	8,720.0	12,329.1	8,720.0	90.5	92.8	89.96	2,199.6	-2,990.3	1,386.0	1,203.5	182.53	7.593	
12,400.0	8,720.0	12,429.1	8,720.0	92.8	95.1	89.96	2,200.6	-3,090.3	1,386.2	1,199.1	187.12	7.408	
12,500.0	8,720.0	12,529.1	8,720.0	95.1	97.4	89.96	2,201.6	-3,190.3	1,386.5	1,194.7	191.74	7.231	
12,600.0	8,720.0	12,629.1	8,720.0	97.4	99.7	89.96	2,202.6	-3,290.2	1,386.7	1,190.4	196.36	7.062	
12,700.0	8,720.0	12,729.1	8,720.0	99.8	102.0	89.96	2,203.6	-3,390.2	1,387.0	1,186.0	201.00	6.900	
12,800.0	8,720.0	12,829.1	8,720.0	102.1	104.3	89.96	2,204.6	-3,490.2	1,387.2	1,181.6	205.65	6.745	
12,900.0	8,720.0	12,929.1	8,720.0	104.4	106.6	89.96	2,205.7	-3,590.2	1,387.5	1,177.1	210.32	6.597	
13,000.0	8,720.0	13,029.1	8,720.0	106.7	109.0	89.96	2,206.7	-3,690.2	1,387.7	1,172.7	214.99	6.455	
13,100.0	8,720.0	13,129.1	8,720.0	109.1	111.3	89.96	2,207.7	-3,790.2	1,387.9	1,168.3	219.68	6.318	
13,200.0	8,720.0	13,229.1	8,720.0	111.4	113.6	89.96	2,208.7	-3,890.2	1,388.2	1,163.8	224.37	6.187	
13,300.0	8,720.0	13,329.1	8,720.0	113.8	116.0	89.96	2,209.7	-3,990.2	1,388.4	1,159.4	229.07	6.061	
13,400.0	8,720.0	13,429.1	8,720.0	116.1	118.3	89.96	2,210.7	-4,090.2	1,388.7	1,154.9	233.78	5.940	
13,500.0	8,720.0	13,529.1	8,720.0	118.5	120.7	89.96	2,211.7	-4,190.2	1,388.9	1,150.4	238.50	5.823	
13,600.0	8,720.0	13,629.1	8,720.0	120.8	123.0	89.96	2,212.7	-4,290.2	1,389.2	1,145.9	243.23	5.711	
13,700.0	8,720.0	13,729.1	8,720.0	123.2	125.4	89.96	2,213.8	-4,390.2	1,389.4	1,141.4	247.96	5.603	
13,800.0	8,720.0	13,829.1	8,720.0	125.6	127.8	89.96	2,214.8	-4,490.2	1,389.7	1,136.9	252.70	5.499	
13,900.0	8,720.0	13,929.1	8,720.0	127.9	130.1	89.96	2,215.8	-4,590.2	1,389.9	1,132.4	257.45	5.399	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Ken Wilson - Ken Wilson #132H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.0	8,720.0	14,029.1	8,720.0	130.3	132.5	89.96	2,216.8	-4,690.2	1,390.1	1,127.9	262.20	5.302	
14,100.0	8,720.0	14,129.1	8,720.0	132.7	134.9	89.96	2,217.8	-4,790.2	1,390.4	1,123.4	266.96	5.208	
14,200.0	8,720.0	14,229.1	8,720.0	135.1	137.2	89.96	2,218.8	-4,890.2	1,390.6	1,118.9	271.73	5.118	
14,300.0	8,720.0	14,329.1	8,720.0	137.4	139.6	89.96	2,219.8	-4,990.2	1,390.9	1,114.4	276.50	5.030	
14,400.0	8,720.0	14,429.1	8,720.0	139.8	142.0	89.96	2,220.8	-5,090.1	1,391.1	1,109.9	281.27	4.946	
14,500.0	8,720.0	14,529.1	8,720.0	142.2	144.4	89.96	2,221.9	-5,190.1	1,391.4	1,105.3	286.05	4.864	
14,600.0	8,720.0	14,629.1	8,720.0	144.6	146.8	89.96	2,222.9	-5,290.1	1,391.6	1,100.8	290.83	4.785	
14,700.0	8,720.0	14,729.1	8,720.0	147.0	149.2	89.96	2,223.9	-5,390.1	1,391.9	1,096.2	295.62	4.708	
14,800.0	8,720.0	14,829.1	8,720.0	149.4	151.5	89.96	2,224.9	-5,490.1	1,392.1	1,091.7	300.41	4.634	
14,900.0	8,720.0	14,929.1	8,720.0	151.8	153.9	89.96	2,225.9	-5,590.1	1,392.3	1,087.1	305.20	4.562	
15,000.0	8,720.0	15,029.1	8,720.0	154.2	156.3	89.96	2,226.9	-5,690.1	1,392.6	1,082.6	310.00	4.492	
15,100.0	8,720.0	15,129.1	8,720.0	156.6	158.7	89.96	2,227.9	-5,790.1	1,392.8	1,078.0	314.80	4.424	
15,200.0	8,720.0	15,229.1	8,720.0	159.0	161.1	89.96	2,228.9	-5,890.1	1,393.1	1,073.5	319.60	4.359	
15,300.0	8,720.0	15,329.1	8,720.0	161.4	163.5	89.96	2,229.9	-5,990.1	1,393.3	1,068.9	324.41	4.295	
15,400.0	8,720.0	15,429.1	8,720.0	163.8	165.9	89.96	2,231.0	-6,090.1	1,393.6	1,064.3	329.22	4.233	
15,500.0	8,720.0	15,529.1	8,720.0	166.2	168.3	89.96	2,232.0	-6,190.1	1,393.8	1,059.8	334.04	4.173	
15,600.0	8,720.0	15,629.1	8,720.0	168.6	170.7	89.96	2,233.0	-6,290.1	1,394.1	1,055.2	338.85	4.114	
15,700.0	8,720.0	15,729.1	8,720.0	171.0	173.1	89.96	2,234.0	-6,390.1	1,394.3	1,050.6	343.67	4.057	
15,800.0	8,720.0	15,829.1	8,720.0	173.4	175.5	89.96	2,235.0	-6,490.1	1,394.5	1,046.0	348.49	4.002	
15,900.0	8,720.0	15,929.1	8,720.0	175.8	178.0	89.96	2,236.0	-6,590.1	1,394.8	1,041.5	353.32	3.948	
16,000.0	8,720.0	16,029.1	8,720.0	178.2	180.4	89.96	2,237.0	-6,690.1	1,395.0	1,036.9	358.14	3.895	
16,100.0	8,720.0	16,129.1	8,720.0	180.6	182.8	89.96	2,238.0	-6,790.1	1,395.3	1,032.3	362.97	3.844	
16,200.0	8,720.0	16,229.1	8,720.0	183.0	185.2	89.96	2,239.1	-6,890.1	1,395.5	1,027.7	367.80	3.794	
16,300.0	8,720.0	16,329.1	8,720.0	185.5	187.6	89.96	2,240.1	-6,990.0	1,395.8	1,023.1	372.63	3.746	
16,400.0	8,720.0	16,429.1	8,720.0	187.9	190.0	89.96	2,241.1	-7,090.0	1,396.0	1,018.5	377.47	3.698	
16,500.0	8,720.0	16,529.1	8,720.0	190.3	192.4	89.96	2,242.1	-7,190.0	1,396.3	1,013.9	382.30	3.652	
16,600.0	8,720.0	16,629.1	8,720.0	192.7	194.8	89.96	2,243.1	-7,290.0	1,396.5	1,009.4	387.14	3.607	
16,700.0	8,720.0	16,729.1	8,720.0	195.1	197.3	89.96	2,244.1	-7,390.0	1,396.7	1,004.8	391.98	3.563	
16,800.0	8,720.0	16,829.1	8,720.0	197.5	199.7	89.96	2,245.1	-7,490.0	1,397.0	1,000.2	396.82	3.520	
16,900.0	8,720.0	16,929.1	8,720.0	200.0	202.1	89.96	2,246.1	-7,590.0	1,397.2	995.6	401.67	3.479	
17,000.0	8,720.0	17,029.1	8,720.0	202.4	204.5	89.96	2,247.2	-7,690.0	1,397.5	991.0	406.51	3.438	
17,100.0	8,720.0	17,129.1	8,720.0	204.8	206.9	89.96	2,248.2	-7,790.0	1,397.7	986.4	411.36	3.398	
17,200.0	8,720.0	17,229.1	8,720.0	207.2	209.4	89.96	2,249.2	-7,890.0	1,398.0	981.8	416.20	3.359	
17,300.0	8,720.0	17,329.1	8,720.0	209.6	211.8	89.96	2,250.2	-7,990.0	1,398.2	977.2	421.05	3.321	
17,400.0	8,720.0	17,429.1	8,720.0	212.1	214.2	89.96	2,251.2	-8,090.0	1,398.5	972.5	425.90	3.283	
17,500.0	8,720.0	17,529.1	8,720.0	214.5	216.6	89.96	2,252.2	-8,190.0	1,398.7	967.9	430.75	3.247	
17,600.0	8,720.0	17,629.1	8,720.0	216.9	219.0	89.96	2,253.2	-8,290.0	1,398.9	963.3	435.61	3.211	
17,700.0	8,720.0	17,729.1	8,720.0	219.3	221.5	89.96	2,254.2	-8,390.0	1,399.2	958.7	440.46	3.177	
17,800.0	8,720.0	17,829.1	8,720.0	221.8	223.9	89.96	2,255.3	-8,490.0	1,399.4	954.1	445.32	3.143	
17,900.0	8,720.0	17,929.1	8,720.0	224.2	226.3	89.96	2,256.3	-8,590.0	1,399.7	949.5	450.17	3.109	
18,000.0	8,720.0	18,029.1	8,720.0	226.6	228.8	89.96	2,257.3	-8,690.0	1,399.9	944.9	455.03	3.077	
18,100.0	8,720.0	18,129.1	8,720.0	229.1	231.2	89.96	2,258.3	-8,789.9	1,400.2	940.3	459.89	3.045	
18,200.0	8,720.0	18,229.1	8,720.0	231.5	233.6	89.96	2,259.3	-8,889.9	1,400.4	935.7	464.75	3.013	
18,300.0	8,720.0	18,329.1	8,720.0	233.9	236.0	89.96	2,260.3	-8,989.9	1,400.6	931.0	469.61	2.983	
18,400.0	8,720.0	18,429.1	8,720.0	236.3	238.5	89.96	2,261.3	-9,089.9	1,400.9	926.4	474.47	2.953	
18,500.0	8,720.0	18,529.1	8,720.0	238.8	240.9	89.96	2,262.3	-9,189.9	1,401.1	921.8	479.33	2.923	
18,600.0	8,720.0	18,629.1	8,720.0	241.2	243.3	89.96	2,263.4	-9,289.9	1,401.4	917.2	484.20	2.894	
18,700.0	8,720.0	18,729.1	8,720.0	243.6	245.8	89.96	2,264.4	-9,389.9	1,401.6	912.6	489.06	2.866	
18,800.0	8,720.0	18,829.1	8,720.0	246.1	248.2	89.96	2,265.4	-9,489.9	1,401.9	907.9	493.93	2.838	
18,900.0	8,720.0	18,929.1	8,720.0	248.5	250.6	89.96	2,266.4	-9,589.9	1,402.1	903.3	498.79	2.811	
19,000.0	8,720.0	19,029.1	8,720.0	250.9	253.0	89.96	2,267.4	-9,689.9	1,402.4	898.7	503.66	2.784	
19,100.0	8,720.0	19,129.1	8,720.0	253.4	255.5	89.96	2,268.4	-9,789.9	1,402.6	894.1	508.53	2.758	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Ken Wilson - Ken Wilson #132H - Wellbore #1 - State Plan #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,176.7	8,720.0	19,205.8	8,720.0	255.2	257.3	89.96	2,269.2	-9,866.6	1,402.8	890.5	512.26	2.738	ES, SF

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Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake '15' #1 - Wellbore #1 - Design #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-93.34	-390.6	-6,688.2	7,342.4				
100.0	100.0	0.0	0.0	0.1	0.0	-93.34	-390.6	-6,688.2	7,302.1	7,300.5	1.59	4,596.850	
200.0	200.0	0.0	0.0	0.5	0.0	-93.34	-390.6	-6,688.2	7,262.9	7,261.3	1.57	4,630.279	
300.0	300.0	0.0	0.0	0.8	0.0	-93.34	-390.6	-6,688.2	7,224.9	7,223.2	1.63	4,445.594	
400.0	400.0	0.0	0.0	1.2	0.0	56.41	-390.6	-6,688.2	7,187.6	7,185.8	1.75	4,111.681	
424.5	424.5	0.0	0.0	1.3	0.0	56.49	-390.6	-6,688.2	7,178.5	7,176.7	1.79	4,009.485	
500.0	500.0	0.0	0.0	1.5	0.0	56.49	-390.6	-6,688.2	7,150.8	7,148.9	1.92	3,718.327	
600.0	599.9	0.0	0.0	1.9	0.0	56.49	-390.6	-6,688.2	7,115.3	7,113.2	2.14	3,326.752	
700.0	699.9	0.0	0.0	2.2	0.0	56.49	-390.6	-6,688.2	7,081.0	7,078.6	2.39	2,961.807	
800.0	799.9	0.0	0.0	2.6	0.0	56.49	-390.6	-6,688.2	7,047.9	7,045.3	2.67	2,640.008	
900.0	899.9	0.0	0.0	2.9	0.0	56.49	-390.6	-6,688.2	7,016.2	7,013.2	2.97	2,363.387	
1,000.0	999.9	0.0	0.0	3.3	0.0	56.49	-390.6	-6,688.2	6,985.7	6,982.4	3.28	2,127.853	
1,100.0	1,099.8	0.0	0.0	3.7	0.0	56.49	-390.6	-6,688.2	6,956.5	6,952.9	3.61	1,927.526	
1,200.0	1,199.8	0.0	0.0	4.0	0.0	56.49	-390.6	-6,688.2	6,928.6	6,924.6	3.94	1,756.601	
1,300.0	1,299.8	0.0	0.0	4.4	0.0	56.49	-390.6	-6,688.2	6,902.1	6,897.8	4.29	1,609.992	
1,400.0	1,399.8	0.0	0.0	4.7	0.0	56.49	-390.6	-6,688.2	6,876.9	6,872.2	4.64	1,483.466	
1,475.7	1,475.5	0.0	0.0	5.0	0.0	56.49	-390.6	-6,688.2	6,858.7	6,853.8	4.90	1,398.880	
1,500.0	1,499.7	0.0	0.0	5.1	0.0	56.45	-390.6	-6,688.2	6,853.1	6,848.1	4.99	1,373.668	
1,600.3	1,600.0	0.0	0.0	5.4	0.0	-93.16	-390.6	-6,688.2	6,831.3	6,826.0	5.33	1,280.520	
1,700.0	1,699.7	0.0	0.0	5.8	0.0	-135.62	-390.6	-6,688.2	6,812.1	6,806.4	5.67	1,201.259	
1,800.0	1,799.7	0.0	0.0	6.1	0.0	-135.74	-390.6	-6,688.2	6,795.5	6,789.5	6.01	1,130.422	
1,900.0	1,899.6	0.0	0.0	6.4	0.0	-135.84	-390.6	-6,688.2	6,781.6	6,775.2	6.36	1,066.853	
2,000.0	1,999.4	0.0	0.0	6.8	0.0	-135.92	-390.6	-6,688.2	6,770.3	6,763.6	6.71	1,009.661	
2,100.0	2,099.1	0.0	0.0	7.1	0.0	-135.98	-390.6	-6,688.2	6,761.8	6,754.7	7.06	958.061	
2,200.0	2,198.6	0.0	0.0	7.5	0.0	-136.02	-390.6	-6,688.2	6,756.0	6,748.6	7.41	911.364	
2,300.0	2,298.0	0.0	0.0	7.8	0.0	-136.04	-390.6	-6,688.2	6,752.9	6,745.1	7.77	868.974	
2,362.4	2,359.9	0.0	0.0	8.0	0.0	-136.04	-390.6	-6,688.2	6,752.4	6,744.4	8.00	844.458	
2,400.0	2,397.1	0.0	0.0	8.2	0.0	-136.04	-390.6	-6,688.2	6,752.6	6,744.4	8.13	830.376	
2,500.0	2,496.0	0.0	0.0	8.5	0.0	-136.03	-390.6	-6,688.2	6,755.0	6,746.5	8.50	795.124	
2,600.0	2,594.7	0.0	0.0	8.9	0.0	-135.99	-390.6	-6,688.2	6,760.1	6,751.2	8.86	762.834	
2,697.6	2,690.7	0.0	0.0	9.3	0.0	-135.94	-390.6	-6,688.2	6,767.7	6,758.5	9.22	733.852	
2,700.0	2,693.0	0.0	0.0	9.3	0.0	-135.94	-390.6	-6,688.2	6,768.0	6,758.7	9.23	733.151	
2,800.0	2,791.2	0.0	0.0	9.7	0.0	-135.94	-390.6	-6,688.2	6,777.9	6,768.3	9.60	705.872	
2,900.0	2,889.3	0.0	0.0	10.1	0.0	-135.94	-390.6	-6,688.2	6,789.2	6,779.3	9.97	680.700	
3,000.0	2,987.5	67.2	67.2	10.5	0.2	-136.01	-389.9	-6,687.5	6,801.8	6,791.2	10.57	643.258	
3,100.0	3,085.7	165.6	165.6	10.9	0.6	-136.11	-388.8	-6,686.3	6,814.4	6,803.1	11.30	602.842	
3,200.0	3,183.8	264.1	264.1	11.3	0.9	-136.21	-387.7	-6,685.2	6,827.0	6,815.0	12.04	567.140	
3,300.0	3,282.0	362.6	362.5	11.7	1.3	-136.31	-386.6	-6,684.0	6,839.6	6,826.9	12.77	535.432	
3,400.0	3,380.2	461.0	461.0	12.1	1.6	-136.41	-385.5	-6,682.9	6,852.3	6,838.8	13.51	507.099	
3,500.0	3,478.4	559.5	559.4	12.6	2.0	-136.51	-384.4	-6,681.7	6,865.0	6,850.7	14.25	481.636	
3,600.0	3,576.5	658.0	657.9	13.0	2.3	-136.61	-383.2	-6,680.6	6,877.7	6,862.7	15.00	458.635	
3,700.0	3,674.7	756.4	756.3	13.4	2.7	-136.71	-382.1	-6,679.5	6,890.4	6,874.6	15.74	437.762	
3,800.0	3,772.9	854.9	854.8	13.8	3.1	-136.81	-381.0	-6,678.3	6,903.1	6,886.6	16.49	418.738	
3,900.0	3,871.1	953.3	953.2	14.3	3.4	-136.91	-379.9	-6,677.2	6,915.9	6,898.6	17.23	401.331	
4,000.0	3,969.2	1,051.8	1,051.7	14.7	3.8	-137.01	-378.8	-6,676.0	6,928.6	6,910.7	17.98	385.346	
4,100.0	4,067.4	1,150.3	1,150.1	15.1	4.1	-137.11	-377.7	-6,674.9	6,941.4	6,922.7	18.73	370.619	
4,200.0	4,165.6	1,248.7	1,248.6	15.6	4.5	-137.20	-376.6	-6,673.8	6,954.3	6,934.8	19.48	357.009	
4,300.0	4,263.7	1,347.2	1,347.0	16.0	4.8	-137.30	-375.5	-6,672.6	6,967.1	6,946.9	20.23	344.394	
4,400.0	4,361.9	1,445.7	1,445.5	16.5	5.2	-137.40	-374.4	-6,671.5	6,980.0	6,959.0	20.98	332.671	
4,500.0	4,460.1	1,544.1	1,543.9	16.9	5.5	-137.50	-373.3	-6,670.3	6,992.8	6,971.1	21.73	321.750	
4,600.0	4,558.3	1,642.6	1,642.4	17.4	5.9	-137.59	-372.2	-6,669.2	7,005.7	6,983.2	22.49	311.552	
4,700.0	4,656.4	1,741.1	1,740.8	17.8	6.2	-137.69	-371.1	-6,668.0	7,018.6	6,995.4	23.24	302.008	

