

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 339500

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

1. Operator Name and Address MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240		2. OGRID Number 228937
		3. API Number 30-015-53832
4. Property Code 320766	5. Property Name DAVID EDELSTEIN STATE COM	6. Well No. 123H

7. Surface Location

UL - Lot I	Section 12	Township 24S	Range 27E	Lot Idn I	Feet From 1996	N/S Line S	Feet From 330	E/W Line E	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot L	Section 11	Township 24S	Range 27E	Lot Idn L	Feet From 1980	N/S Line S	Feet From 110	E/W Line W	County Eddy
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9. Pool Information

WILLOW LAKE;BONE SPRING,WEST	96415
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3089
16. Multiple N	17. Proposed Depth 18080	18. Formation Bone Spring	19. Contractor	20. Spud Date 10/21/2023
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	450	400	0
Int1	12.25	9.625	40	2503	730	0
Prod	8.75	5.5	20	18080	3000	2303

Casing/Cement Program: Additional Comments

Option to drill surface hole with surface setting rig

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.	OIL CONSERVATION DIVISION	
Signature:		
Printed Name: Electronically filed by Brett A Jennings	Approved By: Ward Rikala	
Title: Regulatory Analyst	Title:	
Email Address: brett.jennings@matadorresources.com	Approved Date: 6/2/2023	Expiration Date: 6/2/2025
Date: 5/15/2023	Phone: 972-629-2160	Conditions of Approval Attached

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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 C-102

August 1, 2011

Permit 339500

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-015-53832	2. Pool Code 96415	3. Pool Name WILLOW LAKE;BONE SPRING,WEST
4. Property Code 320766	5. Property Name DAVID EDELSTEIN STATE COM	6. Well No. 123H
7. OGRID No. 228937	8. Operator Name MATADOR PRODUCTION COMPANY	9. Elevation 3089

10. Surface Location

UL - Lot I	Section 12	Township 24S	Range 27E	Lot Idn I	Feet From 1996	N/S Line S	Feet From 330	E/W Line E	County Eddy
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00	13. Joint or Infill			14. Consolidation Code Communitization			15. Order No.		

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

	OPERATOR CERTIFICATION <i>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(s) 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.</i> E-Signed By: Brett A Jennings Title: Regulatory Analyst Date: 5/15/2023
	SURVEYOR CERTIFICATION <i>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 and correct to the best of my belief.</i> Surveyed By: Michael Brown Date of Survey: 9/23/2022 Certificate Number: 18329

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Form APD Conditions

Permit 339500

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:		API Number:
MATADOR PRODUCTION COMPANY [228937]		30-015-53832
One Lincoln Centre		Well:
Dallas, TX 75240		DAVID EDELSTEIN STATE COM #123H

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

David Edelstein

David Edelstein State Com #123H

Wellbore #1

State Plan #1

Anticollision Report

04 November, 2022

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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	11/4/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	18,079.9	State Plan #1 (Wellbore #1)	MWD	OWSG MWD - Standard

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
David Edelstein						
David Edelstein #203H - Wellbore #1 - Actual	0.0	0.0	110.2			
David Edelstein #203H - Wellbore #1 - Actual	300.0	299.3	110.6	109.1	73.689	ES
David Edelstein #203H - Wellbore #1 - Actual	7,500.0	7,485.6	264.4	211.4	4.992	SF
David Edelstein #223 - OH - Actual	5,466.2	5,464.0	53.2	12.7	1.312	Level 3, CC
David Edelstein #223 - OH - Actual	5,500.0	5,497.5	53.3	12.5	1.306	Level 3, ES, SF
David Edelstein State Com #113H - Wellbore #1 - State P	1,438.7	1,436.9	26.4	16.7	2.727	CC
David Edelstein State Com #113H - Wellbore #1 - State P	1,500.0	1,497.8	26.8	16.7	2.648	ES, SF
David Edelstein State Com #114H - Wellbore #1 - State P	500.0	500.0	42.4	39.3	13.582	CC, ES
David Edelstein State Com #114H - Wellbore #1 - State P	18,080.6	17,388.3	1,829.9	1,365.6	3.941	SF
David Edelstein State Com #124H - Wellbore #1 - State	500.0	500.0	30.0	26.9	9.604	CC, ES
David Edelstein State Com #124H - Wellbore #1 - State	18,079.9	18,100.6	1,319.9	812.4	2.601	SF

Offset Design	David Edelstein - David Edelstein #203H - Wellbore #1 - Actual												Offset Site Error:	0.0 usft
Survey Program:	202-MWD												Offset Well Error:	0.0 usft
Reference	Offset	Semi Major Axis			Distance				Minimum Separation	Separation Factor	Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
0.0	0.0	0.0	0.0	0.0	0.0	0.33	110.2	0.6	110.2					
100.0	100.0	100.0	100.0	0.1	0.2	0.37	110.2	0.7	110.2	109.9	0.28	390.692		
200.0	200.0	200.0	200.0	0.5	0.3	0.51	110.2	1.0	110.2	109.4	0.79	138.750		
300.0	300.0	299.3	299.3	0.8	0.7	0.64	110.6	1.2	110.6	109.1	1.50	73.689	ES	
400.0	400.0	398.6	398.6	1.2	1.0	0.68	111.5	1.3	111.5	109.3	2.21	50.436		
500.0	500.0	498.8	498.8	1.6	1.4	0.65	112.6	1.3	112.6	109.7	2.92	38.549		
600.0	600.0	599.1	599.1	1.9	1.7	0.61	113.5	1.2	113.5	109.9	3.64	31.221		
700.0	700.0	699.5	699.5	2.3	2.1	0.67	114.1	1.3	114.2	109.8	4.35	26.227		
800.0	800.0	798.4	798.4	2.6	2.4	1.14	115.1	2.3	115.1	110.1	5.07	22.727		
900.0	900.0	897.7	897.6	3.0	2.8	2.23	116.8	4.6	116.9	111.1	5.78	20.232		
1,000.0	1,000.0	997.8	997.7	3.4	3.1	3.67	118.6	7.6	118.9	112.4	6.50	18.306		
1,100.0	1,100.0	1,097.5	1,097.2	3.7	3.5	-87.90	120.3	11.3	120.8	113.6	7.20	16.778		
1,200.0	1,200.0	1,196.0	1,195.6	4.0	3.9	-86.84	122.7	16.3	123.6	115.7	7.90	15.645		
1,300.0	1,299.9	1,295.5	1,294.8	4.4	4.2	-86.01	125.9	22.8	127.3	118.7	8.61	14.788		
1,400.0	1,399.7	1,396.1	1,395.3	4.7	4.6	-86.30	129.0	28.6	130.6	121.2	9.33	14.000		
1,500.0	1,499.4	1,496.6	1,495.6	5.1	5.0	-87.74	131.6	33.4	133.2	123.2	10.05	13.260		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
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Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 202-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
1,600.0	1,598.9	1,596.9	1,595.8	5.5	5.3	-89.99	133.9	37.8	135.6	124.9	10.77	12.587		
1,700.0	1,698.3	1,696.7	1,695.5	5.8	5.7	-92.79	135.9	42.4	138.1	126.5	11.51	11.996		
1,800.0	1,797.4	1,796.5	1,795.0	6.2	6.0	-95.64	137.9	48.4	140.9	128.7	12.25	11.503		
1,900.0	1,896.4	1,897.3	1,895.6	6.6	6.4	-98.45	139.6	55.3	143.8	130.8	13.00	11.060		
2,000.0	1,995.5	1,998.4	1,996.5	7.0	6.8	-101.20	140.4	62.2	146.1	132.4	13.76	10.621		
2,100.0	2,094.5	2,097.1	2,094.9	7.4	7.2	-103.61	141.1	69.4	148.7	134.2	14.51	10.244		
2,200.0	2,193.5	2,195.8	2,193.3	7.8	7.5	-105.47	142.8	77.7	152.2	136.9	15.27	9.965		
2,300.0	2,292.5	2,294.2	2,291.3	8.2	7.9	-107.21	145.3	85.8	156.6	140.6	16.03	9.770		
2,400.0	2,391.6	2,393.0	2,389.7	8.6	8.3	-109.10	148.4	93.1	162.0	145.3	16.79	9.654		
2,500.0	2,490.6	2,493.2	2,489.7	9.0	8.6	-111.15	151.3	99.7	167.7	150.1	17.55	9.554		
2,600.0	2,589.6	2,592.8	2,589.1	9.4	9.0	-113.40	153.8	105.4	173.4	155.1	18.30	9.476		
2,700.0	2,688.6	2,692.7	2,688.9	9.8	9.4	-115.57	156.1	110.9	179.3	160.3	19.06	9.411		
2,800.0	2,787.7	2,791.8	2,787.8	10.2	9.7	-117.55	158.4	116.6	185.4	165.6	19.81	9.361		
2,900.0	2,886.7	2,889.7	2,885.4	10.6	10.1	-119.20	161.5	122.4	192.4	171.8	20.55	9.362		
3,000.0	2,985.7	2,988.6	2,984.0	11.0	10.5	-120.57	165.7	128.4	200.3	179.0	21.30	9.403		
3,100.0	3,084.8	3,088.4	3,083.6	11.4	10.8	-121.83	169.9	134.6	208.3	186.2	22.06	9.442		
3,146.9	3,131.2	3,135.2	3,130.3	11.6	11.0	-122.38	171.8	137.5	212.0	189.6	22.41	9.459		
3,200.0	3,183.8	3,187.9	3,182.8	11.8	11.2	-122.97	174.0	140.8	216.1	193.2	22.81	9.473		
3,300.0	3,283.2	3,287.2	3,281.8	12.2	11.6	-123.67	178.0	146.5	222.8	199.3	23.55	9.459		
3,400.0	3,382.8	3,386.8	3,381.2	12.6	12.0	-123.82	182.1	152.0	228.3	204.0	24.30	9.396		
3,500.0	3,482.6	3,486.4	3,480.5	13.0	12.3	-123.39	186.3	157.6	232.4	207.4	25.04	9.284		
3,600.0	3,582.6	3,585.6	3,579.5	13.3	12.7	-122.43	190.7	163.0	235.4	209.6	25.77	9.135		
3,680.2	3,662.8	3,665.1	3,658.8	13.6	13.0	-28.48	194.3	167.0	237.0	210.7	26.35	8.996		
3,700.0	3,682.6	3,684.7	3,678.4	13.7	13.1	-28.17	195.2	168.0	237.4	210.9	26.49	8.961		
3,800.0	3,782.6	3,786.4	3,779.8	14.0	13.4	-26.59	199.6	173.1	238.8	211.6	27.23	8.772		
3,900.0	3,882.6	3,888.1	3,881.3	14.3	13.8	-24.96	203.3	178.9	239.7	211.7	27.96	8.571		
4,000.0	3,982.6	3,988.0	3,981.0	14.6	14.2	-23.33	206.6	184.9	240.3	211.6	28.69	8.377		
4,100.0	4,082.6	4,087.8	4,080.6	15.0	14.6	-21.69	209.9	191.0	241.0	211.6	29.41	8.195		
4,200.0	4,182.6	4,187.0	4,179.5	15.3	14.9	-20.10	213.3	196.9	242.1	211.9	30.13	8.034		
4,300.0	4,282.6	4,286.5	4,278.8	15.7	15.3	-18.58	216.8	202.5	243.5	212.7	30.85	7.894		
4,400.0	4,382.6	4,386.6	4,378.7	16.0	15.7	-17.15	220.2	207.8	245.1	213.5	31.57	7.764		
4,500.0	4,482.6	4,486.3	4,478.2	16.3	16.0	-15.80	223.3	212.9	246.7	214.4	32.28	7.642		
4,600.0	4,582.6	4,585.6	4,577.3	16.7	16.4	-14.42	226.8	218.1	248.6	215.6	32.99	7.536		
4,700.0	4,682.6	4,686.1	4,677.6	17.0	16.8	-12.95	230.4	223.8	250.8	217.1	33.72	7.438		
4,800.0	4,782.6	4,787.3	4,778.5	17.3	17.2	-11.29	233.7	230.6	252.6	218.1	34.45	7.333		
4,900.0	4,882.6	4,887.6	4,878.5	17.7	17.5	-9.52	236.6	238.0	254.1	219.0	35.17	7.226		
5,000.0	4,982.6	4,987.6	4,978.2	18.0	17.9	-7.81	239.4	245.3	255.8	219.9	35.89	7.127		
5,100.0	5,082.6	5,087.3	5,077.6	18.4	18.3	-6.19	242.1	252.3	257.6	221.0	36.61	7.037		
5,200.0	5,182.6	5,187.0	5,177.0	18.7	18.7	-4.67	244.7	258.9	259.6	222.3	37.32	6.957		
5,300.0	5,282.6	5,287.0	5,276.8	19.1	19.0	-3.25	247.3	265.2	261.8	223.8	38.04	6.883		
5,400.0	5,382.6	5,387.2	5,376.8	19.4	19.4	-1.90	249.8	271.3	264.0	225.3	38.75	6.814		
5,500.0	5,482.6	5,488.7	5,478.1	19.8	19.8	-0.71	251.9	276.7	266.0	226.5	39.47	6.739		
5,600.0	5,582.6	5,589.5	5,578.8	20.1	20.2	0.27	253.4	281.3	267.4	227.2	40.18	6.656		
5,700.0	5,682.6	5,688.6	5,677.9	20.4	20.5	0.93	254.9	284.4	269.0	228.1	40.87	6.580		
5,800.0	5,782.6	5,788.9	5,778.2	20.8	20.9	1.25	256.7	285.9	270.8	229.2	41.57	6.513		
5,900.0	5,882.6	5,889.8	5,879.0	21.1	21.2	1.06	258.1	285.1	272.1	229.9	42.26	6.441		
6,000.0	5,982.6	5,990.3	5,979.4	21.5	21.5	0.66	259.4	283.2	273.4	230.5	42.93	6.369		
6,100.0	6,082.6	6,091.0	6,080.2	21.8	21.8	0.11	260.4	280.6	274.4	230.8	43.60	6.294		
6,200.0	6,182.6	6,193.7	6,182.8	22.2	22.2	-0.44	260.9	277.9	274.9	230.6	44.27	6.209		
6,300.0	6,282.6	6,294.0	6,283.0	22.5	22.5	-0.71	260.7	276.6	274.7	229.7	44.94	6.112		
6,400.0	6,382.6	6,394.9	6,384.0	22.9	22.8	-0.62	260.4	277.1	274.4	228.8	45.62	6.014		
6,500.0	6,482.6	6,495.6	6,484.7	23.2	23.2	-0.29	259.7	278.7	273.7	227.4	46.32	5.910		