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

Anticollision Report

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Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake '15' #1 - Wellbore #1 - Design #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	1,839.5	1,839.3	18.2	6.6	-137.78	-370.0	-6,666.9	7,031.6	7,007.6	23.99	293.059	
4,900.0	4,852.8	1,938.0	1,937.8	18.7	6.9	-137.88	-368.9	-6,665.8	7,044.5	7,019.8	24.75	284.650	
5,000.0	4,950.9	2,036.5	2,036.2	19.1	7.3	-137.97	-367.8	-6,664.6	7,057.5	7,032.0	25.50	276.736	
5,100.0	5,049.1	2,134.9	2,134.7	19.6	7.6	-138.07	-366.7	-6,663.5	7,070.5	7,044.3	26.26	269.273	
5,200.0	5,147.3	2,233.4	2,233.1	20.0	8.0	-138.16	-365.6	-6,662.3	7,083.5	7,056.5	27.01	262.225	
5,300.0	5,245.5	2,331.9	2,331.6	20.5	8.4	-138.26	-364.4	-6,661.2	7,096.6	7,068.8	27.77	255.559	
5,400.0	5,343.6	2,430.3	2,430.0	20.9	8.7	-138.35	-363.3	-6,660.1	7,109.6	7,081.1	28.52	249.244	
5,500.0	5,441.8	2,528.8	2,528.5	21.4	9.1	-138.44	-362.2	-6,658.9	7,122.7	7,093.4	29.28	243.255	
5,600.0	5,540.0	2,627.3	2,626.9	21.8	9.4	-138.54	-361.1	-6,657.8	7,135.8	7,105.7	30.04	237.566	
5,700.0	5,638.1	2,725.7	2,725.4	22.3	9.8	-138.63	-360.0	-6,656.6	7,148.9	7,118.1	30.79	232.155	
5,800.0	5,736.3	2,824.2	2,823.8	22.8	10.1	-138.72	-358.9	-6,655.5	7,162.0	7,130.5	31.55	227.004	
5,900.0	5,834.5	2,922.7	2,922.3	23.2	10.5	-138.81	-357.8	-6,654.3	7,175.2	7,142.9	32.31	222.094	
6,000.0	5,932.7	3,021.1	3,020.7	23.7	10.8	-138.90	-356.7	-6,653.2	7,188.3	7,155.3	33.06	217.408	
6,100.0	6,030.8	3,119.6	3,119.2	24.1	11.2	-139.00	-355.6	-6,652.1	7,201.5	7,167.7	33.82	212.932	
6,200.0	6,129.0	3,218.1	3,217.6	24.6	11.5	-139.09	-354.5	-6,650.9	7,214.7	7,180.1	34.58	208.652	
6,300.0	6,227.2	3,316.5	3,316.1	25.0	11.9	-139.18	-353.4	-6,649.8	7,227.9	7,192.6	35.33	204.556	
6,400.0	6,325.3	3,415.0	3,414.5	25.5	12.2	-139.27	-352.3	-6,648.6	7,241.2	7,205.1	36.09	200.632	
6,500.0	6,423.5	3,513.5	3,513.0	25.9	12.6	-139.36	-351.2	-6,647.5	7,254.4	7,217.6	36.85	196.869	
6,600.0	6,521.7	3,611.9	3,611.4	26.4	13.0	-139.45	-350.1	-6,646.4	7,267.7	7,230.1	37.61	193.258	
6,700.0	6,619.9	3,710.4	3,709.9	26.9	13.3	-139.54	-349.0	-6,645.2	7,281.0	7,242.6	38.36	189.791	
6,800.0	6,718.0	3,808.8	3,808.4	27.3	13.7	-139.63	-347.9	-6,644.1	7,294.3	7,255.2	39.12	186.458	
6,900.0	6,816.2	3,907.3	3,906.8	27.8	14.0	-139.71	-346.8	-6,642.9	7,307.6	7,267.7	39.88	183.252	
7,000.0	6,914.4	4,005.8	4,005.3	28.2	14.4	-139.80	-345.6	-6,641.8	7,321.0	7,280.3	40.63	180.166	
7,100.0	7,012.5	4,104.2	4,103.7	28.7	14.7	-139.89	-344.5	-6,640.6	7,334.3	7,292.9	41.39	177.193	
7,200.0	7,110.7	4,202.7	4,202.2	29.1	15.1	-139.98	-343.4	-6,639.5	7,347.7	7,305.5	42.15	174.328	
7,300.0	7,208.9	4,301.2	4,300.6	29.6	15.4	-140.07	-342.3	-6,638.4	7,361.1	7,318.2	42.91	171.564	
7,400.0	7,307.1	4,400.4	4,399.1	30.1	15.8	-140.15	-341.2	-6,637.2	7,374.5	7,330.8	43.67	168.887	
7,500.0	7,405.2	4,501.9	4,497.5	30.5	16.1	-140.24	-340.1	-6,636.1	7,387.9	7,343.5	44.43	166.271	
7,514.9	7,419.9	4,512.8	4,512.2	30.6	16.2	-140.25	-340.0	-6,635.9	7,389.9	7,345.4	44.53	165.944	
7,600.0	7,503.6	4,603.3	4,596.1	31.0	16.5	-140.42	-339.0	-6,634.9	7,400.6	7,355.4	45.20	163.743	
7,700.0	7,602.4	4,704.3	4,695.1	31.4	16.9	-140.60	-337.9	-6,633.8	7,411.4	7,365.4	45.95	161.298	
7,800.0	7,701.5	4,804.9	4,794.5	31.8	17.2	-140.74	-336.8	-6,632.6	7,420.1	7,373.5	46.69	158.927	
7,900.0	7,801.0	4,905.3	4,894.1	32.2	17.6	-140.84	-335.7	-6,631.5	7,426.9	7,379.5	47.42	156.627	
8,000.0	7,900.7	5,005.5	4,993.9	32.6	18.0	-140.92	-334.5	-6,630.3	7,431.6	7,383.4	48.13	154.391	
8,100.0	8,000.5	5,105.5	5,093.8	32.9	18.3	-140.96	-333.4	-6,629.2	7,434.3	7,385.4	48.84	152.215	
8,200.0	8,100.5	5,205.6	5,193.8	33.2	18.7	-140.97	-332.3	-6,628.0	7,434.9	7,385.4	49.54	150.094	
8,246.5	8,147.0	5,241.0	5,240.3	33.4	18.8	-98.64	-331.8	-6,627.5	7,434.5	7,384.7	49.81	149.246	
8,250.0	8,150.5	5,244.4	5,243.8	33.4	18.8	-9.08	-331.7	-6,627.4	7,434.5	7,384.6	49.84	149.174	
8,300.0	8,200.4	5,305.7	5,293.6	33.5	19.0	-9.13	-331.2	-6,626.8	7,431.4	7,381.1	50.21	148.009	
8,350.0	8,249.9	5,343.8	5,343.1	33.6	19.2	-9.25	-330.6	-6,626.3	7,424.0	7,373.5	50.49	147.034	
8,400.0	8,298.7	5,407.6	5,391.7	33.7	19.4	-9.46	-330.1	-6,625.7	7,412.3	7,361.5	50.86	145.742	
8,450.0	8,346.2	5,439.8	5,439.0	33.8	19.5	-9.75	-329.5	-6,625.2	7,396.6	7,345.5	51.10	144.735	
8,500.0	8,392.3	5,485.6	5,484.9	33.9	19.7	-10.15	-329.0	-6,624.6	7,376.8	7,325.4	51.39	143.550	
8,550.0	8,436.5	5,529.5	5,528.8	33.9	19.8	-10.66	-328.5	-6,624.1	7,353.2	7,301.5	51.66	142.352	
8,600.0	8,478.5	5,571.2	5,570.5	34.0	20.0	-11.32	-328.1	-6,623.6	7,325.9	7,274.0	51.90	141.147	
8,650.0	8,518.0	5,610.3	5,609.6	34.0	20.1	-12.16	-327.6	-6,623.2	7,295.1	7,243.0	52.13	139.940	
8,700.0	8,554.6	5,646.5	5,645.8	34.0	20.3	-13.24	-327.2	-6,622.8	7,261.1	7,208.7	52.34	138.737	
8,750.0	8,588.1	5,679.7	5,678.9	34.0	20.4	-14.63	-326.8	-6,622.4	7,224.0	7,171.5	52.52	137.542	
8,800.0	8,618.3	5,709.4	5,708.6	33.9	20.5	-16.46	-326.5	-6,622.0	7,184.3	7,131.7	52.69	136.358	
8,850.0	8,644.9	5,735.5	5,734.7	33.9	20.6	-18.93	-326.2	-6,621.7	7,142.2	7,089.4	52.83	135.188	
8,900.0	8,667.7	5,757.8	5,757.0	33.9	20.7	-22.38	-326.0	-6,621.5	7,098.1	7,045.1	52.96	134.036	
8,950.0	8,686.6	5,776.1	5,775.3	33.9	20.7	-27.41	-325.8	-6,621.3	7,052.2	6,999.1	53.06	132.903	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake '15' #1 - Wellbore #1 - Design #1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,000.0	8,701.3	5,809.7	5,789.5	33.9	20.8	-35.15	-325.6	-6,621.1	7,004.9	6,951.7	53.22	131.619	
9,050.0	8,711.8	5,800.2	5,799.5	33.9	20.8	-47.78	-325.5	-6,621.0	6,956.6	6,903.3	53.22	130.704	
9,100.0	8,718.1	5,805.9	5,805.1	33.9	20.8	-68.45	-325.4	-6,620.9	6,907.6	6,854.3	53.28	129.641	
9,146.5	8,720.0	5,807.2	5,806.5	33.9	20.8	-94.46	-325.4	-6,620.9	6,861.8	6,808.5	53.33	128.675	
9,200.0	8,720.0	5,806.6	5,805.9	34.1	20.8	-94.43	-325.4	-6,620.9	6,809.1	6,755.7	53.37	127.578	
9,300.0	8,720.0	5,805.5	5,804.7	34.5	20.8	-94.37	-325.4	-6,620.9	6,710.6	6,657.1	53.46	125.515	
9,400.0	8,720.0	5,804.3	5,803.6	35.2	20.8	-94.32	-325.4	-6,620.9	6,612.2	6,558.6	53.57	123.438	
9,500.0	8,720.0	5,803.2	5,802.4	36.2	20.8	-94.26	-325.5	-6,620.9	6,513.8	6,460.1	53.68	121.347	
9,600.0	8,720.0	5,802.0	5,801.3	37.3	20.8	-94.21	-325.5	-6,621.0	6,415.4	6,361.6	53.80	119.241	
9,700.0	8,720.0	5,800.9	5,800.1	38.6	20.8	-94.15	-325.5	-6,621.0	6,317.1	6,263.2	53.94	117.120	
9,800.0	8,720.0	5,800.3	5,799.0	39.9	20.8	-94.09	-325.5	-6,621.0	6,218.9	6,164.8	54.09	114.980	
9,900.0	8,720.0	5,801.4	5,797.8	41.4	20.8	-94.04	-325.5	-6,621.0	6,120.7	6,066.4	54.26	112.813	
10,000.0	8,720.0	5,802.6	5,796.7	43.0	20.8	-93.98	-325.5	-6,621.0	6,022.6	5,968.1	54.44	110.632	
10,100.0	8,720.0	5,803.7	5,795.5	44.6	20.8	-93.92	-325.5	-6,621.0	5,924.5	5,869.9	54.64	108.437	
10,200.0	8,720.0	5,804.9	5,794.4	46.3	20.8	-93.87	-325.5	-6,621.0	5,826.5	5,771.6	54.85	106.228	
10,300.0	8,720.0	5,806.0	5,793.2	48.1	20.8	-93.81	-325.6	-6,621.1	5,728.6	5,673.5	55.08	104.006	
10,400.0	8,720.0	5,807.2	5,792.1	50.0	20.8	-93.76	-325.6	-6,621.1	5,630.7	5,575.4	55.33	101.771	
10,500.0	8,720.0	5,808.3	5,790.9	51.8	20.8	-93.70	-325.6	-6,621.1	5,532.9	5,477.3	55.59	99.522	
10,600.0	8,720.0	5,809.5	5,789.8	53.8	20.8	-93.64	-325.6	-6,621.1	5,435.2	5,379.3	55.88	97.261	
10,700.0	8,720.0	5,789.4	5,788.6	55.8	20.8	-93.59	-325.6	-6,621.1	5,337.6	5,281.5	56.12	95.117	
10,800.0	8,720.0	5,788.2	5,787.5	57.8	20.8	-93.53	-325.6	-6,621.1	5,240.1	5,183.6	56.44	92.842	
10,900.0	8,720.0	5,787.1	5,786.3	59.8	20.8	-93.47	-325.6	-6,621.1	5,142.7	5,085.9	56.79	90.555	
11,000.0	8,720.0	5,785.9	5,785.2	61.9	20.8	-93.42	-325.7	-6,621.1	5,045.3	4,988.2	57.17	88.256	
11,100.0	8,720.0	5,784.8	5,784.0	64.0	20.8	-93.36	-325.7	-6,621.2	4,948.1	4,890.5	57.57	85.948	
11,200.0	8,720.0	5,783.6	5,782.9	66.1	20.7	-93.31	-325.7	-6,621.2	4,851.0	4,793.0	58.01	83.630	
11,300.0	8,720.0	5,782.5	5,781.7	68.2	20.7	-93.25	-325.7	-6,621.2	4,754.0	4,695.5	58.47	81.303	
11,400.0	8,720.0	5,781.3	5,780.6	70.4	20.7	-93.19	-325.7	-6,621.2	4,657.1	4,598.2	58.97	78.970	
11,500.0	8,720.0	5,780.2	5,779.4	72.6	20.7	-93.14	-325.7	-6,621.2	4,560.4	4,500.9	59.51	76.630	
11,600.0	8,720.0	5,779.0	5,778.3	74.8	20.7	-93.08	-325.7	-6,621.2	4,463.8	4,403.7	60.09	74.286	
11,700.0	8,720.0	5,777.9	5,777.1	77.0	20.7	-93.02	-325.7	-6,621.2	4,367.4	4,306.7	60.71	71.938	
11,800.0	8,720.0	5,776.7	5,776.0	79.2	20.7	-92.97	-325.8	-6,621.3	4,271.1	4,209.7	61.38	69.590	
11,900.0	8,720.0	5,775.6	5,774.8	81.5	20.7	-92.91	-325.8	-6,621.3	4,175.0	4,112.9	62.09	67.242	
12,000.0	8,720.0	5,774.4	5,773.7	83.7	20.7	-92.85	-325.8	-6,621.3	4,079.1	4,016.3	62.86	64.897	
12,100.0	8,720.0	5,773.3	5,772.5	86.0	20.7	-92.80	-325.8	-6,621.3	3,983.4	3,919.7	63.68	62.556	
12,200.0	8,720.0	5,772.1	5,771.4	88.3	20.7	-92.74	-325.8	-6,621.3	3,887.9	3,823.4	64.56	60.223	
12,300.0	8,720.0	5,771.0	5,770.2	90.5	20.7	-92.69	-325.8	-6,621.3	3,792.7	3,727.2	65.50	57.899	
12,400.0	8,720.0	5,769.8	5,769.1	92.8	20.7	-92.63	-325.8	-6,621.3	3,697.7	3,631.1	66.52	55.587	
12,500.0	8,720.0	5,768.7	5,767.9	95.1	20.7	-92.57	-325.8	-6,621.3	3,602.9	3,535.3	67.61	53.290	
12,600.0	8,720.0	5,767.5	5,766.7	97.4	20.7	-92.52	-325.9	-6,621.4	3,508.5	3,439.7	68.78	51.011	
12,700.0	8,720.0	5,766.3	5,765.6	99.8	20.7	-92.46	-325.9	-6,621.4	3,414.3	3,344.3	70.03	48.752	
12,800.0	8,720.0	5,765.2	5,764.4	102.1	20.7	-92.40	-325.9	-6,621.4	3,320.6	3,249.2	71.38	46.518	
12,900.0	8,720.0	5,764.0	5,763.3	104.4	20.7	-92.35	-325.9	-6,621.4	3,227.1	3,154.3	72.83	44.310	
13,000.0	8,720.0	5,762.9	5,762.1	106.7	20.7	-92.29	-325.9	-6,621.4	3,134.1	3,059.7	74.39	42.133	
13,100.0	8,720.0	5,761.7	5,761.0	109.1	20.7	-92.23	-325.9	-6,621.4	3,041.6	2,965.5	76.06	39.989	
13,200.0	8,720.0	5,760.6	5,759.8	111.4	20.7	-92.18	-325.9	-6,621.4	2,949.5	2,871.6	77.86	37.882	
13,300.0	8,720.0	5,759.4	5,758.7	113.8	20.7	-92.12	-326.0	-6,621.5	2,857.9	2,778.1	79.79	35.816	
13,400.0	8,720.0	5,758.3	5,757.5	116.1	20.7	-92.06	-326.0	-6,621.5	2,767.0	2,685.1	81.88	33.794	
13,500.0	8,720.0	5,757.1	5,756.4	118.5	20.7	-92.01	-326.0	-6,621.5	2,676.7	2,592.5	84.12	31.820	
13,600.0	8,720.0	5,756.0	5,755.2	120.8	20.6	-91.95	-326.0	-6,621.5	2,587.1	2,500.5	86.53	29.897	
13,700.0	8,720.0	5,754.8	5,754.1	123.2	20.6	-91.90	-326.0	-6,621.5	2,498.2	2,409.1	89.13	28.028	
13,800.0	8,720.0	5,753.7	5,752.9	125.6	20.6	-91.84	-326.0	-6,621.5	2,410.3	2,318.4	91.94	26.217	
13,900.0	8,720.0	5,752.5	5,751.8	127.9	20.6	-91.78	-326.0	-6,621.5	2,323.3	2,228.4	94.96	24.467	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake '15' #1 - Wellbore #1 - Design #1 — **Offset Site Error:** 0.0 usft

Survey Program: 0-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,000.0	8,720.0	5,751.4	5,750.6	130.3	20.6	-91.73	-326.0	-6,621.5	2,237.4	2,139.2	98.21	22.781	
14,100.0	8,720.0	5,750.2	5,749.5	132.7	20.6	-91.67	-326.1	-6,621.6	2,152.8	2,051.1	101.72	21.163	
14,200.0	8,720.0	5,749.1	5,748.3	135.1	20.6	-91.61	-326.1	-6,621.6	2,069.5	1,964.0	105.50	19.615	
14,300.0	8,720.0	5,747.9	5,747.2	137.4	20.6	-91.56	-326.1	-6,621.6	1,987.7	1,878.2	109.57	18.141	
14,400.0	8,720.0	5,746.8	5,746.0	139.8	20.6	-91.50	-326.1	-6,621.6	1,907.7	1,793.8	113.95	16.742	
14,500.0	8,720.0	5,745.6	5,744.9	142.2	20.6	-91.44	-326.1	-6,621.6	1,829.7	1,711.0	118.64	15.421	
14,600.0	8,720.0	5,744.5	5,743.7	144.6	20.6	-91.39	-326.1	-6,621.6	1,753.9	1,630.2	123.67	14.181	
14,700.0	8,720.0	5,743.3	5,742.6	147.0	20.6	-91.33	-326.1	-6,621.6	1,680.6	1,551.5	129.04	13.024	
14,800.0	8,720.0	5,742.2	5,741.4	149.4	20.6	-91.27	-326.1	-6,621.7	1,610.2	1,475.4	134.74	11.951	
14,900.0	8,720.0	5,741.0	5,740.3	151.8	20.6	-91.22	-326.2	-6,621.7	1,543.0	1,402.3	140.75	10.963	
15,000.0	8,720.0	5,739.9	5,739.1	154.2	20.6	-91.16	-326.2	-6,621.7	1,479.6	1,332.6	147.03	10.063	
15,100.0	8,720.0	5,738.7	5,738.0	156.6	20.6	-91.11	-326.2	-6,621.7	1,420.4	1,266.9	153.54	9.251	
15,200.0	8,720.0	5,737.6	5,736.8	159.0	20.6	-91.05	-326.2	-6,621.7	1,365.9	1,205.8	160.17	8.528	
15,300.0	8,720.0	5,736.4	5,735.7	161.4	20.6	-90.99	-326.2	-6,621.7	1,316.8	1,150.0	166.81	7.894	
15,400.0	8,720.0	5,735.3	5,734.5	163.8	20.6	-90.94	-326.2	-6,621.7	1,273.7	1,100.4	173.30	7.350	
15,500.0	8,720.0	5,734.1	5,733.4	166.2	20.6	-90.88	-326.2	-6,621.7	1,237.2	1,057.8	179.44	6.895	
15,600.0	8,720.0	5,733.0	5,732.2	168.6	20.6	-90.82	-326.2	-6,621.8	1,207.9	1,022.8	185.03	6.528	
15,700.0	8,720.0	5,731.8	5,731.1	171.0	20.6	-90.77	-326.3	-6,621.8	1,186.3	996.4	189.83	6.249	
15,800.0	8,720.0	5,730.7	5,729.9	173.4	20.6	-90.71	-326.3	-6,621.8	1,172.8	979.2	193.65	6.056	
15,900.0	8,720.0	5,729.5	5,728.8	175.8	20.6	-90.65	-326.3	-6,621.8	1,167.8	971.5	196.33	5.948	
15,908.6	8,720.0	5,729.4	5,728.7	176.0	20.6	-90.65	-326.3	-6,621.8	1,167.8	971.3	196.51	5.943	CC, ES
16,000.0	8,720.0	5,728.4	5,727.6	178.2	20.5	-90.60	-326.3	-6,621.8	1,171.3	973.6	197.78	5.922	SF
16,100.0	8,720.0	5,727.2	5,726.5	180.6	20.5	-90.54	-326.3	-6,621.8	1,183.3	985.3	198.00	5.977	
16,200.0	8,720.0	5,726.1	5,725.3	183.0	20.5	-90.48	-326.3	-6,621.8	1,203.6	1,006.5	197.04	6.108	
16,300.0	8,720.0	5,724.9	5,724.2	185.5	20.5	-90.43	-326.3	-6,621.9	1,231.6	1,036.6	195.04	6.315	
16,400.0	8,720.0	5,723.8	5,723.0	187.9	20.5	-90.37	-326.4	-6,621.9	1,266.9	1,074.7	192.17	6.593	
16,500.0	8,720.0	5,722.6	5,721.9	190.3	20.5	-90.31	-326.4	-6,621.9	1,308.9	1,120.3	188.64	6.939	
16,600.0	8,720.0	5,721.5	5,720.7	192.7	20.5	-90.26	-326.4	-6,621.9	1,357.1	1,172.4	184.62	7.350	
16,700.0	8,720.0	5,720.3	5,719.6	195.1	20.5	-90.20	-326.4	-6,621.9	1,410.6	1,230.3	180.30	7.824	
16,800.0	8,720.0	5,719.2	5,718.4	197.5	20.5	-90.15	-326.4	-6,621.9	1,469.0	1,293.2	175.81	8.356	
16,900.0	8,720.0	5,718.0	5,717.3	200.0	20.5	-90.09	-326.4	-6,621.9	1,531.8	1,360.5	171.26	8.944	
17,000.0	8,720.0	5,716.9	5,716.1	202.4	20.5	-90.03	-326.4	-6,621.9	1,598.3	1,431.6	166.75	9.585	
17,100.0	8,720.0	5,715.7	5,715.0	204.8	20.5	-89.98	-326.4	-6,622.0	1,668.2	1,505.8	162.35	10.275	
17,200.0	8,720.0	5,714.6	5,713.8	207.2	20.5	-89.92	-326.5	-6,622.0	1,741.0	1,582.9	158.09	11.013	
17,300.0	8,720.0	5,713.4	5,712.7	209.6	20.5	-89.86	-326.5	-6,622.0	1,816.4	1,662.4	154.01	11.794	
17,400.0	8,720.0	5,712.3	5,711.5	212.1	20.5	-89.81	-326.5	-6,622.0	1,894.1	1,744.0	150.12	12.617	
17,500.0	8,720.0	5,711.1	5,710.4	214.5	20.5	-89.75	-326.5	-6,622.0	1,973.8	1,827.3	146.42	13.480	
17,600.0	8,720.0	5,710.0	5,709.2	216.9	20.5	-89.69	-326.5	-6,622.0	2,055.2	1,912.3	142.93	14.379	
17,700.0	8,720.0	5,708.8	5,708.1	219.3	20.5	-89.64	-326.5	-6,622.0	2,138.3	1,998.6	139.64	15.313	
17,800.0	8,720.0	5,707.7	5,706.9	221.8	20.5	-89.58	-326.5	-6,622.1	2,222.7	2,086.2	136.53	16.280	
17,900.0	8,720.0	5,706.5	5,705.8	224.2	20.5	-89.52	-326.5	-6,622.1	2,308.4	2,174.8	133.61	17.277	
18,000.0	8,720.0	5,705.4	5,704.6	226.6	20.5	-89.47	-326.6	-6,622.1	2,395.2	2,264.3	130.86	18.303	
18,100.0	8,720.0	5,704.2	5,703.5	229.1	20.5	-89.41	-326.6	-6,622.1	2,483.0	2,354.7	128.28	19.356	
18,200.0	8,720.0	5,703.1	5,702.3	231.5	20.5	-89.36	-326.6	-6,622.1	2,571.6	2,445.8	125.85	20.435	
18,300.0	8,720.0	5,701.9	5,701.2	233.9	20.5	-89.30	-326.6	-6,622.1	2,661.1	2,537.6	123.56	21.537	
18,400.0	8,720.0	5,700.8	5,700.0	236.3	20.5	-89.24	-326.6	-6,622.1	2,751.3	2,629.9	121.41	22.662	
18,500.0	8,720.0	5,700.4	5,698.9	238.8	20.4	-89.19	-326.6	-6,622.1	2,842.2	2,722.8	119.39	23.807	
18,600.0	8,720.0	5,701.5	5,697.7	241.2	20.5	-89.13	-326.6	-6,622.2	2,933.6	2,816.1	117.48	24.970	
18,700.0	8,720.0	5,702.7	5,696.6	243.6	20.5	-89.07	-326.6	-6,622.2	3,025.6	2,909.9	115.69	26.152	
18,800.0	8,720.0	5,703.8	5,695.4	246.1	20.5	-89.02	-326.7	-6,622.2	3,118.1	3,004.1	114.01	27.350	
18,900.0	8,720.0	5,705.0	5,694.3	248.5	20.5	-88.96	-326.7	-6,622.2	3,211.0	3,098.6	112.41	28.565	
19,000.0	8,720.0	5,706.2	5,693.1	250.9	20.5	-88.90	-326.7	-6,622.2	3,304.4	3,193.5	110.91	29.794	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake '15' #1 - Wellbore #1 - Design #1

Survey Program: 0-MWD

Offset Site Error: 0.0 usft

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,100.0	8,720.0	5,707.3	5,692.0	253.4	20.5	-88.85	-326.7	-6,622.2	3,398.1	3,288.6	109.48	31.038	
19,176.7	8,720.0	5,708.2	5,691.1	255.2	20.5	-88.80	-326.7	-6,622.2	3,470.2	3,361.8	108.44	32.000	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake WA 15 #1H - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 usft

Survey Program: 403-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	23.7	23.7	0.0	0.0	-77.48	996.4	-4,487.8	4,597.0				
100.0	100.0	176.8	176.8	0.1	0.3	-77.46	997.6	-4,486.3	4,596.3	4,595.8	0.44	N/A	
200.0	200.0	329.8	329.7	0.5	0.6	-77.42	1,000.5	-4,482.7	4,594.4	4,593.3	1.05	4,371.224	
300.0	300.0	482.5	482.2	0.8	0.8	-77.34	1,005.3	-4,476.8	4,591.3	4,589.6	1.67	2,752.662	
400.0	400.0	495.0	494.7	1.2	1.0	72.11	1,005.5	-4,477.1	4,589.1	4,586.9	2.20	2,083.549	
424.5	424.5	515.5	515.2	1.3	1.1	72.13	1,006.1	-4,476.6	4,588.5	4,586.1	2.36	1,945.682	
500.0	500.0	561.9	561.6	1.5	1.3	72.15	1,007.1	-4,475.8	4,587.0	4,584.2	2.78	1,649.060	
600.0	599.9	614.2	613.9	1.9	1.4	72.18	1,007.7	-4,475.3	4,585.8	4,582.5	3.31	1,384.276	
652.9	652.8	638.1	637.8	2.1	1.5	72.18	1,007.8	-4,475.4	4,585.6	4,582.0	3.58	1,280.616	
700.0	699.9	659.4	659.1	2.2	1.6	72.19	1,007.8	-4,475.6	4,585.8	4,581.9	3.82	1,200.613	
800.0	799.9	710.1	709.8	2.6	1.8	72.19	1,007.5	-4,476.6	4,586.9	4,582.5	4.34	1,055.841	
900.0	899.9	772.0	771.7	2.9	2.0	72.19	1,006.7	-4,478.6	4,589.0	4,584.1	4.90	935.602	
1,000.0	999.9	889.8	889.3	3.3	2.4	72.20	1,005.5	-4,482.7	4,591.5	4,585.9	5.66	811.258	
1,100.0	1,099.8	1,012.6	1,012.2	3.7	2.8	72.22	1,004.9	-4,485.7	4,593.1	4,586.6	6.44	713.006	
1,200.0	1,199.8	1,150.9	1,150.4	4.0	3.3	72.24	1,004.5	-4,488.4	4,594.3	4,587.1	7.28	630.795	
1,300.0	1,299.8	1,247.4	1,246.9	4.4	3.6	72.26	1,004.6	-4,489.9	4,595.2	4,587.2	7.98	575.692	
1,400.0	1,399.8	1,386.6	1,386.1	4.7	4.1	72.30	1,004.8	-4,491.5	4,595.7	4,586.9	8.83	520.315	
1,475.7	1,475.5	1,476.2	1,475.7	5.0	4.4	72.31	1,004.4	-4,492.0	4,595.5	4,586.1	9.42	487.901	
1,500.0	1,499.7	1,502.6	1,502.1	5.1	4.5	72.31	1,004.2	-4,492.1	4,595.4	4,585.8	9.60	478.756	
1,532.2	1,531.9	1,531.4	1,530.8	5.2	4.6	72.32	1,004.0	-4,492.2	4,595.4	4,585.6	9.81	468.357	
1,600.3	1,600.0	1,592.4	1,591.9	5.4	4.8	-77.10	1,003.9	-4,492.5	4,595.6	4,585.3	10.26	447.777	
1,700.0	1,699.7	1,724.8	1,724.2	5.8	5.3	-119.44	1,003.6	-4,492.7	4,596.0	4,585.0	11.06	415.651	
1,800.0	1,799.7	1,812.7	1,812.2	6.1	5.6	-119.45	1,003.5	-4,492.6	4,597.2	4,585.5	11.70	393.063	
1,900.0	1,899.6	1,898.9	1,898.4	6.4	5.9	-119.47	1,003.7	-4,492.9	4,599.7	4,587.4	12.33	372.984	
2,000.0	1,999.4	2,032.8	2,032.3	6.8	6.4	-119.54	1,003.5	-4,492.6	4,602.4	4,589.3	13.13	350.396	
2,100.0	2,099.1	2,176.9	2,176.4	7.1	6.9	-119.65	1,002.2	-4,491.9	4,605.6	4,591.7	13.97	329.579	
2,200.0	2,198.6	2,285.0	2,284.5	7.5	7.2	-119.74	1,001.2	-4,490.3	4,608.8	4,594.1	14.69	313.676	
2,300.0	2,298.0	2,350.0	2,349.4	7.8	7.5	-119.78	1,000.8	-4,489.6	4,613.3	4,598.0	15.27	302.150	
2,400.0	2,397.1	2,430.1	2,429.5	8.2	7.7	-119.85	1,000.2	-4,489.3	4,619.2	4,603.3	15.90	290.492	
2,500.0	2,496.0	2,549.9	2,549.3	8.5	8.2	-119.99	999.0	-4,488.8	4,626.0	4,609.3	16.68	277.349	
2,600.0	2,594.7	2,618.6	2,618.1	8.9	8.4	-120.05	998.6	-4,488.5	4,633.9	4,616.6	17.29	268.073	
2,697.6	2,690.7	2,842.1	2,841.5	9.3	9.2	-120.41	998.5	-4,485.1	4,641.5	4,623.1	18.42	251.916	
2,700.0	2,693.0	2,847.6	2,847.0	9.3	9.2	-120.42	998.5	-4,484.9	4,641.6	4,623.2	18.45	251.542	
2,800.0	2,791.2	2,800.0	3,071.3	9.7	9.0	-120.77	1,005.2	-4,473.3	4,646.8	4,628.1	18.65	249.149	
2,900.0	2,889.3	3,252.2	3,250.3	10.1	10.6	-120.98	1,014.8	-4,458.7	4,649.4	4,628.8	20.59	225.778	
3,000.0	2,987.5	3,356.3	3,353.8	10.5	11.0	-121.09	1,021.2	-4,449.4	4,651.8	4,630.4	21.35	217.906	
3,100.0	3,085.7	3,446.4	3,443.4	10.9	11.3	-121.18	1,027.1	-4,441.4	4,654.2	4,632.1	22.06	210.952	
3,200.0	3,183.8	3,554.8	3,551.0	11.3	11.7	-121.28	1,035.2	-4,431.6	4,656.7	4,633.9	22.84	203.850	
3,300.0	3,282.0	3,300.0	3,664.2	11.7	10.8	-121.37	1,045.0	-4,420.6	4,658.8	4,636.5	22.32	208.687	
3,400.0	3,380.2	3,729.7	3,724.3	12.1	12.3	-121.40	1,051.1	-4,414.8	4,661.3	4,637.0	24.28	191.943	
3,500.0	3,478.4	3,791.1	3,785.1	12.6	12.6	-121.43	1,058.1	-4,409.3	4,664.6	4,639.7	24.92	187.162	
3,600.0	3,576.5	3,853.0	3,846.2	13.0	12.8	-121.44	1,066.3	-4,404.0	4,668.7	4,643.1	25.56	182.623	
3,700.0	3,674.7	3,918.1	3,910.4	13.4	13.1	-121.44	1,075.8	-4,398.8	4,673.6	4,647.4	26.22	178.231	
3,800.0	3,772.9	3,976.9	3,968.3	13.8	13.3	-121.44	1,085.2	-4,394.5	4,679.3	4,652.5	26.86	174.227	
3,900.0	3,871.1	4,042.0	4,032.4	14.3	13.5	-121.43	1,095.8	-4,390.3	4,686.0	4,658.4	27.52	170.286	
4,000.0	3,969.2	4,090.2	4,079.9	14.7	13.7	-121.43	1,103.5	-4,387.7	4,693.5	4,665.4	28.11	166.947	
4,100.0	4,067.4	4,149.8	4,138.7	15.1	13.9	-121.43	1,112.7	-4,385.0	4,702.0	4,673.2	28.75	163.537	
4,200.0	4,165.6	4,226.0	4,214.1	15.6	14.2	-121.44	1,123.8	-4,382.2	4,711.1	4,681.6	29.45	159.944	
4,300.0	4,263.7	4,288.4	4,275.8	16.0	14.5	-121.46	1,132.5	-4,380.4	4,720.8	4,690.7	30.10	156.832	
4,400.0	4,361.9	4,353.3	4,340.1	16.5	14.7	-121.48	1,141.0	-4,379.2	4,731.3	4,700.6	30.76	153.834	
4,500.0	4,460.1	4,420.0	4,406.3	16.9	14.9	-121.50	1,149.8	-4,378.3	4,742.5	4,711.1	31.42	150.951	
4,600.0	4,558.3	4,493.3	4,478.9	17.4	15.2	-121.54	1,159.2	-4,377.9	4,754.3	4,722.2	32.11	148.086	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake WA 15 #1H - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 usft