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Anticollision Report

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Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 202-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
6,600.0	6,582.6	6,595.6	6,584.7	23.6	23.5	0.04	258.9	280.2	273.0	225.9	47.01	5.806		
6,700.0	6,682.6	6,694.8	6,683.8	23.9	23.9	0.23	258.4	281.1	272.4	224.7	47.70	5.710		
6,800.0	6,782.6	6,795.2	6,784.2	24.3	24.2	0.35	257.8	281.7	271.8	223.4	48.39	5.616		
6,900.0	6,882.6	6,894.2	6,883.3	24.6	24.5	0.44	257.4	282.1	271.4	222.4	49.08	5.530		
7,000.0	6,982.6	6,995.7	6,984.8	25.0	24.9	0.66	256.9	283.2	270.9	221.2	49.78	5.442		
7,100.0	7,082.6	7,096.6	7,085.6	25.3	25.2	0.98	255.8	284.7	269.8	219.4	50.48	5.346		
7,200.0	7,182.6	7,194.9	7,183.9	25.7	25.6	1.12	254.9	285.3	269.0	217.8	51.17	5.256		
7,234.4	7,217.0	7,228.3	7,217.4	25.8	25.7	1.16	254.8	285.5	268.9	217.5	51.41	5.230		
7,250.0	7,232.6	7,243.5	7,232.5	25.8	25.7	81.17	254.8	285.5	268.8	217.3	51.51	5.219		
7,300.0	7,282.4	7,294.3	7,283.3	26.0	25.9	82.03	254.7	285.7	268.2	216.4	51.84	5.174		
7,350.0	7,331.8	7,344.8	7,333.8	26.2	26.1	83.87	254.4	285.8	267.0	214.8	52.15	5.119		
7,400.0	7,380.3	7,394.8	7,383.8	26.3	26.2	86.64	253.9	285.8	265.4	213.0	52.44	5.061		
7,450.0	7,427.5	7,442.5	7,431.5	26.4	26.4	90.13	253.2	285.8	264.1	211.4	52.71	5.011		
7,469.8	7,445.8	7,459.7	7,448.7	26.5	26.5	91.58	253.0	285.7	264.0	211.2	52.81	4.998		
7,500.0	7,473.2	7,485.6	7,474.6	26.6	26.5	93.89	252.8	285.6	264.4	211.4	52.96	4.992 SF		
7,550.0	7,516.9	7,527.1	7,516.1	26.7	26.7	97.89	252.8	285.3	267.2	214.0	53.19	5.023		
7,600.0	7,558.3	7,570.5	7,559.5	26.8	26.8	102.34	253.0	284.9	273.1	219.7	53.40	5.114		
7,650.0	7,597.1	7,611.2	7,600.2	27.0	26.9	106.57	252.8	284.4	282.6	229.0	53.59	5.273		
7,700.0	7,633.0	7,645.9	7,634.9	27.1	27.1	109.88	252.6	284.1	296.5	242.7	53.77	5.514		
7,750.0	7,665.8	7,676.4	7,665.4	27.3	27.2	112.30	252.6	284.0	315.6	261.6	53.95	5.849		
7,800.0	7,695.1	7,703.4	7,692.4	27.5	27.3	113.78	252.7	284.0	339.7	285.6	54.11	6.278		
7,850.0	7,720.8	7,728.0	7,717.0	27.7	27.3	114.37	252.9	284.2	368.5	314.3	54.26	6.792		
7,900.0	7,742.7	7,749.7	7,738.7	27.9	27.4	113.88	253.1	284.4	401.5	347.1	54.39	7.382		
7,950.0	7,760.5	7,767.4	7,756.4	28.2	27.5	112.00	253.2	284.5	437.9	383.4	54.50	8.036		
8,000.0	7,774.3	7,780.9	7,769.9	28.5	27.5	108.48	253.3	284.6	477.3	422.7	54.58	8.744		
8,050.0	7,783.7	7,790.2	7,779.2	28.9	27.6	103.03	253.4	284.6	518.9	464.3	54.65	9.496		
8,100.0	7,788.9	7,795.2	7,784.2	29.3	27.6	95.43	253.4	284.7	562.4	507.7	54.69	10.283		
8,134.4	7,790.0	7,796.1	7,785.1	29.6	27.6	88.95	253.4	284.7	593.0	538.3	54.70	10.839		
8,200.0	7,790.0	7,795.8	7,784.8	30.2	27.6	88.82	253.4	284.7	652.6	597.9	54.73	11.925		
8,300.0	7,790.0	7,795.3	7,784.3	31.2	27.6	88.58	253.4	284.7	746.5	691.7	54.76	13.632		
8,400.0	7,790.0	7,794.8	7,783.8	32.4	27.6	88.25	253.4	284.7	842.7	787.9	54.79	15.382		
8,500.0	7,790.0	7,794.3	7,783.2	33.7	27.6	87.75	253.4	284.7	940.4	885.6	54.81	17.159		
8,600.0	7,790.0	7,793.7	7,782.7	35.2	27.6	86.95	253.4	284.7	1,039.2	984.4	54.83	18.954		
8,700.0	7,790.0	7,793.0	7,782.0	36.7	27.6	85.44	253.4	284.6	1,138.6	1,083.7	54.84	20.762		
8,756.0	7,790.0	7,792.7	7,781.7	37.6	27.6	83.82	253.4	284.6	1,194.4	1,139.6	54.85	21.777		
8,800.0	7,790.0	7,792.4	7,781.4	38.3	27.6	83.61	253.4	284.6	1,238.3	1,183.5	54.85	22.575		
8,900.0	7,790.0	7,791.7	7,780.7	40.0	27.6	83.12	253.4	284.6	1,338.2	1,283.3	54.87	24.389		
9,000.0	7,790.0	7,791.1	7,780.1	41.8	27.6	82.64	253.4	284.6	1,438.0	1,383.1	54.88	26.203		
9,100.0	7,790.0	10,536.2	9,287.1	43.6	46.3	175.52	231.5	-1,227.2	1,501.9	1,472.1	29.85	50.313		
9,200.0	7,790.0	10,665.9	9,287.2	45.5	48.6	175.38	229.6	-1,356.9	1,502.1	1,470.8	31.34	47.929		
9,300.0	7,790.0	10,830.5	9,283.1	47.5	51.6	175.14	228.7	-1,521.4	1,500.2	1,466.9	33.25	45.119		
9,400.0	7,790.0	10,997.5	9,270.8	49.5	54.9	174.55	236.2	-1,687.8	1,493.7	1,458.2	35.46	42.121		
9,500.0	7,790.0	11,055.9	9,266.0	51.5	56.0	174.32	239.3	-1,745.9	1,486.2	1,449.7	36.46	40.763		
9,600.0	7,790.0	11,110.4	9,262.8	53.6	57.1	174.13	241.6	-1,800.2	1,481.3	1,443.8	37.50	39.507		
9,700.0	7,790.0	11,176.0	9,261.6	55.7	58.4	173.90	244.8	-1,865.7	1,480.1	1,441.4	38.72	38.222		
9,712.8	7,790.0	11,176.0	9,261.6	55.9	58.4	173.90	244.8	-1,865.7	1,480.1	1,441.3	38.81	38.139		
9,800.0	7,790.0	9,800.0	9,259.8	57.8	31.8	173.50	249.1	-2,005.4	1,480.2	1,450.0	30.23	48.959		
9,900.0	7,790.0	11,410.6	9,254.9	59.9	63.3	173.23	251.7	-2,100.0	1,475.9	1,433.7	42.25	34.932		
9,994.0	7,790.0	11,458.0	9,253.9	62.0	64.3	173.09	253.3	-2,147.4	1,474.7	1,431.3	43.34	34.025		
10,000.0	7,790.0	11,458.0	9,253.9	62.1	64.3	173.09	253.3	-2,147.4	1,474.7	1,431.3	43.38	33.991		
10,100.0	7,790.0	11,533.4	9,254.5	64.3	65.9	172.90	255.2	-2,222.8	1,476.1	1,431.3	44.82	32.936		
10,200.0	7,790.0	10,200.0	9,249.7	66.5	37.1	172.57	254.7	-2,421.3	1,473.6	1,437.5	36.15	40.759		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 202-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
10,300.0	7,790.0	11,814.7	9,245.4	68.7	72.0	172.46	253.7	-2,503.8	1,469.0	1,420.2	48.79	30.109		
10,400.0	7,790.0	11,940.6	9,240.4	71.0	74.7	172.36	250.4	-2,629.5	1,465.4	1,414.8	50.62	28.950		
10,500.0	7,790.0	12,012.9	9,237.3	73.2	76.3	172.27	249.2	-2,701.8	1,461.4	1,409.4	52.00	28.103		
10,600.0	7,790.0	12,087.6	9,235.2	75.5	78.0	172.19	248.0	-2,776.5	1,458.9	1,405.5	53.42	27.309		
10,700.0	7,790.0	12,231.8	9,231.6	77.7	81.2	172.12	243.3	-2,920.5	1,456.9	1,401.5	55.41	26.293		
10,800.0	7,790.0	12,297.1	9,229.7	80.0	82.6	172.10	240.9	-2,985.8	1,453.9	1,397.2	56.72	25.634		
10,900.0	7,790.0	12,429.4	9,224.8	82.3	85.6	172.08	235.2	-3,117.8	1,450.0	1,391.5	58.58	24.752		
11,000.0	7,790.0	12,499.0	9,222.7	84.6	87.2	172.11	231.1	-3,187.2	1,446.8	1,386.9	59.88	24.161		
11,100.0	7,790.0	12,634.6	9,217.3	86.9	90.2	172.18	223.0	-3,322.5	1,442.4	1,380.7	61.69	23.380		
11,200.0	7,790.0	11,200.0	9,210.7	89.2	64.7	172.25	215.1	-3,445.9	1,436.9	1,386.3	50.55	28.423		
11,300.0	7,790.0	12,869.6	9,202.3	91.6	95.6	172.29	208.6	-3,556.5	1,429.0	1,363.9	65.05	21.969		
11,400.0	7,790.0	12,923.9	9,199.1	93.9	96.8	172.26	206.6	-3,610.7	1,423.2	1,356.9	66.31	21.464		
11,500.0	7,790.0	12,978.0	9,197.7	96.2	98.1	172.21	205.2	-3,664.7	1,420.8	1,353.3	67.58	21.023		
11,595.4	7,790.0	13,061.4	9,197.3	98.5	100.0	172.21	201.8	-3,748.0	1,420.4	1,351.4	69.03	20.578		
11,600.0	7,790.0	13,065.4	9,197.3	98.6	100.1	172.21	201.6	-3,752.0	1,420.4	1,351.3	69.09	20.559		
11,700.0	7,790.0	13,166.6	9,197.8	100.9	102.4	172.34	194.3	-3,853.0	1,420.6	1,350.0	70.57	20.130		
11,800.0	7,790.0	13,317.7	9,193.8	103.3	105.9	172.41	185.7	-4,003.8	1,417.1	1,344.6	72.52	19.541		
11,900.0	7,790.0	13,390.5	9,191.6	105.6	107.6	172.41	182.4	-4,076.5	1,414.3	1,340.3	73.92	19.133		
11,967.3	7,790.0	13,433.5	9,191.3	107.2	108.6	172.43	180.2	-4,119.4	1,413.7	1,338.9	74.78	18.904		
12,000.0	7,790.0	13,456.6	9,191.5	108.0	109.1	172.44	178.9	-4,142.4	1,413.8	1,338.6	75.21	18.798		
12,100.0	7,790.0	13,537.6	9,192.5	110.3	111.0	172.42	176.1	-4,223.5	1,415.2	1,338.5	76.69	18.454		
12,200.0	7,790.0	13,655.2	9,193.5	112.7	113.8	172.24	175.8	-4,341.0	1,416.5	1,337.8	78.70	18.000		
12,300.0	7,790.0	13,825.0	9,190.5	115.1	117.8	171.89	177.1	-4,510.7	1,415.9	1,334.5	81.37	17.400		
12,400.0	7,790.0	13,888.6	9,187.5	117.4	119.3	171.63	180.4	-4,574.1	1,412.7	1,329.6	83.10	17.000		
12,442.0	7,790.0	13,909.0	9,186.9	118.4	119.7	171.54	181.8	-4,594.5	1,412.3	1,328.6	83.75	16.864		
12,500.0	7,790.0	13,945.7	9,186.6	119.8	120.6	171.38	184.2	-4,631.1	1,412.7	1,327.9	84.77	16.666		
12,600.0	7,790.0	14,013.0	9,187.6	122.2	122.2	171.12	188.3	-4,698.3	1,415.7	1,329.1	86.55	16.356		
12,700.0	7,790.0	14,214.2	9,182.6	124.6	126.9	170.02	206.5	-4,898.5	1,414.7	1,323.8	90.93	15.558		
12,800.0	7,790.0	14,284.0	9,179.4	127.0	128.6	169.62	213.2	-4,967.9	1,412.6	1,319.4	93.18	15.160		
12,849.5	7,790.0	14,320.1	9,178.2	128.1	129.4	169.40	216.8	-5,003.8	1,412.3	1,318.0	94.33	14.972		
12,900.0	7,790.0	14,355.5	9,177.5	129.3	130.3	169.19	220.5	-5,039.0	1,412.6	1,317.1	95.50	14.792		
13,000.0	7,790.0	14,427.2	9,177.1	131.7	132.0	168.80	227.4	-5,110.3	1,414.8	1,317.0	97.81	14.464		
13,100.0	7,790.0	14,510.6	9,179.1	134.1	134.0	168.54	230.9	-5,193.7	1,418.7	1,318.8	99.97	14.191		
13,200.0	7,790.0	14,617.0	9,183.5	136.5	136.5	168.53	227.6	-5,299.9	1,422.9	1,321.1	101.83	13.974		
13,300.0	7,790.0	14,790.4	9,188.1	138.9	140.6	168.77	215.3	-5,472.8	1,425.6	1,321.9	103.68	13.750		
13,400.0	7,790.0	14,906.7	9,185.3	141.3	143.3	168.97	204.7	-5,588.6	1,422.0	1,316.9	105.10	13.529		
13,492.6	7,790.0	14,965.6	9,186.0	143.5	144.7	169.26	195.1	-5,646.6	1,420.9	1,315.1	105.84	13.425		
13,500.0	7,790.0	14,970.9	9,186.2	143.7	144.8	169.29	194.2	-5,651.9	1,420.9	1,315.0	105.89	13.418		
13,600.0	7,790.0	13,600.0	9,188.0	146.1	112.6	169.78	177.0	-5,779.9	1,420.8	1,326.9	93.93	15.126		
13,700.0	7,790.0	15,272.4	9,177.7	148.5	151.9	169.73	169.1	-5,951.4	1,413.8	1,304.7	109.04	12.965		
13,800.0	7,790.0	15,356.2	9,171.9	150.9	153.9	169.57	168.7	-6,035.0	1,407.5	1,296.5	111.06	12.674		
13,900.0	7,790.0	15,449.1	9,165.7	153.3	156.1	169.34	169.4	-6,127.7	1,401.9	1,288.6	113.28	12.375		
14,000.0	7,790.0	15,514.0	9,161.8	155.7	157.7	169.16	170.4	-6,192.5	1,397.3	1,282.0	115.26	12.123		
14,100.0	7,790.0	15,580.1	9,159.6	158.1	159.2	169.00	171.1	-6,258.5	1,395.2	1,278.1	117.16	11.909		
14,110.9	7,790.0	15,586.0	9,159.5	158.4	159.4	168.99	171.1	-6,264.4	1,395.2	1,277.9	117.34	11.890		
14,200.0	7,790.0	15,668.9	9,159.7	160.5	161.4	168.88	170.5	-6,347.3	1,395.9	1,276.8	119.15	11.716		
14,300.0	7,790.0	15,754.4	9,159.9	162.9	163.4	168.84	168.1	-6,432.8	1,396.5	1,275.6	120.91	11.550		
14,400.0	7,790.0	15,937.4	9,158.6	165.3	167.8	168.92	158.1	-6,615.4	1,396.0	1,273.0	123.03	11.347		
14,500.0	7,790.0	16,055.2	9,152.7	167.7	170.6	168.87	153.3	-6,732.9	1,391.1	1,266.1	125.01	11.128		
14,600.0	7,790.0	16,137.1	9,148.2	170.1	172.6	168.86	149.4	-6,814.6	1,385.7	1,259.0	126.74	10.933		
14,700.0	7,790.0	16,215.6	9,145.9	172.5	174.4	168.92	144.0	-6,892.9	1,382.2	1,254.0	128.22	10.780		
14,800.0	7,790.0	16,305.6	9,143.8	175.0	176.6	168.95	139.1	-6,982.7	1,379.7	1,249.8	129.84	10.626		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 202-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,900.0	7,790.0	16,406.5	9,141.4	177.4	179.0	168.84	137.3	-7,083.6	1,377.8	1,245.8	131.94	10.442		
15,000.0	7,790.0	16,501.2	9,138.2	179.8	181.3	168.68	136.7	-7,178.2	1,375.2	1,241.1	134.14	10.252		
15,100.0	7,790.0	16,594.4	9,136.7	182.2	183.5	168.53	136.1	-7,271.4	1,374.3	1,238.0	136.31	10.082		
15,200.0	7,790.0	16,718.1	9,132.3	184.6	186.5	168.29	136.0	-7,395.0	1,371.5	1,232.5	138.97	9.869		
15,300.0	7,790.0	16,819.8	9,128.3	187.0	189.0	168.11	135.3	-7,496.6	1,368.4	1,227.1	141.33	9.683		
15,400.0	7,790.0	16,886.6	9,126.3	189.4	190.6	168.01	134.6	-7,563.4	1,366.2	1,222.9	143.24	9.537		
15,424.5	7,790.0	16,900.9	9,126.2	190.0	190.9	167.99	134.3	-7,577.7	1,366.1	1,222.4	143.65	9.510		
15,500.0	7,790.0	16,948.7	9,126.6	191.9	192.1	167.97	133.0	-7,625.5	1,366.9	1,222.1	144.86	9.436		
15,600.0	7,790.0	17,127.6	9,127.1	194.3	196.4	167.68	132.7	-7,804.3	1,369.6	1,221.4	148.17	9.243		
15,700.0	7,790.0	17,234.7	9,122.1	196.7	199.0	167.54	130.5	-7,911.3	1,365.4	1,215.0	150.48	9.074		
15,800.0	7,790.0	17,319.7	9,118.5	199.1	201.0	167.44	128.6	-7,996.2	1,361.7	1,209.1	152.59	8.924		
15,900.0	7,790.0	17,396.7	9,116.4	201.5	202.9	167.38	126.5	-8,073.1	1,359.4	1,204.8	154.52	8.797		
16,000.0	7,790.0	17,479.2	9,115.7	204.0	204.9	167.34	123.8	-8,155.5	1,358.7	1,202.3	156.37	8.689		
16,100.0	7,790.0	17,620.0	9,112.8	206.4	208.3	167.04	124.5	-8,296.3	1,358.0	1,198.5	159.53	8.513		
16,200.0	7,790.0	17,731.4	9,107.1	208.8	211.0	166.71	126.7	-8,407.6	1,354.4	1,191.8	162.65	8.327		
16,300.0	7,790.0	17,778.5	9,105.7	211.2	212.1	166.57	127.9	-8,454.6	1,352.7	1,187.9	164.78	8.209		
16,302.2	7,790.0	17,779.7	9,105.7	211.3	212.1	166.56	127.9	-8,455.8	1,352.7	1,187.9	164.83	8.207		
16,400.0	7,790.0	17,850.0	9,105.4	213.6	213.9	166.34	130.4	-8,526.0	1,354.0	1,186.7	167.30	8.094		
16,500.0	7,790.0	17,938.7	9,105.8	216.1	216.0	166.04	134.1	-8,614.7	1,356.4	1,186.2	170.25	7.967		
16,600.0	7,790.0	18,049.3	9,107.2	218.5	218.7	165.70	138.1	-8,725.2	1,359.6	1,186.0	173.63	7.830		
16,700.0	7,790.0	18,183.6	9,105.1	220.9	221.9	165.21	144.1	-8,859.3	1,360.2	1,182.3	177.88	7.647		
16,800.0	7,790.0	18,310.1	9,101.5	223.3	225.0	164.90	145.6	-8,985.8	1,358.8	1,177.5	181.30	7.495		
16,900.0	7,790.0	18,423.9	9,097.1	225.8	227.8	164.69	144.8	-9,099.5	1,356.0	1,171.8	184.21	7.361		
17,000.0	7,790.0	18,527.5	9,092.3	228.2	230.3	164.48	144.1	-9,203.0	1,352.4	1,165.4	187.09	7.229		
17,100.0	7,790.0	18,596.8	9,089.5	230.6	231.9	164.34	144.1	-9,272.2	1,349.7	1,160.1	189.62	7.118		
17,140.9	7,790.0	18,620.5	9,089.0	231.6	232.5	164.28	144.3	-9,295.9	1,349.5	1,158.9	190.58	7.081		
17,200.0	7,790.0	18,656.7	9,088.7	233.0	233.4	164.19	145.0	-9,332.1	1,350.0	1,158.0	191.99	7.032		
17,300.0	7,790.0	18,733.7	9,089.5	235.5	235.3	164.01	146.4	-9,409.1	1,352.6	1,158.0	194.59	6.951		
17,400.0	7,790.0	18,822.1	9,091.5	237.9	237.4	163.82	147.9	-9,497.4	1,356.4	1,159.1	197.34	6.874		
17,500.0	7,790.0	18,912.2	9,094.3	240.3	239.6	163.64	149.5	-9,587.5	1,361.1	1,161.0	200.12	6.801		
17,600.0	7,790.0	19,034.5	9,097.7	242.7	242.6	163.42	150.8	-9,709.7	1,365.2	1,161.7	203.47	6.710		
17,700.0	7,790.0	19,106.5	9,100.1	245.2	244.3	163.33	150.8	-9,781.7	1,369.6	1,164.0	205.60	6.661		
17,800.0	7,790.0	19,235.1	9,104.1	247.6	247.4	163.14	151.3	-9,910.2	1,373.9	1,164.9	208.93	6.576		
17,900.0	7,790.0	19,333.1	9,106.2	250.0	249.8	162.99	151.8	-10,008.2	1,377.3	1,165.5	211.76	6.504		
18,000.0	7,790.0	19,425.0	9,108.3	252.5	252.1	162.85	152.1	-10,100.1	1,380.8	1,166.4	214.44	6.439		
18,079.9	7,790.0	19,425.0	9,108.3	254.4	252.1	162.85	152.1	-10,100.1	1,386.3	1,171.5	214.81	6.454		
18,080.6	7,790.0	19,425.0	9,108.3	254.4	252.1	162.85	152.1	-10,100.1	1,386.4	1,171.5	214.89	6.452		

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 135-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	0.00	80.0	0.0	80.0					
100.0	100.0	100.0	100.0	0.1	0.1	0.06	80.0	0.1	80.0	79.7	0.27	296.757		
200.0	200.0	200.2	200.2	0.5	0.4	0.40	79.9	0.6	79.9	79.0	0.91	87.603		
300.0	300.0	301.2	301.2	0.8	0.8	1.39	79.1	1.9	79.1	77.5	1.64	48.332		
400.0	400.0	401.4	401.4	1.2	1.2	2.90	77.3	3.9	77.4	75.0	2.36	32.829		
500.0	500.0	501.6	501.5	1.6	1.5	4.68	75.2	6.2	75.5	72.4	3.08	24.503		
600.0	600.0	601.6	601.5	1.9	1.9	6.64	72.9	8.5	73.4	69.6	3.80	19.303		
700.0	700.0	701.0	700.8	2.3	2.3	8.43	71.2	10.5	72.0	67.4	4.53	15.903		
800.0	800.0	800.9	800.7	2.6	2.6	9.80	69.9	12.1	70.9	65.7	5.25	13.519		
900.0	900.0	900.7	900.4	3.0	3.0	11.07	68.7	13.4	70.0	64.0	5.96	11.735		
952.1	952.1	952.3	952.0	3.2	3.2	11.40	68.4	13.8	69.8	63.5	6.33	11.025		
1,000.0	1,000.0	1,000.1	999.9	3.4	3.3	11.44	68.5	13.9	69.9	63.2	6.67	10.483		
1,100.0	1,100.0	1,100.3	1,100.1	3.7	3.7	-82.38	68.7	13.6	69.9	62.5	7.35	9.508		
1,200.0	1,200.0	1,200.4	1,200.1	4.0	4.0	-84.89	68.4	13.1	69.2	61.2	8.02	8.626		
1,300.0	1,299.9	1,300.1	1,299.8	4.4	4.3	-89.00	68.4	12.5	69.0	60.3	8.70	7.926		
1,309.7	1,309.6	1,309.8	1,309.5	4.4	4.4	-89.50	68.4	12.4	68.9	60.2	8.77	7.866		
1,400.0	1,399.7	1,399.7	1,399.5	4.7	4.7	-94.92	68.5	11.4	69.3	59.9	9.38	7.384		
1,500.0	1,499.4	1,499.3	1,499.0	5.1	5.0	-102.28	68.8	10.1	70.9	60.8	10.07	7.036		
1,600.0	1,598.9	1,599.0	1,598.7	5.5	5.3	-110.17	69.0	9.2	74.0	63.2	10.77	6.872		
1,700.0	1,698.3	1,699.1	1,698.9	5.8	5.7	-117.47	69.1	9.9	78.4	66.9	11.48	6.828		
1,800.0	1,797.4	1,799.2	1,798.9	6.2	6.0	-124.23	68.7	11.9	83.8	71.6	12.20	6.874		
1,900.0	1,896.4	1,898.1	1,897.8	6.6	6.4	-130.41	68.2	14.2	90.6	77.7	12.91	7.017		
2,000.0	1,995.5	1,997.6	1,997.3	7.0	6.8	-136.17	67.3	15.7	98.5	84.9	13.62	7.231		
2,100.0	2,094.5	2,095.9	2,095.5	7.4	7.1	-140.87	66.8	17.1	107.6	93.3	14.33	7.510		
2,200.0	2,193.5	2,195.0	2,194.7	7.8	7.5	-144.40	67.3	18.9	117.7	102.6	15.04	7.826		
2,300.0	2,292.5	2,293.7	2,293.3	8.2	7.8	-147.63	67.4	20.0	128.5	112.7	15.74	8.159		
2,400.0	2,391.6	2,392.6	2,392.2	8.6	8.2	-150.73	67.0	20.3	139.9	123.5	16.45	8.505		
2,500.0	2,490.6	2,491.6	2,491.3	9.0	8.5	-153.26	66.8	20.7	151.8	134.6	17.16	8.844		
2,600.0	2,589.6	2,590.7	2,590.3	9.4	8.9	-155.42	66.7	21.1	163.9	146.1	17.87	9.172		
2,700.0	2,688.6	2,690.3	2,689.9	9.8	9.2	-157.35	66.3	21.6	176.1	157.6	18.59	9.476		
2,800.0	2,787.7	2,789.9	2,789.5	10.2	9.6	-159.06	65.7	22.3	188.2	168.9	19.30	9.748		
2,900.0	2,886.7	2,888.9	2,888.5	10.6	9.9	-160.54	65.2	23.1	200.3	180.3	20.02	10.007		
3,000.0	2,985.7	2,989.6	2,989.2	11.0	10.3	-161.87	64.6	24.0	212.5	191.7	20.74	10.244		
3,100.0	3,084.8	3,093.8	3,093.3	11.4	10.7	-163.12	63.2	26.4	223.1	201.6	21.48	10.386		
3,146.9	3,131.2	3,143.1	3,142.6	11.6	10.9	-163.71	62.2	28.4	227.3	205.5	21.83	10.413		
3,200.0	3,183.8	3,198.6	3,198.0	11.8	11.1	-164.34	60.8	31.2	231.1	208.9	22.22	10.402		
3,300.0	3,283.2	3,301.2	3,300.4	12.2	11.4	-165.29	57.9	37.7	235.1	212.2	22.94	10.248		
3,400.0	3,382.8	3,401.9	3,400.8	12.6	11.8	-166.02	54.9	44.6	236.0	212.3	23.66	9.973		
3,500.0	3,482.6	3,502.0	3,500.6	13.0	12.2	-166.65	51.5	51.6	234.2	209.8	24.38	9.605		
3,600.0	3,582.6	3,601.7	3,600.0	13.3	12.6	-167.30	47.6	58.4	229.8	204.7	25.09	9.160		
3,680.2	3,662.8	3,681.2	3,679.2	13.6	12.9	-74.87	44.5	63.7	224.7	199.0	25.66	8.756		
3,700.0	3,682.6	3,700.8	3,698.8	13.7	13.0	-74.97	43.7	65.0	223.2	197.4	25.80	8.653		
3,800.0	3,782.6	3,800.1	3,797.9	14.0	13.4	-75.48	40.1	71.3	216.2	189.7	26.50	8.157		
3,900.0	3,882.6	3,903.6	3,901.0	14.3	13.8	-76.12	35.8	78.6	208.3	181.1	27.21	7.657		
4,000.0	3,982.6	4,008.9	4,005.6	14.6	14.2	-77.03	30.1	88.4	198.0	170.1	27.89	7.100		
4,100.0	4,082.6	4,111.6	4,107.5	15.0	14.7	-78.08	23.9	100.4	185.3	156.7	28.58	6.483		
4,200.0	4,182.6	4,211.0	4,205.9	15.3	15.1	-79.28	17.6	113.0	171.6	142.3	29.29	5.858		
4,300.0	4,282.6	4,309.3	4,303.2	15.7	15.6	-80.67	11.4	125.2	158.3	128.2	30.02	5.272		
4,400.0	4,382.6	4,407.3	4,400.3	16.0	16.0	-82.38	5.2	136.8	145.6	114.8	30.77	4.733		
4,500.0	4,482.6	4,505.0	4,497.3	16.3	16.5	-84.40	-1.0	147.5	134.0	102.5	31.53	4.249		
4,600.0	4,582.6	4,604.2	4,595.8	16.7	16.9	-86.77	-7.1	157.6	123.3	91.0	32.29	3.818		
4,700.0	4,682.6	4,704.3	4,695.1	17.0	17.4	-89.36	-12.8	168.4	112.4	79.3	33.06	3.400		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 135-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,800.0	4,782.6	4,803.6	4,793.7	17.3	17.9	-92.50	-18.4	179.5	101.3	67.4	33.86	2.991		
4,900.0	4,882.6	4,904.1	4,893.2	17.7	18.3	-96.81	-24.6	191.4	89.9	55.2	34.69	2.592		
5,000.0	4,982.6	5,002.6	4,990.7	18.0	18.8	-102.69	-31.2	203.6	78.7	43.1	35.63	2.209		
5,100.0	5,082.6	5,101.0	5,088.3	18.4	19.3	-109.78	-37.4	214.9	69.4	32.8	36.66	1.894		
5,200.0	5,182.6	5,199.9	5,186.4	18.7	19.8	-118.02	-43.2	225.2	62.2	24.5	37.72	1.649		
5,300.0	5,282.6	5,299.2	5,285.1	19.1	20.2	-128.17	-49.0	235.5	56.8	17.9	38.83	1.462 Level 3		
5,400.0	5,382.6	5,398.3	5,383.4	19.4	20.7	-139.88	-55.1	245.4	53.7	13.8	39.91	1.346 Level 3		
5,466.2	5,448.8	5,464.0	5,448.8	19.6	21.0	-147.68	-59.0	251.6	53.2	12.7	40.54	1.312 Level 3, CC		
5,500.0	5,482.6	5,497.5	5,482.1	19.8	21.2	-151.53	-60.9	254.6	53.3	12.5	40.83	1.306 Level 3, ES, SF		
5,600.0	5,582.6	5,597.0	5,581.0	20.1	21.6	-162.51	-66.7	263.4	55.3	13.8	41.56	1.331 Level 3		
5,700.0	5,682.6	5,697.2	5,680.8	20.4	22.1	-171.05	-71.5	271.0	58.2	16.0	42.18	1.380 Level 3		
5,800.0	5,782.6	5,797.3	5,780.7	20.8	22.5	-176.28	-74.9	276.1	61.1	18.3	42.78	1.427 Level 3		
5,900.0	5,882.6	5,897.7	5,881.0	21.1	22.8	-179.75	-78.0	279.8	64.0	20.6	43.39	1.475 Level 3		
6,000.0	5,982.6	5,998.5	5,981.8	21.5	23.2	-179.11	-79.6	281.1	65.7	21.6	44.04	1.491 Level 3		
6,100.0	6,082.6	6,098.9	6,082.2	21.8	23.5	-178.91	-80.4	281.3	66.4	21.7	44.71	1.485 Level 3		
6,200.0	6,182.6	6,199.3	6,182.5	22.2	23.9	-178.65	-80.7	281.6	66.7	21.3	45.39	1.469 Level 3		
6,300.0	6,282.6	6,299.1	6,282.3	22.5	24.2	-178.26	-80.8	282.1	66.8	20.7	46.06	1.450 Level 3		
6,400.0	6,382.6	6,399.6	6,382.9	22.9	24.5	-177.62	-80.7	282.8	66.8	20.0	46.72	1.429 Level 3		
6,500.0	6,482.6	6,499.8	6,483.1	23.2	24.8	-177.12	-80.0	283.3	66.1	18.7	47.38	1.394 Level 3		
6,549.5	6,532.1	6,548.8	6,532.1	23.4	25.0	-176.92	-79.8	283.6	65.9	18.1	47.72	1.380 Level 3		
6,600.0	6,582.6	6,598.8	6,582.1	23.6	25.2	-176.70	-80.0	283.8	66.1	18.0	48.05	1.375 Level 3		
6,700.0	6,682.6	6,698.7	6,682.0	23.9	25.5	-176.33	-80.8	284.3	66.9	18.2	48.73	1.373 Level 3		
6,800.0	6,782.6	6,798.8	6,782.1	24.3	25.8	-176.18	-81.5	284.5	67.6	18.2	49.41	1.369 Level 3		
6,900.0	6,882.6	6,898.4	6,881.7	24.6	26.2	-175.65	-82.4	285.2	68.6	18.5	50.08	1.370 Level 3		
7,000.0	6,982.6	6,998.3	6,981.5	25.0	26.5	-174.55	-83.8	286.7	70.1	19.4	50.74	1.383 Level 3		
7,100.0	7,082.6	7,098.7	7,081.9	25.3	26.9	-173.94	-84.9	287.6	71.3	19.9	51.41	1.388 Level 3		
7,200.0	7,182.6	7,198.5	7,181.7	25.7	27.2	-173.80	-85.8	287.8	72.2	20.1	52.09	1.387 Level 3		
7,234.4	7,217.0	7,232.6	7,215.8	25.8	27.3	-173.64	-86.3	288.1	72.7	20.4	52.32	1.390 Level 3		
7,250.0	7,232.6	7,248.1	7,231.3	25.8	27.4	-106.64	-86.5	288.2	73.0	20.6	52.42	1.393 Level 3		
7,300.0	7,282.4	7,298.5	7,281.7	26.0	27.5	-109.25	-87.1	288.5	74.8	22.1	52.64	1.421 Level 3		
7,350.0	7,331.8	7,348.6	7,331.8	26.2	27.7	-114.26	-87.4	288.3	78.0	25.2	52.76	1.478 Level 3		
7,400.0	7,380.3	7,397.9	7,381.1	26.3	27.9	-120.92	-87.4	287.6	83.5	30.7	52.77	1.582		
7,450.0	7,427.5	7,446.0	7,429.2	26.4	28.0	-128.21	-87.1	286.6	92.3	39.6	52.76	1.750		
7,500.0	7,473.2	7,491.5	7,474.6	26.6	28.1	-135.04	-86.9	285.5	105.8	53.0	52.80	2.003		
7,550.0	7,516.9	7,535.0	7,518.2	26.7	28.3	-140.92	-87.0	284.5	124.3	71.4	52.91	2.349		
7,600.0	7,558.3	7,576.5	7,559.7	26.8	28.4	-145.65	-87.3	283.7	147.6	94.6	53.07	2.782		
7,650.0	7,597.1	7,615.3	7,598.4	27.0	28.5	-149.21	-87.6	283.1	175.5	122.2	53.26	3.295		
7,700.0	7,633.0	7,651.5	7,634.6	27.1	28.6	-151.78	-87.9	282.5	207.4	153.9	53.46	3.879		
7,750.0	7,665.8	7,684.5	7,667.6	27.3	28.7	-153.44	-88.2	282.1	242.8	189.2	53.65	4.526		
7,800.0	7,695.1	7,714.1	7,697.3	27.5	28.8	-154.26	-88.5	281.7	281.5	227.6	53.83	5.229		
7,850.0	7,720.8	7,740.3	7,723.5	27.7	28.9	-154.22	-88.8	281.3	322.8	268.9	53.98	5.981		
7,900.0	7,742.7	7,762.7	7,745.8	27.9	29.0	-153.16	-89.1	281.0	366.6	312.5	54.11	6.774		
7,950.0	7,760.5	7,781.1	7,764.2	28.2	29.0	-150.70	-89.3	280.8	412.2	358.0	54.22	7.603		
8,000.0	7,774.3	7,795.3	7,778.5	28.5	29.1	-145.90	-89.4	280.6	459.5	405.2	54.30	8.462		
8,050.0	7,783.7	7,805.4	7,788.5	28.9	29.1	-136.58	-89.5	280.4	507.9	453.5	54.36	9.343		
8,100.0	7,788.9	7,811.1	7,794.2	29.3	29.1	-117.36	-89.6	280.4	557.1	502.7	54.40	10.240		
8,134.4	7,790.0	7,812.5	7,795.7	29.6	29.1	-94.39	-89.6	280.3	591.2	536.8	54.41	10.864		
8,200.0	7,790.0	7,813.3	7,796.4	30.2	29.1	-94.17	-89.6	280.3	656.2	601.7	54.43	12.055		
8,300.0	7,790.0	7,814.5	7,797.6	31.2	29.1	-93.87	-89.6	280.3	755.1	700.7	54.46	13.866		
8,400.0	7,790.0	7,815.7	7,798.8	32.4	29.1	-93.60	-89.6	280.3	853.9	799.4	54.49	15.670		
8,500.0	7,790.0	7,817.0	7,800.1	33.7	29.1	-93.37	-89.6	280.3	952.4	897.9	54.53	17.466		
8,600.0	7,790.0	7,818.3	7,801.4	35.2	29.1	-93.17	-89.6	280.3	1,050.6	996.0	54.56	19.254		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 135-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,700.0	7,790.0	7,819.5	7,802.6	36.7	29.1	-92.97	-89.7	280.2	1,148.5	1,093.9	54.60	21.033		
8,756.0	7,790.0	7,820.2	7,803.3	37.6	29.1	-92.88	-89.7	280.2	1,203.2	1,148.5	54.63	22.026		
8,800.0	7,790.0	7,820.8	7,803.9	38.3	29.1	-93.00	-89.7	280.2	1,246.1	1,191.5	54.64	22.804		
8,900.0	7,790.0	7,822.1	7,805.2	40.0	29.1	-93.29	-89.7	280.2	1,344.0	1,289.3	54.69	24.576		
9,000.0	7,790.0	7,823.4	7,806.6	41.8	29.2	-93.57	-89.7	280.2	1,442.1	1,387.4	54.72	26.352		
9,100.0	7,790.0	7,824.8	7,807.9	43.6	29.2	-93.85	-89.7	280.2	1,540.5	1,485.7	54.76	28.130		
9,200.0	7,790.0	7,826.1	7,809.2	45.5	29.2	-94.14	-89.7	280.2	1,639.1	1,584.3	54.80	29.910		
9,300.0	7,790.0	7,827.4	7,810.5	47.5	29.2	-94.42	-89.7	280.1	1,737.8	1,683.0	54.84	31.691		
9,400.0	7,790.0	7,828.7	7,811.8	49.5	29.2	-94.70	-89.7	280.1	1,836.7	1,781.8	54.87	33.472		
9,500.0	7,790.0	7,830.0	7,813.1	51.5	29.2	-94.98	-89.8	280.1	1,935.7	1,880.8	54.91	35.253		
9,600.0	7,790.0	7,831.3	7,814.4	53.6	29.2	-95.25	-89.8	280.1	2,034.8	1,979.8	54.94	37.034		
9,700.0	7,790.0	7,832.6	7,815.7	55.7	29.2	-95.53	-89.8	280.1	2,133.9	2,079.0	54.98	38.814		