Survey Program: 403-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.0	4,656.4	4,563.7	4,548.8	17.8	15.5	-121.57	1,168.0	-4,377.9	4,766.7	4,733.9	32.78	145.418	
4,800.0	4,754.6	4,634.7	4,619.3	18.2	15.7	-121.61	1,176.4	-4,378.5	4,779.7	4,746.2	33.45	142.875	
4,900.0	4,852.8	4,703.0	4,687.2	18.7	16.0	-121.66	1,184.1	-4,379.5	4,793.3	4,759.2	34.11	140.504	
5,000.0	4,950.9	4,780.8	4,764.5	19.1	16.3	-121.71	1,192.3	-4,381.2	4,807.4	4,772.6	34.81	138.092	
5,100.0	5,049.1	4,853.7	4,837.1	19.6	16.5	-121.78	1,199.4	-4,383.3	4,822.0	4,786.5	35.49	135.879	
5,200.0	5,147.3	4,954.0	4,937.0	20.0	16.9	-121.88	1,208.0	-4,386.7	4,837.1	4,800.8	36.28	133.340	
5,300.0	5,245.5	5,085.4	5,067.9	20.5	17.4	-122.03	1,217.2	-4,391.0	4,851.6	4,814.4	37.19	130.452	
5,400.0	5,343.6	5,238.8	5,221.1	20.9	17.9	-122.25	1,224.6	-4,394.8	4,865.1	4,826.9	38.19	127.407	
5,500.0	5,441.8	5,374.3	5,356.4	21.4	18.4	-122.46	1,228.9	-4,397.5	4,878.0	4,838.9	39.10	124.758	
5,600.0	5,540.0	5,489.6	5,471.7	21.8	18.8	-122.66	1,231.2	-4,399.3	4,890.2	4,850.3	39.93	122.474	
5,700.0	5,638.1	5,931.0	5,912.3	22.3	20.4	-123.27	1,247.5	-4,386.9	4,897.1	4,855.1	41.98	116.661	
5,800.0	5,736.3	6,002.7	5,983.8	22.8	20.6	-123.35	1,252.3	-4,382.5	4,902.6	4,859.9	42.67	114.895	
5,900.0	5,834.5	6,063.9	6,044.7	23.2	20.9	-123.41	1,256.4	-4,379.2	4,908.8	4,865.4	43.32	113.305	
6,000.0	5,932.7	6,120.0	6,100.6	23.7	21.1	-123.46	1,260.3	-4,376.6	4,915.8	4,871.9	43.96	111.837	
6,100.0	6,030.8	6,183.9	6,164.3	24.1	21.3	-123.52	1,265.0	-4,374.1	4,923.7	4,879.1	44.61	110.362	
6,200.0	6,129.0	6,215.0	6,195.3	24.6	21.4	-123.55	1,267.4	-4,373.0	4,932.4	4,887.3	45.14	109.267	
6,300.0	6,227.2	6,300.4	6,280.4	25.0	21.7	-123.63	1,274.3	-4,370.8	4,941.8	4,895.9	45.88	107.706	
6,400.0	6,325.3	6,357.1	6,336.9	25.5	22.0	-123.67	1,279.2	-4,369.9	4,952.1	4,905.6	46.50	106.486	
6,500.0	6,423.5	6,414.9	6,394.4	25.9	22.2	-123.72	1,284.4	-4,369.4	4,963.3	4,916.2	47.13	105.314	
6,600.0	6,521.7	6,478.4	6,457.6	26.4	22.4	-123.77	1,290.2	-4,369.4	4,975.3	4,927.5	47.77	104.142	
6,700.0	6,619.9	6,540.9	6,519.9	26.9	22.6	-123.82	1,296.0	-4,369.9	4,988.0	4,939.5	48.41	103.031	
6,800.0	6,718.0	6,608.0	6,586.7	27.3	22.9	-123.87	1,302.3	-4,370.8	5,001.4	4,952.3	49.07	101.931	
6,900.0	6,816.2	6,840.5	6,818.9	27.8	23.7	-124.22	1,309.1	-4,374.3	5,014.4	4,964.1	50.37	99.550	
7,000.0	6,914.4	6,954.9	6,933.4	28.2	24.1	-124.43	1,308.9	-4,374.4	5,025.3	4,974.1	51.18	98.187	
7,100.0	7,012.5	7,049.8	7,028.3	28.7	24.4	-124.60	1,308.5	-4,374.4	5,036.2	4,984.3	51.92	97.004	
7,200.0	7,110.7	7,147.5	7,126.0	29.1	24.7	-124.78	1,308.3	-4,374.4	5,047.2	4,994.5	52.66	95.837	
7,300.0	7,208.9	7,229.3	7,207.8	29.6	25.0	-124.93	1,308.1	-4,374.5	5,058.3	5,005.0	53.35	94.810	
7,400.0	7,307.1	7,334.0	7,312.5	30.1	25.4	-125.12	1,307.9	-4,374.9	5,069.7	5,015.6	54.13	93.662	
7,500.0	7,405.2	7,437.3	7,415.8	30.5	25.7	-125.30	1,307.8	-4,375.1	5,081.0	5,026.1	54.90	92.553	
7,514.9	7,419.9	7,456.0	7,434.5	30.6	25.8	-125.34	1,307.7	-4,375.1	5,082.6	5,027.6	55.03	92.369	
7,600.0	7,503.6	7,559.6	7,538.0	31.0	26.1	-125.62	1,307.6	-4,374.8	5,091.3	5,035.6	55.74	91.345	
7,700.0	7,602.4	7,634.6	7,613.1	31.4	26.4	-125.83	1,307.7	-4,374.7	5,100.4	5,044.0	56.39	90.454	
7,800.0	7,701.5	7,759.1	7,737.5	31.8	26.8	-126.07	1,307.6	-4,374.3	5,107.7	5,050.5	57.21	89.283	
7,900.0	7,801.0	7,848.3	7,826.7	32.2	27.1	-126.23	1,307.3	-4,374.2	5,113.6	5,055.7	57.88	88.351	
8,000.0	7,900.7	7,948.6	7,927.1	32.6	27.4	-126.35	1,307.3	-4,373.9	5,117.9	5,059.3	58.58	87.369	
8,100.0	8,000.5	8,037.4	8,015.9	32.9	27.7	-126.43	1,307.1	-4,373.9	5,120.9	5,061.7	59.22	86.474	
8,200.0	8,100.5	8,141.2	8,119.7	33.2	28.1	-126.48	1,306.8	-4,373.8	5,122.3	5,062.4	59.90	85.511	
8,246.5	8,147.0	8,178.3	8,156.8	33.4	28.2	-84.15	1,306.8	-4,373.8	5,122.5	5,062.3	60.17	85.130	
8,250.0	8,150.5	8,181.1	8,159.5	33.4	28.2	5.41	1,306.8	-4,373.8	5,122.5	5,062.3	60.19	85.102	
8,300.0	8,200.4	8,228.1	8,206.6	33.5	28.4	5.43	1,306.8	-4,373.9	5,120.1	5,059.6	60.50	84.633	
8,350.0	8,249.9	8,281.9	8,260.4	33.6	28.6	5.50	1,306.7	-4,374.0	5,113.4	5,052.5	60.82	84.071	
8,400.0	8,298.7	8,339.3	8,317.8	33.7	28.8	5.63	1,306.6	-4,374.0	5,102.3	5,041.2	61.15	83.440	
8,450.0	8,346.2	8,396.6	8,375.1	33.8	29.0	5.80	1,306.4	-4,373.9	5,087.0	5,025.5	61.47	82.761	
8,500.0	8,392.3	8,441.1	8,419.5	33.9	29.1	6.04	1,306.3	-4,373.8	5,067.5	5,005.8	61.72	82.103	
8,550.0	8,436.5	8,484.9	8,463.4	33.9	29.3	6.35	1,306.1	-4,373.7	5,044.2	4,982.2	61.96	81.406	
8,600.0	8,478.5	8,531.5	8,510.0	34.0	29.4	6.76	1,305.9	-4,373.6	5,017.1	4,954.9	62.20	80.657	
8,650.0	8,518.0	8,575.2	8,553.7	34.0	29.6	7.28	1,305.8	-4,373.5	4,986.4	4,924.0	62.42	79.886	
8,700.0	8,554.6	8,615.2	8,593.6	34.0	29.7	7.95	1,305.7	-4,373.3	4,952.4	4,889.8	62.61	79.099	
8,750.0	8,588.1	8,651.6	8,630.1	34.0	29.8	8.82	1,305.6	-4,373.1	4,915.4	4,852.6	62.78	78.300	
8,800.0	8,618.3	8,684.3	8,662.8	33.9	30.0	9.98	1,305.6	-4,372.9	4,875.6	4,812.6	62.92	77.492	
8,850.0	8,644.9	8,708.0	8,686.4	33.9	30.0	11.55	1,305.6	-4,372.8	4,833.3	4,770.3	63.01	76.702	
8,900.0	8,667.7	8,729.5	8,707.9	33.9	30.1	13.77	1,305.6	-4,372.7	4,788.9	4,725.8	63.09	75.901	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake WA 15 #1H - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 usft

Survey Program: 403-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,950.0	8,686.6	8,747.2	8,725.7	33.9	30.2	17.10	1,305.6	-4,372.6	4,742.8	4,679.6	63.15	75.099	
9,000.0	8,701.3	8,761.0	8,739.5	33.9	30.2	22.55	1,305.5	-4,372.6	4,695.2	4,632.0	63.19	74.299	
9,050.0	8,711.8	8,770.9	8,749.3	33.9	30.3	32.58	1,305.5	-4,372.5	4,646.5	4,583.3	63.21	73.505	
9,100.0	8,718.1	8,775.9	8,754.3	33.9	30.3	53.97	1,305.5	-4,372.5	4,597.2	4,534.0	63.21	72.723	
9,146.5	8,720.0	8,777.4	8,755.8	33.9	30.3	92.42	1,305.5	-4,372.5	4,551.0	4,487.8	63.20	72.004	
9,200.0	8,720.0	8,777.2	8,755.6	34.1	30.3	92.40	1,305.5	-4,372.5	4,497.8	4,434.6	63.19	71.183	
9,300.0	8,720.0	8,776.8	8,755.3	34.5	30.3	92.36	1,305.5	-4,372.5	4,398.4	4,335.2	63.15	69.647	
9,400.0	8,720.0	8,776.4	8,754.9	35.2	30.3	92.31	1,305.5	-4,372.5	4,299.0	4,235.9	63.12	68.107	
9,500.0	8,720.0	8,776.0	8,754.5	36.2	30.3	92.26	1,305.5	-4,372.5	4,199.6	4,136.6	63.09	66.563	
9,600.0	8,720.0	8,775.6	8,754.1	37.3	30.3	92.22	1,305.5	-4,372.5	4,100.3	4,037.3	63.07	65.016	
9,700.0	8,720.0	8,775.3	8,753.7	38.6	30.3	92.17	1,305.5	-4,372.5	4,001.0	3,938.0	63.04	63.465	
9,800.0	8,720.0	8,774.9	8,753.3	39.9	30.3	92.13	1,305.5	-4,372.5	3,901.8	3,838.8	63.02	61.910	
9,900.0	8,720.0	8,774.5	8,752.9	41.4	30.3	92.08	1,305.5	-4,372.5	3,802.6	3,739.6	63.01	60.351	
10,000.0	8,720.0	8,774.1	8,752.6	43.0	30.3	92.03	1,305.5	-4,372.5	3,703.4	3,640.4	63.00	58.787	
10,100.0	8,720.0	8,774.2	8,752.6	44.6	30.3	92.04	1,305.5	-4,372.5	3,604.3	3,541.3	62.99	57.217	
10,200.0	8,720.0	8,773.7	8,752.2	46.3	30.3	91.99	1,305.5	-4,372.5	3,505.2	3,442.2	62.99	55.644	
10,300.0	8,720.0	8,773.3	8,751.8	48.1	30.3	91.94	1,305.5	-4,372.5	3,406.2	3,343.2	63.00	54.066	
10,400.0	8,720.0	8,772.9	8,751.3	50.0	30.3	91.89	1,305.5	-4,372.5	3,307.2	3,244.2	63.02	52.481	
10,500.0	8,720.0	8,772.4	8,750.9	51.8	30.3	91.84	1,305.5	-4,372.5	3,208.3	3,145.3	63.04	50.891	
10,600.0	8,720.0	8,772.0	8,750.5	53.8	30.3	91.79	1,305.5	-4,372.5	3,109.5	3,046.4	63.08	49.294	
10,700.0	8,720.0	8,771.6	8,750.0	55.8	30.3	91.74	1,305.5	-4,372.5	3,010.7	2,947.6	63.13	47.690	
10,800.0	8,720.0	8,771.1	8,749.6	57.8	30.3	91.68	1,305.5	-4,372.5	2,912.0	2,848.8	63.20	46.079	
10,900.0	8,720.0	8,770.7	8,749.2	59.8	30.3	91.63	1,305.5	-4,372.5	2,813.5	2,750.2	63.28	44.459	
11,000.0	8,720.0	8,770.3	8,748.7	61.9	30.2	91.58	1,305.5	-4,372.5	2,715.0	2,651.6	63.39	42.830	
11,100.0	8,720.0	8,769.8	8,748.3	64.0	30.2	91.53	1,305.5	-4,372.5	2,616.6	2,553.1	63.52	41.192	
11,200.0	8,720.0	8,769.4	8,747.9	66.1	30.2	91.48	1,305.5	-4,372.5	2,518.4	2,454.7	63.69	39.543	
11,300.0	8,720.0	8,769.0	8,747.4	68.2	30.2	91.42	1,305.5	-4,372.5	2,420.3	2,356.4	63.89	37.883	
11,400.0	8,720.0	8,768.5	8,747.0	70.4	30.2	91.37	1,305.5	-4,372.5	2,322.4	2,258.3	64.14	36.211	
11,500.0	8,720.0	8,768.1	8,746.5	72.6	30.2	91.32	1,305.5	-4,372.5	2,224.7	2,160.3	64.43	34.526	
11,600.0	8,720.0	8,767.6	8,746.1	74.8	30.2	91.26	1,305.5	-4,372.5	2,127.2	2,062.4	64.80	32.828	
11,700.0	8,720.0	8,767.2	8,745.6	77.0	30.2	91.21	1,305.5	-4,372.5	2,029.9	1,964.7	65.24	31.116	
11,800.0	8,720.0	8,766.7	8,745.2	79.2	30.2	91.16	1,305.5	-4,372.5	1,932.9	1,867.1	65.77	29.390	
11,900.0	8,720.0	8,766.3	8,744.7	81.5	30.2	91.11	1,305.5	-4,372.5	1,836.2	1,769.8	66.41	27.650	
12,000.0	8,720.0	8,765.8	8,744.3	83.7	30.2	91.05	1,305.5	-4,372.5	1,739.9	1,672.7	67.19	25.895	
12,100.0	8,720.0	8,765.4	8,743.8	86.0	30.2	91.00	1,305.5	-4,372.5	1,644.0	1,575.9	68.14	24.129	
12,200.0	8,720.0	8,764.9	8,743.4	88.3	30.2	90.94	1,305.5	-4,372.5	1,548.7	1,479.4	69.29	22.352	
12,300.0	8,720.0	8,764.5	8,742.9	90.5	30.2	90.89	1,305.5	-4,372.5	1,454.0	1,383.3	70.69	20.569	
12,400.0	8,720.0	8,764.0	8,742.5	92.8	30.2	90.84	1,305.5	-4,372.5	1,360.0	1,287.6	72.39	18.786	
12,500.0	8,720.0	8,763.6	8,742.0	95.1	30.2	90.78	1,305.5	-4,372.5	1,267.0	1,192.5	74.48	17.011	
12,600.0	8,720.0	8,763.1	8,741.6	97.4	30.2	90.73	1,305.5	-4,372.5	1,175.1	1,098.1	77.03	15.255	
12,700.0	8,720.0	8,762.7	8,741.1	99.8	30.2	90.67	1,305.5	-4,372.5	1,084.7	1,004.5	80.16	13.531	
12,800.0	8,720.0	8,762.2	8,740.7	102.1	30.2	90.62	1,305.5	-4,372.6	996.0	912.0	84.00	11.857	
12,900.0	8,720.0	8,761.7	8,740.2	104.4	30.2	90.57	1,305.5	-4,372.6	909.8	821.1	88.71	10.255	
13,000.0	8,720.0	8,761.3	8,739.7	106.7	30.2	90.51	1,305.5	-4,372.6	826.6	732.1	94.48	8.749	
13,100.0	8,720.0	8,760.8	8,739.3	109.1	30.2	90.46	1,305.5	-4,372.6	747.6	646.1	101.47	7.367	
13,200.0	8,720.0	8,760.4	8,738.8	111.4	30.2	90.40	1,305.5	-4,372.6	674.2	564.3	109.83	6.138	
13,300.0	8,720.0	8,759.9	8,738.4	113.8	30.2	90.34	1,305.5	-4,372.6	608.3	488.8	119.52	5.090	
13,400.0	8,720.0	8,759.4	8,737.9	116.1	30.2	90.29	1,305.5	-4,372.6	552.9	422.8	130.09	4.250	
13,500.0	8,720.0	8,759.0	8,737.4	118.5	30.2	90.23	1,305.5	-4,372.6	511.2	370.7	140.43	3.640	
13,600.0	8,720.0	8,758.5	8,737.0	120.8	30.2	90.18	1,305.5	-4,372.6	486.7	338.0	148.72	3.273	
13,672.0	8,720.0	8,758.2	8,736.6	122.5	30.2	90.14	1,305.5	-4,372.6	481.3	329.0	152.31	3.160	CC, ES
13,700.0	8,720.0	8,758.0	8,736.5	123.2	30.2	90.12	1,305.5	-4,372.6	482.2	329.1	153.04	3.151	SF

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake WA 15 #1H - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 usft

Survey Program: 403-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.0	8,720.0	8,757.6	8,736.0	125.6	30.2	90.07	1,305.5	-4,372.6	498.1	345.5	152.61	3.264	
13,900.0	8,720.0	8,757.1	8,735.5	127.9	30.2	90.01	1,305.5	-4,372.6	532.6	384.3	148.29	3.592	
14,000.0	8,720.0	8,756.6	8,735.1	130.3	30.2	89.95	1,305.5	-4,372.6	582.5	440.7	141.78	4.108	
14,100.0	8,720.0	8,756.1	8,734.6	132.7	30.2	89.90	1,305.5	-4,372.6	644.1	509.5	134.59	4.786	
14,200.0	8,720.0	8,755.7	8,734.1	135.1	30.2	89.84	1,305.5	-4,372.6	714.5	586.8	127.64	5.597	
14,300.0	8,720.0	8,755.2	8,733.6	137.4	30.2	89.78	1,305.5	-4,372.6	791.2	669.9	121.36	6.520	
14,400.0	8,720.0	8,754.7	8,733.2	139.8	30.2	89.73	1,305.5	-4,372.6	872.7	756.9	115.85	7.533	
14,500.0	8,720.0	10,251.9	9,574.4	142.2	37.7	151.50	1,286.2	-5,229.2	955.0	856.6	98.41	9.704	
14,600.0	8,720.0	10,349.6	9,573.0	144.6	38.9	151.66	1,283.3	-5,326.8	952.0	852.0	100.08	9.513	
14,700.0	8,720.0	10,434.0	9,571.8	147.0	40.0	151.69	1,282.7	-5,411.1	950.0	848.0	101.98	9.316	
14,733.3	8,720.0	10,456.8	9,571.7	147.8	40.3	151.69	1,282.7	-5,434.0	949.8	847.2	102.60	9.257	
14,800.0	8,720.0	10,502.7	9,572.4	149.4	41.0	151.72	1,282.9	-5,479.9	950.5	846.7	103.80	9.158	
14,900.0	8,720.0	10,596.6	9,575.4	151.8	42.4	151.82	1,283.5	-5,573.7	953.3	847.6	105.68	9.021	
15,000.0	8,720.0	10,700.8	9,578.3	154.2	44.0	151.87	1,284.7	-5,677.9	956.0	848.2	107.76	8.871	
15,100.0	8,720.0	10,832.8	9,579.5	156.6	46.2	151.92	1,285.4	-5,809.9	956.6	846.5	110.10	8.689	
15,200.0	8,720.0	10,944.6	9,577.3	159.0	48.1	151.88	1,285.9	-5,921.7	954.8	842.2	112.53	8.484	
15,300.0	8,720.0	11,033.7	9,575.3	161.4	49.7	151.81	1,286.8	-6,010.7	952.9	837.9	114.92	8.291	
15,348.1	8,720.0	11,071.9	9,574.8	162.5	50.4	151.78	1,287.6	-6,048.9	952.6	836.6	116.05	8.209	
15,400.0	8,720.0	11,119.2	9,574.6	163.8	51.3	151.73	1,288.7	-6,096.2	952.8	835.4	117.35	8.119	
15,500.0	8,720.0	11,223.8	9,573.9	166.2	53.3	151.58	1,291.9	-6,200.7	953.3	833.2	120.10	7.937	
15,595.7	8,720.0	11,319.6	9,571.7	168.5	55.1	151.35	1,295.9	-6,296.4	952.9	829.9	123.00	7.747	
15,600.0	8,720.0	11,323.2	9,571.6	168.6	55.2	151.34	1,296.1	-6,300.1	952.9	829.8	123.12	7.739	
15,700.0	8,720.0	11,409.2	9,570.2	171.0	56.9	151.09	1,300.7	-6,385.9	953.7	827.7	126.08	7.565	
15,800.0	8,720.0	11,503.0	9,570.6	173.4	58.7	150.92	1,304.9	-6,479.6	955.8	826.9	128.92	7.414	
15,900.0	8,720.0	11,604.8	9,571.1	175.8	60.8	150.77	1,308.8	-6,581.4	957.8	826.0	131.83	7.266	
16,000.0	8,720.0	11,712.0	9,572.8	178.2	63.0	150.75	1,310.9	-6,688.5	959.8	825.3	134.46	7.138	
16,100.0	8,720.0	11,824.9	9,575.2	180.6	65.3	151.00	1,308.3	-6,801.4	960.1	823.7	136.38	7.040	
16,200.0	8,720.0	11,959.5	9,575.6	183.0	68.1	151.26	1,304.5	-6,935.8	958.7	820.4	138.40	6.927	
16,300.0	8,720.0	12,066.3	9,571.5	185.5	70.4	151.27	1,302.9	-7,042.6	954.3	813.4	140.92	6.772	
16,400.0	8,720.0	12,142.0	9,569.8	187.9	72.0	151.29	1,302.2	-7,118.2	951.4	808.2	143.25	6.642	
16,500.0	8,720.0	12,229.1	9,570.2	190.3	73.8	151.43	1,300.4	-7,205.3	950.5	805.2	145.26	6.544	
16,600.0	8,720.0	12,325.6	9,572.0	192.7	75.9	151.69	1,297.3	-7,301.7	950.2	803.3	146.96	6.466	
16,700.0	8,720.0	12,451.7	9,572.5	195.1	78.7	151.97	1,293.3	-7,427.8	948.6	799.8	148.84	6.374	
16,800.0	8,720.0	12,558.9	9,570.5	197.5	81.0	152.13	1,290.0	-7,534.9	945.2	794.3	150.88	6.265	
16,900.0	8,720.0	12,666.9	9,568.0	200.0	83.4	152.28	1,286.9	-7,642.8	941.5	788.5	152.97	6.154	
17,000.0	8,720.0	12,770.0	9,564.4	202.4	85.6	152.40	1,283.5	-7,745.8	936.5	781.4	155.11	6.038	
17,100.0	8,720.0	12,856.2	9,561.6	204.8	87.6	152.45	1,281.7	-7,832.0	932.3	774.9	157.39	5.924	
17,200.0	8,720.0	12,974.1	9,557.5	207.2	90.2	152.39	1,281.7	-7,949.8	929.0	768.8	160.21	5.798	
17,300.0	8,720.0	13,098.7	9,547.6	209.6	93.0	152.07	1,283.2	-8,073.9	922.2	758.3	163.87	5.627	
17,400.0	8,720.0	13,182.7	9,540.7	212.1	94.9	151.82	1,284.7	-8,157.7	915.3	748.0	167.30	5.471	
17,500.0	8,720.0	13,266.5	9,535.1	214.5	96.8	151.59	1,286.4	-8,241.3	910.0	739.3	170.64	5.333	
17,600.0	8,720.0	13,346.1	9,531.6	216.9	98.6	151.45	1,287.7	-8,320.8	906.6	733.0	173.65	5.221	
17,700.0	8,720.0	13,447.2	9,529.8	219.3	100.9	151.43	1,287.9	-8,421.8	904.7	728.4	176.35	5.130	
17,800.0	8,720.0	13,549.3	9,527.6	221.8	103.2	151.43	1,287.4	-8,523.9	902.2	723.3	178.96	5.042	
17,900.0	8,720.0	13,645.5	9,526.5	224.2	105.4	151.56	1,285.3	-8,620.1	899.8	718.8	181.06	4.970	
18,000.0	8,720.0	13,775.4	9,522.3	226.6	108.4	151.61	1,283.0	-8,749.8	895.8	712.2	183.58	4.880	
18,100.0	8,720.0	13,876.8	9,515.5	229.1	110.7	151.35	1,284.7	-8,851.0	890.3	703.1	187.21	4.755	
18,200.0	8,720.0	13,981.4	9,507.3	231.5	113.1	150.98	1,287.6	-8,955.3	884.4	693.1	191.31	4.623	
18,300.0	8,720.0	14,072.9	9,499.8	233.9	115.2	150.63	1,290.3	-9,046.4	878.3	682.9	195.39	4.495	
18,400.0	8,720.0	14,149.7	9,495.8	236.3	117.0	150.44	1,291.9	-9,123.0	874.4	675.6	198.76	4.399	
18,485.1	8,720.0	14,212.5	9,494.9	238.4	118.5	150.42	1,292.3	-9,185.9	873.3	672.4	200.95	4.346	
18,500.0	8,720.0	14,223.9	9,495.0	238.8	118.7	150.43	1,292.2	-9,197.2	873.4	672.1	201.26	4.339	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake WA 15 #1H - Wellbore #1 - Wellbore #1

Survey Program: 403-MWD

Offset Site Error: 0.0 usft

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,600.0	8,720.0	14,342.2	9,495.2	241.2	121.5	150.54	1,291.2	-9,315.5	872.7	669.0	203.64	4.285	
18,700.0	8,720.0	14,446.8	9,493.8	243.6	123.9	150.63	1,289.7	-9,420.2	870.4	664.4	205.97	4.226	
18,800.0	8,720.0	14,571.7	9,490.7	246.1	126.8	150.61	1,289.3	-9,545.0	868.0	659.1	208.83	4.156	
18,900.0	8,720.0	14,682.0	9,481.1	248.5	129.3	150.26	1,290.7	-9,654.8	860.4	647.4	213.03	4.039	
18,954.0	8,720.0	14,682.0	9,481.1	249.8	129.3	150.26	1,290.7	-9,654.8	858.7	644.4	214.27	4.007	
19,000.0	8,720.0	14,682.0	9,481.1	250.9	129.3	150.26	1,290.7	-9,654.8	859.9	645.2	214.74	4.004	
19,100.0	8,720.0	14,682.0	9,481.1	253.4	129.3	150.26	1,290.7	-9,654.8	871.0	657.1	213.93	4.072	
19,176.7	8,720.0	14,682.0	9,481.1	255.2	129.3	150.26	1,290.7	-9,654.8	887.1	675.4	211.71	4.190	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake WC 15 #1H - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 usft