9,800.0	7,790.0	7,833.9	7,817.0	57.8	29.2	-95.80	-89.8	280.1	2,233.2	2,178.2	55.01	40.593		
9,900.0	7,790.0	7,835.2	7,818.3	59.9	29.2	-96.08	-89.8	280.0	2,332.5	2,277.4	55.05	42.371		
10,000.0	7,790.0	12,646.0	10,191.2	62.1	150.8	-175.54	-120.2	-2,346.2	2,417.5	2,369.7	47.82	50.556		
10,100.0	7,790.0	12,734.6	10,184.9	64.3	155.8	-175.77	-113.6	-2,434.3	2,409.4	2,360.5	48.90	49.277		
10,200.0	7,790.0	12,836.0	10,177.2	66.5	161.4	-176.19	-99.7	-2,534.4	2,400.5	2,350.6	49.87	48.135		
10,300.0	7,790.0	12,885.3	10,173.9	68.7	164.2	-176.40	-92.5	-2,583.1	2,393.0	2,342.5	50.53	47.354		
10,400.0	7,790.0	12,930.0	10,172.6	71.0	166.6	-176.60	-86.0	-2,627.3	2,388.4	2,337.2	51.19	46.661		
10,487.6	7,790.0	12,930.0	10,172.6	72.9	166.6	-176.60	-86.0	-2,627.3	2,386.8	2,335.2	51.59	46.269		
10,500.0	7,790.0	12,930.0	10,172.6	73.2	166.6	-176.60	-86.0	-2,627.3	2,386.9	2,335.2	51.65	46.216		
10,600.0	7,790.0	12,977.4	10,173.2	75.5	169.3	-176.82	-78.9	-2,674.1	2,387.8	2,335.4	52.36	45.607		
10,700.0	7,790.0	13,023.0	10,176.0	77.7	171.8	-177.03	-71.8	-2,719.1	2,392.3	2,339.3	53.07	45.083		
10,800.0	7,790.0	13,197.5	10,185.9	80.0	181.7	-177.67	-52.8	-2,892.1	2,398.4	2,343.8	54.61	43.918		
10,900.0	7,790.0	10,900.0	10,180.6	82.3	50.3	-178.06	-48.2	-3,173.7	2,395.6	2,356.8	38.87	61.628		
11,000.0	7,790.0	13,573.5	10,175.0	84.6	203.2	-178.09	-50.4	-3,267.7	2,389.7	2,330.7	58.94	40.542		
11,100.0	7,790.0	13,629.1	10,172.4	86.9	206.4	-178.06	-54.1	-3,323.2	2,385.3	2,325.2	60.01	39.749		
11,200.0	7,790.0	11,200.0	10,168.5	89.2	154.6	-177.88	-66.0	-3,438.8	2,382.2	2,337.3	44.92	53.031		
11,300.0	7,790.0	13,831.1	10,164.3	91.6	217.8	-177.77	-74.0	-3,523.9	2,377.6	2,314.3	63.32	37.551		
11,400.0	7,790.0	13,879.0	10,163.4	93.9	220.6	-177.73	-77.8	-3,571.7	2,375.5	2,311.2	64.34	36.922		
11,500.0	7,790.0	11,500.0	10,157.5	96.2	86.3	-177.71	-86.1	-3,755.5	2,372.3	2,326.0	46.24	51.299		
11,600.0	7,790.0	14,116.0	10,155.2	98.6	234.2	-177.72	-87.4	-3,808.3	2,368.0	2,300.3	67.76	34.945		
11,700.0	7,790.0	14,162.0	10,154.6	100.9	236.8	-177.72	-89.7	-3,854.2	2,366.5	2,297.8	68.73	34.431		
11,800.0	7,790.0	14,302.7	10,153.7	103.3	245.0	-177.69	-96.7	-3,994.8	2,366.3	2,295.5	70.73	33.454		
11,900.0	7,790.0	14,395.0	10,150.9	105.6	250.3	-177.69	-100.5	-4,086.9	2,363.3	2,291.1	72.19	32.739		
12,000.0	7,790.0	14,447.0	10,150.4	108.0	253.3	-177.67	-103.2	-4,138.8	2,362.4	2,289.2	73.23	32.259		
12,046.3	7,790.0	12,046.3	10,149.5	109.1	115.9	-177.63	-108.0	-4,214.3	2,361.7	2,306.4	55.26	42.741		
12,100.0	7,790.0	14,570.3	10,148.7	110.3	260.4	-177.59	-111.4	-4,261.9	2,360.9	2,285.7	75.13	31.422		
12,200.0	7,790.0	14,918.0	10,125.6	112.7	280.3	-177.49	-129.0	-4,607.7	2,353.2	2,273.8	79.36	29.651		
12,300.0	7,790.0	14,961.3	10,121.2	115.1	282.8	-177.52	-129.5	-4,650.8	2,343.0	2,262.7	80.30	29.176		
12,400.0	7,790.0	15,014.0	10,117.3	117.4	285.8	-177.56	-129.7	-4,703.3	2,335.2	2,253.9	81.30	28.723		
12,500.0	7,790.0	15,046.2	10,115.7	119.8	287.7	-177.59	-129.9	-4,735.5	2,329.8	2,247.7	82.11	28.373		
12,600.0	7,790.0	15,109.0	10,114.4	122.2	291.3	-177.61	-131.5	-4,798.2	2,327.2	2,243.9	83.23	27.960		
12,676.7	7,790.0	15,124.0	10,114.4	124.0	292.2	-177.61	-132.1	-4,813.2	2,326.4	2,242.6	83.76	27.776		
12,700.0	7,790.0	15,137.1	10,114.4	124.6	293.0	-177.61	-132.7	-4,826.3	2,326.5	2,242.5	84.01	27.692		
12,800.0	7,790.0	15,201.0	10,115.4	127.0	296.7	-177.56	-137.5	-4,890.0	2,328.0	2,242.8	85.25	27.307		
12,900.0	7,790.0	15,483.0	10,111.3	129.3	312.9	-177.57	-148.8	-5,171.1	2,327.2	2,238.4	88.77	26.217		
13,000.0	7,790.0	15,537.9	10,107.1	131.7	316.1	-177.69	-145.7	-5,225.7	2,320.6	2,231.0	89.63	25.892		
13,100.0	7,790.0	15,578.0	10,107.0	134.1	318.4	-177.76	-144.5	-5,265.8	2,319.0	2,228.5	90.43	25.645		
13,126.3	7,790.0	15,578.0	10,107.0	134.7	318.4	-177.76	-144.5	-5,265.8	2,318.8	2,228.3	90.55	25.609		
13,200.0	7,790.0	15,589.2	10,107.4	136.5	319.0	-177.78	-144.4	-5,277.0	2,320.0	2,229.0	90.96	25.504		
13,300.0	7,790.0	15,856.5	10,105.8	138.9	334.6	-178.08	-143.2	-5,544.2	2,319.5	2,225.6	93.83	24.720		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 135-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,400.0	7,790.0	15,923.4	10,103.3	141.3	338.4	-178.18	-141.8	-5,611.0	2,315.6	2,220.7	94.89	24.404		
13,500.0	7,790.0	15,990.3	10,101.9	143.7	342.3	-178.25	-141.9	-5,677.9	2,313.3	2,217.3	95.99	24.099		
13,600.0	7,790.0	16,050.0	10,101.3	146.1	345.8	-178.26	-143.8	-5,737.6	2,312.3	2,215.3	97.09	23.816		
13,614.7	7,790.0	16,067.1	10,101.2	146.4	346.8	-178.26	-144.7	-5,754.7	2,312.3	2,214.9	97.35	23.751		
13,700.0	7,790.0	16,117.0	10,101.5	148.5	349.7	-178.21	-148.7	-5,804.4	2,313.0	2,214.6	98.36	23.516		
13,800.0	7,790.0	16,289.7	10,101.7	150.9	359.6	-178.03	-163.3	-5,976.4	2,313.3	2,212.3	101.02	22.899		
13,900.0	7,790.0	16,429.0	10,097.4	153.3	367.7	-178.08	-166.7	-6,115.6	2,310.0	2,207.1	102.90	22.450		
14,000.0	7,790.0	16,468.3	10,096.2	155.7	370.0	-178.10	-167.6	-6,154.8	2,307.6	2,203.8	103.79	22.233		
14,021.0	7,790.0	16,473.7	10,096.2	156.2	370.3	-178.10	-167.9	-6,160.2	2,307.5	2,203.5	103.95	22.199		
14,100.0	7,790.0	16,523.0	10,097.7	158.1	373.2	-178.06	-171.6	-6,209.4	2,309.2	2,204.3	104.92	22.010		
14,200.0	7,790.0	16,523.0	10,097.7	160.5	373.2	-178.06	-171.6	-6,209.4	2,312.7	2,207.4	105.28	21.967		
14,300.0	7,790.0	16,630.4	10,103.5	162.9	379.4	-177.90	-182.4	-6,316.1	2,318.3	2,211.1	107.22	21.621		
14,400.0	7,790.0	16,902.0	10,108.4	165.3	395.1	-177.69	-202.6	-6,586.6	2,320.8	2,209.6	111.25	20.861		
14,500.0	7,790.0	16,962.9	10,106.7	167.7	398.6	-177.71	-204.2	-6,647.4	2,318.6	2,206.3	112.36	20.636		
14,514.2	7,790.0	16,967.9	10,106.7	168.1	398.9	-177.71	-204.4	-6,652.4	2,318.6	2,206.1	112.48	20.614		
14,600.0	7,790.0	17,001.8	10,107.2	170.1	400.9	-177.72	-205.4	-6,686.3	2,319.6	2,206.4	113.21	20.490		
14,700.0	7,790.0	17,000.0	10,108.5	172.5	266.8	-177.82	-208.3	-6,850.1	2,320.2	2,224.5	95.70	24.244		
14,795.6	7,790.0	17,249.4	10,107.8	174.8	415.3	-177.87	-209.7	-6,933.9	2,319.4	2,202.8	116.57	19.898		
14,800.0	7,790.0	17,251.9	10,107.8	175.0	415.5	-177.87	-209.7	-6,936.3	2,319.4	2,202.8	116.61	19.890		
14,900.0	7,790.0	17,409.0	10,106.3	177.4	424.6	-177.97	-212.0	-7,093.5	2,318.5	2,199.9	118.58	19.551		
15,000.0	7,790.0	17,502.9	10,104.8	179.8	430.1	-178.03	-213.7	-7,187.3	2,316.7	2,196.7	119.98	19.310		
15,100.0	7,790.0	17,567.0	10,102.9	182.2	433.8	-178.07	-214.6	-7,251.3	2,314.2	2,193.2	121.08	19.114		
15,154.7	7,790.0	17,608.7	10,102.1	183.5	436.2	-178.10	-215.0	-7,293.1	2,313.4	2,191.7	121.72	19.006		
15,200.0	7,790.0	17,622.9	10,102.2	184.6	437.1	-178.11	-215.1	-7,307.2	2,313.7	2,191.6	122.05	18.956		
15,300.0	7,790.0	17,663.0	10,103.6	187.0	439.4	-178.15	-215.5	-7,347.3	2,316.6	2,193.7	122.83	18.860		
15,400.0	7,790.0	17,695.8	10,105.5	189.4	441.3	-178.17	-216.0	-7,380.0	2,322.2	2,198.7	123.48	18.806		
15,500.0	7,790.0	17,758.0	10,110.8	191.9	444.9	-178.17	-218.6	-7,442.0	2,330.3	2,205.7	124.52	18.714		
15,600.0	7,790.0	17,838.8	10,118.5	194.3	449.6	-178.14	-223.6	-7,522.2	2,339.7	2,213.8	125.88	18.586		
15,700.0	7,790.0	18,187.8	10,128.1	196.7	469.8	-178.33	-230.6	-7,870.5	2,339.3	2,209.2	130.18	17.970		
15,800.0	7,790.0	18,283.1	10,127.4	199.1	475.4	-178.50	-227.6	-7,965.8	2,338.4	2,207.0	131.37	17.800		
15,900.0	7,790.0	18,365.9	10,126.6	201.5	480.2	-178.65	-224.9	-8,048.5	2,337.2	2,204.8	132.49	17.641		
16,000.0	7,790.0	16,000.0	10,126.3	204.0	342.9	-178.87	-220.7	-8,164.6	2,336.9	2,222.3	114.55	20.401		
16,100.0	7,790.0	18,589.6	10,124.3	206.4	493.2	-179.13	-214.4	-8,271.9	2,334.8	2,199.7	135.15	17.276		
16,200.0	7,790.0	18,719.6	10,122.3	208.8	500.7	-179.60	-200.7	-8,401.2	2,333.2	2,196.7	136.57	17.084		
16,300.0	7,790.0	18,845.2	10,118.4	211.2	507.9	179.91	-186.1	-8,525.9	2,330.0	2,191.8	138.18	16.862		
16,400.0	7,790.0	18,924.3	10,115.6	213.6	512.5	179.66	-179.0	-8,604.6	2,326.5	2,186.9	139.59	16.667		
16,500.0	7,790.0	18,988.0	10,114.5	216.1	516.2	179.51	-175.6	-8,668.2	2,324.8	2,183.9	140.89	16.501		
16,600.0	7,790.0	19,101.8	10,113.5	218.5	522.8	179.39	-175.4	-8,782.0	2,324.0	2,181.4	142.64	16.293		
16,700.0	7,790.0	19,229.9	10,109.5	220.9	530.3	179.44	-182.9	-8,909.8	2,320.7	2,176.3	144.39	16.073		
16,800.0	7,790.0	19,271.0	10,108.5	223.3	532.6	179.49	-186.8	-8,950.7	2,318.6	2,173.2	145.40	15.947		
16,841.0	7,790.0	19,299.1	10,108.2	224.3	534.3	179.54	-189.7	-8,978.6	2,318.3	2,172.4	145.89	15.891		
16,900.0	7,790.0	19,319.6	10,108.5	225.8	535.4	179.58	-192.1	-8,999.0	2,318.9	2,172.5	146.40	15.839		
17,000.0	7,790.0	19,591.7	10,105.9	228.2	551.1	-179.83	-227.3	-9,268.6	2,319.5	2,170.1	149.44	15.521		
17,100.0	7,790.0	19,649.0	10,103.2	230.6	554.4	-179.71	-234.6	-9,325.3	2,314.8	2,164.1	150.71	15.359		
17,200.0	7,790.0	19,718.1	10,101.0	233.0	558.4	-179.58	-242.7	-9,393.9	2,311.8	2,159.7	152.08	15.201		
17,300.0	7,790.0	19,805.8	10,099.3	235.5	563.4	-179.42	-252.5	-9,481.1	2,309.8	2,156.2	153.65	15.033		
17,400.0	7,790.0	19,878.7	10,098.2	237.9	567.7	-179.29	-261.0	-9,553.4	2,308.4	2,153.3	155.08	14.886		
17,437.0	7,790.0	19,900.7	10,098.1	238.8	568.9	-179.25	-263.6	-9,575.3	2,308.3	2,152.7	155.55	14.840		
17,500.0	7,790.0	19,965.2	10,098.3	240.3	572.6	-179.12	-271.4	-9,639.3	2,308.6	2,151.9	156.70	14.732		
17,600.0	7,790.0	20,136.8	10,094.7	242.7	582.6	-178.84	-289.9	-9,809.9	2,306.3	2,146.9	159.43	14.466		
17,700.0	7,790.0	20,245.2	10,090.3	245.2	588.9	-178.69	-300.2	-9,917.7	2,302.3	2,141.0	161.35	14.269		
17,800.0	7,790.0	20,313.0	10,088.8	247.6	592.8	-178.60	-306.7	-9,985.2	2,300.0	2,137.2	162.81	14.127		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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		David Edelstein - David Edelstein #223 - OH - Actual											Offset Site Error:		0.0 usft	
Survey Program:		135-MWD											Offset Well Error:		0.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
17,861.3	7,790.0	20,326.0	10,088.8	249.1	593.5	-178.58	-307.9	-9,998.1	2,299.5	2,136.2	163.31	14.080				
17,900.0	7,790.0	20,344.8	10,088.8	250.0	594.6	-178.55	-309.8	-10,016.9	2,299.6	2,135.9	163.75	14.044				
18,000.0	7,790.0	20,427.7	10,090.0	252.5	599.4	-178.44	-317.8	-10,099.3	2,301.1	2,135.7	165.38	13.914				
18,079.9	7,790.0	20,424.0	10,089.9	254.4	599.2	-178.44	-317.4	-10,095.6	2,303.9	2,138.4	165.53	13.918				
18,080.6	7,790.0	20,424.0	10,089.9	254.4	599.2	-178.44	-317.4	-10,095.6	2,304.0	2,138.4	165.59	13.914				