Survey Program: 403-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	16.0	16.0	0.0	0.0	-79.07	866.4	-4,487.8	4,570.7				
100.0	100.0	119.1	119.1	0.1	0.2	-79.08	866.2	-4,487.8	4,570.6	4,570.3	0.33	N/A	
200.0	200.0	222.2	222.2	0.5	0.4	-79.08	865.6	-4,487.8	4,570.5	4,569.6	0.86	5,337.539	
300.0	300.0	325.3	325.3	0.8	0.5	-79.09	864.8	-4,487.8	4,570.3	4,568.9	1.39	3,296.834	
400.0	400.0	428.5	428.4	1.2	0.7	70.33	863.6	-4,487.7	4,569.8	4,567.9	1.90	2,403.314	
424.5	424.5	437.1	437.1	1.3	0.8	70.33	863.6	-4,487.8	4,569.6	4,567.6	2.06	2,215.632	
500.0	500.0	496.0	496.0	1.5	1.0	70.34	863.1	-4,488.1	4,569.3	4,566.8	2.53	1,806.795	
600.0	599.9	594.2	594.2	1.9	1.4	70.35	862.2	-4,488.8	4,569.1	4,565.9	3.23	1,416.340	
700.0	699.9	684.6	684.6	2.2	1.7	70.36	861.3	-4,489.5	4,569.0	4,565.1	3.90	1,171.191	
800.0	799.9	783.2	783.1	2.6	2.0	70.38	860.4	-4,490.3	4,568.9	4,564.3	4.61	991.581	
805.6	805.5	787.7	787.7	2.6	2.0	70.38	860.4	-4,490.4	4,568.9	4,564.3	4.64	983.820	
900.0	899.9	864.3	864.2	2.9	2.3	70.39	859.6	-4,491.2	4,569.1	4,563.9	5.25	869.677	
1,000.0	999.9	993.9	993.9	3.3	2.8	70.40	858.7	-4,492.6	4,569.3	4,563.2	6.07	752.344	
1,100.0	1,099.8	1,140.8	1,140.7	3.7	3.3	70.44	858.5	-4,492.5	4,568.4	4,561.5	6.94	657.949	
1,200.0	1,199.8	1,213.7	1,213.7	4.0	3.5	70.46	858.4	-4,492.3	4,567.5	4,559.9	7.55	604.629	
1,300.0	1,299.8	1,332.2	1,332.2	4.4	4.0	70.49	858.4	-4,492.1	4,566.6	4,558.2	8.32	548.653	
1,400.0	1,399.8	1,408.0	1,407.9	4.7	4.2	70.51	858.2	-4,492.1	4,565.8	4,556.9	8.95	510.409	
1,475.7	1,475.5	1,492.6	1,492.5	5.0	4.5	70.53	858.1	-4,492.3	4,565.4	4,555.9	9.51	480.157	
1,500.0	1,499.7	1,522.2	1,522.1	5.1	4.6	70.53	858.2	-4,492.2	4,565.2	4,555.5	9.70	470.803	
1,600.3	1,600.0	1,627.0	1,626.9	5.4	5.0	-78.89	857.9	-4,492.0	4,564.6	4,554.2	10.41	438.642	
1,619.0	1,618.7	1,642.0	1,642.0	5.5	5.0	-121.21	857.9	-4,491.9	4,564.6	4,554.1	10.52	433.812	
1,700.0	1,699.7	1,723.9	1,723.8	5.8	5.3	-121.22	857.7	-4,491.9	4,565.0	4,553.9	11.08	411.934	
1,800.0	1,799.7	1,877.2	1,877.1	6.1	5.8	-121.26	857.3	-4,490.8	4,565.5	4,553.6	11.95	382.058	
1,900.0	1,899.6	1,999.0	1,998.9	6.4	6.3	-121.31	857.0	-4,488.8	4,566.1	4,553.4	12.71	359.301	
2,000.0	1,999.4	2,103.3	2,103.2	6.8	6.6	-121.37	856.6	-4,486.9	4,567.5	4,554.1	13.41	340.601	
2,100.0	2,099.1	2,229.8	2,229.6	7.1	7.1	-121.46	856.0	-4,484.2	4,569.3	4,555.1	14.19	321.954	
2,200.0	2,198.6	2,357.5	2,357.3	7.5	7.5	-121.58	855.1	-4,480.7	4,571.5	4,556.5	14.98	305.116	
2,300.0	2,298.0	2,433.9	2,433.6	7.8	7.8	-121.65	854.3	-4,478.6	4,574.6	4,559.0	15.60	293.190	
2,400.0	2,397.1	2,508.7	2,508.5	8.2	8.1	-121.72	853.5	-4,477.0	4,579.1	4,562.9	16.22	282.271	
2,500.0	2,496.0	2,583.2	2,583.0	8.5	8.3	-121.79	852.6	-4,475.7	4,585.2	4,568.3	16.85	272.184	
2,600.0	2,594.7	2,691.5	2,691.2	8.9	8.7	-121.93	851.9	-4,474.3	4,592.5	4,574.9	17.59	261.041	
2,697.6	2,690.7	2,781.2	2,781.0	9.3	9.0	-122.04	851.2	-4,472.8	4,600.3	4,582.1	18.27	251.756	
2,700.0	2,693.0	2,783.4	2,783.2	9.3	9.0	-122.04	851.2	-4,472.8	4,600.6	4,582.3	18.29	251.535	
2,800.0	2,791.2	2,867.9	2,867.6	9.7	9.3	-122.21	851.1	-4,471.5	4,609.3	4,590.3	18.96	243.050	
2,900.0	2,889.3	2,951.7	2,951.4	10.1	9.6	-122.37	851.4	-4,470.5	4,618.4	4,598.8	19.64	235.178	
3,000.0	2,987.5	3,037.6	3,037.3	10.5	9.9	-122.53	852.5	-4,469.5	4,627.9	4,607.6	20.32	227.749	
3,100.0	3,085.7	3,134.8	3,134.5	10.9	10.3	-122.70	854.5	-4,468.6	4,637.7	4,616.6	21.04	220.388	
3,200.0	3,183.8	3,223.8	3,223.4	11.3	10.6	-122.84	856.8	-4,467.4	4,647.2	4,625.5	21.74	213.754	
3,300.0	3,282.0	3,290.0	3,289.6	11.7	10.8	-122.95	859.1	-4,467.2	4,657.8	4,635.5	22.36	208.296	
3,400.0	3,380.2	3,341.4	3,340.9	12.1	11.0	-123.03	861.0	-4,467.5	4,669.2	4,646.3	22.93	203.635	
3,500.0	3,478.4	3,446.6	3,446.1	12.6	11.3	-123.19	864.6	-4,468.2	4,680.9	4,657.3	23.69	197.587	
3,600.0	3,576.5	3,533.0	3,532.4	13.0	11.6	-123.33	867.3	-4,468.7	4,692.6	4,668.2	24.39	192.418	
3,700.0	3,674.7	3,700.0	3,645.7	13.4	12.2	-123.53	869.6	-4,469.7	4,704.3	4,678.9	25.37	185.447	
3,800.0	3,772.9	3,750.5	3,749.9	13.8	12.4	-123.72	870.3	-4,470.3	4,715.6	4,689.7	25.95	181.735	
3,900.0	3,871.1	3,851.6	3,851.0	14.3	12.7	-123.91	870.9	-4,471.0	4,727.2	4,700.5	26.70	177.023	
4,000.0	3,969.2	3,957.1	3,956.5	14.7	13.1	-124.10	871.8	-4,471.6	4,738.6	4,711.2	27.48	172.455	
4,100.0	4,067.4	4,052.9	4,052.3	15.1	13.4	-124.28	872.2	-4,472.1	4,750.1	4,721.9	28.22	168.339	
4,200.0	4,165.6	4,130.9	4,130.3	15.6	13.7	-124.43	872.6	-4,472.7	4,761.8	4,732.9	28.89	164.806	
4,300.0	4,263.7	4,251.6	4,251.0	16.0	14.1	-124.64	873.7	-4,473.6	4,773.6	4,743.8	29.73	160.573	
4,400.0	4,361.9	4,342.8	4,342.2	16.5	14.4	-124.81	874.6	-4,474.1	4,785.2	4,754.7	30.46	157.119	
4,500.0	4,460.1	4,426.4	4,425.8	16.9	14.7	-124.95	875.7	-4,474.7	4,797.1	4,766.0	31.16	153.970	
4,600.0	4,558.3	4,536.6	4,536.0	17.4	15.1	-125.14	877.5	-4,475.5	4,809.1	4,777.1	31.96	150.485	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake WC 15 #1H - Wellbore #1 - Wellbore #1

Offset Site Error: 0.0 usft

Survey Program: 403-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,700.0	4,656.4	4,631.4	4,630.7	17.8	15.4	-125.29	879.9	-4,475.9	4,821.0	4,788.3	32.70	147.420	
4,800.0	4,754.6	4,706.6	4,705.8	18.2	15.7	-125.39	883.4	-4,476.4	4,833.2	4,799.8	33.37	144.817	
4,900.0	4,852.8	4,815.4	4,814.5	18.7	16.1	-125.51	889.7	-4,476.9	4,845.5	4,811.3	34.18	141.779	
5,000.0	4,950.9	4,886.6	4,885.5	19.1	16.3	-125.60	893.7	-4,477.5	4,858.1	4,823.3	34.83	139.462	
5,100.0	5,049.1	5,000.4	4,999.2	19.6	16.7	-125.74	899.6	-4,478.6	4,870.9	4,835.2	35.66	136.602	
5,200.0	5,147.3	5,093.9	5,092.5	20.0	17.0	-125.85	905.1	-4,479.4	4,883.6	4,847.2	36.40	134.153	
5,300.0	5,245.5	5,200.7	5,199.1	20.5	17.4	-125.96	911.8	-4,480.1	4,896.2	4,859.0	37.20	131.609	
5,400.0	5,343.6	5,281.7	5,280.0	20.9	17.7	-126.06	916.2	-4,480.9	4,909.0	4,871.1	37.90	129.521	
5,500.0	5,441.8	5,457.1	5,455.1	21.4	18.3	-126.28	925.0	-4,481.4	4,921.2	4,882.2	38.97	126.294	
5,600.0	5,540.0	5,583.1	5,581.0	21.8	18.8	-126.43	931.2	-4,480.6	4,932.4	4,892.6	39.84	123.806	
5,700.0	5,638.1	5,697.3	5,695.0	22.3	19.2	-126.57	936.7	-4,479.1	4,943.0	4,902.3	40.67	121.543	
5,800.0	5,736.3	5,788.7	5,786.3	22.8	19.5	-126.68	940.8	-4,478.1	4,953.7	4,912.3	41.41	119.623	
5,900.0	5,834.5	5,909.1	5,906.6	23.2	19.9	-126.83	946.1	-4,476.5	4,964.4	4,922.2	42.26	117.462	
6,000.0	5,932.7	5,994.8	5,992.2	23.7	20.2	-126.94	949.9	-4,475.3	4,974.9	4,931.9	42.99	115.731	
6,100.0	6,030.8	6,079.6	6,076.9	24.1	20.5	-127.04	954.1	-4,474.3	4,985.8	4,942.0	43.71	114.076	
6,200.0	6,129.0	6,179.2	6,176.3	24.6	20.9	-127.14	960.5	-4,473.2	4,996.8	4,952.3	44.48	112.328	
6,300.0	6,227.2	6,254.2	6,251.1	25.0	21.2	-127.21	965.8	-4,472.3	5,007.9	4,962.7	45.17	110.876	
6,400.0	6,325.3	6,309.0	6,305.8	25.5	21.4	-127.27	969.3	-4,472.2	5,019.8	4,974.0	45.77	109.679	
6,500.0	6,423.5	6,357.8	6,354.5	25.9	21.5	-127.32	972.2	-4,472.5	5,032.6	4,986.3	46.34	108.601	
6,600.0	6,521.7	6,403.0	6,399.6	26.4	21.7	-127.37	974.7	-4,473.3	5,046.5	4,999.6	46.89	107.619	
6,700.0	6,619.9	6,502.8	6,499.3	26.9	22.1	-127.49	979.6	-4,475.6	5,060.9	5,013.3	47.67	106.171	
6,800.0	6,718.0	6,580.6	6,577.0	27.3	22.3	-127.59	982.8	-4,477.7	5,075.6	5,027.2	48.35	104.978	
6,900.0	6,816.2	6,640.2	6,636.6	27.8	22.5	-127.67	984.9	-4,479.6	5,090.8	5,041.8	48.95	103.996	
7,000.0	6,914.4	6,700.2	6,696.4	28.2	22.8	-127.75	987.1	-4,482.0	5,106.8	5,057.2	49.55	103.059	
7,100.0	7,012.5	6,778.0	6,774.1	28.7	23.0	-127.84	990.6	-4,485.5	5,123.3	5,073.1	50.23	102.000	
7,200.0	7,110.7	7,221.3	7,216.1	29.1	24.6	-128.24	1,022.2	-4,488.1	5,134.3	5,081.9	52.44	97.917	
7,300.0	7,208.9	7,305.5	7,300.1	29.6	24.9	-128.32	1,027.6	-4,486.4	5,144.7	5,091.5	53.16	96.782	
7,400.0	7,307.1	7,403.8	7,398.2	30.1	25.3	-128.42	1,033.4	-4,484.6	5,155.2	5,101.2	53.93	95.585	
7,500.0	7,405.2	7,522.6	7,516.8	30.5	25.7	-128.54	1,040.0	-4,482.3	5,165.5	5,110.7	54.79	94.285	
7,514.9	7,419.9	7,542.0	7,536.2	30.6	25.8	-128.56	1,041.1	-4,481.9	5,167.0	5,112.1	54.92	94.082	
7,600.0	7,503.6	7,671.9	7,665.9	31.0	26.3	-128.78	1,048.1	-4,478.4	5,174.7	5,118.9	55.75	92.821	
7,700.0	7,602.4	7,793.0	7,786.7	31.4	26.7	-128.96	1,052.9	-4,474.2	5,181.3	5,124.7	56.59	91.565	
7,800.0	7,701.5	7,853.2	7,846.9	31.8	26.9	-129.08	1,054.3	-4,472.3	5,186.5	5,129.3	57.18	90.702	
7,900.0	7,801.0	7,916.0	7,909.7	32.2	27.1	-129.17	1,055.3	-4,471.1	5,191.1	5,133.3	57.77	89.860	
8,000.0	7,900.7	7,958.9	7,952.6	32.6	27.3	-129.24	1,055.8	-4,470.7	5,194.9	5,136.6	58.26	89.164	
8,100.0	8,000.5	8,011.0	8,004.7	32.9	27.5	-129.29	1,056.2	-4,470.5	5,197.8	5,139.0	58.77	88.439	
8,200.0	8,100.5	8,078.0	8,071.7	33.2	27.7	-129.33	1,056.4	-4,470.7	5,199.8	5,140.5	59.32	87.656	
8,246.5	8,147.0	8,106.0	8,099.7	33.4	27.8	-87.01	1,056.3	-4,471.0	5,200.5	5,140.9	59.56	87.320	
8,250.0	8,150.5	8,106.0	8,099.7	33.4	27.8	2.55	1,056.3	-4,471.0	5,200.5	5,140.9	59.56	87.308	
8,300.0	8,200.4	8,150.2	8,143.9	33.5	27.9	2.56	1,056.1	-4,471.6	5,198.7	5,138.8	59.86	86.847	
8,350.0	8,249.9	8,195.5	8,189.2	33.6	28.1	2.58	1,055.9	-4,472.2	5,192.6	5,132.4	60.15	86.324	
8,400.0	8,298.7	8,243.7	8,237.3	33.7	28.3	2.64	1,055.7	-4,472.9	5,182.2	5,121.7	60.45	85.731	
8,450.0	8,346.2	8,291.2	8,284.9	33.8	28.4	2.71	1,055.5	-4,473.7	5,167.6	5,106.9	60.73	85.091	
8,500.0	8,392.3	8,373.1	8,366.8	33.9	28.7	2.82	1,055.0	-4,474.6	5,148.7	5,087.6	61.14	84.218	
8,550.0	8,436.5	8,433.6	8,427.2	33.9	28.9	2.96	1,054.4	-4,475.0	5,125.7	5,064.2	61.44	83.420	
8,600.0	8,478.5	8,487.4	8,481.0	34.0	29.1	3.15	1,053.7	-4,475.3	5,098.8	5,037.0	61.71	82.619	
8,650.0	8,518.0	8,566.0	8,559.6	34.0	29.4	3.39	1,052.8	-4,475.2	5,068.1	5,006.0	62.06	81.659	
8,700.0	8,554.6	8,618.6	8,612.2	34.0	29.5	3.71	1,052.0	-4,474.9	5,033.9	4,971.5	62.30	80.796	
8,750.0	8,588.1	8,662.9	8,656.5	34.0	29.7	4.11	1,051.0	-4,474.5	4,996.5	4,934.0	62.50	79.944	
8,800.0	8,618.3	8,697.0	8,690.6	33.9	29.8	4.65	1,050.0	-4,474.2	4,956.4	4,893.7	62.65	79.114	
8,850.0	8,644.9	8,725.3	8,718.9	33.9	29.9	5.38	1,049.0	-4,473.9	4,913.8	4,851.0	62.77	78.288	
8,900.0	8,667.7	8,749.4	8,743.0	33.9	30.0	6.45	1,048.1	-4,473.7	4,869.1	4,806.2	62.86	77.460	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake WC 15 #1H - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 usft

Survey Program: 403-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,950.0	8,686.6	8,769.2	8,762.8	33.9	30.0	8.10	1,047.3	-4,473.5	4,822.6	4,759.7	62.93	76.633	
9,000.0	8,701.3	8,784.5	8,778.1	33.9	30.1	10.94	1,046.7	-4,473.3	4,774.7	4,711.7	62.98	75.811	
9,050.0	8,711.8	8,795.3	8,788.8	33.9	30.1	16.84	1,046.2	-4,473.2	4,725.8	4,662.8	63.01	74.997	
9,100.0	8,718.1	8,797.4	8,791.0	33.9	30.1	34.52	1,046.1	-4,473.2	4,676.2	4,613.2	63.01	74.211	
9,146.5	8,720.0	8,798.6	8,792.2	33.9	30.1	104.38	1,046.0	-4,473.2	4,629.7	4,566.7	63.01	73.479	
9,200.0	8,720.0	8,798.2	8,791.7	34.1	30.1	104.27	1,046.1	-4,473.2	4,576.3	4,513.3	63.00	72.642	
9,300.0	8,720.0	8,797.3	8,790.8	34.5	30.1	104.06	1,046.1	-4,473.2	4,476.5	4,413.5	62.98	71.077	
9,400.0	8,720.0	8,799.9	8,793.5	35.2	30.2	104.70	1,046.0	-4,473.2	4,376.6	4,313.6	62.98	69.496	
9,500.0	8,720.0	8,798.8	8,792.3	36.2	30.1	104.42	1,046.0	-4,473.2	4,276.7	4,213.8	62.96	67.929	
9,600.0	8,720.0	8,797.6	8,791.1	37.3	30.1	104.13	1,046.1	-4,473.2	4,176.9	4,113.9	62.94	66.360	
9,700.0	8,720.0	8,796.4	8,790.0	38.6	30.1	103.84	1,046.1	-4,473.2	4,077.0	4,014.1	62.93	64.790	
9,800.0	8,720.0	8,795.3	8,788.8	39.9	30.1	103.55	1,046.2	-4,473.2	3,977.2	3,914.3	62.91	63.219	
9,900.0	8,720.0	8,794.1	8,787.6	41.4	30.1	103.27	1,046.2	-4,473.2	3,877.3	3,814.4	62.90	61.646	
10,000.0	8,720.0	8,792.9	8,786.5	43.0	30.1	102.98	1,046.3	-4,473.2	3,777.5	3,714.6	62.88	60.072	
10,100.0	8,720.0	8,791.8	8,785.3	44.6	30.1	102.69	1,046.3	-4,473.2	3,677.7	3,614.8	62.87	58.497	
10,200.0	8,720.0	8,790.6	8,784.2	46.3	30.1	102.40	1,046.4	-4,473.3	3,577.9	3,515.0	62.86	56.919	
10,300.0	8,720.0	8,789.5	8,783.0	48.1	30.1	102.11	1,046.4	-4,473.3	3,478.1	3,415.3	62.85	55.341	
10,400.0	8,720.0	8,788.3	8,781.8	50.0	30.1	101.83	1,046.5	-4,473.3	3,378.3	3,315.5	62.84	53.761	
10,500.0	8,720.0	8,787.2	8,780.7	51.8	30.1	101.54	1,046.5	-4,473.3	3,278.6	3,215.7	62.83	52.179	
10,600.0	8,720.0	8,786.0	8,779.6	53.8	30.1	101.25	1,046.6	-4,473.3	3,178.8	3,116.0	62.83	50.596	
10,700.0	8,720.0	8,784.9	8,778.4	55.8	30.1	100.96	1,046.7	-4,473.3	3,079.1	3,016.2	62.82	49.011	
10,800.0	8,720.0	8,783.7	8,777.3	57.8	30.1	100.68	1,046.7	-4,473.3	2,979.3	2,916.5	62.82	47.424	
10,900.0	8,720.0	8,782.6	8,776.1	59.8	30.1	100.39	1,046.8	-4,473.3	2,879.6	2,816.8	62.82	45.836	
11,000.0	8,720.0	8,781.4	8,775.0	61.9	30.1	100.10	1,046.8	-4,473.4	2,780.0	2,717.1	62.83	44.246	
11,100.0	8,720.0	8,780.3	8,773.8	64.0	30.1	99.82	1,046.9	-4,473.4	2,680.3	2,617.5	62.84	42.653	
11,200.0	8,720.0	8,779.2	8,772.7	66.1	30.1	99.53	1,046.9	-4,473.4	2,580.7	2,517.8	62.85	41.058	
11,300.0	8,720.0	8,778.0	8,771.6	68.2	30.1	99.24	1,047.0	-4,473.4	2,481.1	2,418.2	62.87	39.461	
11,400.0	8,720.0	8,776.9	8,770.4	70.4	30.1	98.96	1,047.0	-4,473.4	2,381.5	2,318.6	62.90	37.861	
11,500.0	8,720.0	8,775.8	8,769.3	72.6	30.1	98.67	1,047.0	-4,473.4	2,282.0	2,219.0	62.94	36.258	
11,600.0	8,720.0	8,774.6	8,768.2	74.8	30.1	98.38	1,047.1	-4,473.4	2,182.5	2,119.5	62.98	34.651	
11,700.0	8,720.0	8,773.5	8,767.1	77.0	30.1	98.10	1,047.1	-4,473.4	2,083.0	2,020.0	63.04	33.041	
11,800.0	8,720.0	8,772.4	8,765.9	79.2	30.1	97.81	1,047.2	-4,473.4	1,983.6	1,920.5	63.12	31.426	
11,900.0	8,720.0	8,771.3	8,764.8	81.5	30.1	97.53	1,047.2	-4,473.5	1,884.3	1,821.1	63.22	29.805	
12,000.0	8,720.0	8,770.1	8,763.7	83.7	30.1	97.24	1,047.3	-4,473.5	1,785.1	1,721.7	63.35	28.180	
12,100.0	8,720.0	8,769.0	8,762.6	86.0	30.0	96.96	1,047.3	-4,473.5	1,685.9	1,622.4	63.51	26.547	
12,200.0	8,720.0	8,767.9	8,761.5	88.3	30.0	96.67	1,047.4	-4,473.5	1,586.8	1,523.1	63.71	24.906	
12,300.0	8,720.0	8,766.8	8,760.4	90.5	30.0	96.39	1,047.4	-4,473.5	1,487.9	1,423.9	63.98	23.257	
12,400.0	8,720.0	8,765.7	8,759.3	92.8	30.0	96.10	1,047.5	-4,473.5	1,389.1	1,324.8	64.32	21.597	
12,500.0	8,720.0	8,764.6	8,758.1	95.1	30.0	95.82	1,047.5	-4,473.5	1,290.5	1,225.8	64.77	19.925	
12,600.0	8,720.0	8,763.5	8,757.0	97.4	30.0	95.54	1,047.6	-4,473.5	1,192.2	1,126.8	65.36	18.240	
12,700.0	8,720.0	8,762.4	8,755.9	99.8	30.0	95.25	1,047.6	-4,473.6	1,094.1	1,028.0	66.14	16.541	
12,800.0	8,720.0	8,761.3	8,754.8	102.1	30.0	94.97	1,047.7	-4,473.6	996.4	929.2	67.20	14.827	
12,900.0	8,720.0	8,760.2	8,753.7	104.4	30.0	94.69	1,047.7	-4,473.6	899.3	830.6	68.65	13.098	
13,000.0	8,720.0	8,759.1	8,752.6	106.7	30.0	94.41	1,047.7	-4,473.6	802.8	732.1	70.67	11.360	
13,100.0	8,720.0	8,758.0	8,751.5	109.1	30.0	94.13	1,047.8	-4,473.6	707.3	633.8	73.51	9.621	
13,200.0	8,720.0	8,756.9	8,750.4	111.4	30.0	93.84	1,047.8	-4,473.6	613.2	535.6	77.60	7.902	
13,300.0	8,720.0	8,755.8	8,749.3	113.8	30.0	93.56	1,047.9	-4,473.6	521.4	437.7	83.60	6.236	
13,400.0	8,720.0	8,754.7	8,748.3	116.1	30.0	93.28	1,047.9	-4,473.6	433.1	340.6	92.55	4.680	
13,500.0	8,720.0	8,753.6	8,747.2	118.5	30.0	93.00	1,048.0	-4,473.6	351.2	245.3	105.92	3.316	
13,600.0	8,720.0	8,752.5	8,746.1	120.8	30.0	92.73	1,048.0	-4,473.7	281.3	156.4	124.88	2.253	
13,700.0	8,720.0	8,751.4	8,745.0	123.2	30.0	92.45	1,048.1	-4,473.7	234.4	88.4	145.95	1.606	
13,771.1	8,720.0	8,750.6	8,744.2	124.9	30.0	92.25	1,048.1	-4,473.7	223.3	68.9	154.42	1.446	Level 3, CC, ES, SF

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake WC 15 #1H - Wellbore #1 - Wellbore #1 — **Offset Site Error:** 0.0 usft

Survey Program: 403-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,800.0	8,720.0	8,750.3	8,743.9	125.6	30.0	92.17	1,048.1	-4,473.7	225.2	70.4	154.76	1.455	Level 3
13,900.0	8,720.0	8,749.2	8,742.8	127.9	30.0	91.89	1,048.1	-4,473.7	257.8	113.7	144.07	1.790	
14,000.0	8,720.0	8,748.2	8,741.7	130.3	30.0	91.61	1,048.2	-4,473.7	319.7	192.6	127.18	2.514	
14,100.0	8,720.0	8,747.1	8,740.7	132.7	30.0	91.34	1,048.2	-4,473.7	397.5	284.4	113.11	3.514	
14,200.0	8,720.0	8,746.0	8,739.6	135.1	30.0	91.06	1,048.3	-4,473.7	483.5	380.6	102.90	4.699	
14,300.0	8,720.0	8,744.9	8,738.5	137.4	30.0	90.78	1,048.3	-4,473.7	574.0	478.4	95.62	6.004	
14,400.0	8,720.0	8,743.9	8,737.4	139.8	30.0	90.51	1,048.3	-4,473.7	667.3	577.0	90.33	7.387	
14,500.0	8,720.0	8,742.8	8,736.4	142.2	30.0	90.24	1,048.4	-4,473.8	762.3	675.9	86.41	8.822	
14,600.0	8,720.0	8,741.7	8,735.3	144.6	30.0	89.96	1,048.4	-4,473.8	858.4	774.9	83.42	10.289	
14,700.0	8,720.0	8,740.7	8,734.2	147.0	30.0	89.69	1,048.5	-4,473.8	955.3	874.2	81.10	11.779	
14,800.0	8,720.0	8,739.6	8,733.2	149.4	29.9	89.42	1,048.5	-4,473.8	1,052.8	973.5	79.27	13.281	
14,900.0	8,720.0	8,738.5	8,732.1	151.8	29.9	89.14	1,048.5	-4,473.8	1,150.7	1,072.9	77.79	14.793	
15,000.0	8,720.0	8,737.5	8,731.1	154.2	29.9	88.87	1,048.6	-4,473.8	1,248.9	1,172.3	76.58	16.309	
15,100.0	8,720.0	8,736.4	8,730.0	156.6	29.9	88.60	1,048.6	-4,473.8	1,347.4	1,271.8	75.58	17.828	
15,200.0	8,720.0	8,735.3	8,728.9	159.0	29.9	88.33	1,048.7	-4,473.8	1,446.1	1,371.4	74.75	19.347	
15,300.0	8,720.0	8,734.3	8,727.9	161.4	29.9	88.06	1,048.7	-4,473.8	1,545.0	1,471.0	74.04	20.866	
15,400.0	8,720.0	8,733.2	8,726.8	163.8	29.9	87.79	1,048.7	-4,473.8	1,644.0	1,570.6	73.44	22.384	
15,500.0	8,720.0	8,732.2	8,725.8	166.2	29.9	87.52	1,048.8	-4,473.9	1,743.1	1,670.2	72.93	23.900	
15,600.0	8,720.0	12,123.8	10,524.0	168.6	55.9	169.08	1,183.9	-6,296.7	1,821.5	1,736.9	84.66	21.516	
15,700.0	8,720.0	12,251.2	10,524.0	171.0	58.2	169.14	1,183.2	-6,424.2	1,821.3	1,735.0	86.27	21.112	
15,800.0	8,720.0	12,381.7	10,520.2	173.4	60.7	169.05	1,186.2	-6,554.5	1,818.6	1,730.5	88.14	20.632	
15,900.0	8,720.0	12,461.4	10,517.4	175.8	62.3	168.92	1,190.6	-6,634.0	1,816.1	1,726.3	89.78	20.228	
16,000.0	8,720.0	12,533.7	10,515.9	178.2	63.7	168.78	1,195.2	-6,706.2	1,815.1	1,723.7	91.40	19.860	
16,029.8	8,720.0	12,558.8	10,515.6	178.9	64.2	168.73	1,197.0	-6,731.3	1,815.1	1,723.2	91.93	19.745	
16,100.0	8,720.0	12,614.0	10,515.0	180.6	65.3	168.61	1,201.2	-6,786.3	1,815.3	1,722.2	93.15	19.488	
16,200.0	8,720.0	12,694.1	10,514.9	183.0	66.9	168.44	1,207.4	-6,866.1	1,816.6	1,721.7	94.93	19.136	
16,300.0	8,720.0	12,786.9	10,515.9	185.5	68.8	168.28	1,213.4	-6,958.7	1,818.8	1,722.0	96.80	18.789	
16,400.0	8,720.0	12,904.3	10,517.4	187.9	71.2	168.16	1,218.5	-7,076.0	1,820.9	1,722.1	98.81	18.428	
16,500.0	8,720.0	13,101.5	10,513.7	190.3	75.3	168.11	1,220.9	-7,273.1	1,818.7	1,717.4	101.27	17.960	
16,600.0	8,720.0	13,159.5	10,512.4	192.7	76.6	168.15	1,219.7	-7,331.0	1,815.9	1,713.3	102.56	17.706	
16,700.0	8,720.0	13,278.0	10,511.8	195.1	79.1	168.35	1,214.2	-7,449.5	1,814.4	1,710.4	103.96	17.452	
16,800.0	8,720.0	13,428.1	10,506.9	197.5	82.2	168.64	1,204.8	-7,599.2	1,809.4	1,704.0	105.37	17.172	
16,900.0	8,720.0	13,577.9	10,497.5	200.0	85.5	168.73	1,201.2	-7,748.5	1,802.7	1,695.6	107.16	16.823	
17,000.0	8,720.0	13,654.0	10,491.7	202.4	87.1	168.67	1,202.7	-7,824.4	1,795.4	1,686.6	108.82	16.498	
17,100.0	8,720.0	13,702.3	10,489.0	204.8	88.2	168.62	1,203.9	-7,872.6	1,790.1	1,679.8	110.27	16.234	
17,200.0	8,720.0	13,749.0	10,487.4	207.2	89.2	168.57	1,205.5	-7,919.3	1,787.4	1,675.8	111.67	16.006	
17,259.7	8,720.0	13,790.9	10,486.8	208.7	90.1	168.53	1,207.2	-7,961.1	1,787.0	1,674.4	112.65	15.863	
17,300.0	8,720.0	13,814.6	10,486.7	209.6	90.7	168.50	1,208.3	-7,984.8	1,787.2	1,673.9	113.27	15.779	
17,400.0	8,720.0	13,876.4	10,487.5	212.1	92.0	168.43	1,211.2	-8,046.5	1,789.2	1,674.4	114.81	15.585	
17,500.0	8,720.0	13,942.0	10,489.9	214.5	93.5	168.40	1,213.0	-8,112.0	1,793.3	1,677.0	116.25	15.426	
17,600.0	8,720.0	14,023.3	10,494.2	216.9	95.3	168.39	1,214.9	-8,193.2	1,798.8	1,681.0	117.81	15.269	
17,700.0	8,720.0	17,700.0	10,501.4	219.3	177.8	168.32	1,219.7	-8,345.2	1,804.2	1,654.9	149.28	12.086	
17,800.0	8,720.0	14,387.3	10,499.2	221.8	103.5	168.21	1,224.4	-8,556.8	1,802.6	1,679.5	123.13	14.640	
17,900.0	8,720.0	14,525.1	10,493.5	224.2	106.6	168.16	1,225.9	-8,694.5	1,798.7	1,673.4	125.25	14.361	
18,000.0	8,720.0	14,642.8	10,486.2	226.6	109.2	168.11	1,226.9	-8,811.9	1,792.6	1,665.4	127.22	14.091	
18,100.0	8,720.0	14,717.5	10,481.8	229.1	110.9	168.07	1,227.8	-8,886.5	1,786.9	1,658.0	128.92	13.860	
18,200.0	8,720.0	14,787.0	10,479.4	231.5	112.5	168.04	1,228.7	-8,956.0	1,783.4	1,652.9	130.54	13.661	
18,300.0	8,720.0	14,858.6	10,477.9	233.9	114.1	167.99	1,230.5	-9,027.5	1,781.6	1,649.4	132.23	13.473	
18,400.0	8,720.0	14,943.4	10,476.3	236.3	116.1	167.90	1,233.9	-9,112.3	1,780.5	1,646.3	134.15	13.272	
18,500.0	8,720.0	15,066.1	10,475.0	238.8	118.9	167.85	1,235.9	-9,234.9	1,779.7	1,643.5	136.21	13.065	
18,600.0	8,720.0	15,156.7	10,473.7	241.2	121.0	167.88	1,235.5	-9,325.5	1,778.0	1,640.2	137.85	12.898	
18,700.0	8,720.0	15,300.7	10,471.5	243.6	124.3	168.04	1,231.1	-9,469.4	1,775.9	1,636.4	139.47	12.733	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Non-Op Rustler Breaks Wells - Willow Lake WC 15 #1H - Wellbore #1 - Wellbore #1

Survey Program: 403-MWD

Offset Site Error: 0.0 usft

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,800.0	8,720.0	15,437.0	10,465.7	246.1	127.4	168.24	1,224.7	-9,605.4	1,770.5	1,629.6	140.88	12.567	
18,900.0	8,720.0	15,537.6	10,461.5	248.5	129.7	168.49	1,216.5	-9,705.6	1,764.5	1,622.6	141.91	12.434	
19,000.0	8,720.0	15,562.0	10,460.5	250.9	130.2	168.56	1,214.5	-9,729.9	1,760.3	1,617.3	142.98	12.311	
19,028.5	8,720.0	15,562.0	10,460.5	251.6	130.2	168.56	1,214.5	-9,729.9	1,760.0	1,616.8	143.24	12.287	
19,100.0	8,720.0	15,562.0	10,460.5	253.4	130.2	168.56	1,214.5	-9,729.9	1,761.5	1,617.7	143.79	12.250	
19,176.7	8,720.0	15,562.0	10,460.5	255.2	130.2	168.56	1,214.5	-9,729.9	1,766.3	1,622.1	144.19	12.250	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Tiger - Tiger #204H - Wellbore #1 - Final Survey — **Offset Site Error:** 0.0 usft

Survey Program: 55-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.5	1.5	0.0	0.0	139.20	-658.1	568.0	869.3				
100.0	100.0	94.9	94.9	0.1	0.2	139.26	-658.8	567.5	869.5	869.2	0.33	2,647.502	
200.0	200.0	186.3	186.3	0.5	0.5	139.38	-661.0	566.9	870.9	869.9	1.02	858.056	
300.0	300.0	294.0	293.9	0.8	0.9	139.56	-664.0	566.0	872.5	870.8	1.75	497.245	
400.0	400.0	403.9	403.7	1.2	1.3	-70.89	-666.1	563.9	872.4	870.0	2.49	349.967	
424.5	424.5	428.7	428.5	1.3	1.4	-70.88	-666.5	563.3	872.2	869.6	2.66	327.336	
500.0	500.0	503.6	503.4	1.5	1.7	-70.83	-667.8	561.5	871.5	868.3	3.19	273.057	
600.0	599.9	607.8	607.6	1.9	2.0	-70.76	-669.5	558.7	870.3	866.4	3.92	222.297	
700.0	699.9	706.8	706.5	2.2	2.4	-70.71	-670.7	556.2	868.9	864.3	4.62	188.053	
800.0	799.9	799.1	798.8	2.6	2.7	-70.83	-670.7	556.0	868.0	862.7	5.29	164.149	
845.6	845.5	841.1	840.8	2.7	2.9	-70.96	-670.1	557.0	867.9	862.3	5.59	155.180	
900.0	899.9	892.6	892.3	2.9	3.0	-71.19	-669.0	559.1	868.1	862.1	5.96	145.626	
1,000.0	999.9	997.9	997.3	3.3	3.4	-71.79	-665.0	564.9	868.1	861.5	6.67	130.204	
1,100.0	1,099.8	1,105.9	1,104.8	3.7	3.7	-72.59	-658.6	572.3	867.6	860.2	7.39	117.400	
1,200.0	1,199.8	1,219.9	1,218.3	4.0	4.1	-73.53	-649.6	580.2	865.8	857.6	8.15	106.293	
1,300.0	1,299.8	1,316.2	1,314.0	4.4	4.5	-74.36	-640.9	586.5	863.1	854.3	8.85	97.572	
1,400.0	1,399.8	1,410.2	1,407.5	4.7	4.8	-75.08	-634.1	592.3	861.6	852.1	9.54	90.283	
1,475.7	1,475.5	1,490.4	1,487.5	5.0	5.1	-75.56	-629.7	595.7	860.6	850.5	10.10	85.192	
1,500.0	1,499.7	1,517.7	1,514.8	5.1	5.2	-75.68	-628.5	596.5	860.1	849.8	10.29	83.624	
1,600.3	1,600.0	1,625.8	1,622.8	5.4	5.6	134.57	-623.9	597.9	857.8	846.8	11.01	77.885	
1,700.0	1,699.7	1,715.6	1,712.5	5.8	5.9	92.11	-620.5	598.8	855.9	844.2	11.67	73.360	
1,800.0	1,799.7	1,805.8	1,802.6	6.1	6.2	92.13	-618.5	599.8	855.3	842.9	12.32	69.418	
1,803.3	1,803.0	1,808.7	1,805.6	6.1	6.2	92.14	-618.4	599.8	855.3	842.9	12.34	69.297	CC
1,900.0	1,899.6	1,897.1	1,894.0	6.4	6.5	92.28	-617.4	601.2	855.8	842.8	12.98	65.941	ES
2,000.0	1,999.4	1,983.6	1,980.4	6.8	6.8	92.44	-616.6	604.0	857.6	844.0	13.62	62.968	
2,100.0	2,099.1	2,063.5	2,060.2	7.1	7.1	92.59	-616.1	608.4	861.4	847.2	14.24	60.511	
2,200.0	2,198.6	2,149.6	2,146.1	7.5	7.4	92.82	-616.8	614.6	867.6	852.7	14.88	58.321	
2,300.0	2,298.0	2,246.1	2,242.3	7.8	7.8	93.19	-618.3	622.1	874.7	859.1	15.57	56.191	
2,400.0	2,397.1	2,354.5	2,350.3	8.2	8.2	93.70	-619.5	630.5	881.7	865.4	16.32	54.032	
2,500.0	2,496.0	2,491.2	2,486.7	8.5	8.7	94.46	-617.7	639.6	886.5	869.3	17.20	51.553	
2,600.0	2,594.7	2,599.1	2,594.3	8.9	9.1	95.10	-613.0	645.6	888.5	870.6	17.96	49.464	
2,697.6	2,690.7	2,694.3	2,689.4	9.3	9.4	95.82	-609.4	650.0	890.5	871.9	18.68	47.667	
2,700.0	2,693.0	2,696.7	2,691.7	9.3	9.4	95.84	-609.3	650.2	890.6	871.9	18.70	47.625	
2,800.0	2,791.2	2,795.1	2,789.9	9.7	9.8	96.66	-605.6	654.8	893.0	873.6	19.45	45.918	
2,900.0	2,889.3	2,894.2	2,888.8	10.1	10.1	97.48	-601.9	659.6	895.7	875.5	20.21	44.329	
3,000.0	2,987.5	2,993.9	2,988.4	10.5	10.5	98.31	-598.2	664.3	898.5	877.5	20.97	42.845	
3,100.0	3,085.7	3,091.1	3,085.5	10.9	10.9	99.10	-594.6	668.9	901.5	879.8	21.73	41.482	
3,200.0	3,183.8	3,187.0	3,181.2	11.3	11.2	99.86	-591.1	673.9	905.0	882.6	22.49	40.235	
3,300.0	3,282.0	3,298.3	3,292.2	11.7	11.6	100.74	-586.8	679.5	908.5	885.2	23.31	38.973	
3,400.0	3,380.2	3,416.4	3,410.2	12.1	12.0	101.80	-581.7	682.3	910.2	886.1	24.15	37.693	
3,500.0	3,478.4	3,514.2	3,507.8	12.6	12.4	102.59	-576.0	685.3	911.3	886.4	24.93	36.556	
3,600.0	3,576.5	3,620.3	3,613.3	13.0	12.8	103.21	-567.5	691.5	912.3	886.6	25.74	35.447	
3,700.0	3,674.7	3,746.3	3,738.3	13.4	13.3	103.78	-553.9	699.6	911.4	884.8	26.61	34.252	
3,800.0	3,772.9	3,856.5	3,847.3	13.8	13.7	104.22	-539.4	706.0	908.3	880.9	27.44	33.107	
3,900.0	3,871.1	3,960.9	3,950.7	14.3	14.1	104.70	-525.7	710.9	904.7	876.4	28.25	32.023	
4,000.0	3,969.2	4,045.9	4,035.1	14.7	14.4	105.19	-515.6	714.0	901.6	872.5	29.02	31.063	
4,100.0	4,067.4	4,129.4	4,118.2	15.1	14.7	105.80	-508.0	716.1	900.3	870.5	29.78	30.227	
4,115.6	4,082.7	4,142.4	4,131.1	15.2	14.8	105.91	-507.1	716.3	900.3	870.4	29.90	30.108	
4,200.0	4,165.6	4,221.1	4,209.7	15.6	15.1	106.59	-501.8	717.4	900.6	870.1	30.55	29.479	
4,300.0	4,263.7	4,316.3	4,304.7	16.0	15.4	107.45	-496.1	718.6	901.7	870.4	31.32	28.785	
4,400.0	4,361.9	4,411.4	4,399.7	16.5	15.7	108.33	-490.9	719.6	903.4	871.3	32.09	28.147	
4,500.0	4,460.1	4,506.6	4,494.7	16.9	16.1	109.19	-486.0	720.9	905.7	872.8	32.86	27.559	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Tiger - Tiger #204H - Wellbore #1 - Final Survey

Offset Site Error: 0.0 usft

Survey Program: 55-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,600.0	4,558.3	4,599.8	4,587.8	17.4	16.4	110.03	-481.6	722.5	908.7	875.1	33.62	27.026	
4,700.0	4,656.4	4,692.4	4,680.3	17.8	16.8	110.86	-477.8	724.3	912.7	878.3	34.38	26.546	
4,800.0	4,754.6	4,787.5	4,775.4	18.2	17.1	111.72	-474.4	726.3	917.4	882.3	35.14	26.105	
4,900.0	4,852.8	4,883.4	4,871.2	18.7	17.5	112.59	-471.5	728.1	922.7	886.8	35.91	25.698	
5,000.0	4,950.9	4,978.5	4,966.2	19.1	17.8	113.47	-469.0	729.8	928.6	891.9	36.66	25.329	
5,100.0	5,049.1	5,073.1	5,060.8	19.6	18.1	114.37	-467.1	731.0	935.1	897.7	37.41	24.996	
5,200.0	5,147.3	5,167.6	5,155.3	20.0	18.5	115.28	-465.8	732.1	942.4	904.2	38.16	24.698	
5,300.0	5,245.5	5,262.0	5,249.7	20.5	18.8	116.19	-464.9	733.1	950.2	911.4	38.90	24.430	
5,400.0	5,343.6	5,356.8	5,344.5	20.9	19.1	117.09	-464.4	734.1	958.8	919.2	39.63	24.192	
5,500.0	5,441.8	5,451.6	5,439.3	21.4	19.5	117.98	-464.2	735.2	968.0	927.6	40.37	23.980	
5,600.0	5,540.0	5,544.0	5,531.6	21.8	19.8	118.84	-464.5	736.3	977.9	936.8	41.08	23.805	
5,700.0	5,638.1	5,635.7	5,623.4	22.3	20.1	119.69	-465.4	737.5	988.6	946.8	41.78	23.661	
5,800.0	5,736.3	5,728.5	5,716.1	22.8	20.4	120.54	-467.0	738.6	1,000.2	957.8	42.48	23.545	
5,900.0	5,834.5	5,821.2	5,808.8	23.2	20.7	121.39	-469.0	739.5	1,012.6	969.4	43.18	23.452	
6,000.0	5,932.7	5,919.6	5,907.1	23.7	21.0	122.30	-471.6	740.1	1,025.5	981.6	43.90	23.360	
6,100.0	6,030.8	6,019.2	6,006.7	24.1	21.4	123.22	-474.2	740.2	1,038.5	993.9	44.63	23.271	
6,200.0	6,129.0	6,117.0	6,104.5	24.6	21.7	124.13	-476.8	739.8	1,051.7	1,006.4	45.34	23.196	
6,300.0	6,227.2	6,214.6	6,202.1	25.0	22.0	125.03	-479.4	739.2	1,065.1	1,019.1	46.05	23.131	
6,400.0	6,325.3	6,319.7	6,307.1	25.5	22.3	125.99	-481.9	738.2	1,078.5	1,031.7	46.80	23.046	
6,500.0	6,423.5	6,425.4	6,412.7	25.9	22.7	126.96	-483.9	736.5	1,091.4	1,043.9	47.55	22.954	
6,600.0	6,521.7	6,533.3	6,520.7	26.4	23.1	127.90	-484.9	734.9	1,103.8	1,055.5	48.31	22.848	
6,700.0	6,619.9	6,633.3	6,620.7	26.9	23.4	128.73	-485.0	734.0	1,115.7	1,066.7	49.03	22.754	
6,800.0	6,718.0	6,724.2	6,711.5	27.3	23.7	129.46	-485.4	733.3	1,128.2	1,078.5	49.71	22.699	
6,900.0	6,816.2	6,823.0	6,810.3	27.8	24.0	130.24	-486.4	732.5	1,141.5	1,091.0	50.42	22.639	
7,000.0	6,914.4	6,933.2	6,920.5	28.2	24.4	131.13	-486.7	730.8	1,154.1	1,102.9	51.19	22.544	
7,100.0	7,012.5	7,104.4	7,091.5	28.7	25.0	132.47	-481.7	727.5	1,164.1	1,111.9	52.20	22.301	
7,200.0	7,110.7	7,206.0	7,192.8	29.1	25.3	133.23	-474.0	725.6	1,169.4	1,116.5	52.93	22.093	
7,300.0	7,208.9	7,276.7	7,263.4	29.6	25.6	133.82	-470.1	723.0	1,176.9	1,123.4	53.55	21.976	
7,400.0	7,307.1	7,348.2	7,334.8	30.1	25.8	134.43	-467.9	720.0	1,187.0	1,132.8	54.14	21.922	
7,500.0	7,405.2	7,426.9	7,413.4	30.5	26.1	135.10	-467.0	716.7	1,199.1	1,144.4	54.74	21.904	
7,514.9	7,419.9	7,442.8	7,429.4	30.6	26.2	135.24	-466.9	716.0	1,201.1	1,146.2	54.85	21.896	
7,600.0	7,503.6	7,549.3	7,535.6	31.0	26.5	136.25	-465.1	710.1	1,210.5	1,154.9	55.55	21.790	
7,700.0	7,602.4	7,621.0	7,607.2	31.4	26.8	136.90	-463.5	706.2	1,219.7	1,163.6	56.10	21.743	
7,800.0	7,701.5	7,685.9	7,672.1	31.8	27.0	137.34	-463.6	705.0	1,229.7	1,173.2	56.57	21.737	
7,900.0	7,801.0	7,747.6	7,733.7	32.2	27.2	137.56	-466.3	707.1	1,241.6	1,184.6	56.99	21.788	
8,000.0	7,900.7	7,828.8	7,814.5	32.6	27.5	137.60	-471.6	713.2	1,253.9	1,196.3	57.54	21.791	
8,100.0	8,000.5	8,100.0	7,960.2	32.9	28.4	137.61	-478.8	719.9	1,262.4	1,203.4	59.05	21.379	
8,200.0	8,100.5	8,153.9	8,139.0	33.2	28.6	137.89	-475.8	717.3	1,261.2	1,201.5	59.76	21.106	
8,246.5	8,147.0	8,196.1	8,181.2	33.4	28.7	-179.72	-474.7	716.0	1,260.2	1,200.1	60.04	20.988	
8,250.0	8,150.5	8,199.8	8,184.9	33.4	28.7	-90.17	-474.6	715.9	1,260.1	1,200.0	60.07	20.978	
8,300.0	8,200.4	8,253.4	8,238.5	33.5	28.9	-90.36	-473.1	714.4	1,258.7	1,198.3	60.40	20.839	
8,350.0	8,249.9	8,304.2	8,289.2	33.6	29.1	-90.76	-471.6	713.2	1,257.3	1,196.6	60.72	20.705	
8,400.0	8,298.7	8,352.3	8,337.3	33.7	29.3	-91.33	-470.2	712.1	1,256.0	1,194.9	61.02	20.581	
8,450.0	8,346.2	8,396.4	8,381.4	33.8	29.4	-92.01	-468.9	711.1	1,254.9	1,193.6	61.31	20.470	
8,500.0	8,392.3	8,437.4	8,422.3	33.9	29.6	-92.74	-467.9	710.1	1,254.5	1,192.9	61.57	20.375	
8,508.3	8,399.8	8,444.0	8,429.0	33.9	29.6	-92.87	-467.8	710.0	1,254.4	1,192.8	61.61	20.361	
8,550.0	8,436.5	8,475.5	8,460.5	33.9	29.7	-93.49	-467.2	709.2	1,254.7	1,192.9	61.82	20.297	
8,600.0	8,478.5	8,508.9	8,493.9	34.0	29.8	-94.16	-466.7	708.5	1,256.0	1,194.0	62.04	20.245	
8,650.0	8,518.0	8,540.2	8,525.1	34.0	29.9	-94.76	-466.5	708.0	1,258.6	1,196.3	62.26	20.215	
8,700.0	8,554.6	8,569.2	8,554.1	34.0	30.0	-95.24	-466.5	707.6	1,262.5	1,200.1	62.47	20.210	
8,750.0	8,588.1	8,596.0	8,580.9	34.0	30.1	-95.58	-466.7	707.2	1,268.1	1,205.4	62.68	20.231	
8,800.0	8,618.3	8,620.3	8,605.2	33.9	30.2	-95.71	-467.0	706.8	1,275.3	1,212.4	62.88	20.280	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Tiger - Tiger #204H - Wellbore #1 - Final Survey — **Offset Site Error:** 0.0 usft

Survey Program: 55-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,850.0	8,644.9	8,642.0	8,626.9	33.9	30.3	-95.62	-467.4	706.3	1,284.3	1,221.2	63.09	20.357	
8,900.0	8,667.7	8,661.1	8,646.0	33.9	30.3	-95.27	-467.8	705.9	1,295.2	1,231.9	63.30	20.463	
8,950.0	8,686.6	8,677.6	8,662.5	33.9	30.4	-94.63	-468.2	705.5	1,308.1	1,244.5	63.51	20.597	
9,000.0	8,701.3	8,691.0	8,675.8	33.9	30.4	-93.67	-468.6	705.1	1,322.8	1,259.0	63.71	20.761	
9,050.0	8,711.8	8,701.0	8,685.8	33.9	30.5	-92.35	-468.9	704.8	1,339.3	1,275.4	63.91	20.955	
9,100.0	8,718.1	8,707.5	8,692.4	33.9	30.5	-90.68	-469.2	704.6	1,357.6	1,293.5	64.10	21.178	
9,146.5	8,720.0	8,710.3	8,695.2	33.9	30.5	-88.80	-469.3	704.5	1,376.1	1,311.8	64.27	21.411	
9,200.0	8,720.0	8,711.8	8,696.7	34.1	30.5	-88.87	-469.3	704.5	1,398.9	1,334.4	64.45	21.704	
9,300.0	8,720.0	8,714.6	8,699.5	34.5	30.5	-89.00	-469.4	704.4	1,445.9	1,381.1	64.82	22.305	
9,400.0	8,720.0	8,717.5	8,702.3	35.2	30.5	-89.13	-469.5	704.3	1,498.1	1,432.9	65.21	22.974	
9,500.0	8,720.0	10,075.7	9,621.0	36.2	37.3	-126.50	-424.5	-79.7	1,518.2	1,455.0	63.21	24.019	
9,600.0	8,720.0	10,134.4	9,630.4	37.3	37.9	-126.76	-425.3	-137.7	1,529.0	1,464.6	64.45	23.726	
9,700.0	8,720.0	10,427.6	9,657.2	38.6	41.6	-127.45	-427.9	-429.1	1,539.0	1,470.6	68.40	22.500	
9,771.3	8,720.0	10,483.6	9,656.7	39.5	42.4	-127.44	-427.4	-485.1	1,538.6	1,468.8	69.84	22.031	
9,800.0	8,720.0	10,506.0	9,656.6	39.9	42.7	-127.43	-427.4	-507.5	1,538.7	1,468.3	70.42	21.851	
9,900.0	8,720.0	10,582.9	9,656.7	41.4	43.9	-127.41	-427.9	-584.4	1,539.8	1,467.3	72.53	21.231	
10,000.0	8,720.0	10,795.2	9,653.4	43.0	47.3	-127.38	-423.4	-796.6	1,537.5	1,460.6	76.89	19.997	
10,100.0	8,720.0	10,910.4	9,647.8	44.6	49.3	-127.30	-418.6	-911.5	1,531.9	1,451.9	79.96	19.159	
10,200.0	8,720.0	11,043.2	9,637.6	46.3	51.6	-127.10	-412.7	-1,043.8	1,524.3	1,440.8	83.53	18.249	
10,300.0	8,720.0	11,127.2	9,630.5	48.1	53.2	-126.96	-408.7	-1,127.3	1,516.1	1,429.7	86.35	17.558	
10,400.0	8,720.0	11,198.9	9,627.3	50.0	54.5	-126.95	-404.6	-1,198.9	1,509.4	1,420.5	88.92	16.976	
10,500.0	8,720.0	11,254.0	9,625.7	51.8	55.6	-126.95	-402.1	-1,253.9	1,504.9	1,413.7	91.20	16.501	
10,579.8	8,720.0	11,293.5	9,625.3	53.4	56.3	-126.95	-401.0	-1,293.4	1,503.5	1,410.6	92.93	16.179	
10,600.0	8,720.0	11,301.4	9,625.4	53.8	56.5	-126.96	-401.0	-1,301.3	1,503.6	1,410.3	93.32	16.112	
10,700.0	8,720.0	11,349.0	9,627.0	55.8	57.4	-126.99	-401.3	-1,348.9	1,506.5	1,411.1	95.39	15.793	
10,800.0	8,720.0	11,426.2	9,630.9	57.8	58.9	-127.04	-403.4	-1,425.9	1,512.1	1,414.0	98.07	15.419	
10,900.0	8,720.0	11,532.8	9,635.7	59.8	61.0	-127.10	-406.4	-1,532.4	1,517.7	1,416.3	101.44	14.962	
11,000.0	8,720.0	11,624.2	9,639.9	61.9	62.9	-127.15	-409.0	-1,623.7	1,523.3	1,418.8	104.52	14.574	
11,100.0	8,720.0	11,738.5	9,644.3	64.0	65.2	-127.18	-412.7	-1,737.8	1,528.9	1,420.7	108.20	14.130	
11,200.0	8,720.0	11,996.2	9,636.6	66.1	70.5	-126.87	-414.2	-1,995.1	1,527.3	1,412.0	115.36	13.240	
11,300.0	8,720.0	12,086.2	9,630.4	68.2	72.4	-126.71	-412.5	-2,084.9	1,522.3	1,403.4	118.86	12.807	
11,400.0	8,720.0	12,178.1	9,624.1	70.4	74.4	-126.52	-411.5	-2,176.5	1,517.9	1,395.4	122.46	12.395	
11,500.0	8,720.0	12,266.7	9,618.3	72.6	76.3	-126.35	-410.9	-2,265.0	1,514.1	1,388.1	126.02	12.015	
11,600.0	8,720.0	12,361.3	9,612.5	74.8	78.3	-126.16	-410.7	-2,359.4	1,511.0	1,381.2	129.76	11.645	
11,700.0	8,720.0	12,437.7	9,608.5	77.0	80.0	-126.02	-410.7	-2,435.7	1,508.5	1,375.5	133.06	11.337	
11,766.3	8,720.0	12,482.0	9,607.6	78.5	81.0	-125.99	-410.6	-2,480.0	1,508.0	1,373.0	135.04	11.167	
11,800.0	8,720.0	12,503.3	9,607.4	79.2	81.4	-125.98	-410.7	-2,501.3	1,508.2	1,372.2	135.99	11.090	
11,900.0	8,720.0	12,576.0	9,608.7	81.5	83.0	-125.99	-411.4	-2,574.0	1,510.4	1,371.4	138.99	10.867	
12,000.0	8,720.0	12,685.2	9,611.2	83.7	85.4	-126.01	-412.8	-2,683.1	1,513.5	1,370.7	142.87	10.593	
12,100.0	8,720.0	12,921.9	9,611.0	86.0	90.7	-126.07	-408.1	-2,919.7	1,514.5	1,365.0	149.45	10.134	
12,200.0	8,720.0	13,056.3	9,604.2	88.3	93.7	-126.08	-397.5	-3,053.4	1,505.5	1,351.7	153.77	9.790	
12,300.0	8,720.0	13,128.0	9,601.4	90.5	95.3	-126.11	-391.6	-3,124.8	1,497.2	1,340.2	156.99	9.537	
12,400.0	8,720.0	13,209.2	9,599.7	92.8	97.2	-126.18	-385.5	-3,205.8	1,490.5	1,330.2	160.31	9.298	
12,500.0	8,720.0	13,292.7	9,598.4	95.1	99.0	-126.25	-380.0	-3,289.1	1,484.8	1,321.2	163.65	9.073	
12,600.0	8,720.0	13,376.8	9,597.3	97.4	101.0	-126.31	-375.4	-3,373.1	1,480.3	1,313.2	167.02	8.863	
12,700.0	8,720.0	13,469.3	9,596.4	99.8	103.1	-126.36	-371.2	-3,465.4	1,476.6	1,306.1	170.57	8.657	
12,800.0	8,720.0	13,587.1	9,595.4	102.1	105.8	-126.44	-365.3	-3,583.1	1,472.8	1,298.2	174.60	8.435	
12,900.0	8,720.0	13,669.8	9,593.1	104.4	107.6	-126.44	-361.7	-3,665.7	1,468.2	1,290.2	178.05	8.246	
13,000.0	8,720.0	13,733.5	9,591.5	106.7	109.1	-126.41	-360.3	-3,729.4	1,465.8	1,284.7	181.11	8.094	
13,036.8	8,720.0	13,754.2	9,591.3	107.6	109.6	-126.41	-360.2	-3,750.1	1,465.6	1,283.5	182.13	8.047	
13,100.0	8,720.0	13,804.0	9,591.6	109.1	110.7	-126.40	-360.4	-3,799.9	1,466.3	1,282.1	184.21	7.960	
13,200.0	8,720.0	13,912.8	9,592.3	111.4	113.2	-126.40	-360.8	-3,908.6	1,467.6	1,279.4	188.28	7.795	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Tiger - Tiger #204H - Wellbore #1 - Final Survey — **Offset Site Error:** 0.0 usft