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	90.00	0.0	30.0	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	90.00	0.0	30.0	30.0	29.7	0.26	117.057		
200.0	200.0	200.0	200.0	0.5	0.5	90.00	0.0	30.0	30.0	29.0	0.97	30.827		
300.0	300.0	300.0	300.0	0.8	0.8	90.00	0.0	30.0	30.0	28.3	1.69	17.751		
400.0	400.0	400.0	400.0	1.2	1.2	90.00	0.0	30.0	30.0	27.6	2.41	12.464		
500.0	500.0	500.0	500.0	1.6	1.6	90.00	0.0	30.0	30.0	26.9	3.12	9.604		
600.0	600.0	600.0	600.0	1.9	1.9	90.00	0.0	30.0	30.0	26.2	3.84	7.811		
700.0	700.0	700.0	700.0	2.3	2.3	90.00	0.0	30.0	30.0	25.4	4.56	6.582		
800.0	800.0	800.0	800.0	2.6	2.6	90.00	0.0	30.0	30.0	24.7	5.27	5.688		
900.0	900.0	900.0	900.0	3.0	3.0	90.00	0.0	30.0	30.0	24.0	5.99	5.007		
1,000.0	1,000.0	1,000.0	1,000.0	3.4	3.4	90.00	0.0	30.0	30.0	23.3	6.71	4.472		
1,100.0	1,100.0	1,099.7	1,099.7	3.7	3.7	-1.61	-0.7	30.5	29.7	22.3	7.40	4.009		
1,200.0	1,200.0	1,199.3	1,199.3	4.0	4.0	2.33	-2.8	32.1	28.7	20.7	8.07	3.559		
1,300.0	1,299.9	1,298.9	1,298.8	4.4	4.4	9.42	-6.2	34.7	27.5	18.7	8.75	3.143		
1,400.0	1,399.7	1,398.4	1,398.1	4.7	4.7	20.18	-11.1	38.3	26.5	17.1	9.43	2.815		
1,438.7	1,438.3	1,436.9	1,436.4	4.9	4.8	25.34	-13.3	40.0	26.4	16.7	9.69	2.727 CC		
1,500.0	1,499.4	1,497.8	1,497.1	5.1	5.0	34.42	-17.3	43.0	26.8	16.7	10.11	2.648 ES, SF		
1,600.0	1,598.9	1,597.0	1,595.9	5.5	5.4	50.24	-24.9	48.6	29.2	18.4	10.79	2.702		
1,700.0	1,698.3	1,696.0	1,694.2	5.8	5.8	64.75	-33.8	55.3	34.3	22.8	11.50	2.986		
1,800.0	1,797.4	1,805.3	1,792.1	6.2	6.2	76.25	-44.0	63.0	42.2	30.0	12.26	3.445		
1,900.0	1,896.4	1,906.0	1,890.5	6.6	6.5	84.39	-55.1	71.3	52.0	39.0	13.02	3.993		
2,000.0	1,995.5	2,006.7	1,988.8	7.0	6.9	89.90	-66.2	79.6	62.5	48.7	13.79	4.529		
2,100.0	2,094.5	2,092.6	2,087.2	7.4	7.3	93.80	-77.2	87.9	73.3	58.8	14.51	5.054		
2,200.0	2,193.5	2,208.1	2,185.5	7.8	7.7	96.69	-88.3	96.1	84.5	69.1	15.35	5.504		
2,300.0	2,292.5	2,308.8	2,283.8	8.2	8.1	98.90	-99.3	104.4	95.8	79.6	16.13	5.936		
2,400.0	2,391.6	2,409.5	2,382.2	8.6	8.5	100.64	-110.4	112.7	107.2	90.2	16.92	6.333		
2,500.0	2,490.6	2,489.8	2,480.5	9.0	8.8	102.05	-121.5	121.0	118.6	101.0	17.63	6.728		
2,600.0	2,589.6	2,589.1	2,578.8	9.4	9.2	103.21	-132.5	129.3	130.2	111.8	18.42	7.066		
2,700.0	2,688.6	2,688.4	2,677.2	9.8	9.6	104.18	-143.6	137.6	141.8	122.6	19.22	7.377		
2,800.0	2,787.7	2,787.7	2,775.5	10.2	10.0	105.00	-154.6	145.9	153.4	133.4	20.01	7.665		
2,900.0	2,886.7	2,887.0	2,873.8	10.6	10.5	105.71	-165.7	154.1	165.0	144.2	20.81	7.931		
3,000.0	2,985.7	2,986.3	2,972.2	11.0	10.9	106.32	-176.8	162.4	176.7	155.1	21.61	8.178		
3,100.0	3,084.8	3,085.6	3,070.5	11.4	11.3	106.86	-187.8	170.7	188.4	166.0	22.41	8.407		
3,146.9	3,131.2	3,132.1	3,116.6	11.6	11.5	107.09	-193.0	174.6	193.9	171.1	22.78	8.509		
3,200.0	3,183.8	3,184.9	3,168.8	11.8	11.7	107.32	-198.9	179.0	200.0	176.8	23.21	8.616		
3,300.0	3,283.2	3,284.3	3,267.3	12.2	12.1	107.20	-209.9	187.3	210.9	186.9	23.99	8.789		
3,400.0	3,382.8	3,383.7	3,365.7	12.6	12.5	106.45	-221.0	195.6	221.0	196.3	24.76	8.926		
3,500.0	3,482.6	3,483.1	3,464.1	13.0	12.9	105.14	-232.1	203.9	230.6	205.1	25.51	9.038		
3,600.0	3,582.6	3,582.4	3,562.4	13.3	13.3	103.33	-243.1	212.2	239.6	213.4	26.24	9.132		
3,680.2	3,662.8	3,661.9	3,641.2	13.6	13.6	-165.57	-252.0	218.8	246.7	219.9	26.80	9.203		
3,700.0	3,682.6	3,681.5	3,660.6	13.7	13.7	-166.07	-254.2	220.4	248.4	221.5	26.94	9.222		
3,800.0	3,782.6	3,780.5	3,758.6	14.0	14.1	-168.45	-265.2	228.7	257.5	229.9	27.63	9.321		
3,900.0	3,882.6	3,879.5	3,856.7	14.3	14.6	-170.68	-276.2	237.0	267.0	238.7	28.31	9.430		
4,000.0	3,982.6	3,978.6	3,954.8	14.6	15.0	-172.74	-287.3	245.2	276.9	247.9	29.00	9.548		
4,100.0	4,082.6	4,077.6	4,052.8	15.0	15.4	-174.67	-298.3	253.5	287.1	257.4	29.68	9.672		
4,200.0	4,182.6	4,178.9	4,153.2	15.3	15.8	-176.48	-309.4	261.8	297.4	267.1	30.39	9.788		
4,300.0	4,282.6	4,284.7	4,258.3	15.7	16.2	-177.96	-319.2	269.2	306.4	275.2	31.13	9.841		
4,400.0	4,382.6	4,391.1	4,364.2	16.0	16.6	-179.04	-326.7	274.8	313.3	281.4	31.86	9.832		
4,500.0	4,482.6	4,497.9	4,470.9	16.3	17.0	-179.74	-331.8	278.6	318.0	285.4	32.58	9.762		
4,600.0	4,582.6	4,605.0	4,577.9	16.7	17.4	179.89	-334.5	280.7	320.6	287.3	33.28	9.634		
4,700.0	4,682.6	4,709.7	4,682.6	17.0	17.7	179.82	-335.0	281.0	321.0	287.1	33.95	9.457		
4,800.0	4,782.6	4,809.7	4,782.6	17.3	18.0	179.82	-335.0	281.0	321.0	286.4	34.62	9.275		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,900.0	4,882.6	4,909.7	4,882.6	17.7	18.4	179.82	-335.0	281.0	321.0	285.8	35.28	9.099		
5,000.0	4,982.6	5,009.7	4,982.6	18.0	18.7	179.82	-335.0	281.0	321.0	285.1	35.95	8.929		
5,100.0	5,082.6	5,109.7	5,082.6	18.4	19.0	179.82	-335.0	281.0	321.0	284.4	36.63	8.765		
5,200.0	5,182.6	5,209.7	5,182.6	18.7	19.3	179.82	-335.0	281.0	321.0	283.7	37.30	8.607		
5,300.0	5,282.6	5,309.7	5,282.6	19.1	19.6	179.82	-335.0	281.0	321.0	283.1	37.97	8.454		
5,400.0	5,382.6	5,409.7	5,382.6	19.4	19.9	179.82	-335.0	281.0	321.0	282.4	38.65	8.306		
5,500.0	5,482.6	5,509.7	5,482.6	19.8	20.3	179.82	-335.0	281.0	321.0	281.7	39.33	8.163		
5,600.0	5,582.6	5,609.7	5,582.6	20.1	20.6	179.82	-335.0	281.0	321.0	281.0	40.01	8.024		
5,700.0	5,682.6	5,709.7	5,682.6	20.4	20.9	179.82	-335.0	281.0	321.0	280.4	40.69	7.890		
5,800.0	5,782.6	5,809.7	5,782.6	20.8	21.2	179.82	-335.0	281.0	321.0	279.7	41.37	7.760		
5,900.0	5,882.6	5,909.7	5,882.6	21.1	21.6	179.82	-335.0	281.0	321.0	279.0	42.06	7.634		
6,000.0	5,982.6	6,009.7	5,982.6	21.5	21.9	179.82	-335.0	281.0	321.0	278.3	42.74	7.512		
6,100.0	6,082.6	6,109.7	6,082.6	21.8	22.2	179.82	-335.0	281.0	321.0	277.6	43.43	7.393		
6,200.0	6,182.6	6,209.7	6,182.6	22.2	22.5	179.82	-335.0	281.0	321.0	276.9	44.11	7.278		
6,300.0	6,282.6	6,309.7	6,282.6	22.5	22.9	179.82	-335.0	281.0	321.0	276.2	44.80	7.166		
6,400.0	6,382.6	6,409.7	6,382.6	22.9	23.2	179.82	-335.0	281.0	321.0	275.6	45.49	7.058		
6,500.0	6,482.6	6,514.2	6,487.0	23.2	23.5	-179.62	-334.6	277.9	320.6	274.5	46.17	6.945		
6,600.0	6,582.6	6,618.2	6,588.9	23.6	23.8	-176.02	-331.9	257.9	318.7	271.8	46.87	6.800		
6,666.6	6,649.2	6,682.3	6,649.2	23.8	24.0	-172.15	-328.9	236.6	317.9	270.6	47.34	6.715		
6,700.0	6,682.6	6,712.3	6,676.6	23.9	24.0	-169.92	-327.2	224.4	318.2	270.6	47.57	6.689		
6,800.0	6,782.6	6,793.6	6,747.0	24.3	24.2	-162.71	-321.7	184.3	324.2	276.3	47.96	6.760		
6,900.0	6,882.6	6,861.9	6,801.2	24.6	24.3	-155.63	-316.0	143.2	341.4	293.9	47.50	7.187		
7,000.0	6,982.6	6,918.6	6,842.3	25.0	24.4	-149.39	-310.7	104.5	372.2	326.3	45.92	8.105		
7,100.0	7,082.6	6,965.6	6,873.2	25.3	24.5	-144.20	-305.9	69.5	416.4	372.9	43.47	9.577		
7,200.0	7,182.6	7,000.0	6,894.0	25.7	24.6	-140.48	-302.1	42.3	472.0	431.6	40.45	11.668		
7,234.4	7,217.0	7,016.5	6,903.3	25.8	24.6	-138.74	-300.3	28.9	493.4	453.7	39.67	12.437		
7,250.0	7,232.6	7,021.7	6,906.2	25.8	24.6	-57.17	-299.7	24.6	503.3	464.1	39.23	12.829		
7,300.0	7,282.4	7,039.0	6,915.5	26.0	24.7	-52.22	-297.7	10.1	535.2	497.3	37.85	14.139		
7,350.0	7,331.8	7,050.0	6,921.1	26.2	24.7	-48.22	-296.4	0.8	566.8	530.6	36.24	15.641		
7,400.0	7,380.3	7,075.3	6,933.4	26.3	24.8	-43.77	-293.4	-21.1	597.7	562.4	35.26	16.950		
7,450.0	7,427.5	7,100.0	6,944.5	26.4	24.9	-40.02	-290.4	-43.0	627.7	593.4	34.28	18.312		
7,500.0	7,473.2	7,113.2	6,950.1	26.6	24.9	-37.29	-288.7	-54.9	656.4	623.5	32.90	19.949		
7,550.0	7,516.9	7,132.7	6,957.7	26.7	25.0	-34.71	-286.3	-72.6	683.8	651.9	31.82	21.487		
7,600.0	7,558.3	7,150.0	6,964.0	26.8	25.1	-32.56	-284.1	-88.6	709.6	678.8	30.73	23.090		
7,650.0	7,597.1	7,172.4	6,971.4	27.0	25.3	-30.62	-281.2	-109.6	733.7	703.8	29.88	24.550		
7,700.0	7,633.0	7,200.0	6,979.4	27.1	25.4	-28.91	-277.6	-135.7	756.0	726.7	29.25	25.842		
7,750.0	7,665.8	7,212.9	6,982.7	27.3	25.5	-27.68	-275.9	-148.1	776.2	747.9	28.31	27.419		
7,800.0	7,695.1	7,233.4	6,987.3	27.5	25.7	-26.55	-273.1	-167.9	794.5	766.9	27.69	28.692		
7,850.0	7,720.8	7,250.0	6,990.5	27.7	25.8	-25.65	-270.9	-184.0	810.8	783.7	27.12	29.895		
7,900.0	7,742.7	7,274.8	6,994.5	27.9	26.0	-24.86	-267.6	-208.2	824.8	798.0	26.86	30.710		
7,950.0	7,760.5	7,300.0	6,997.4	28.2	26.2	-24.24	-264.2	-233.0	836.7	810.0	26.72	31.307		
8,000.0	7,774.3	7,316.4	6,998.7	28.5	26.3	-23.79	-261.9	-249.3	846.3	819.6	26.64	31.770		
8,050.0	7,783.7	7,337.4	6,999.7	28.9	26.5	-23.47	-259.1	-270.0	853.6	826.8	26.77	31.879		
8,100.0	7,788.9	7,363.1	7,000.0	29.3	26.7	-23.27	-255.6	-295.4	858.5	831.4	27.10	31.679		
8,134.4	7,790.0	7,393.8	7,000.0	29.6	27.0	-23.27	-251.6	-325.9	860.1	832.7	27.47	31.306		
8,200.0	7,790.0	7,452.3	7,000.0	30.2	27.7	-23.48	-245.0	-384.0	861.5	833.2	28.30	30.446		
8,300.0	7,790.0	7,541.4	7,000.0	31.2	28.7	-23.77	-237.3	-472.8	863.4	833.7	29.64	29.125		
8,400.0	7,790.0	7,630.4	7,000.0	32.4	29.9	-24.04	-232.3	-561.7	865.2	834.1	31.11	27.809		
8,500.0	7,790.0	7,719.4	7,000.0	33.7	31.2	-24.29	-230.1	-650.6	866.8	834.1	32.68	26.526		
8,600.0	7,790.0	7,808.2	7,000.0	35.2	32.5	-24.51	-230.6	-739.4	868.3	834.0	34.33	25.295		
8,700.0	7,790.0	7,904.3	7,000.0	36.7	34.1	-24.68	-233.5	-835.5	869.4	833.3	36.10	24.084		
8,756.0	7,790.0	7,960.3	7,000.0	37.6	35.1	-24.68	-235.3	-891.5	869.4	832.3	37.09	23.443		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,800.0	7,790.0	8,004.3	7,000.0	38.3	35.8	-24.65	-236.7	-935.4	869.2	831.4	37.85	22.965		
8,900.0	7,790.0	8,104.3	7,000.0	40.0	37.6	-24.59	-240.0	-1,035.4	868.8	829.2	39.64	21.916		
9,000.0	7,790.0	8,204.3	7,000.0	41.8	39.5	-24.54	-243.2	-1,135.3	868.4	826.9	41.50	20.926		
9,100.0	7,790.0	8,304.3	7,000.0	43.6	41.5	-24.48	-246.4	-1,235.2	868.0	824.6	43.41	19.997		
9,200.0	7,790.0	8,404.3	7,000.0	45.5	43.4	-24.42	-249.6	-1,335.2	867.7	822.3	45.36	19.127		
9,300.0	7,790.0	8,504.3	7,000.0	47.5	45.5	-24.37	-252.8	-1,435.1	867.3	819.9	47.35	18.315		
9,400.0	7,790.0	8,604.3	7,000.0	49.5	47.6	-24.31	-256.0	-1,535.1	866.9	817.5	49.38	17.555		
9,500.0	7,790.0	8,704.3	7,000.0	51.5	49.7	-24.25	-259.2	-1,635.0	866.5	815.1	51.43	16.847		
9,600.0	7,790.0	8,804.3	7,000.0	53.6	51.8	-24.20	-262.4	-1,735.0	866.1	812.6	53.51	16.186		
9,700.0	7,790.0	8,904.3	7,000.0	55.7	54.0	-24.14	-265.6	-1,834.9	865.7	810.1	55.60	15.569		
9,800.0	7,790.0	9,004.2	7,000.0	57.8	56.1	-24.08	-268.9	-1,934.9	865.3	807.6	57.72	14.992		
9,900.0	7,790.0	9,104.2	7,000.0	59.9	58.3	-24.03	-272.1	-2,034.8	864.9	805.1	59.85	14.453		
10,000.0	7,790.0	9,204.2	7,000.0	62.1	60.6	-23.97	-275.3	-2,134.7	864.6	802.6	61.99	13.947		
10,100.0	7,790.0	9,304.2	7,000.0	64.3	62.8	-23.91	-278.5	-2,234.7	864.2	800.0	64.14	13.473		
10,200.0	7,790.0	9,404.2	7,000.0	66.5	65.1	-23.85	-281.7	-2,334.6	863.8	797.5	66.30	13.029		
10,300.0	7,790.0	9,504.2	7,000.0	68.7	67.3	-23.80	-284.9	-2,434.6	863.4	794.9	68.47	12.611		
10,400.0	7,790.0	9,604.2	7,000.0	71.0	69.6	-23.74	-288.1	-2,534.5	863.0	792.4	70.64	12.217		
10,500.0	7,790.0	9,704.2	7,000.0	73.2	71.9	-23.68	-291.3	-2,634.5	862.6	789.8	72.82	11.847		
10,600.0	7,790.0	9,804.2	7,000.0	75.5	74.2	-23.62	-294.5	-2,734.4	862.3	787.3	75.00	11.497		
10,700.0	7,790.0	9,904.2	7,000.0	77.7	76.5	-23.57	-297.7	-2,834.3	861.9	784.7	77.18	11.167		
10,800.0	7,790.0	10,004.2	7,000.0	80.0	78.8	-23.51	-301.0	-2,934.3	861.5	782.1	79.37	10.854		
10,900.0	7,790.0	10,104.2	7,000.0	82.3	81.2	-23.45	-304.2	-3,034.2	861.1	779.6	81.56	10.558		
11,000.0	7,790.0	10,204.2	7,000.0	84.6	83.5	-23.39	-307.4	-3,134.2	860.8	777.0	83.75	10.278		
11,100.0	7,790.0	10,304.2	7,000.0	86.9	85.8	-23.34	-310.6	-3,234.1	860.4	774.5	85.94	10.012		
11,200.0	7,790.0	10,404.2	7,000.0	89.2	88.2	-23.28	-313.8	-3,334.1	860.0	771.9	88.12	9.759		
11,300.0	7,790.0	10,504.2	7,000.0	91.6	90.5	-23.22	-317.0	-3,434.0	859.6	769.3	90.31	9.519		
11,400.0	7,790.0	10,604.2	7,000.0	93.9	92.9	-23.16	-320.2	-3,534.0	859.3	766.8	92.50	9.290		
11,500.0	7,790.0	10,704.2	7,000.0	96.2	95.3	-23.10	-323.4	-3,633.9	858.9	764.2	94.68	9.071		
11,600.0	7,790.0	10,804.2	7,000.0	98.6	97.6	-23.05	-326.6	-3,733.8	858.5	761.7	96.86	8.863		
11,700.0	7,790.0	10,904.2	7,000.0	100.9	100.0	-22.99	-329.9	-3,833.8	858.2	759.1	99.04	8.664		
11,800.0	7,790.0	11,004.2	7,000.0	103.3	102.4	-22.93	-333.1	-3,933.7	857.8	756.6	101.22	8.474		
11,900.0	7,790.0	11,104.2	7,000.0	105.6	104.7	-22.87	-336.3	-4,033.7	857.4	754.0	103.39	8.293		
12,000.0	7,790.0	11,204.2	7,000.0	108.0	107.1	-22.81	-339.5	-4,133.6	857.1	751.5	105.56	8.119		
12,100.0	7,790.0	11,304.1	7,000.0	110.3	109.5	-22.76	-342.7	-4,233.6	856.7	749.0	107.73	7.952		
12,200.0	7,790.0	11,404.1	7,000.0	112.7	111.9	-22.70	-345.9	-4,333.5	856.3	746.4	109.90	7.792		
12,300.0	7,790.0	11,504.1	7,000.0	115.1	114.3	-22.64	-349.1	-4,433.5	856.0	743.9	112.06	7.639		
12,400.0	7,790.0	11,604.1	7,000.0	117.4	116.7	-22.58	-352.3	-4,533.4	855.6	741.4	114.21	7.491		
12,500.0	7,790.0	11,704.1	7,000.0	119.8	119.0	-22.52	-355.5	-4,633.3	855.2	738.9	116.36	7.350		
12,600.0	7,790.0	11,804.1	7,000.0	122.2	121.4	-22.46	-358.8	-4,733.3	854.9	736.4	118.51	7.213		
12,700.0	7,790.0	11,904.1	7,000.0	124.6	123.8	-22.40	-362.0	-4,833.2	854.5	733.9	120.66	7.082		
12,800.0	7,790.0	12,004.1	7,000.0	127.0	126.2	-22.35	-365.2	-4,933.2	854.1	731.4	122.79	6.956		
12,900.0	7,790.0	12,104.1	7,000.0	129.3	128.6	-22.29	-368.4	-5,033.1	853.8	728.9	124.93	6.834		
13,000.0	7,790.0	12,204.1	7,000.0	131.7	131.0	-22.23	-371.6	-5,133.1	853.4	726.4	127.06	6.717		
13,100.0	7,790.0	12,304.1	7,000.0	134.1	133.4	-22.17	-374.8	-5,233.0	853.1	723.9	129.18	6.604		
13,200.0	7,790.0	12,404.1	7,000.0	136.5	135.8	-22.11	-378.0	-5,332.9	852.7	721.4	131.30	6.494		
13,300.0	7,790.0	12,504.1	7,000.0	138.9	138.2	-22.05	-381.2	-5,432.9	852.4	718.9	133.42	6.389		
13,400.0	7,790.0	12,604.1	7,000.0	141.3	140.6	-21.99	-384.4	-5,532.8	852.0	716.5	135.53	6.287		
13,500.0	7,790.0	12,704.1	7,000.0	143.7	143.1	-21.93	-387.7	-5,632.8	851.7	714.0	137.63	6.188		
13,600.0	7,790.0	12,804.1	7,000.0	146.1	145.5	-21.88	-390.9	-5,732.7	851.3	711.6	139.73	6.092		
13,700.0	7,790.0	12,904.1	7,000.0	148.5	147.9	-21.82	-394.1	-5,832.7	851.0	709.1	141.83	6.000		
13,800.0	7,790.0	13,004.1	7,000.0	150.9	150.3	-21.76	-397.3	-5,932.6	850.6	706.7	143.91	5.910		
13,900.0	7,790.0	13,104.1	7,000.0	153.3	152.7	-21.70	-400.5	-6,032.6	850.3	704.3	146.00	5.824		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,000.0	7,790.0	13,204.1	7,000.0	155.7	155.1	-21.64	-403.7	-6,132.5	849.9	701.8	148.08	5.740		
14,100.0	7,790.0	13,304.1	7,000.0	158.1	157.5	-21.58	-406.9	-6,232.4	849.6	699.4	150.15	5.658		
14,200.0	7,790.0	13,404.1	7,000.0	160.5	159.9	-21.52	-410.1	-6,332.4	849.2	697.0	152.21	5.579		
14,300.0	7,790.0	13,504.0	7,000.0	162.9	162.4	-21.46	-413.3	-6,432.3	848.9	694.6	154.28	5.502		
14,400.0	7,790.0	13,604.0	7,000.0	165.3	164.8	-21.40	-416.6	-6,532.3	848.5	692.2	156.33	5.428		
14,500.0	7,790.0	13,704.0	7,000.0	167.7	167.2	-21.34	-419.8	-6,632.2	848.2	689.8	158.38	5.355		
14,600.0	7,790.0	13,804.0	7,000.0	170.1	169.6	-21.28	-423.0	-6,732.2	847.8	687.4	160.43	5.285		
14,700.0	7,790.0	13,904.0	7,000.0	172.5	172.0	-21.22	-426.2	-6,832.1	847.5	685.0	162.46	5.216		
14,800.0	7,790.0	14,004.0	7,000.0	175.0	174.5	-21.16	-429.4	-6,932.1	847.1	682.6	164.50	5.150		
14,900.0	7,790.0	14,104.0	7,000.0	177.4	176.9	-21.10	-432.6	-7,032.0	846.8	680.3	166.52	5.085		
15,000.0	7,790.0	14,204.0	7,000.0	179.8	179.3	-21.04	-435.8	-7,131.9	846.5	677.9	168.55	5.022		
15,100.0	7,790.0	14,304.0	7,000.0	182.2	181.7	-20.98	-439.0	-7,231.9	846.1	675.6	170.56	4.961		
15,200.0	7,790.0	14,404.0	7,000.0	184.6	184.1	-20.93	-442.2	-7,331.8	845.8	673.2	172.57	4.901		
15,300.0	7,790.0	14,504.0	7,000.0	187.0	186.6	-20.87	-445.5	-7,431.8	845.4	670.9	174.58	4.843		
15,400.0	7,790.0	14,604.0	7,000.0	189.4	189.0	-20.81	-448.7	-7,531.7	845.1	668.5	176.57	4.786		
15,500.0	7,790.0	14,704.0	7,000.0	191.9	191.4	-20.75	-451.9	-7,631.7	844.8	666.2	178.56	4.731		
15,600.0	7,790.0	14,804.0	7,000.0	194.3	193.8	-20.69	-455.1	-7,731.6	844.4	663.9	180.55	4.677		
15,700.0	7,790.0	14,904.0	7,000.0	196.7	196.3	-20.63	-458.3	-7,831.5	844.1	661.6	182.53	4.624		
15,800.0	7,790.0	15,004.0	7,000.0	199.1	198.7	-20.57	-461.5	-7,931.5	843.8	659.3	184.51	4.573		
15,900.0	7,790.0	15,104.0	7,000.0	201.5	201.1	-20.51	-464.7	-8,031.4	843.4	657.0	186.47	4.523		
16,000.0	7,790.0	15,204.0	7,000.0	204.0	203.5	-20.45	-467.9	-8,131.4	843.1	654.7	188.44	4.474		
16,100.0	7,790.0	15,304.0	7,000.0	206.4	206.0	-20.38	-471.1	-8,231.3	842.8	652.4	190.39	4.427		
16,200.0	7,790.0	15,404.0	7,000.0	208.8	208.4	-20.32	-474.4	-8,331.3	842.5	650.1	192.34	4.380		
16,300.0	7,790.0	15,504.0	7,000.0	211.2	210.8	-20.26	-477.6	-8,431.2	842.1	647.8	194.29	4.334		
16,400.0	7,790.0	15,604.0	7,000.0	213.6	213.3	-20.20	-480.8	-8,531.2	841.8	645.6	196.22	4.290		
16,500.0	7,790.0	15,703.9	7,000.0	216.1	215.7	-20.14	-484.0	-8,631.1	841.5	643.3	198.16	4.247		
16,600.0	7,790.0	15,803.9	7,000.0	218.5	218.1	-20.08	-487.2	-8,731.0	841.2	641.1	200.08	4.204		
16,700.0	7,790.0	15,903.9	7,000.0	220.9	220.6	-20.02	-490.4	-8,831.0	840.8	638.8	202.00	4.162		
16,800.0	7,790.0	16,003.9	7,000.0	223.3	223.0	-19.96	-493.6	-8,930.9	840.5	636.6	203.92	4.122		
16,900.0	7,790.0	16,103.9	7,000.0	225.8	225.4	-19.90	-496.8	-9,030.9	840.2	634.4	205.82	4.082		
17,000.0	7,790.0	16,203.9	7,000.0	228.2	227.8	-19.84	-500.0	-9,130.8	839.9	632.1	207.72	4.043		
17,100.0	7,790.0	16,303.9	7,000.0	230.6	230.3	-19.78	-503.3	-9,230.8	839.5	629.9	209.62	4.005		
17,200.0	7,790.0	16,403.9	7,000.0	233.0	232.7	-19.72	-506.5	-9,330.7	839.2	627.7	211.51	3.968		
17,300.0	7,790.0	16,503.9	7,000.0	235.5	235.1	-19.66	-509.7	-9,430.7	838.9	625.5	213.39	3.931		
17,400.0	7,790.0	16,603.9	7,000.0	237.9	237.6	-19.60	-512.9	-9,530.6	838.6	623.3	215.27	3.895		
17,500.0	7,790.0	16,703.9	7,000.0	240.3	240.0	-19.54	-516.1	-9,630.5	838.3	621.1	217.14	3.860		
17,600.0	7,790.0	16,803.9	7,000.0	242.7	242.4	-19.48	-519.3	-9,730.5	838.0	618.9	219.01	3.826		
17,700.0	7,790.0	16,903.9	7,000.0	245.2	244.9	-19.42	-522.5	-9,830.4	837.6	616.8	220.87	3.792		
17,800.0	7,790.0	17,003.9	7,000.0	247.6	247.3	-19.35	-525.7	-9,930.4	837.3	614.6	222.72	3.760		
17,900.0	7,790.0	17,103.9	7,000.0	250.0	249.7	-19.29	-528.9	-10,030.3	837.0	612.4	224.57	3.727		
18,000.0	7,790.0	17,203.9	7,000.0	252.5	252.2	-19.23	-532.2	-10,130.3	836.7	610.3	226.41	3.696		
18,079.9	7,790.0	17,283.8	7,000.0	254.4	254.1	-19.18	-534.7	-10,210.1	836.5	608.6	227.87	3.671		
18,080.6	7,790.0	17,284.5	7,000.0	254.4	254.1	-19.18	-534.7	-10,210.8	836.4	608.6	227.89	3.670		

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	135.00	-30.0	30.0	42.4					
100.0	100.0	100.0	100.0	0.1	0.1	135.00	-30.0	30.0	42.4	42.2	0.26	165.544		
200.0	200.0	200.0	200.0	0.5	0.5	135.00	-30.0	30.0	42.4	41.5	0.97	43.596		
300.0	300.0	300.0	300.0	0.8	0.8	135.00	-30.0	30.0	42.4	40.7	1.69	25.104		
400.0	400.0	400.0	400.0	1.2	1.2	135.00	-30.0	30.0	42.4	40.0	2.41	17.627		
500.0	500.0	500.0	500.0	1.6	1.6	135.00	-30.0	30.0	42.4	39.3	3.12	13.582 CC, ES		
600.0	600.0	599.4	599.4	1.9	1.9	135.64	-30.8	30.2	43.1	39.3	3.82	11.287		
700.0	700.0	698.7	698.7	2.3	2.2	137.45	-33.4	30.6	45.3	40.8	4.51	10.045		
800.0	800.0	797.9	797.8	2.6	2.6	140.10	-37.6	31.4	49.1	43.9	5.21	9.418		
900.0	900.0	896.9	896.6	3.0	2.9	143.19	-43.5	32.6	54.4	48.5	5.91	9.212		
1,000.0	1,000.0	995.7	995.1	3.4	3.3	146.34	-51.1	34.0	61.5	54.9	6.61	9.307		
1,100.0	1,100.0	1,094.2	1,093.2	3.7	3.6	56.98	-60.3	35.7	69.9	62.6	7.30	9.573		
1,200.0	1,200.0	1,192.4	1,190.7	4.0	4.0	61.12	-71.1	37.8	79.3	71.3	7.98	9.931		
1,300.0	1,299.9	1,290.2	1,287.7	4.4	4.4	65.55	-83.5	40.1	89.9	81.3	8.67	10.380		
1,400.0	1,399.7	1,387.5	1,384.0	4.7	4.8	69.99	-97.4	42.8	102.1	92.8	9.35	10.927		
1,500.0	1,499.4	1,484.4	1,479.5	5.1	5.2	74.27	-112.9	45.7	116.0	106.0	10.03	11.569		
1,600.0	1,598.9	1,580.6	1,574.2	5.5	5.6	78.27	-129.8	48.9	131.8	121.1	10.72	12.299		
1,700.0	1,698.3	1,676.2	1,668.0	5.8	6.0	81.93	-148.2	52.4	149.5	138.1	11.41	13.106		
1,800.0	1,797.4	1,771.2	1,760.8	6.2	6.4	85.24	-168.0	56.2	169.2	157.1	12.11	13.976		
1,900.0	1,896.4	1,865.4	1,852.6	6.6	6.8	88.16	-189.1	60.2	191.0	178.2	12.81	14.903		
2,000.0	1,995.5	1,959.1	1,943.3	7.0	7.3	90.37	-211.5	64.4	214.7	201.1	13.52	15.872		
2,100.0	2,094.5	2,052.0	2,033.1	7.4	7.8	92.03	-235.3	68.9	240.1	225.9	14.24	16.867		
2,200.0	2,193.5	2,144.2	2,121.7	7.8	8.2	93.27	-260.2	73.7	267.2	252.3	14.95	17.877		
2,300.0	2,292.5	2,238.9	2,212.4	8.2	8.7	94.24	-286.9	78.7	295.5	279.8	15.71	18.815		
2,400.0	2,391.6	2,334.6	2,304.1	8.6	9.3	95.04	-313.9	83.8	323.9	307.4	16.49	19.645		
2,500.0	2,490.6	2,430.4	2,395.9	9.0	9.8	95.72	-341.0	89.0	352.4	335.1	17.28	20.396		
2,600.0	2,589.6	2,526.2	2,487.6	9.4	10.3	96.29	-368.0	94.1	380.9	362.8	18.07	21.079		
2,700.0	2,688.6	2,622.0	2,579.4	9.8	10.8	96.79	-395.1	99.2	409.4	390.5	18.87	21.700		
2,800.0	2,787.7	2,717.8	2,671.1	10.2	11.4	97.22	-422.1	104.4	438.0	418.3	19.67	22.269		
2,900.0	2,886.7	2,813.6	2,762.9	10.6	11.9	97.59	-449.2	109.5	466.5	446.1	20.47	22.790		
3,000.0	2,985.7	2,909.4	2,854.6	11.0	12.4	97.93	-476.2	114.6	495.1	473.8	21.28	23.270		
3,100.0	3,084.8	3,005.2	2,946.4	11.4	13.0	98.22	-503.3	119.8	523.7	501.6	22.09	23.712		
3,146.9	3,131.2	3,050.1	2,989.4	11.6	13.2	98.35	-516.0	122.2	537.1	514.7	22.47	23.908		
3,200.0	3,183.8	3,101.0	3,038.1	11.8	13.5	98.69	-530.3	124.9	552.3	529.4	22.89	24.122		
3,300.0	3,283.2	3,203.1	3,130.0	12.2	14.1	99.09	-557.4	130.0	580.5	556.8	23.71	24.480		
3,400.0	3,382.8	3,307.1	3,222.0	12.6	14.7	99.24	-584.5	135.2	608.3	583.8	24.52	24.812		
3,500.0	3,482.6	3,388.9	3,313.9	13.0	15.2	99.16	-611.6	140.3	635.8	610.6	25.21	25.224		
3,600.0	3,582.6	3,484.9	3,405.8	13.3	15.7	98.89	-638.7	145.5	662.9	637.0	25.93	25.563		
3,680.2	3,662.8	3,561.7	3,479.5	13.6	16.1	-168.59	-660.5	149.6	684.5	658.0	26.50	25.831		
3,700.0	3,682.6	3,580.7	3,497.6	13.7	16.3	-168.77	-665.8	150.6	689.8	663.2	26.64	25.897		
3,800.0	3,782.6	3,676.5	3,589.4	14.0	16.8	-169.62	-692.9	155.7	716.7	689.3	27.33	26.222		
3,900.0	3,882.6	3,772.3	3,681.1	14.3	17.4	-170.42	-719.9	160.8	743.7	715.7	28.03	26.535		
4,000.0	3,982.6	3,868.0	3,772.8	14.6	17.9	-171.15	-746.9	166.0	770.8	742.1	28.73	26.835		
4,100.0	4,082.6	3,963.8	3,864.6	15.0	18.5	-171.84	-774.0	171.1	798.1	768.7	29.43	27.123		
4,200.0	4,182.6	4,059.6	3,956.3	15.3	19.0	-172.49	-801.0	176.2	825.5	795.3	30.13	27.399		
4,300.0	4,282.6	4,155.4	4,048.1	15.7	19.6	-173.09	-828.1	181.4	852.9	822.1	30.83	27.665		
4,400.0	4,382.6	4,251.2	4,139.8	16.0	20.1	-173.65	-855.1	186.5	880.5	848.9	31.54	27.920		
4,500.0	4,482.6	4,346.9	4,231.5	16.3	20.7	-174.19	-882.2	191.6	908.1	875.8	32.24	28.164		
4,600.0	4,582.6	4,442.7	4,323.3	16.7	21.2	-174.69	-909.2	196.8	935.7	902.8	32.95	28.400		
4,700.0	4,682.6	4,538.5	4,415.0	17.0	21.8	-175.16	-936.3	201.9	963.5	929.8	33.66	28.626		
4,800.0	4,782.6	4,634.3	4,506.7	17.3	22.3	-175.60	-963.3	207.0	991.3	956.9	34.37	28.843		
4,900.0	4,882.6	4,730.1	4,598.5	17.7	22.9	-176.02	-990.4	212.1	1,019.1	984.0	35.08	29.052		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.0	4,982.6	4,825.8	4,690.2	18.0	23.5	-176.42	-1,017.4	217.3	1,047.0	1,011.2	35.79	29.253		
5,100.0	5,082.6	4,921.6	4,782.0	18.4	24.0	-176.80	-1,044.5	222.4	1,075.0	1,038.5	36.51	29.447		
5,200.0	5,182.6	5,017.4	4,873.7	18.7	24.6	-177.16	-1,071.5	227.5	1,103.0	1,065.7	37.22	29.634		
5,300.0	5,282.6	5,113.2	4,965.4	19.1	25.1	-177.50	-1,098.6	232.7	1,131.0	1,093.0	37.94	29.813		
5,400.0	5,382.6	5,209.0	5,057.2	19.4	25.7	-177.82	-1,125.6	237.8	1,159.0	1,120.4	38.65	29.986		
5,500.0	5,482.6	5,304.7	5,148.9	19.8	26.2	-178.13	-1,152.7	242.9	1,187.1	1,147.8	39.37	30.154		
5,600.0	5,582.6	5,400.5	5,240.7	20.1	26.8	-178.43	-1,179.7	248.1	1,215.2	1,175.2	40.09	30.315		
5,700.0	5,682.6	5,497.9	5,333.9	20.4	27.4	-178.72	-1,207.2	253.3	1,243.4	1,202.6	40.82	30.459		
5,800.0	5,782.6	5,640.1	5,470.9	20.8	28.2	-179.08	-1,244.7	260.4	1,269.7	1,227.7	41.95	30.268		
5,900.0	5,882.6	5,785.1	5,611.9	21.1	28.9	-179.39	-1,277.7	266.6	1,292.4	1,249.4	43.03	30.037		
6,000.0	5,982.6	5,932.5	5,756.5	21.5	29.6	-179.64	-1,305.9	272.0	1,311.5	1,267.5	44.05	29.774		
6,100.0	6,082.6	6,082.0	5,904.2	21.8	30.3	-179.84	-1,328.8	276.3	1,326.9	1,281.9	45.01	29.481		
6,200.0	6,182.6	6,233.1	6,054.2	22.2	30.9	-179.98	-1,346.2	279.6	1,338.4	1,292.5	45.89	29.163		
6,300.0	6,282.6	6,385.4	6,206.0	22.5	31.4	179.92	-1,357.9	281.8	1,346.0	1,299.3	46.70	28.822		
6,400.0	6,382.6	6,538.4	6,358.9	22.9	31.8	179.88	-1,363.6	282.9	1,349.8	1,302.3	47.42	28.463		
6,500.0	6,482.6	6,645.4	6,465.9	23.2	32.1	179.93	-1,364.4	281.7	1,350.5	1,302.4	48.08	28.091		
6,600.0	6,582.6	6,714.3	6,534.1	23.6	32.3	-179.71	-1,366.0	273.1	1,352.9	1,304.2	48.73	27.765		
6,700.0	6,682.6	6,780.1	6,598.0	23.9	32.4	-179.04	-1,368.9	257.4	1,357.8	1,308.4	49.35	27.513		
6,800.0	6,782.6	6,841.6	6,655.6	24.3	32.6	-178.16	-1,372.9	236.3	1,365.5	1,315.6	49.93	27.348		
6,900.0	6,882.6	6,900.0	6,707.9	24.6	32.7	-177.09	-1,377.6	210.7	1,376.5	1,326.1	50.45	27.282		
7,000.0	6,982.6	6,950.0	6,750.3	25.0	32.8	-176.02	-1,382.5	184.8	1,391.3	1,340.4	50.88	27.345		
7,100.0	7,082.6	7,000.0	6,790.3	25.3	32.9	-174.81	-1,387.9	155.3	1,410.2	1,359.0	51.22	27.530		
7,200.0	7,182.6	7,034.0	6,816.0	25.7	33.0	-173.92	-1,392.0	133.3	1,433.5	1,382.1	51.37	27.905		
7,234.4	7,217.0	7,050.0	6,827.5	25.8	33.0	-173.49	-1,394.0	122.5	1,442.6	1,391.1	51.43	28.050		
7,250.0	7,232.6	7,050.0	6,827.5	25.8	33.0	-93.09	-1,394.0	122.5	1,446.9	1,395.5	51.39	28.154		
7,300.0	7,282.4	7,070.8	6,842.1	26.0	33.0	-91.02	-1,396.8	108.0	1,461.5	1,410.1	51.41	28.430		
7,350.0	7,331.8	7,100.0	6,861.7	26.2	33.1	-88.68	-1,400.7	86.7	1,477.4	1,425.9	51.46	28.707		
7,400.0	7,380.3	7,100.0	6,861.7	26.3	33.1	-86.91	-1,400.7	86.7	1,494.1	1,442.9	51.23	29.163		
7,450.0	7,427.5	7,127.2	6,878.9	26.4	33.1	-84.53	-1,404.6	66.0	1,511.5	1,460.3	51.23	29.504		
7,500.0	7,473.2	7,150.0	6,892.6	26.6	33.2	-82.25	-1,407.9	48.0	1,529.5	1,478.3	51.18	29.887		
7,550.0	7,516.9	7,165.5	6,901.4	26.7	33.2	-80.10	-1,410.2	35.6	1,547.8	1,496.7	51.05	30.317		
7,600.0	7,558.3	7,184.7	6,912.0	26.8	33.3	-77.94	-1,413.2	19.7	1,566.3	1,515.3	50.98	30.724		
7,650.0	7,597.1	7,200.0	6,919.9	27.0	33.3	-75.87	-1,415.6	6.9	1,584.7	1,533.8	50.88	31.144		
7,700.0	7,633.0	7,223.4	6,931.4	27.1	33.3	-73.83	-1,419.3	-13.1	1,603.0	1,552.1	50.91	31.489		
7,750.0	7,665.8	7,250.0	6,943.5	27.3	33.4	-71.90	-1,423.7	-36.4	1,620.9	1,569.9	51.01	31.777		
7,800.0	7,695.1	7,250.0	6,943.5	27.5	33.4	-70.13	-1,423.7	-36.4	1,638.5	1,587.6	50.90	32.189		
7,850.0	7,720.8	7,281.3	6,956.3	27.7	33.5	-68.47	-1,428.9	-64.5	1,655.2	1,604.0	51.18	32.340		
7,900.0	7,742.7	7,300.0	6,963.2	27.9	33.5	-66.95	-1,432.1	-81.6	1,671.3	1,620.0	51.39	32.522		
7,950.0	7,760.5	7,319.8	6,969.8	28.2	33.5	-65.57	-1,435.5	-99.9	1,686.7	1,635.0	51.70	32.622		
8,000.0	7,774.3	7,350.0	6,978.7	28.5	33.6	-64.40	-1,440.8	-128.3	1,701.2	1,649.0	52.19	32.597		
8,050.0	7,783.7	7,350.0	6,978.7	28.9	33.6	-63.16	-1,440.8	-128.3	1,714.6	1,662.1	52.47	32.678		
8,100.0	7,788.9	7,377.0	6,985.4	29.3	33.7	-62.28	-1,445.6	-154.0	1,726.9	1,673.8	53.09	32.529		
8,134.4	7,790.0	7,400.0	6,990.1	29.6	33.8	-61.82	-1,449.7	-176.2	1,734.8	1,681.3	53.59	32.372		
8,200.0	7,790.0	7,415.1	6,992.7	30.2	33.8	-62.12	-1,452.4	-190.8	1,749.4	1,695.0	54.36	32.183		
8,300.0	7,790.0	7,450.0	6,997.2	31.2	33.9	-62.64	-1,458.7	-224.8	1,771.9	1,716.2	55.74	31.788		
8,400.0	7,790.0	7,500.0	6,999.9	32.4	34.1	-63.14	-1,467.9	-273.9	1,794.7	1,737.3	57.38	31.277		
8,500.0	7,790.0	7,666.2	7,000.0	33.7	34.9	-63.85	-1,493.9	-438.0	1,815.0	1,754.7	60.31	30.092		
8,600.0	7,790.0	7,898.5	7,000.0	35.2	36.8	-64.32	-1,514.3	-669.3	1,825.6	1,761.3	64.33	28.380		
8,700.0	7,790.0	8,007.7	7,000.0	36.7	38.0	-64.41	-1,518.9	-778.5	1,829.0	1,761.7	67.25	27.197		
8,756.0	7,790.0	8,063.8	7,000.0	37.6	38.7	-64.42	-1,521.2	-834.5	1,829.5	1,760.6	68.90	26.553		
8,800.0	7,790.0	8,107.7	7,000.0	38.3	39.3	-64.42	-1,523.0	-878.4	1,829.5	1,759.3	70.21	26.055		
8,900.0	7,790.0	8,207.7	7,000.0	40.0	40.7	-64.42	-1,527.2	-978.3	1,829.5	1,756.1	73.33	24.949		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,000.0	7,790.0	8,307.7	7,000.0	41.8	42.2	-64.42	-1,531.4	-1,078.2	1,829.5	1,752.9	76.58	23.890		