Survey Program: 55-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,300.0	8,720.0	14,030.3	9,592.3	113.8	115.9	-126.39	-360.4	-4,026.2	1,468.1	1,275.5	192.58	7.623	
13,400.0	8,720.0	14,133.6	9,589.5	116.1	118.3	-126.31	-358.9	-4,129.4	1,465.9	1,269.2	196.66	7.454	
13,437.3	8,720.0	14,154.9	9,589.2	117.0	118.8	-126.30	-358.8	-4,150.7	1,465.7	1,267.9	197.73	7.412	
13,500.0	8,720.0	14,198.5	9,589.1	118.5	119.8	-126.29	-359.0	-4,194.3	1,466.2	1,266.5	199.68	7.343	
13,600.0	8,720.0	14,305.9	9,588.9	120.8	122.3	-126.24	-359.7	-4,301.7	1,467.2	1,263.4	203.83	7.198	
13,700.0	8,720.0	14,431.8	9,588.0	123.2	125.2	-126.20	-359.5	-4,427.6	1,467.3	1,258.9	208.47	7.039	
13,745.5	8,720.0	14,463.0	9,587.4	124.3	125.9	-126.18	-359.3	-4,458.8	1,467.0	1,257.0	209.92	6.988	
13,800.0	8,720.0	14,463.0	9,587.4	125.6	125.9	-126.18	-359.3	-4,458.8	1,468.0	1,257.5	210.51	6.973	SF
13,900.0	8,720.0	14,463.0	9,587.4	127.9	125.9	-126.18	-359.3	-4,458.8	1,475.1	1,264.1	210.93	6.993	
14,000.0	8,720.0	14,463.0	9,587.4	130.3	125.9	-126.18	-359.3	-4,458.8	1,488.9	1,278.4	210.48	7.074	
14,100.0	8,720.0	14,463.0	9,587.4	132.7	125.9	-126.18	-359.3	-4,458.8	1,509.2	1,300.0	209.24	7.213	
14,200.0	8,720.0	14,463.0	9,587.4	135.1	125.9	-126.18	-359.3	-4,458.8	1,535.8	1,328.5	207.27	7.410	
14,300.0	8,720.0	14,463.0	9,587.4	137.4	125.9	-126.18	-359.3	-4,458.8	1,568.3	1,363.6	204.68	7.662	
14,400.0	8,720.0	14,463.0	9,587.4	139.8	125.9	-126.18	-359.3	-4,458.8	1,606.4	1,404.8	201.57	7.969	
14,500.0	8,720.0	14,463.0	9,587.4	142.2	125.9	-126.18	-359.3	-4,458.8	1,649.6	1,451.6	198.07	8.329	
14,600.0	8,720.0	14,463.0	9,587.4	144.6	125.9	-126.18	-359.3	-4,458.8	1,697.7	1,503.4	194.27	8.739	
14,700.0	8,720.0	14,463.0	9,587.4	147.0	125.9	-126.18	-359.3	-4,458.8	1,750.2	1,559.9	190.28	9.198	
14,800.0	8,720.0	14,463.0	9,587.4	149.4	125.9	-126.18	-359.3	-4,458.8	1,806.7	1,620.5	186.18	9.704	
14,900.0	8,720.0	14,463.0	9,587.4	151.8	125.9	-126.18	-359.3	-4,458.8	1,866.8	1,684.8	182.03	10.255	
15,000.0	8,720.0	14,463.0	9,587.4	154.2	125.9	-126.18	-359.3	-4,458.8	1,930.2	1,752.3	177.90	10.850	
15,100.0	8,720.0	14,463.0	9,587.4	156.6	125.9	-126.18	-359.3	-4,458.8	1,996.7	1,822.8	173.84	11.486	
15,200.0	8,720.0	14,463.0	9,587.4	159.0	125.9	-126.18	-359.3	-4,458.8	2,065.8	1,896.0	169.87	12.162	
15,300.0	8,720.0	14,463.0	9,587.4	161.4	125.9	-126.18	-359.3	-4,458.8	2,137.4	1,971.4	166.02	12.875	
15,400.0	8,720.0	14,463.0	9,587.4	163.8	125.9	-126.18	-359.3	-4,458.8	2,211.2	2,048.9	162.30	13.624	
15,500.0	8,720.0	14,463.0	9,587.4	166.2	125.9	-126.18	-359.3	-4,458.8	2,287.0	2,128.3	158.74	14.407	
15,600.0	8,720.0	14,463.0	9,587.4	168.6	125.9	-126.18	-359.3	-4,458.8	2,364.6	2,209.3	155.34	15.222	
15,700.0	8,720.0	14,463.0	9,587.4	171.0	125.9	-126.18	-359.3	-4,458.8	2,443.8	2,291.7	152.09	16.068	
15,800.0	8,720.0	14,463.0	9,587.4	173.4	125.9	-126.18	-359.3	-4,458.8	2,524.5	2,375.5	149.00	16.943	
15,900.0	8,720.0	14,463.0	9,587.4	175.8	125.9	-126.18	-359.3	-4,458.8	2,606.5	2,460.5	146.06	17.846	
16,000.0	8,720.0	14,463.0	9,587.4	178.2	125.9	-126.18	-359.3	-4,458.8	2,689.8	2,546.5	143.28	18.773	
16,100.0	8,720.0	14,463.0	9,587.4	180.6	125.9	-126.18	-359.3	-4,458.8	2,774.1	2,633.5	140.64	19.726	
16,200.0	8,720.0	14,463.0	9,587.4	183.0	125.9	-126.18	-359.3	-4,458.8	2,859.5	2,721.4	138.14	20.700	
16,300.0	8,720.0	14,463.0	9,587.4	185.5	125.9	-126.18	-359.3	-4,458.8	2,945.8	2,810.0	135.77	21.697	
16,400.0	8,720.0	14,463.0	9,587.4	187.9	125.9	-126.18	-359.3	-4,458.8	3,032.9	2,899.4	133.53	22.713	
16,500.0	8,720.0	14,463.0	9,587.4	190.3	125.9	-126.18	-359.3	-4,458.8	3,120.8	2,989.4	131.41	23.748	
16,600.0	8,720.0	14,463.0	9,587.4	192.7	125.9	-126.18	-359.3	-4,458.8	3,209.4	3,080.0	129.41	24.801	
16,700.0	8,720.0	14,463.0	9,587.4	195.1	125.9	-126.18	-359.3	-4,458.8	3,298.7	3,171.2	127.51	25.870	
16,800.0	8,720.0	14,463.0	9,587.4	197.5	125.9	-126.18	-359.3	-4,458.8	3,388.5	3,262.8	125.71	26.954	
16,900.0	8,720.0	14,463.0	9,587.4	200.0	125.9	-126.18	-359.3	-4,458.8	3,478.9	3,354.9	124.01	28.053	
17,000.0	8,720.0	14,463.0	9,587.4	202.4	125.9	-126.18	-359.3	-4,458.8	3,569.9	3,447.5	122.40	29.165	
17,100.0	8,720.0	14,463.0	9,587.4	204.8	125.9	-126.18	-359.3	-4,458.8	3,661.3	3,540.4	120.88	30.289	
17,200.0	8,720.0	14,463.0	9,587.4	207.2	125.9	-126.18	-359.3	-4,458.8	3,753.1	3,633.7	119.43	31.425	
17,300.0	8,720.0	14,463.0	9,587.4	209.6	125.9	-126.18	-359.3	-4,458.8	3,845.4	3,727.3	118.06	32.571	
17,400.0	8,720.0	14,463.0	9,587.4	212.1	125.9	-126.18	-359.3	-4,458.8	3,938.0	3,821.2	116.76	33.727	
17,500.0	8,720.0	14,463.0	9,587.4	214.5	125.9	-126.18	-359.3	-4,458.8	4,030.9	3,915.4	115.53	34.892	
17,600.0	8,720.0	14,463.0	9,587.4	216.9	125.9	-126.18	-359.3	-4,458.8	4,124.3	4,009.9	114.36	36.065	
17,700.0	8,720.0	14,463.0	9,587.4	219.3	125.9	-126.18	-359.3	-4,458.8	4,217.9	4,104.6	113.24	37.246	
17,800.0	8,720.0	14,463.0	9,587.4	221.8	125.9	-126.18	-359.3	-4,458.8	4,311.8	4,199.6	112.19	38.434	
17,900.0	8,720.0	14,463.0	9,587.4	224.2	125.9	-126.18	-359.3	-4,458.8	4,405.9	4,294.7	111.18	39.628	
18,000.0	8,720.0	14,463.0	9,587.4	226.6	125.9	-126.18	-359.3	-4,458.8	4,500.3	4,390.1	110.23	40.828	
18,100.0	8,720.0	14,463.0	9,587.4	229.1	125.9	-126.18	-359.3	-4,458.8	4,595.0	4,485.7	109.32	42.033	
18,200.0	8,720.0	14,463.0	9,587.4	231.5	125.9	-126.18	-359.3	-4,458.8	4,689.9	4,581.4	108.45	43.243	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Tiger - Tiger #204H - Wellbore #1 - Final Survey

Offset Site Error: 0.0 usft

Survey Program: 55-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,300.0	8,720.0	14,463.0	9,587.4	233.9	125.9	-126.18	-359.3	-4,458.8	4,785.0	4,677.3	107.63	44.458	
18,400.0	8,720.0	14,463.0	9,587.4	236.3	125.9	-126.18	-359.3	-4,458.8	4,880.2	4,773.4	106.84	45.676	
18,500.0	8,720.0	14,463.0	9,587.4	238.8	125.9	-126.18	-359.3	-4,458.8	4,975.7	4,869.6	106.10	46.898	
18,600.0	8,720.0	14,463.0	9,587.4	241.2	125.9	-126.18	-359.3	-4,458.8	5,071.3	4,966.0	105.38	48.123	
18,700.0	8,720.0	14,463.0	9,587.4	243.6	125.9	-126.18	-359.3	-4,458.8	5,167.2	5,062.4	104.70	49.350	
18,800.0	8,720.0	14,463.0	9,587.4	246.1	125.9	-126.18	-359.3	-4,458.8	5,263.1	5,159.1	104.06	50.580	
18,900.0	8,720.0	14,463.0	9,587.4	248.5	125.9	-126.18	-359.3	-4,458.8	5,359.2	5,255.8	103.44	51.812	
19,000.0	8,720.0	14,463.0	9,587.4	250.9	125.9	-126.18	-359.3	-4,458.8	5,455.5	5,352.6	102.85	53.045	
19,100.0	8,720.0	14,463.0	9,587.4	253.4	125.9	-126.18	-359.3	-4,458.8	5,551.9	5,449.6	102.28	54.280	
19,176.7	8,720.0	14,463.0	9,587.4	255.2	125.9	-126.18	-359.3	-4,458.8	5,625.9	5,524.0	101.87	55.229	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Tiger - Tiger #227H - Wellbore #1 - Final Survey — **Offset Site Error:** 0.0 usft

Survey Program: 115-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	61.68	318.4	590.9	671.2				
100.0	100.0	90.7	90.7	0.1	0.1	61.67	318.8	591.2	671.7	671.5	0.26	2,603.915	
200.0	200.0	189.4	189.4	0.5	0.4	61.63	319.8	592.2	673.1	672.1	0.91	738.593	
300.0	300.0	295.0	295.0	0.8	0.8	61.57	320.8	592.7	674.0	672.3	1.65	409.667	
400.0	400.0	392.7	392.7	1.2	1.1	-149.08	321.6	592.9	675.3	673.0	2.34	288.777	
424.5	424.5	415.7	415.7	1.3	1.2	-149.12	321.9	593.0	675.9	673.4	2.50	269.936	
500.0	500.0	485.5	485.5	1.5	1.5	-149.21	322.7	593.7	678.4	675.4	3.01	225.278	
600.0	599.9	586.9	586.8	1.9	1.8	-149.31	323.5	595.3	682.1	678.4	3.72	183.467	
700.0	699.9	688.9	688.8	2.2	2.2	-149.37	323.9	596.8	685.4	681.0	4.43	154.735	
800.0	799.9	792.6	792.5	2.6	2.6	-149.43	324.0	598.0	688.4	683.2	5.15	133.659	
900.0	899.9	895.8	895.7	2.9	2.9	-149.49	323.9	598.7	690.8	684.9	5.87	117.705	
1,000.0	999.9	1,001.4	1,001.2	3.3	3.3	-149.29	320.8	600.3	692.5	686.0	6.59	105.078	
1,100.0	1,099.8	1,102.1	1,101.6	3.7	3.7	-148.70	313.2	603.7	693.8	686.5	7.30	95.062	
1,200.0	1,199.8	1,197.9	1,196.8	4.0	4.0	-147.90	303.6	608.6	695.4	687.4	8.00	86.948	
1,300.0	1,299.8	1,297.2	1,295.5	4.4	4.4	-147.07	293.7	614.0	697.6	688.9	8.72	80.006	
1,400.0	1,399.8	1,398.4	1,396.1	4.7	4.7	-146.32	284.5	618.7	699.6	690.2	9.45	74.024	
1,475.7	1,475.5	1,471.5	1,468.9	5.0	5.0	-145.83	278.5	621.9	701.3	691.3	9.99	70.167	
1,500.0	1,499.7	1,493.8	1,491.1	5.1	5.1	-145.68	276.6	622.9	701.9	691.7	10.16	69.050	
1,600.3	1,600.0	1,593.7	1,590.4	5.4	5.5	65.72	267.4	628.6	703.9	693.0	10.89	64.633	
1,700.0	1,699.7	1,700.3	1,696.1	5.8	5.9	24.57	254.8	634.9	703.7	692.1	11.64	60.458	
1,800.0	1,799.7	1,798.9	1,793.7	6.1	6.3	25.79	242.2	640.4	701.6	689.3	12.36	56.747	
1,900.0	1,899.6	1,897.9	1,891.9	6.4	6.7	27.02	230.4	645.7	698.5	685.4	13.09	53.348	
2,000.0	1,999.4	1,991.7	1,984.9	6.8	7.0	28.23	219.6	650.9	694.3	680.5	13.80	50.306	
2,100.0	2,099.1	2,090.4	2,082.8	7.1	7.4	29.59	208.5	656.8	689.4	674.9	14.53	47.437	
2,200.0	2,198.6	2,202.6	2,194.1	7.5	7.9	31.21	196.0	662.2	682.5	667.2	15.32	44.547	
2,300.0	2,298.0	2,298.9	2,289.8	7.8	8.3	32.69	185.5	665.9	673.6	657.6	16.04	41.985	
2,400.0	2,397.1	2,389.6	2,379.8	8.2	8.6	34.25	175.1	670.2	664.4	647.6	16.75	39.667	
2,500.0	2,496.0	2,493.4	2,482.9	8.5	9.0	36.08	164.3	674.7	654.2	636.7	17.51	37.370	
2,600.0	2,594.7	2,592.1	2,581.2	8.9	9.4	37.83	155.7	678.1	642.7	624.4	18.24	35.236	
2,697.6	2,690.7	2,686.5	2,675.2	9.3	9.8	39.62	147.9	681.3	630.7	611.7	18.95	33.285	
2,700.0	2,693.0	2,688.9	2,677.6	9.3	9.8	39.66	147.6	681.4	630.4	611.4	18.97	33.237	
2,800.0	2,791.2	2,787.8	2,776.1	9.7	10.2	41.64	138.8	684.6	617.9	598.2	19.71	31.355	
2,900.0	2,889.3	2,885.4	2,873.2	10.1	10.5	43.61	130.5	687.5	606.0	585.5	20.45	29.635	
3,000.0	2,987.5	2,981.1	2,968.6	10.5	10.9	45.62	122.5	690.4	594.9	573.7	21.19	28.075	
3,100.0	3,085.7	3,075.9	3,062.7	10.9	11.3	47.95	111.6	693.7	584.9	563.0	21.94	26.659	
3,200.0	3,183.8	3,169.5	3,155.5	11.3	11.7	50.47	99.3	697.1	576.4	553.7	22.70	25.394	
3,300.0	3,282.0	3,262.8	3,247.9	11.7	12.1	53.02	87.4	701.0	569.7	546.2	23.46	24.283	
3,400.0	3,380.2	3,358.6	3,342.9	12.1	12.4	55.63	75.6	705.5	564.5	540.3	24.23	23.298	
3,500.0	3,478.4	3,466.2	3,449.7	12.6	12.9	58.55	63.0	709.8	560.0	535.0	25.06	22.348	
3,600.0	3,576.5	3,569.6	3,552.3	13.0	13.3	61.44	51.2	711.4	554.4	528.5	25.86	21.436	
3,700.0	3,674.7	3,666.9	3,649.0	13.4	13.7	64.16	40.5	712.7	549.8	523.2	26.65	20.635	
3,800.0	3,772.9	3,765.2	3,746.8	13.8	14.1	66.91	30.2	713.9	546.2	518.8	27.43	19.914	
3,900.0	3,871.1	3,863.0	3,844.1	14.3	14.4	69.63	20.5	714.9	543.6	515.4	28.21	19.269	
3,988.8	3,958.2	3,943.4	3,924.1	14.7	14.8	71.88	12.4	715.9	542.6	513.7	28.88	18.788	CC
4,000.0	3,969.2	3,953.4	3,934.0	14.7	14.8	72.15	11.4	716.1	542.6	513.7	28.96	18.735	ES
4,100.0	4,067.4	4,045.0	4,025.2	15.1	15.2	74.66	2.2	718.5	544.1	514.3	29.72	18.308	
4,200.0	4,165.6	4,143.6	4,123.2	15.6	15.5	77.29	-7.5	721.6	547.0	516.5	30.50	17.934	
4,300.0	4,263.7	4,242.6	4,221.8	16.0	15.9	79.87	-16.6	724.5	550.6	519.3	31.29	17.600	
4,400.0	4,361.9	4,344.2	4,322.9	16.5	16.3	82.44	-25.3	727.2	554.8	522.7	32.08	17.293	
4,500.0	4,460.1	4,442.0	4,420.4	16.9	16.7	84.84	-33.2	729.5	559.4	526.6	32.85	17.029	
4,600.0	4,558.3	4,541.9	4,520.0	17.4	17.1	87.24	-40.8	731.7	564.8	531.2	33.63	16.793	
4,700.0	4,656.4	4,629.0	4,606.8	17.8	17.4	89.24	-47.6	734.4	571.8	537.5	34.34	16.652	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Tiger - Tiger #227H - Wellbore #1 - Final Survey — **Offset Site Error:** 0.0 usft

Survey Program: 115-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,800.0	4,754.6	4,722.5	4,699.8	18.2	17.8	91.28	-55.1	738.5	580.8	545.7	35.08	16.557	
4,900.0	4,852.8	4,823.6	4,800.5	18.7	18.2	93.39	-63.1	743.2	590.6	554.7	35.86	16.467	
5,000.0	4,950.9	4,933.4	4,910.1	19.1	18.6	95.54	-70.1	747.7	599.7	563.0	36.70	16.342	
5,100.0	5,049.1	5,039.7	5,016.2	19.6	19.0	97.48	-74.7	751.5	607.6	570.1	37.50	16.203	
5,200.0	5,147.3	5,140.4	5,116.8	20.0	19.3	99.26	-78.6	754.6	615.4	577.2	38.27	16.080	
5,300.0	5,245.5	5,240.1	5,216.4	20.5	19.7	100.98	-82.0	757.4	623.3	584.3	39.04	15.966	
5,400.0	5,343.6	5,342.4	5,318.6	20.9	20.1	102.69	-85.2	760.1	631.5	591.7	39.82	15.861	
5,500.0	5,441.8	5,442.7	5,418.8	21.4	20.4	104.41	-88.3	761.6	639.4	598.9	40.58	15.757	
5,600.0	5,540.0	5,539.9	5,516.0	21.8	20.8	106.05	-91.2	762.9	647.9	606.6	41.33	15.676	
5,700.0	5,638.1	5,648.5	5,624.5	22.3	21.1	107.87	-94.3	763.6	656.4	614.3	42.12	15.584	
5,800.0	5,736.3	5,749.4	5,725.4	22.8	21.5	109.57	-96.3	763.1	664.1	621.2	42.87	15.491	
5,900.0	5,834.5	5,844.5	5,820.4	23.2	21.8	111.14	-98.2	762.6	672.4	628.8	43.60	15.422	
6,000.0	5,932.7	5,942.0	5,917.9	23.7	22.1	112.73	-100.5	762.1	681.5	637.2	44.34	15.371	
6,100.0	6,030.8	6,040.6	6,016.5	24.1	22.5	114.30	-102.8	761.3	691.1	646.0	45.08	15.332	
6,200.0	6,129.0	6,139.4	6,115.3	24.6	22.8	115.85	-105.0	760.3	701.0	655.2	45.81	15.302	
6,300.0	6,227.2	6,235.7	6,211.6	25.0	23.1	117.33	-107.2	759.3	711.5	664.9	46.53	15.290	
6,400.0	6,325.3	6,335.3	6,311.1	25.5	23.5	118.81	-109.6	758.3	722.5	675.2	47.26	15.287	
6,500.0	6,423.5	6,441.5	6,417.3	25.9	23.8	120.34	-111.2	757.1	733.1	685.1	48.01	15.269	
6,600.0	6,521.7	6,545.2	6,521.0	26.4	24.2	121.80	-111.9	755.3	743.3	694.5	48.74	15.249	
6,700.0	6,619.9	6,644.4	6,620.2	26.9	24.5	123.18	-112.0	753.2	753.3	703.8	49.45	15.233	
6,800.0	6,718.0	6,744.1	6,719.9	27.3	24.8	124.48	-112.1	751.8	763.7	713.5	50.16	15.226	
6,900.0	6,816.2	6,841.6	6,817.3	27.8	25.1	125.81	-112.1	749.2	774.2	723.4	50.85	15.225	
7,000.0	6,914.4	6,944.1	6,919.8	28.2	25.4	127.13	-112.0	746.9	785.1	733.6	51.56	15.228	
7,100.0	7,012.5	7,048.5	7,024.2	28.7	25.8	128.25	-110.5	747.1	795.5	743.3	52.28	15.218	
7,200.0	7,110.7	7,148.5	7,124.1	29.1	26.1	129.31	-108.7	746.9	805.7	752.8	52.98	15.209	
7,300.0	7,208.9	7,255.7	7,231.3	29.6	26.4	130.50	-106.2	745.4	815.7	762.0	53.69	15.192	
7,400.0	7,307.1	7,350.0	7,325.6	30.1	26.7	131.54	-103.8	743.9	825.6	771.2	54.37	15.184	
7,500.0	7,405.2	7,440.7	7,416.3	30.5	27.0	132.40	-102.0	744.1	836.4	781.3	55.05	15.193	
7,514.9	7,419.9	7,454.1	7,429.7	30.6	27.0	132.51	-101.7	744.4	838.1	783.0	55.15	15.196	
7,600.0	7,503.6	7,530.7	7,506.2	31.0	27.3	133.23	-100.9	745.4	847.8	792.0	55.73	15.213	
7,700.0	7,602.4	7,627.3	7,602.8	31.4	27.6	134.01	-100.5	746.4	858.2	801.8	56.42	15.211	
7,800.0	7,701.5	7,740.3	7,715.8	31.8	28.0	134.71	-99.1	747.7	866.1	808.9	57.17	15.149	
7,900.0	7,801.0	7,842.5	7,817.9	32.2	28.3	135.10	-96.9	750.0	871.4	813.5	57.87	15.057	
8,000.0	7,900.7	7,941.0	7,916.4	32.6	28.6	135.30	-94.6	752.7	874.7	816.1	58.56	14.936	
8,100.0	8,000.5	8,039.0	8,014.3	32.9	29.0	135.40	-92.7	755.0	876.6	817.3	59.24	14.797	
8,200.0	8,100.5	8,138.5	8,113.8	33.2	29.3	135.33	-90.7	757.8	876.4	816.5	59.92	14.627	
8,246.5	8,147.0	8,182.8	8,158.0	33.4	29.4	177.58	-90.0	758.9	875.9	815.7	60.23	14.543	
8,250.0	8,150.5	8,186.2	8,161.4	33.4	29.4	-92.87	-89.9	759.0	875.8	815.6	60.25	14.537	
8,300.0	8,200.4	8,234.9	8,210.1	33.5	29.6	-93.16	-89.2	760.1	875.3	814.7	60.57	14.450	
8,350.0	8,249.9	8,283.2	8,258.4	33.6	29.8	-93.68	-88.5	761.2	875.0	814.2	60.89	14.371	
8,351.0	8,250.9	8,284.1	8,259.3	33.6	29.8	-93.69	-88.5	761.3	875.0	814.1	60.89	14.370	
8,400.0	8,298.7	8,325.5	8,300.7	33.7	29.9	-94.30	-88.2	761.8	875.4	814.3	61.18	14.310	
8,450.0	8,346.2	8,367.9	8,343.1	33.8	30.0	-95.02	-88.1	761.7	876.7	815.2	61.46	14.265	
8,500.0	8,392.3	8,409.9	8,385.1	33.9	30.2	-95.83	-88.3	761.3	878.9	817.1	61.73	14.237	
8,550.0	8,436.5	8,450.4	8,425.6	33.9	30.3	-96.69	-88.7	760.8	882.2	820.2	62.00	14.229	SF
8,600.0	8,478.5	8,492.1	8,467.3	34.0	30.5	-97.65	-89.2	760.2	886.9	824.6	62.28	14.241	
8,650.0	8,518.0	8,532.5	8,507.7	34.0	30.6	-98.60	-89.7	759.6	892.9	830.4	62.55	14.276	
8,700.0	8,554.6	8,568.6	8,543.8	34.0	30.7	-99.36	-90.1	759.2	900.8	838.0	62.81	14.342	
8,750.0	8,588.1	8,599.1	8,574.3	34.0	30.8	-99.79	-90.6	759.0	910.7	847.6	63.04	14.445	
8,800.0	8,618.3	8,626.4	8,601.6	33.9	30.9	-99.92	-91.0	758.8	922.9	859.6	63.27	14.587	
8,850.0	8,644.9	8,650.4	8,625.6	33.9	31.0	-99.69	-91.5	758.7	937.5	874.0	63.48	14.768	
8,900.0	8,667.7	8,668.9	8,644.1	33.9	31.1	-98.93	-91.9	758.7	954.7	891.0	63.67	14.993	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Tiger - Tiger #227H - Wellbore #1 - Final Survey — **Offset Site Error:** 0.0 usft