9,100.0	7,790.0	8,407.7	7,000.0	43.6	43.9	-64.42	-1,535.5	-1,178.1	1,829.5	1,749.5	79.94	22.885		
9,200.0	7,790.0	8,507.7	7,000.0	45.5	45.7	-64.42	-1,539.7	-1,278.1	1,829.5	1,746.1	83.41	21.935		
9,300.0	7,790.0	8,607.7	7,000.0	47.5	47.5	-64.42	-1,543.8	-1,378.0	1,829.5	1,742.5	86.96	21.038		
9,400.0	7,790.0	8,707.7	7,000.0	49.5	49.4	-64.42	-1,548.0	-1,477.9	1,829.5	1,738.9	90.60	20.193		
9,500.0	7,790.0	8,807.7	7,000.0	51.5	51.3	-64.42	-1,552.2	-1,577.8	1,829.5	1,735.2	94.31	19.399		
9,600.0	7,790.0	8,907.7	7,000.0	53.6	53.3	-64.42	-1,556.3	-1,677.7	1,829.5	1,731.4	98.08	18.653		
9,700.0	7,790.0	9,007.7	7,000.0	55.7	55.3	-64.42	-1,560.5	-1,777.6	1,829.5	1,727.6	101.90	17.953		
9,800.0	7,790.0	9,107.7	7,000.0	57.8	57.4	-64.42	-1,564.6	-1,877.5	1,829.5	1,723.7	105.78	17.296		
9,900.0	7,790.0	9,207.7	7,000.0	59.9	59.5	-64.42	-1,568.8	-1,977.4	1,829.5	1,719.8	109.70	16.678		
10,000.0	7,790.0	9,307.7	7,000.0	62.1	61.6	-64.42	-1,573.0	-2,077.4	1,829.5	1,715.9	113.65	16.097		
10,100.0	7,790.0	9,407.7	7,000.0	64.3	63.8	-64.42	-1,577.1	-2,177.3	1,829.5	1,711.9	117.65	15.551		
10,200.0	7,790.0	9,507.7	7,000.0	66.5	65.9	-64.42	-1,581.3	-2,277.2	1,829.5	1,707.9	121.67	15.036		
10,300.0	7,790.0	9,607.7	7,000.0	68.7	68.1	-64.42	-1,585.5	-2,377.1	1,829.5	1,703.8	125.73	14.552		
10,400.0	7,790.0	9,707.7	7,000.0	71.0	70.3	-64.42	-1,589.6	-2,477.0	1,829.5	1,699.7	129.81	14.094		
10,500.0	7,790.0	9,807.7	7,000.0	73.2	72.6	-64.42	-1,593.8	-2,576.9	1,829.5	1,695.6	133.91	13.662		
10,600.0	7,790.0	9,907.7	7,000.0	75.5	74.8	-64.42	-1,597.9	-2,676.8	1,829.6	1,691.5	138.04	13.254		
10,700.0	7,790.0	10,007.7	7,000.0	77.7	77.0	-64.42	-1,602.1	-2,776.8	1,829.6	1,687.4	142.19	12.867		
10,800.0	7,790.0	10,107.7	7,000.0	80.0	79.3	-64.42	-1,606.3	-2,876.7	1,829.6	1,683.2	146.35	12.501		
10,900.0	7,790.0	10,207.7	7,000.0	82.3	81.6	-64.42	-1,610.4	-2,976.6	1,829.6	1,679.0	150.54	12.154		
11,000.0	7,790.0	10,307.7	7,000.0	84.6	83.9	-64.42	-1,614.6	-3,076.5	1,829.6	1,674.8	154.73	11.824		
11,100.0	7,790.0	10,407.7	7,000.0	86.9	86.1	-64.42	-1,618.7	-3,176.4	1,829.6	1,670.6	158.94	11.511		
11,200.0	7,790.0	10,507.7	7,000.0	89.2	88.4	-64.42	-1,622.9	-3,276.3	1,829.6	1,666.4	163.17	11.213		
11,300.0	7,790.0	10,607.7	7,000.0	91.6	90.8	-64.42	-1,627.1	-3,376.2	1,829.6	1,662.2	167.40	10.929		
11,400.0	7,790.0	10,707.7	7,000.0	93.9	93.1	-64.42	-1,631.2	-3,476.1	1,829.6	1,657.9	171.65	10.659		
11,500.0	7,790.0	10,807.7	7,000.0	96.2	95.4	-64.42	-1,635.4	-3,576.1	1,829.6	1,653.7	175.91	10.401		
11,600.0	7,790.0	10,907.7	7,000.0	98.6	97.7	-64.42	-1,639.5	-3,676.0	1,829.6	1,649.4	180.18	10.155		
11,700.0	7,790.0	11,007.7	7,000.0	100.9	100.0	-64.42	-1,643.7	-3,775.9	1,829.6	1,645.2	184.45	9.919		
11,800.0	7,790.0	11,107.7	7,000.0	103.3	102.4	-64.42	-1,647.9	-3,875.8	1,829.6	1,640.9	188.74	9.694		
11,900.0	7,790.0	11,207.7	7,000.0	105.6	104.7	-64.42	-1,652.0	-3,975.7	1,829.6	1,636.6	193.03	9.478		
12,000.0	7,790.0	11,307.7	7,000.0	108.0	107.1	-64.42	-1,656.2	-4,075.6	1,829.6	1,632.3	197.33	9.272		
12,100.0	7,790.0	11,407.7	7,000.0	110.3	109.4	-64.42	-1,660.3	-4,175.5	1,829.6	1,628.0	201.63	9.074		
12,200.0	7,790.0	11,507.7	7,000.0	112.7	111.8	-64.42	-1,664.5	-4,275.5	1,829.6	1,623.7	205.95	8.884		
12,300.0	7,790.0	11,607.7	7,000.0	115.1	114.1	-64.42	-1,668.7	-4,375.4	1,829.6	1,619.4	210.27	8.702		
12,400.0	7,790.0	11,707.7	7,000.0	117.4	116.5	-64.42	-1,672.8	-4,475.3	1,829.6	1,615.0	214.59	8.526		
12,500.0	7,790.0	11,807.7	7,000.0	119.8	118.9	-64.42	-1,677.0	-4,575.2	1,829.6	1,610.7	218.92	8.358		
12,600.0	7,790.0	11,907.7	7,000.0	122.2	121.2	-64.42	-1,681.2	-4,675.1	1,829.6	1,606.4	223.26	8.195		
12,700.0	7,790.0	12,007.7	7,000.0	124.6	123.6	-64.42	-1,685.3	-4,775.0	1,829.7	1,602.1	227.59	8.039		
12,800.0	7,790.0	12,107.7	7,000.0	127.0	126.0	-64.42	-1,689.5	-4,874.9	1,829.7	1,597.7	231.94	7.889		
12,900.0	7,790.0	12,207.7	7,000.0	129.3	128.4	-64.42	-1,693.6	-4,974.8	1,829.7	1,593.4	236.29	7.743		
13,000.0	7,790.0	12,307.7	7,000.0	131.7	130.7	-64.42	-1,697.8	-5,074.8	1,829.7	1,589.0	240.64	7.603		
13,100.0	7,790.0	12,407.7	7,000.0	134.1	133.1	-64.42	-1,702.0	-5,174.7	1,829.7	1,584.7	244.99	7.468		
13,200.0	7,790.0	12,507.7	7,000.0	136.5	135.5	-64.42	-1,706.1	-5,274.6	1,829.7	1,580.3	249.35	7.338		
13,300.0	7,790.0	12,607.7	7,000.0	138.9	137.9	-64.42	-1,710.3	-5,374.5	1,829.7	1,576.0	253.72	7.212		
13,400.0	7,790.0	12,707.7	7,000.0	141.3	140.3	-64.42	-1,714.4	-5,474.4	1,829.7	1,571.6	258.08	7.090		
13,500.0	7,790.0	12,807.7	7,000.0	143.7	142.7	-64.42	-1,718.6	-5,574.3	1,829.7	1,567.2	262.45	6.972		
13,600.0	7,790.0	12,907.7	7,000.0	146.1	145.1	-64.42	-1,722.8	-5,674.2	1,829.7	1,562.9	266.82	6.857		
13,700.0	7,790.0	13,007.7	7,000.0	148.5	147.5	-64.42	-1,726.9	-5,774.2	1,829.7	1,558.5	271.20	6.747		
13,800.0	7,790.0	13,107.7	7,000.0	150.9	149.8	-64.42	-1,731.1	-5,874.1	1,829.7	1,554.1	275.57	6.640		
13,900.0	7,790.0	13,207.7	7,000.0	153.3	152.2	-64.42	-1,735.2	-5,974.0	1,829.7	1,549.8	279.95	6.536		
14,000.0	7,790.0	13,307.7	7,000.0	155.7	154.6	-64.42	-1,739.4	-6,073.9	1,829.7	1,545.4	284.34	6.435		
14,100.0	7,790.0	13,407.7	7,000.0	158.1	157.0	-64.42	-1,743.6	-6,173.8	1,829.7	1,541.0	288.72	6.337		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,200.0	7,790.0	13,507.7	7,000.0	160.5	159.4	-64.42	-1,747.7	-6,273.7	1,829.7	1,536.6	293.11	6.243		
14,300.0	7,790.0	13,607.7	7,000.0	162.9	161.8	-64.42	-1,751.9	-6,373.6	1,829.7	1,532.2	297.50	6.150		
14,400.0	7,790.0	13,707.7	7,000.0	165.3	164.2	-64.42	-1,756.0	-6,473.5	1,829.7	1,527.8	301.89	6.061		
14,500.0	7,790.0	13,807.7	7,000.0	167.7	166.7	-64.42	-1,760.2	-6,573.5	1,829.7	1,523.5	306.28	5.974		
14,600.0	7,790.0	13,907.7	7,000.0	170.1	169.1	-64.42	-1,764.4	-6,673.4	1,829.7	1,519.1	310.67	5.890		
14,700.0	7,790.0	14,007.7	7,000.0	172.5	171.5	-64.42	-1,768.5	-6,773.3	1,829.7	1,514.7	315.07	5.807		
14,800.0	7,790.0	14,107.7	7,000.0	175.0	173.9	-64.42	-1,772.7	-6,873.2	1,829.8	1,510.3	319.47	5.728		
14,900.0	7,790.0	14,207.7	7,000.0	177.4	176.3	-64.42	-1,776.9	-6,973.1	1,829.8	1,505.9	323.87	5.650		
15,000.0	7,790.0	14,307.7	7,000.0	179.8	178.7	-64.42	-1,781.0	-7,073.0	1,829.8	1,501.5	328.27	5.574		
15,100.0	7,790.0	14,407.7	7,000.0	182.2	181.1	-64.42	-1,785.2	-7,172.9	1,829.8	1,497.1	332.67	5.500		
15,200.0	7,790.0	14,507.7	7,000.0	184.6	183.5	-64.42	-1,789.3	-7,272.9	1,829.8	1,492.7	337.07	5.428		
15,300.0	7,790.0	14,607.7	7,000.0	187.0	185.9	-64.42	-1,793.5	-7,372.8	1,829.8	1,488.3	341.48	5.358		
15,400.0	7,790.0	14,707.7	7,000.0	189.4	188.3	-64.42	-1,797.7	-7,472.7	1,829.8	1,483.9	345.89	5.290		
15,500.0	7,790.0	14,807.7	7,000.0	191.9	190.8	-64.42	-1,801.8	-7,572.6	1,829.8	1,479.5	350.29	5.224		
15,600.0	7,790.0	14,907.7	7,000.0	194.3	193.2	-64.42	-1,806.0	-7,672.5	1,829.8	1,475.1	354.70	5.159		
15,700.0	7,790.0	15,007.7	7,000.0	196.7	195.6	-64.42	-1,810.1	-7,772.4	1,829.8	1,470.7	359.11	5.095		
15,800.0	7,790.0	15,107.7	7,000.0	199.1	198.0	-64.42	-1,814.3	-7,872.3	1,829.8	1,466.3	363.52	5.034		
15,900.0	7,790.0	15,207.7	7,000.0	201.5	200.4	-64.42	-1,818.5	-7,972.2	1,829.8	1,461.9	367.94	4.973		
16,000.0	7,790.0	15,307.7	7,000.0	204.0	202.8	-64.42	-1,822.6	-8,072.2	1,829.8	1,457.5	372.35	4.914		
16,100.0	7,790.0	15,407.7	7,000.0	206.4	205.3	-64.42	-1,826.8	-8,172.1	1,829.8	1,453.1	376.76	4.857		
16,200.0	7,790.0	15,507.7	7,000.0	208.8	207.7	-64.42	-1,830.9	-8,272.0	1,829.8	1,448.6	381.18	4.800		
16,300.0	7,790.0	15,607.7	7,000.0	211.2	210.1	-64.42	-1,835.1	-8,371.9	1,829.8	1,444.2	385.60	4.745		
16,400.0	7,790.0	15,707.7	7,000.0	213.6	212.5	-64.42	-1,839.3	-8,471.8	1,829.8	1,439.8	390.01	4.692		
16,500.0	7,790.0	15,807.7	7,000.0	216.1	214.9	-64.42	-1,843.4	-8,571.7	1,829.8	1,435.4	394.43	4.639		
16,600.0	7,790.0	15,907.7	7,000.0	218.5	217.4	-64.42	-1,847.6	-8,671.6	1,829.8	1,431.0	398.85	4.588		
16,700.0	7,790.0	16,007.7	7,000.0	220.9	219.8	-64.42	-1,851.8	-8,771.6	1,829.8	1,426.6	403.27	4.538		
16,800.0	7,790.0	16,107.7	7,000.0	223.3	222.2	-64.42	-1,855.9	-8,871.5	1,829.9	1,422.2	407.69	4.488		
16,900.0	7,790.0	16,207.7	7,000.0	225.8	224.6	-64.42	-1,860.1	-8,971.4	1,829.9	1,417.7	412.11	4.440		
17,000.0	7,790.0	16,307.7	7,000.0	228.2	227.0	-64.42	-1,864.2	-9,071.3	1,829.9	1,413.3	416.53	4.393		
17,100.0	7,790.0	16,407.7	7,000.0	230.6	229.5	-64.42	-1,868.4	-9,171.2	1,829.9	1,408.9	420.96	4.347		
17,200.0	7,790.0	16,507.7	7,000.0	233.0	231.9	-64.42	-1,872.6	-9,271.1	1,829.9	1,404.5	425.38	4.302		
17,300.0	7,790.0	16,607.7	7,000.0	235.5	234.3	-64.42	-1,876.7	-9,371.0	1,829.9	1,400.1	429.81	4.257		
17,400.0	7,790.0	16,707.7	7,000.0	237.9	236.7	-64.42	-1,880.9	-9,470.9	1,829.9	1,395.7	434.23	4.214		
17,500.0	7,790.0	16,807.7	7,000.0	240.3	239.2	-64.42	-1,885.0	-9,570.9	1,829.9	1,391.2	438.66	4.172		
17,600.0	7,790.0	16,907.7	7,000.0	242.7	241.6	-64.42	-1,889.2	-9,670.8	1,829.9	1,386.8	443.08	4.130		
17,700.0	7,790.0	17,007.7	7,000.0	245.2	244.0	-64.42	-1,893.4	-9,770.7	1,829.9	1,382.4	447.51	4.089		
17,800.0	7,790.0	17,107.7	7,000.0	247.6	246.4	-64.42	-1,897.5	-9,870.6	1,829.9	1,378.0	451.94	4.049		
17,900.0	7,790.0	17,207.7	7,000.0	250.0	248.9	-64.42	-1,901.7	-9,970.5	1,829.9	1,373.5	456.36	4.010		
18,000.0	7,790.0	17,307.7	7,000.0	252.5	251.3	-64.42	-1,905.8	-10,070.4	1,829.9	1,369.1	460.79	3.971		
18,079.9	7,790.0	17,387.7	7,000.0	254.4	253.2	-64.42	-1,909.2	-10,150.3	1,829.9	1,365.6	464.33	3.941		
18,080.6	7,790.0	17,388.3	7,000.0	254.4	253.2	-64.42	-1,909.2	-10,151.0	1,829.9	1,365.6	464.36	3.941 SF		

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-30.0	0.0	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-30.0	0.0	30.0	29.7	0.26	117.057		
200.0	200.0	200.0	200.0	0.5	0.5	180.00	-30.0	0.0	30.0	29.0	0.97	30.827		
300.0	300.0	300.0	300.0	0.8	0.8	180.00	-30.0	0.0	30.0	28.3	1.69	17.751		
400.0	400.0	400.0	400.0	1.2	1.2	180.00	-30.0	0.0	30.0	27.6	2.41	12.464		
500.0	500.0	500.0	500.0	1.6	1.6	180.00	-30.0	0.0	30.0	26.9	3.12	9.604 CC, ES		
600.0	600.0	599.5	599.5	1.9	1.9	179.56	-30.8	0.2	30.8	27.0	3.82	8.065		
700.0	700.0	698.9	698.9	2.3	2.2	178.39	-33.3	0.9	33.4	28.8	4.52	7.387		
800.0	800.0	798.2	798.1	2.6	2.6	176.78	-37.5	2.1	37.6	32.4	5.21	7.208		
900.0	900.0	897.4	897.0	3.0	2.9	175.06	-43.3	3.7	43.5	37.6	5.91	7.360		
1,000.0	1,000.0	996.2	995.6	3.4	3.3	173.44	-50.7	5.8	51.2	44.6	6.61	7.741		
1,100.0	1,100.0	1,094.9	1,093.8	3.7	3.6	79.87	-59.7	8.4	60.4	53.1	7.30	8.276		
1,200.0	1,200.0	1,193.2	1,191.5	4.0	4.0	80.50	-70.3	11.4	71.1	63.1	7.99	8.901		
1,300.0	1,299.9	1,291.1	1,288.6	4.4	4.4	81.90	-82.5	14.8	83.2	74.5	8.67	9.590		
1,400.0	1,399.7	1,388.7	1,385.1	4.7	4.8	83.72	-96.2	18.7	96.7	87.4	9.36	10.335		
1,500.0	1,499.4	1,485.7	1,480.9	5.1	5.