Survey Program: 115-MWD — **Offset Well Error:** 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,950.0	8,686.6	8,684.1	8,659.3	33.9	31.1	-97.70	-92.3	758.7	974.4	910.5	63.85	15.260	
9,000.0	8,701.3	8,695.9	8,671.0	33.9	31.2	-95.98	-92.7	758.7	996.4	932.4	64.01	15.567	
9,050.0	8,711.8	8,704.1	8,679.3	33.9	31.2	-93.72	-92.9	758.7	1,020.8	956.6	64.15	15.911	
9,100.0	8,718.1	8,708.9	8,684.0	33.9	31.2	-90.93	-93.1	758.7	1,047.1	982.8	64.28	16.291	
9,146.5	8,720.0	8,710.2	8,685.4	33.9	31.2	-87.87	-93.1	758.8	1,073.2	1,008.8	64.37	16.672	
9,200.0	8,720.0	8,710.0	8,685.2	34.1	31.2	-87.86	-93.1	758.8	1,104.8	1,040.3	64.47	17.137	
9,300.0	8,720.0	8,709.6	8,684.8	34.5	31.2	-87.84	-93.1	758.8	1,168.1	1,103.5	64.65	18.068	
9,400.0	8,720.0	8,709.2	8,684.4	35.2	31.2	-87.81	-93.1	758.7	1,236.3	1,171.5	64.83	19.070	
9,500.0	8,720.0	8,708.9	8,684.0	36.2	31.2	-87.79	-93.1	758.7	1,308.6	1,243.6	65.00	20.132	
9,600.0	8,720.0	8,708.5	8,683.7	37.3	31.2	-87.76	-93.1	758.7	1,384.3	1,319.2	65.16	21.246	
9,700.0	8,720.0	8,708.2	8,683.3	38.6	31.2	-87.74	-93.1	758.7	1,463.0	1,397.7	65.30	22.404	
9,800.0	8,720.0	8,707.8	8,683.0	39.9	31.2	-87.72	-93.1	758.7	1,544.1	1,478.7	65.43	23.598	
9,900.0	8,720.0	8,707.5	8,682.6	41.4	31.2	-87.69	-93.0	758.7	1,627.4	1,561.8	65.56	24.824	
10,000.0	8,720.0	8,707.1	8,682.3	43.0	31.2	-87.67	-93.0	758.7	1,712.4	1,646.7	65.67	26.077	
10,100.0	8,720.0	8,706.8	8,682.0	44.6	31.2	-87.65	-93.0	758.7	1,799.0	1,733.2	65.77	27.353	
10,200.0	8,720.0	8,706.5	8,681.6	46.3	31.2	-87.63	-93.0	758.7	1,886.9	1,821.0	65.86	28.649	
10,300.0	8,720.0	8,706.2	8,681.3	48.1	31.2	-87.61	-93.0	758.7	1,975.9	1,910.0	65.95	29.963	
10,400.0	8,720.0	8,705.9	8,681.0	50.0	31.2	-87.59	-93.0	758.7	2,066.0	1,999.9	66.02	31.291	
10,500.0	8,720.0	12,452.6	10,643.4	51.8	59.9	-155.50	-76.9	-1,304.6	2,118.1	2,057.7	60.39	35.071	
10,600.0	8,720.0	12,506.0	10,643.1	53.8	60.9	-155.52	-75.4	-1,358.0	2,115.7	2,054.0	61.75	34.262	
10,646.9	8,720.0	12,506.0	10,643.1	54.7	60.9	-155.52	-75.4	-1,358.0	2,115.2	2,053.1	62.12	34.050	
10,700.0	8,720.0	12,506.0	10,643.1	55.8	60.9	-155.52	-75.4	-1,358.0	2,115.9	2,053.3	62.55	33.829	
10,800.0	8,720.0	12,574.9	10,645.6	57.8	62.3	-155.58	-73.8	-1,426.8	2,118.8	2,054.7	64.10	33.055	
10,900.0	8,720.0	12,776.6	10,648.1	59.8	66.3	-155.53	-75.5	-1,628.3	2,120.8	2,053.4	67.41	31.461	
11,000.0	8,720.0	12,874.6	10,644.9	61.9	68.3	-155.36	-79.9	-1,726.2	2,119.9	2,050.3	69.68	30.425	
11,022.5	8,720.0	12,882.0	10,644.6	62.3	68.4	-155.35	-80.3	-1,733.6	2,119.8	2,049.9	69.98	30.292	
11,100.0	8,720.0	12,917.8	10,643.6	64.0	69.1	-155.27	-82.7	-1,769.3	2,120.5	2,049.3	71.19	29.785	
11,200.0	8,720.0	12,976.0	10,643.5	66.1	70.3	-155.13	-88.2	-1,827.3	2,124.1	2,051.1	73.00	29.098	
11,300.0	8,720.0	13,348.4	10,639.9	68.2	78.1	-154.94	-91.0	-2,198.9	2,129.9	2,051.0	78.88	27.002	
11,400.0	8,720.0	13,398.6	10,636.3	70.4	79.2	-154.94	-89.0	-2,248.9	2,122.1	2,041.6	80.46	26.375	
11,500.0	8,720.0	11,500.0	10,630.4	72.6	40.2	-154.94	-85.6	-2,355.7	2,116.1	2,055.7	60.46	35.000	
11,600.0	8,720.0	13,638.0	10,620.7	74.8	84.4	-154.95	-79.6	-2,487.6	2,107.7	2,022.3	85.38	24.686	
11,700.0	8,720.0	13,681.8	10,618.0	77.0	85.4	-154.95	-78.1	-2,531.3	2,100.8	2,013.8	86.93	24.166	
11,800.0	8,720.0	13,733.9	10,615.8	79.2	86.5	-154.94	-76.8	-2,583.3	2,096.2	2,007.6	88.58	23.666	
11,900.0	8,720.0	13,827.0	10,611.0	81.5	88.6	-154.93	-74.5	-2,676.3	2,091.0	2,000.2	90.79	23.031	
12,000.0	8,720.0	13,881.8	10,608.9	83.7	89.8	-154.93	-73.1	-2,731.0	2,087.8	1,995.3	92.47	22.579	
12,028.2	8,720.0	13,890.1	10,609.0	84.4	90.0	-154.93	-72.9	-2,739.3	2,087.6	1,994.8	92.83	22.489	
12,100.0	8,720.0	13,943.0	10,611.2	86.0	91.1	-154.98	-71.6	-2,792.1	2,089.3	1,995.2	94.12	22.199	
12,200.0	8,720.0	13,943.0	10,611.2	88.3	91.1	-154.98	-71.6	-2,792.1	2,092.6	1,997.7	94.96	22.037	
12,300.0	8,720.0	14,126.5	10,618.1	90.5	95.3	-155.13	-67.5	-2,975.4	2,094.7	1,996.5	98.20	21.332	
12,400.0	8,720.0	14,280.7	10,619.0	92.8	98.7	-155.20	-63.7	-3,129.5	2,094.2	1,993.1	101.11	20.711	
12,500.0	8,720.0	14,430.7	10,617.4	95.1	102.1	-155.24	-60.4	-3,279.5	2,092.9	1,988.9	104.04	20.116	
12,600.0	8,720.0	14,583.8	10,609.5	97.4	105.6	-155.20	-56.9	-3,432.4	2,087.2	1,980.0	107.14	19.481	
12,700.0	8,720.0	14,689.5	10,603.0	99.8	108.0	-155.14	-55.5	-3,537.8	2,081.3	1,971.6	109.69	18.975	
12,800.0	8,720.0	14,766.0	10,598.4	102.1	109.8	-155.10	-54.4	-3,614.2	2,075.7	1,963.9	111.83	18.561	
12,900.0	8,720.0	14,879.7	10,593.1	104.4	112.4	-155.09	-51.5	-3,727.8	2,070.7	1,956.4	114.39	18.102	
13,000.0	8,720.0	14,905.2	10,592.6	106.7	113.0	-155.11	-50.6	-3,753.2	2,067.1	1,951.4	115.74	17.860	
13,063.6	8,720.0	14,926.5	10,592.7	108.2	113.5	-155.12	-49.7	-3,774.5	2,066.5	1,949.9	116.60	17.723	
13,100.0	8,720.0	14,938.7	10,593.0	109.1	113.8	-155.14	-49.2	-3,786.7	2,066.7	1,949.6	117.07	17.654	
13,200.0	8,720.0	14,982.0	10,595.2	111.4	114.8	-155.20	-47.3	-3,829.9	2,069.5	1,951.1	118.38	17.481	
13,300.0	8,720.0	15,032.3	10,599.4	113.8	115.9	-155.30	-44.9	-3,880.0	2,075.0	1,955.3	119.67	17.339	
13,400.0	8,720.0	15,128.7	10,608.2	116.1	118.1	-155.49	-40.6	-3,975.8	2,081.8	1,960.3	121.47	17.138	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Tiger - Tiger #227H - Wellbore #1 - Final Survey

Offset Site Error: 0.0 usft

Survey Program: 115-MWD

Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,500.0	8,720.0	13,500.0	10,616.8	118.5	80.4	-155.54	-41.2	-4,168.7	2,086.5	1,982.8	103.71	20.118	
13,600.0	8,720.0	15,469.8	10,614.0	120.8	126.0	-155.33	-47.3	-4,316.5	2,086.5	1,957.6	128.91	16.186	
13,700.0	8,720.0	15,569.6	10,611.0	123.2	128.4	-155.15	-52.4	-4,416.1	2,086.3	1,954.5	131.81	15.828	
13,772.2	8,720.0	15,641.7	10,608.9	124.9	130.0	-155.02	-56.0	-4,488.0	2,086.1	1,952.2	133.91	15.579	
13,800.0	8,720.0	15,622.0	10,609.5	125.6	129.6	-155.05	-55.0	-4,468.4	2,086.6	1,952.8	133.76	15.600	
13,900.0	8,720.0	15,622.0	10,609.5	127.9	129.6	-155.05	-55.0	-4,468.4	2,091.0	1,956.5	134.49	15.548	
14,000.0	8,720.0	15,622.0	10,609.5	130.3	129.6	-155.05	-55.0	-4,468.4	2,100.2	1,965.2	135.00	15.558	
14,100.0	8,720.0	15,622.0	10,609.5	132.7	129.6	-155.05	-55.0	-4,468.4	2,114.1	1,978.8	135.29	15.627	
14,200.0	8,720.0	15,622.0	10,609.5	135.1	129.6	-155.05	-55.0	-4,468.4	2,132.6	1,997.2	135.36	15.755	
14,300.0	8,720.0	15,622.0	10,609.5	137.4	129.6	-155.05	-55.0	-4,468.4	2,155.6	2,020.3	135.23	15.940	
14,400.0	8,720.0	15,622.0	10,609.5	139.8	129.6	-155.05	-55.0	-4,468.4	2,182.9	2,048.0	134.92	16.179	
14,500.0	8,720.0	15,622.0	10,609.5	142.2	129.6	-155.05	-55.0	-4,468.4	2,214.4	2,080.0	134.43	16.473	
14,600.0	8,720.0	15,622.0	10,609.5	144.6	129.6	-155.05	-55.0	-4,468.4	2,249.9	2,116.1	133.79	16.817	
14,700.0	8,720.0	15,622.0	10,609.5	147.0	129.6	-155.05	-55.0	-4,468.4	2,289.2	2,156.2	133.01	17.210	
14,800.0	8,720.0	15,622.0	10,609.5	149.4	129.6	-155.05	-55.0	-4,468.4	2,332.2	2,200.1	132.13	17.651	
14,900.0	8,720.0	15,622.0	10,609.5	151.8	129.6	-155.05	-55.0	-4,468.4	2,378.6	2,247.4	131.14	18.137	
15,000.0	8,720.0	15,622.0	10,609.5	154.2	129.6	-155.05	-55.0	-4,468.4	2,428.2	2,298.1	130.09	18.666	
15,100.0	8,720.0	15,622.0	10,609.5	156.6	129.6	-155.05	-55.0	-4,468.4	2,480.9	2,351.9	128.97	19.236	
15,200.0	8,720.0	15,622.0	10,609.5	159.0	129.6	-155.05	-55.0	-4,468.4	2,536.4	2,408.6	127.81	19.845	
15,300.0	8,720.0	15,622.0	10,609.5	161.4	129.6	-155.05	-55.0	-4,468.4	2,594.6	2,467.9	126.62	20.491	
15,400.0	8,720.0	15,622.0	10,609.5	163.8	129.6	-155.05	-55.0	-4,468.4	2,655.2	2,529.8	125.41	21.172	
15,500.0	8,720.0	15,622.0	10,609.5	166.2	129.6	-155.05	-55.0	-4,468.4	2,718.2	2,594.0	124.20	21.886	
15,600.0	8,720.0	15,622.0	10,609.5	168.6	129.6	-155.05	-55.0	-4,468.4	2,783.4	2,660.4	122.99	22.632	
15,700.0	8,720.0	15,622.0	10,609.5	171.0	129.6	-155.05	-55.0	-4,468.4	2,850.6	2,728.8	121.79	23.407	
15,800.0	8,720.0	15,622.0	10,609.5	173.4	129.6	-155.05	-55.0	-4,468.4	2,919.7	2,799.1	120.60	24.209	
15,900.0	8,720.0	15,622.0	10,609.5	175.8	129.6	-155.05	-55.0	-4,468.4	2,990.5	2,871.0	119.44	25.038	
16,000.0	8,720.0	15,622.0	10,609.5	178.2	129.6	-155.05	-55.0	-4,468.4	3,062.9	2,944.6	118.30	25.891	
16,100.0	8,720.0	15,622.0	10,609.5	180.6	129.6	-155.05	-55.0	-4,468.4	3,136.9	3,019.7	117.19	26.768	
16,200.0	8,720.0	15,622.0	10,609.5	183.0	129.6	-155.05	-55.0	-4,468.4	3,212.2	3,096.1	116.11	27.665	
16,300.0	8,720.0	15,622.0	10,609.5	185.5	129.6	-155.05	-55.0	-4,468.4	3,288.9	3,173.9	115.06	28.583	
16,400.0	8,720.0	15,622.0	10,609.5	187.9	129.6	-155.05	-55.0	-4,468.4	3,366.8	3,252.8	114.05	29.520	
16,500.0	8,720.0	15,622.0	10,609.5	190.3	129.6	-155.05	-55.0	-4,468.4	3,445.9	3,332.8	113.07	30.475	
16,600.0	8,720.0	15,622.0	10,609.5	192.7	129.6	-155.05	-55.0	-4,468.4	3,526.0	3,413.9	112.13	31.446	
16,700.0	8,720.0	15,622.0	10,609.5	195.1	129.6	-155.05	-55.0	-4,468.4	3,607.1	3,495.9	111.22	32.432	
16,800.0	8,720.0	15,622.0	10,609.5	197.5	129.6	-155.05	-55.0	-4,468.4	3,689.1	3,578.8	110.34	33.433	
16,900.0	8,720.0	15,622.0	10,609.5	200.0	129.6	-155.05	-55.0	-4,468.4	3,772.0	3,662.5	109.50	34.447	
17,000.0	8,720.0	15,622.0	10,609.5	202.4	129.6	-155.05	-55.0	-4,468.4	3,855.7	3,747.0	108.69	35.474	
17,100.0	8,720.0	15,622.0	10,609.5	204.8	129.6	-155.05	-55.0	-4,468.4	3,940.2	3,832.3	107.92	36.512	
17,200.0	8,720.0	15,622.0	10,609.5	207.2	129.6	-155.05	-55.0	-4,468.4	4,025.4	3,918.2	107.17	37.560	
17,300.0	8,720.0	15,622.0	10,609.5	209.6	129.6	-155.05	-55.0	-4,468.4	4,111.2	4,004.8	106.46	38.619	
17,400.0	8,720.0	15,622.0	10,609.5	212.1	129.6	-155.05	-55.0	-4,468.4	4,197.7	4,091.9	105.77	39.687	
17,500.0	8,720.0	15,622.0	10,609.5	214.5	129.6	-155.05	-55.0	-4,468.4	4,284.8	4,179.7	105.11	40.763	
17,600.0	8,720.0	15,622.0	10,609.5	216.9	129.6	-155.05	-55.0	-4,468.4	4,372.4	4,267.9	104.48	41.847	
17,700.0	8,720.0	15,622.0	10,609.5	219.3	129.6	-155.05	-55.0	-4,468.4	4,460.5	4,356.7	103.88	42.939	
17,800.0	8,720.0	15,622.0	10,609.5	221.8	129.6	-155.05	-55.0	-4,468.4	4,549.2	4,445.9	103.30	44.037	
17,900.0	8,720.0	15,622.0	10,609.5	224.2	129.6	-155.05	-55.0	-4,468.4	4,638.3	4,535.5	102.75	45.142	
18,000.0	8,720.0	15,622.0	10,609.5	226.6	129.6	-155.05	-55.0	-4,468.4	4,727.8	4,625.6	102.22	46.252	
18,100.0	8,720.0	15,622.0	10,609.5	229.1	129.6	-155.05	-55.0	-4,468.4	4,817.7	4,716.0	101.71	47.367	
18,200.0	8,720.0	15,622.0	10,609.5	231.5	129.6	-155.05	-55.0	-4,468.4	4,908.1	4,806.8	101.23	48.487	
18,300.0	8,720.0	15,622.0	10,609.5	233.9	129.6	-155.05	-55.0	-4,468.4	4,998.7	4,898.0	100.76	49.611	
18,400.0	8,720.0	15,622.0	10,609.5	236.3	129.6	-155.05	-55.0	-4,468.4	5,089.8	4,989.5	100.31	50.739	
18,500.0	8,720.0	15,622.0	10,609.5	238.8	129.6	-155.05	-55.0	-4,468.4	5,181.2	5,081.3	99.89	51.870	

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

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Offset Design Tiger - Tiger #227H - Wellbore #1 - Final Survey

Offset Site Error: 0.0 usft

Survey Program: 115-MWD

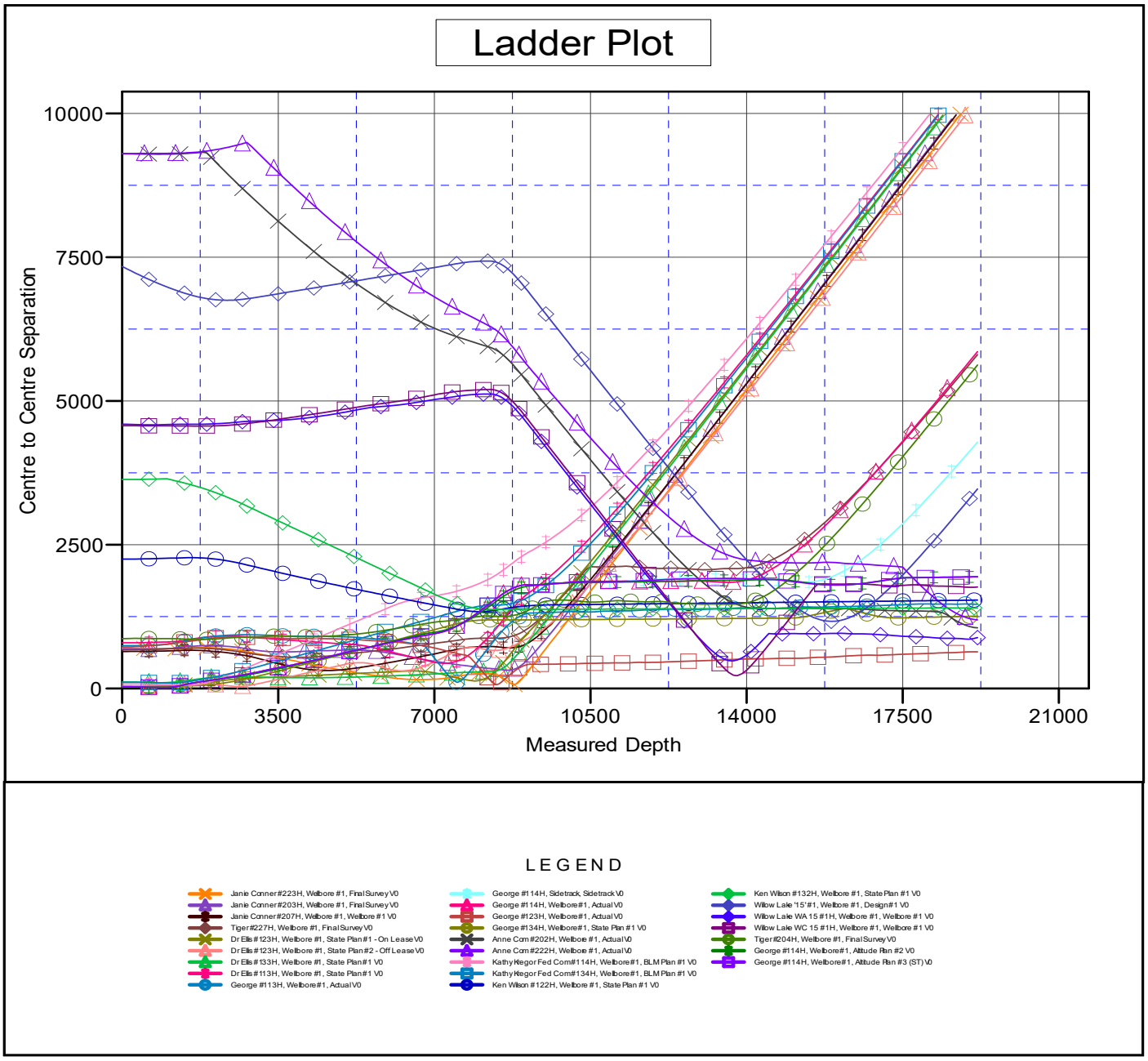
Offset Well Error: 0.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,600.0	8,720.0	15,622.0	10,609.5	241.2	129.6	-155.05	-55.0	-4,468.4	5,272.9	5,173.4	99.48	53.005	
18,700.0	8,720.0	15,622.0	10,609.5	243.6	129.6	-155.05	-55.0	-4,468.4	5,364.8	5,265.8	99.09	54.143	
18,800.0	8,720.0	15,622.0	10,609.5	246.1	129.6	-155.05	-55.0	-4,468.4	5,457.1	5,358.4	98.71	55.283	
18,900.0	8,720.0	15,622.0	10,609.5	248.5	129.6	-155.05	-55.0	-4,468.4	5,549.7	5,451.3	98.35	56.425	
19,000.0	8,720.0	15,622.0	10,609.5	250.9	129.6	-155.05	-55.0	-4,468.4	5,642.4	5,544.4	98.01	57.569	
19,100.0	8,720.0	15,622.0	10,609.5	253.4	129.6	-155.05	-55.0	-4,468.4	5,735.5	5,637.8	97.68	58.715	
19,176.7	8,720.0	15,622.0	10,609.5	255.2	129.6	-155.05	-55.0	-4,468.4	5,807.0	5,709.6	97.44	59.596	

Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3004.5usft	Coordinates are relative to: George #133H
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Central Meridian is 104° 20' 0.000 W	Grid Convergence at Surface is: 0.15°

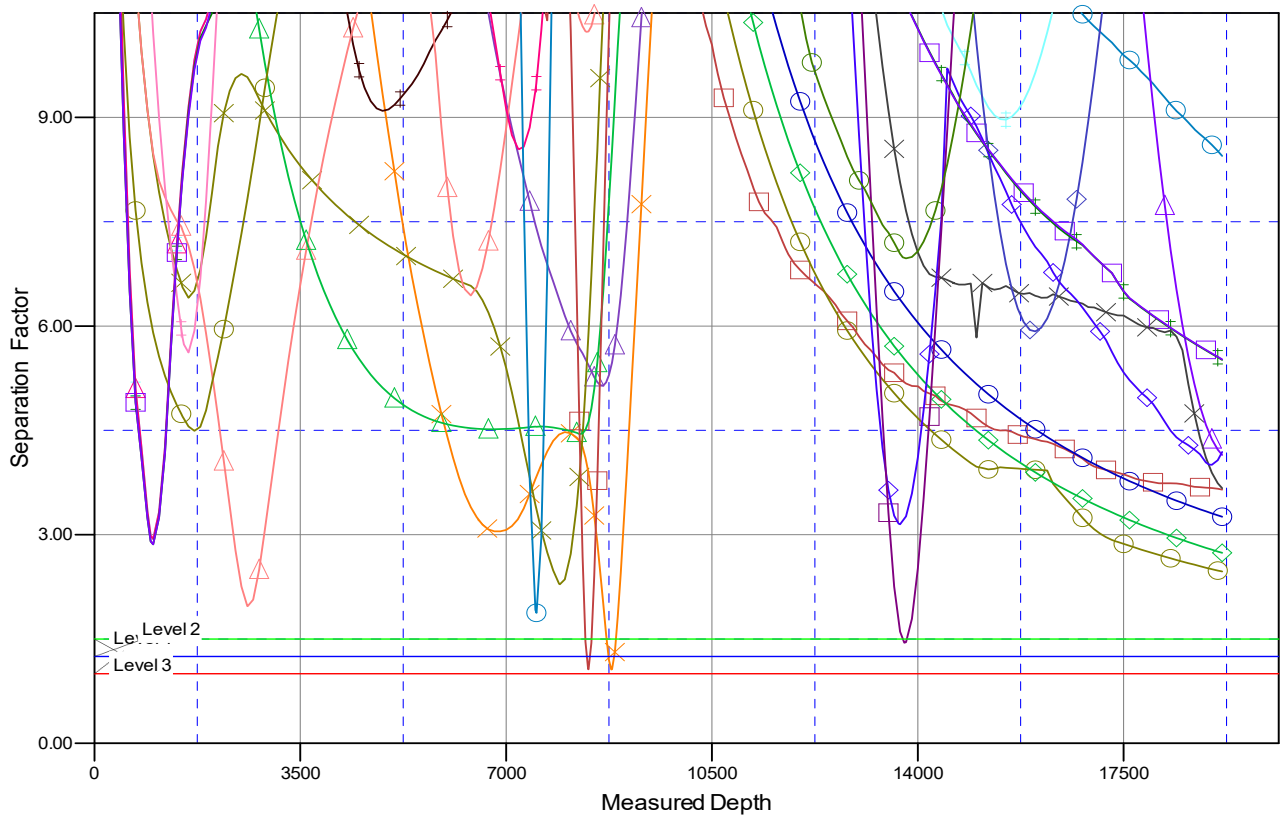


Anticollision Report

Company:	Matador Production Company	**Local Co-ordinate Reference:**	Well George #133H
Project:	Rustler Breaks	**TVD Reference:**	KB @ 3004.5usft
Reference Site:	George	**MD Reference:**	KB @ 3004.5usft
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	0.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	Wellbore #1	**Database:**	EDM 5000.14 Server
Reference Design:	State Plan #1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB @ 3004.5usft	Coordinates are relative to: George #133H
Offset Depths are relative to Offset Datum	Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Central Meridian is 104° 20' 0.000 W	Grid Convergence at Surface is: 0.15°

Separation Factor Plot



LEGEND

Janie Conner#223H, Wellbore #1, Final Survey V0
Janie Conner#203H, Wellbore #1, Final Survey V0
Janie Conner#207H, Wellbore #1, Wellbore #1 V0
Tiger#227H, Wellbore #1, Final Survey V0
Dr Ellis#123H, Wellbore #1, State Plan#1 - On Lease V0
Dr Ellis#123H, Wellbore #1, State Plan#2 - Off Lease V0
Dr Ellis#133H, Wellbore #1, State Plan#1 V0
Dr Ellis#113H, Wellbore #1, State Plan#1 V0
George #113H, Wellbore#1, Actual V0
George #114H, Sidetrack, Sidetrack V0
George #114H, Wellbore#1, Actual V0
George #123H, Wellbore#1, Actual V0
George #134H, Wellbore#1, State Plan #1 V0
Anne Com#202H, Wellbore #1, Actual V0
Anne Com#222H, Wellbore #1, Actual V0
Kathy Kregor Fed Com#114H, Wellbore#1, BLM Plan #1 V0
Kathy Kregor Fed Com#134H, Wellbore#1, BLM Plan #1 V0
Ken Wilson #122H, Wellbore #1, State Plan #1 V0
Ken Wilson #132H, Wellbore #1, State Plan #1 V0
Willow Lake '15'#1, Wellbore #1, Design#1 V0
Willow Lake WA 15 #1H, Wellbore #1, Wellbore #1 V0
Willow Lake WC 15 #1H, Wellbore #1, Wellbore #1 V0
Tiger#204H, Wellbore #1, Final Survey V0
George #114H, Wellbore#1, Altitude Plan #2 V0
George #114H, Wellbore#1, Altitude Plan #3 (ST) V0

Matador Production Company

Rustler Breaks
George
George #133H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

15 May, 2023

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well George #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3004.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3004.5usft
Site:	George	**North Reference:**	Grid
Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Project Rustler Breaks,

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		Using geodetic scale factor

Site George

Site Position:		**Northing:**	441,965.89 usft	**Latitude:**	32° 12' 53.146 N
From:	Lat/Long	**Easting:**	587,768.45 usft	**Longitude:**	104° 2' 58.349 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.15 °

Well George #133H

Well Position	**+N/-S**	-457.9 usft	**Northing:**	441,508.00 usft	**Latitude:**	32° 12' 48.629 N
	+E/-W	-558.5 usft	**Easting:**	587,210.00 usft	**Longitude:**	104° 3' 4.864 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	2,976.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	5/15/2023	6.53	59.90	47,279.14320703

Design State Plan #1

Audit Notes:

Version:	**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	275.01

Plan Survey Tool Program **Date** 5/15/2023

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	19,176.7	State Plan #1 (Wellbore #1)	MWD	
				OWSG MWD - Standard	

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well George #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3004.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3004.5usft
Site:	George	**North Reference:**	Grid
Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
424.5	1.25	210.58	424.5	-1.2	-0.7	1.00	1.00	0.00	210.58	
1,475.7	1.25	210.58	1,475.5	-20.8	-12.3	0.00	0.00	0.00	0.00	
1,600.3	0.00	0.00	1,600.0	-22.0	-13.0	1.00	-1.00	0.00	180.00	
2,697.6	10.97	42.33	2,690.7	55.5	57.5	1.00	1.00	0.00	42.33	
7,514.9	10.97	42.33	7,419.9	733.4	675.0	0.00	0.00	0.00	0.00	
8,246.5	0.00	0.00	8,147.0	785.0	722.0	1.50	-1.50	0.00	180.00	VP - George #133H
9,146.5	90.00	270.44	8,720.0	789.4	149.1	10.00	10.00	0.00	270.44	
19,176.7	90.00	270.44	8,720.0	866.5	-9,880.8	0.00	0.00	0.00	0.00	BHL - George #133H

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well George #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3004.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3004.5usft
Site:	George	**North Reference:**	Grid
Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
287.0	0.00	0.00	287.0	0.0	0.0	0.0	0.00	0.00	0.00
Z (Salado)									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.00									
400.0	1.00	210.58	400.0	-0.8	-0.4	0.4	1.00	1.00	0.00
424.5	1.25	210.58	424.5	-1.2	-0.7	0.6	1.00	1.00	0.00
Start 1051.2 hold at 424.5 MD									
500.0	1.25	210.58	500.0	-2.6	-1.5	1.3	0.00	0.00	0.00
600.0	1.25	210.58	599.9	-4.4	-2.6	2.2	0.00	0.00	0.00
700.0	1.25	210.58	699.9	-6.3	-3.7	3.2	0.00	0.00	0.00
800.0	1.25	210.58	799.9	-8.2	-4.8	4.1	0.00	0.00	0.00
900.0	1.25	210.58	899.9	-10.1	-5.9	5.0	0.00	0.00	0.00
1,000.0	1.25	210.58	999.9	-11.9	-7.1	6.0	0.00	0.00	0.00
1,059.0	1.25	210.58	1,058.8	-13.0	-7.7	6.5	0.00	0.00	0.00
Z (Castile (T))									
1,100.0	1.25	210.58	1,099.8	-13.8	-8.2	6.9	0.00	0.00	0.00
1,200.0	1.25	210.58	1,199.8	-15.7	-9.3	7.9	0.00	0.00	0.00
1,300.0	1.25	210.58	1,299.8	-17.5	-10.4	8.8	0.00	0.00	0.00
1,400.0	1.25	210.58	1,399.8	-19.4	-11.5	9.7	0.00	0.00	0.00
1,475.7	1.25	210.58	1,475.5	-20.8	-12.3	10.4	0.00	0.00	0.00
Start Drop -1.00									
1,500.0	1.00	210.58	1,499.7	-21.2	-12.6	10.6	1.00	-1.00	0.00
1,600.0	0.00	210.58	1,599.7	-22.0	-13.0	11.0	1.00	-1.00	0.00
1,600.3	0.00	0.00	1,600.0	-22.0	-13.0	11.0	1.00	-1.00	55,769.71
Start Build 1.00									
1,700.0	1.00	42.33	1,699.7	-21.4	-12.4	10.5	1.00	1.00	42.44
1,800.0	2.00	42.33	1,799.7	-19.4	-10.7	8.9	1.00	1.00	0.00
1,900.0	3.00	42.33	1,899.6	-16.2	-7.7	6.3	1.00	1.00	0.00
2,000.0	4.00	42.33	1,999.4	-11.7	-3.6	2.6	1.00	1.00	0.00
2,100.0	5.00	42.33	2,099.1	-5.9	1.7	-2.2	1.00	1.00	0.00
2,200.0	6.00	42.33	2,198.6	1.2	8.1	-8.0	1.00	1.00	0.00
2,300.0	7.00	42.33	2,298.0	9.6	15.7	-14.8	1.00	1.00	0.00
2,400.0	8.00	42.33	2,397.1	19.2	24.5	-22.8	1.00	1.00	0.00
2,500.0	9.00	42.33	2,496.0	30.1	34.5	-31.7	1.00	1.00	0.00
2,600.0	10.00	42.33	2,594.7	42.3	45.6	-41.7	1.00	1.00	0.00
2,626.8	10.27	42.33	2,621.1	45.8	48.8	-44.6	1.00	1.00	0.00
Z (G30:CS14-CSB)									
2,673.7	10.73	42.33	2,667.2	52.1	54.5	-49.8	1.00	1.00	0.00
Z (G26: Bell Cyn.)									
2,697.6	10.97	42.33	2,690.7	55.5	57.5	-52.5	1.00	1.00	0.00
Start 4817.3 hold at 2697.6 MD									
2,700.0	10.97	42.33	2,693.0	55.8	57.8	-52.8	0.00	0.00	0.00
2,800.0	10.97	42.33	2,791.2	69.9	70.7	-64.3	0.00	0.00	0.00
2,900.0	10.97	42.33	2,889.3	83.9	83.5	-75.8	0.00	0.00	0.00
3,000.0	10.97	42.33	2,987.5	98.0	96.3	-87.4	0.00	0.00	0.00
3,100.0	10.97	42.33	3,085.7	112.1	109.1	-98.9	0.00	0.00	0.00
3,200.0	10.97	42.33	3,183.8	126.2	121.9	-110.5	0.00	0.00	0.00
3,300.0	10.97	42.33	3,282.0	140.2	134.8	-122.0	0.00	0.00	0.00
3,400.0	10.97	42.33	3,380.2	154.3	147.6	-133.5	0.00	0.00	0.00
3,500.0	10.97	42.33	3,478.4	168.4	160.4	-145.1	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well George #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3004.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3004.5usft
Site:	George	**North Reference:**	Grid
Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,600.0	10.97	42.33	3,576.5	182.4	173.2	-156.6	0.00	0.00	0.00
3,642.1	10.97	42.33	3,617.9	188.4	178.6	-161.5	0.00	0.00	0.00
Z (G13: Cherry Cyn.)									
3,700.0	10.97	42.33	3,674.7	196.5	186.0	-168.1	0.00	0.00	0.00
3,800.0	10.97	42.33	3,772.9	210.6	198.8	-179.7	0.00	0.00	0.00
3,900.0	10.97	42.33	3,871.1	224.7	211.7	-191.2	0.00	0.00	0.00
4,000.0	10.97	42.33	3,969.2	238.7	224.5	-202.8	0.00	0.00	0.00
4,100.0	10.97	42.33	4,067.4	252.8	237.3	-214.3	0.00	0.00	0.00
4,200.0	10.97	42.33	4,165.6	266.9	250.1	-225.8	0.00	0.00	0.00
4,300.0	10.97	42.33	4,263.7	281.0	262.9	-237.4	0.00	0.00	0.00
4,400.0	10.97	42.33	4,361.9	295.0	275.7	-248.9	0.00	0.00	0.00
4,500.0	10.97	42.33	4,460.1	309.1	288.6	-260.5	0.00	0.00	0.00
4,600.0	10.97	42.33	4,558.3	323.2	301.4	-272.0	0.00	0.00	0.00
4,700.0	10.97	42.33	4,656.4	337.3	314.2	-283.5	0.00	0.00	0.00
4,797.4	10.97	42.33	4,752.1	351.0	326.7	-294.8	0.00	0.00	0.00
Z (G7: Brushy Cyn.)									
4,800.0	10.97	42.33	4,754.6	351.3	327.0	-295.1	0.00	0.00	0.00
4,900.0	10.97	42.33	4,852.8	365.4	339.8	-306.6	0.00	0.00	0.00
5,000.0	10.97	42.33	4,950.9	379.5	352.7	-318.2	0.00	0.00	0.00
5,100.0	10.97	42.33	5,049.1	393.5	365.5	-329.7	0.00	0.00	0.00
5,200.0	10.97	42.33	5,147.3	407.6	378.3	-341.2	0.00	0.00	0.00
5,300.0	10.97	42.33	5,245.5	421.7	391.1	-352.8	0.00	0.00	0.00
5,400.0	10.97	42.33	5,343.6	435.8	403.9	-364.3	0.00	0.00	0.00
5,500.0	10.97	42.33	5,441.8	449.8	416.7	-375.9	0.00	0.00	0.00
5,600.0	10.97	42.33	5,540.0	463.9	429.6	-387.4	0.00	0.00	0.00
5,700.0	10.97	42.33	5,638.1	478.0	442.4	-398.9	0.00	0.00	0.00
5,800.0	10.97	42.33	5,736.3	492.1	455.2	-410.5	0.00	0.00	0.00
5,900.0	10.97	42.33	5,834.5	506.1	468.0	-422.0	0.00	0.00	0.00
6,000.0	10.97	42.33	5,932.7	520.2	480.8	-433.6	0.00	0.00	0.00
6,100.0	10.97	42.33	6,030.8	534.3	493.7	-445.1	0.00	0.00	0.00
6,200.0	10.97	42.33	6,129.0	548.4	506.5	-456.6	0.00	0.00	0.00
6,300.0	10.97	42.33	6,227.2	562.4	519.3	-468.2	0.00	0.00	0.00
6,400.0	10.97	42.33	6,325.3	576.5	532.1	-479.7	0.00	0.00	0.00
6,451.2	10.97	42.33	6,375.6	583.7	538.7	-485.6	0.00	0.00	0.00
Z (G4: BSGL (CS9))									
6,500.0	10.97	42.33	6,423.5	590.6	544.9	-491.2	0.00	0.00	0.00
6,600.0	10.97	42.33	6,521.7	604.6	557.7	-502.8	0.00	0.00	0.00
6,700.0	10.97	42.33	6,619.9	618.7	570.6	-514.3	0.00	0.00	0.00
6,800.0	10.97	42.33	6,718.0	632.8	583.4	-525.9	0.00	0.00	0.00
6,900.0	10.97	42.33	6,816.2	646.9	596.2	-537.4	0.00	0.00	0.00
7,000.0	10.97	42.33	6,914.4	660.9	609.0	-548.9	0.00	0.00	0.00
7,100.0	10.97	42.33	7,012.5	675.0	621.8	-560.5	0.00	0.00	0.00
7,200.0	10.97	42.33	7,110.7	689.1	634.6	-572.0	0.00	0.00	0.00
7,201.0	10.97	42.33	7,111.7	689.2	634.8	-572.1	0.00	0.00	0.00
Z (L5.3: FBSC)									
7,300.0	10.97	42.33	7,208.9	703.2	647.5	-583.6	0.00	0.00	0.00
7,400.0	10.97	42.33	7,307.1	717.2	660.3	-595.1	0.00	0.00	0.00
7,403.3	10.97	42.33	7,310.3	717.7	660.7	-595.5	0.00	0.00	0.00
Z (L5.1: FBSG)									
7,500.0	10.97	42.33	7,405.2	731.3	673.1	-606.6	0.00	0.00	0.00
7,514.9	10.97	42.33	7,419.9	733.4	675.0	-608.4	0.00	0.00	0.00
Start Drop -1.50									
7,600.0	9.70	42.33	7,503.6	744.7	685.3	-617.6	1.50	-1.50	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well George #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3004.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3004.5usft
Site:	George	**North Reference:**	Grid
Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
7,689.6	8.35	42.33	7,592.0	755.1	694.7	-626.1	1.50	-1.50	0.00
Z (L4.3: SBSC)									
7,700.0	8.20	42.33	7,602.4	756.2	695.8	-627.0	1.50	-1.50	0.00
7,800.0	6.70	42.33	7,701.5	765.8	704.5	-634.9	1.50	-1.50	0.00
7,900.0	5.20	42.33	7,801.0	773.4	711.5	-641.2	1.50	-1.50	0.00
8,000.0	3.70	42.33	7,900.7	779.2	716.7	-645.9	1.50	-1.50	0.00
8,100.0	2.20	42.33	8,000.5	783.0	720.2	-649.0	1.50	-1.50	0.00
8,200.0	0.70	42.33	8,100.5	784.8	721.9	-650.5	1.50	-1.50	0.00
8,225.1	0.32	42.33	8,125.6	785.0	722.0	-650.7	1.50	-1.50	0.00
Z (L4.1: SBSG)									
8,246.5	0.00	0.00	8,147.0	785.0	722.0	-650.7	1.50	-1.50	0.00
Start Build 10.00									
8,300.0	5.35	270.44	8,200.4	785.1	719.5	-648.2	10.00	10.00	0.00
8,400.0	15.35	270.44	8,298.7	785.2	701.6	-630.3	10.00	10.00	0.00
8,500.0	25.35	270.44	8,392.3	785.5	666.9	-595.7	10.00	10.00	0.00
8,600.0	35.35	270.44	8,478.5	785.9	616.4	-545.4	10.00	10.00	0.00
8,630.5	38.40	270.44	8,502.9	786.0	598.1	-527.1	10.00	10.00	0.00
Z (L3.3: TBSC)									
8,700.0	45.35	270.44	8,554.6	786.4	551.8	-481.0	10.00	10.00	0.00
8,800.0	55.35	270.44	8,618.3	786.9	474.9	-404.3	10.00	10.00	0.00
8,900.0	65.35	270.44	8,667.7	787.6	388.1	-317.8	10.00	10.00	0.00
9,000.0	75.35	270.44	8,701.3	788.3	294.0	-224.0	10.00	10.00	0.00
9,100.0	85.35	270.44	8,718.1	789.1	195.6	-125.9	10.00	10.00	0.00
9,146.5	90.00	270.44	8,720.0	789.4	149.1	-79.6	10.00	10.00	0.00
Start 10030.2 hold at 9146.5 MD									
9,200.0	90.00	270.44	8,720.0	789.9	95.6	-26.3	0.00	0.00	0.00
9,300.0	90.00	270.44	8,720.0	790.6	-4.4	73.4	0.00	0.00	0.00
9,400.0	90.00	270.44	8,720.0	791.4	-104.4	173.1	0.00	0.00	0.00
9,500.0	90.00	270.44	8,720.0	792.2	-204.4	272.8	0.00	0.00	0.00
9,600.0	90.00	270.44	8,720.0	792.9	-304.4	372.5	0.00	0.00	0.00
9,700.0	90.00	270.44	8,720.0	793.7	-404.4	472.2	0.00	0.00	0.00
9,800.0	90.00	270.44	8,720.0	794.5	-504.4	571.8	0.00	0.00	0.00
9,900.0	90.00	270.44	8,720.0	795.2	-604.4	671.5	0.00	0.00	0.00
10,000.0	90.00	270.44	8,720.0	796.0	-704.4	771.2	0.00	0.00	0.00
10,100.0	90.00	270.44	8,720.0	796.8	-804.4	870.9	0.00	0.00	0.00
10,200.0	90.00	270.44	8,720.0	797.5	-904.4	970.6	0.00	0.00	0.00
10,300.0	90.00	270.44	8,720.0	798.3	-1,004.4	1,070.3	0.00	0.00	0.00
10,400.0	90.00	270.44	8,720.0	799.1	-1,104.3	1,169.9	0.00	0.00	0.00
10,500.0	90.00	270.44	8,720.0	799.8	-1,204.3	1,269.6	0.00	0.00	0.00
10,600.0	90.00	270.44	8,720.0	800.6	-1,304.3	1,369.3	0.00	0.00	0.00
10,700.0	90.00	270.44	8,720.0	801.4	-1,404.3	1,469.0	0.00	0.00	0.00
10,800.0	90.00	270.44	8,720.0	802.1	-1,504.3	1,568.7	0.00	0.00	0.00
10,900.0	90.00	270.44	8,720.0	802.9	-1,604.3	1,668.3	0.00	0.00	0.00
11,000.0	90.00	270.44	8,720.0	803.7	-1,704.3	1,768.0	0.00	0.00	0.00
11,100.0	90.00	270.44	8,720.0	804.4	-1,804.3	1,867.7	0.00	0.00	0.00
11,200.0	90.00	270.44	8,720.0	805.2	-1,904.3	1,967.4	0.00	0.00	0.00
11,300.0	90.00	270.44	8,720.0	806.0	-2,004.3	2,067.1	0.00	0.00	0.00
11,400.0	90.00	270.44	8,720.0	806.8	-2,104.3	2,166.8	0.00	0.00	0.00
11,500.0	90.00	270.44	8,720.0	807.5	-2,204.3	2,266.4	0.00	0.00	0.00
11,600.0	90.00	270.44	8,720.0	808.3	-2,304.3	2,366.1	0.00	0.00	0.00
11,700.0	90.00	270.44	8,720.0	809.1	-2,404.3	2,465.8	0.00	0.00	0.00
11,800.0	90.00	270.44	8,720.0	809.8	-2,504.3	2,565.5	0.00	0.00	0.00
11,900.0	90.00	270.44	8,720.0	810.6	-2,604.3	2,665.2	0.00	0.00	0.00
12,000.0	90.00	270.44	8,720.0	811.4	-2,704.3	2,764.8	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well George #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3004.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3004.5usft
Site:	George	**North Reference:**	Grid
Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,100.0	90.00	270.44	8,720.0	812.1	-2,804.3	2,864.5	0.00	0.00	0.00
12,200.0	90.00	270.44	8,720.0	812.9	-2,904.3	2,964.2	0.00	0.00	0.00
12,300.0	90.00	270.44	8,720.0	813.7	-3,004.3	3,063.9	0.00	0.00	0.00
12,400.0	90.00	270.44	8,720.0	814.4	-3,104.3	3,163.6	0.00	0.00	0.00
12,500.0	90.00	270.44	8,720.0	815.2	-3,204.3	3,263.3	0.00	0.00	0.00
12,600.0	90.00	270.44	8,720.0	816.0	-3,304.3	3,362.9	0.00	0.00	0.00
12,700.0	90.00	270.44	8,720.0	816.7	-3,404.3	3,462.6	0.00	0.00	0.00
12,800.0	90.00	270.44	8,720.0	817.5	-3,504.3	3,562.3	0.00	0.00	0.00
12,900.0	90.00	270.44	8,720.0	818.3	-3,604.3	3,662.0	0.00	0.00	0.00
13,000.0	90.00	270.44	8,720.0	819.0	-3,704.3	3,761.7	0.00	0.00	0.00
13,100.0	90.00	270.44	8,720.0	819.8	-3,804.3	3,861.3	0.00	0.00	0.00
13,200.0	90.00	270.44	8,720.0	820.6	-3,904.3	3,961.0	0.00	0.00	0.00
13,300.0	90.00	270.44	8,720.0	821.3	-4,004.3	4,060.7	0.00	0.00	0.00
13,400.0	90.00	270.44	8,720.0	822.1	-4,104.3	4,160.4	0.00	0.00	0.00
13,500.0	90.00	270.44	8,720.0	822.9	-4,204.3	4,260.1	0.00	0.00	0.00
13,600.0	90.00	270.44	8,720.0	823.6	-4,304.3	4,359.8	0.00	0.00	0.00
13,700.0	90.00	270.44	8,720.0	824.4	-4,404.3	4,459.4	0.00	0.00	0.00
13,800.0	90.00	270.44	8,720.0	825.2	-4,504.2	4,559.1	0.00	0.00	0.00
13,900.0	90.00	270.44	8,720.0	825.9	-4,604.2	4,658.8	0.00	0.00	0.00
14,000.0	90.00	270.44	8,720.0	826.7	-4,704.2	4,758.5	0.00	0.00	0.00
14,100.0	90.00	270.44	8,720.0	827.5	-4,804.2	4,858.2	0.00	0.00	0.00
14,200.0	90.00	270.44	8,720.0	828.3	-4,904.2	4,957.8	0.00	0.00	0.00
14,300.0	90.00	270.44	8,720.0	829.0	-5,004.2	5,057.5	0.00	0.00	0.00
14,400.0	90.00	270.44	8,720.0	829.8	-5,104.2	5,157.2	0.00	0.00	0.00
14,500.0	90.00	270.44	8,720.0	830.6	-5,204.2	5,256.9	0.00	0.00	0.00
14,600.0	90.00	270.44	8,720.0	831.3	-5,304.2	5,356.6	0.00	0.00	0.00
14,700.0	90.00	270.44	8,720.0	832.1	-5,404.2	5,456.3	0.00	0.00	0.00
14,800.0	90.00	270.44	8,720.0	832.9	-5,504.2	5,555.9	0.00	0.00	0.00
14,900.0	90.00	270.44	8,720.0	833.6	-5,604.2	5,655.6	0.00	0.00	0.00
15,000.0	90.00	270.44	8,720.0	834.4	-5,704.2	5,755.3	0.00	0.00	0.00
15,100.0	90.00	270.44	8,720.0	835.2	-5,804.2	5,855.0	0.00	0.00	0.00
15,200.0	90.00	270.44	8,720.0	835.9	-5,904.2	5,954.7	0.00	0.00	0.00
15,300.0	90.00	270.44	8,720.0	836.7	-6,004.2	6,054.3	0.00	0.00	0.00
15,400.0	90.00	270.44	8,720.0	837.5	-6,104.2	6,154.0	0.00	0.00	0.00
15,500.0	90.00	270.44	8,720.0	838.2	-6,204.2	6,253.7	0.00	0.00	0.00
15,600.0	90.00	270.44	8,720.0	839.0	-6,304.2	6,353.4	0.00	0.00	0.00
15,700.0	90.00	270.44	8,720.0	839.8	-6,404.2	6,453.1	0.00	0.00	0.00
15,800.0	90.00	270.44	8,720.0	840.5	-6,504.2	6,552.8	0.00	0.00	0.00
15,900.0	90.00	270.44	8,720.0	841.3	-6,604.2	6,652.4	0.00	0.00	0.00
16,000.0	90.00	270.44	8,720.0	842.1	-6,704.2	6,752.1	0.00	0.00	0.00
16,100.0	90.00	270.44	8,720.0	842.8	-6,804.2	6,851.8	0.00	0.00	0.00
16,200.0	90.00	270.44	8,720.0	843.6	-6,904.2	6,951.5	0.00	0.00	0.00
16,300.0	90.00	270.44	8,720.0	844.4	-7,004.2	7,051.2	0.00	0.00	0.00
16,400.0	90.00	270.44	8,720.0	845.1	-7,104.2	7,150.8	0.00	0.00	0.00
16,500.0	90.00	270.44	8,720.0	845.9	-7,204.2	7,250.5	0.00	0.00	0.00
16,600.0	90.00	270.44	8,720.0	846.7	-7,304.2	7,350.2	0.00	0.00	0.00
16,700.0	90.00	270.44	8,720.0	847.5	-7,404.2	7,449.9	0.00	0.00	0.00
16,800.0	90.00	270.44	8,720.0	848.2	-7,504.2	7,549.6	0.00	0.00	0.00
16,900.0	90.00	270.44	8,720.0	849.0	-7,604.2	7,649.3	0.00	0.00	0.00
17,000.0	90.00	270.44	8,720.0	849.8	-7,704.2	7,748.9	0.00	0.00	0.00
17,100.0	90.00	270.44	8,720.0	850.5	-7,804.2	7,848.6	0.00	0.00	0.00
17,200.0	90.00	270.44	8,720.0	851.3	-7,904.1	7,948.3	0.00	0.00	0.00
17,300.0	90.00	270.44	8,720.0	852.1	-8,004.1	8,048.0	0.00	0.00	0.00
17,400.0	90.00	270.44	8,720.0	852.8	-8,104.1	8,147.7	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well George #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3004.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3004.5usft
Site:	George	**North Reference:**	Grid
Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,500.0	90.00	270.44	8,720.0	853.6	-8,204.1	8,247.3	0.00	0.00	0.00
17,600.0	90.00	270.44	8,720.0	854.4	-8,304.1	8,347.0	0.00	0.00	0.00
17,700.0	90.00	270.44	8,720.0	855.1	-8,404.1	8,446.7	0.00	0.00	0.00
17,800.0	90.00	270.44	8,720.0	855.9	-8,504.1	8,546.4	0.00	0.00	0.00
17,900.0	90.00	270.44	8,720.0	856.7	-8,604.1	8,646.1	0.00	0.00	0.00
18,000.0	90.00	270.44	8,720.0	857.4	-8,704.1	8,745.8	0.00	0.00	0.00
18,100.0	90.00	270.44	8,720.0	858.2	-8,804.1	8,845.4	0.00	0.00	0.00
18,200.0	90.00	270.44	8,720.0	859.0	-8,904.1	8,945.1	0.00	0.00	0.00
18,300.0	90.00	270.44	8,720.0	859.7	-9,004.1	9,044.8	0.00	0.00	0.00
18,400.0	90.00	270.44	8,720.0	860.5	-9,104.1	9,144.5	0.00	0.00	0.00
18,500.0	90.00	270.44	8,720.0	861.3	-9,204.1	9,244.2	0.00	0.00	0.00
18,600.0	90.00	270.44	8,720.0	862.0	-9,304.1	9,343.8	0.00	0.00	0.00
18,700.0	90.00	270.44	8,720.0	862.8	-9,404.1	9,443.5	0.00	0.00	0.00
18,800.0	90.00	270.44	8,720.0	863.6	-9,504.1	9,543.2	0.00	0.00	0.00
18,900.0	90.00	270.44	8,720.0	864.3	-9,604.1	9,642.9	0.00	0.00	0.00
19,000.0	90.00	270.44	8,720.0	865.1	-9,704.1	9,742.6	0.00	0.00	0.00
19,100.0	90.00	270.44	8,720.0	865.9	-9,804.1	9,842.3	0.00	0.00	0.00
19,176.7	90.00	270.44	8,720.0	866.5	-9,880.8	9,918.7	0.00	0.00	0.00
TD at 19176.7									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP - George #133H - plan hits target center - Point	0.00	0.00	8,147.0	785.0	722.0	442,293.00	587,932.00	32° 12' 56.379 N	104° 2' 56.436 W
BHL - George #133H - plan misses target center by 60.5usft at 19171.9usft MD (8720.0 TVD, 866.4 N, -9876.0 E) - Point	0.00	0.00	8,720.0	927.0	-9,875.5	442,435.00	577,334.00	32° 12' 58.045 N	104° 4' 59.796 W

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
287.0	287.0	Z (Salado)		1.24	90.10
1,059.0	1,058.8	Z (Castile (T))		1.24	90.10
2,626.8	2,621.1	Z (G30:CS14-CSB)		1.24	90.10
2,673.7	2,667.2	Z (G26: Bell Cyn.)		1.24	90.10
3,642.1	3,617.9	Z (G13: Cherry Cyn.)		1.24	90.10
4,797.4	4,752.1	Z (G7: Brushy Cyn.)		1.24	90.10
6,451.2	6,375.6	Z (G4: BSGL (CS9))		1.24	90.10
7,201.0	7,111.7	Z (L5.3: FBSC)		1.24	90.10
7,403.3	7,310.3	Z (L5.1: FBSG)		1.24	90.10
7,689.6	7,592.0	Z (L4.3: SBSC)		1.24	90.10
8,225.1	8,125.6	Z (L4.1: SBSG)		1.24	90.10
8,630.5	8,502.9	Z (L3.3: TBSC)		1.24	90.10

Planning Report

Database:	EDM 5000.14 Server	**Local Co-ordinate Reference:**	Well George #133H
Company:	Matador Production Company	**TVD Reference:**	KB @ 3004.5usft
Project:	Rustler Breaks	**MD Reference:**	KB @ 3004.5usft
Site:	George	**North Reference:**	Grid
Well:	George #133H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
300.0	300.0	0.0	0.0	Start Build 1.00
424.5	424.5	-1.2	-0.7	Start 1051.2 hold at 424.5 MD
1,475.7	1,475.5	-20.8	-12.3	Start Drop -1.00
1,600.3	1,600.0	-22.0	-13.0	Start Build 1.00
2,697.6	2,690.7	55.5	57.5	Start 4817.3 hold at 2697.6 MD
7,514.9	7,419.9	733.4	675.0	Start Drop -1.50
8,246.5	8,147.0	785.0	722.0	Start Build 10.00
9,146.5	8,720.0	789.4	149.1	Start 10030.2 hold at 9146.5 MD
19,176.7	8,720.0	866.5	-9,880.8	TD at 19176.7

Addendum to Natural Gas Management Plan for Matador's

George 133H and 134H

VI. Separation Equipment

Flow from the wells will be routed via a flowline to a 48"x15' three phase separator dedicated to the well. The first stage separators are sized with input from BRE ProMax and API 12J. Anticipated production rates can be seen in the below table. Liquid retention times at expected maximum rates will be >3 minutes. Gas will be routed from the first stage separator to sales. Hydrocarbon liquids are dumped from the first stage separator and commingled to one or more heater treaters. The flash gas from the heater treater(s) could either be sent to sales or routed to a compressor if the sales line pressure is higher than the MAWP of the heater treater (125 psi). From the heater treaters, hydrocarbon liquid will be routed to the tanks where vapor is compressed by a VRU if technically feasible to either sales or a compressor if the sales line pressure is higher than the VRU's maximum discharge pressure (~150 psi). Therefore, Matador has sized our separation equipment to optimize gas capture and our separation equipment is of sufficient size to handle the expected volumes of gas.

Well Name	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
George 133H	1,920	4,211	6,000
George 134H	1,920	4,211	6,000

VII. Operation Practices

Although not a complete recitation of all our efforts to comply with a subsection A through F of 19.15.27.8 NMAC, a summary is as follows. During drilling, Matador will have a properly sized flare stack at least 100 feet from the nearest surface hole. During initial flowback we will route the flowback fluids into completion or storage tanks and, to the extent possible, flare rather than vent any gas. We will commence operation of a separator as soon as technically feasible, and have instructed our team that we want to connect the gas to sales as soon as possible but not later than 30 days after initial flowback.

Regarding production operations, we have designed our production facilities to be compliant with the requirements of Part E of 19.15.27.8 NMAC. We will instruct our team to perform the AVOs on the frequency required under the rules. While the well is producing, we will take steps to minimize flaring during maintenance, as set forth below, and we have a process in place for the measuring of any flared gas and the reporting of any reportable flaring events.

VII. Best Management Practices

Steps are taken to minimize venting during active or planned maintenance when technically feasible including:

- Isolating the affected component and reducing pressure through process piping
- Blowing down the equipment being maintained to a control device
- Performing preventative maintenance and minimizing the duration of maintenance activities
- Shutting in sources of supply as possible
- Other steps that are available depending on the maintenance being performed

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: Matador Production Company **OGRID:** 228937 **Date:** 01/13/2023

II. Type: ☒Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
George 133H	TBD	P 14-24S-28E	1126' FSL 786' FEL	1,920	4,211	6,000
George 134H	TBD	P 14-24S-28E	1126' FSL 756' FEL	1,920	4,211	6,000

IV. Central Delivery Point Name: Tiger TB [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
George 133H	TBD	06/23/2023	07/08/2023	07/25/2023	08/25/2023	08/25/2023
George 134H	TBD	07/09/2023	07/24/2023	07/25/2023	08/25/2023	08/25/2023

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan

EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐does ☐does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: Klint Franz
Printed Name: Klint Franz
Title: Production Engineer
E-mail Address: klint.franz@matadorresources.com
Date: 01/12/2023
Phone: (972) 371-5200
OIL CONSERVATION DIVISION **(Only applicable when submitted as a standalone form)**
Approved By:
Title:
Approval Date:
Conditions of Approval: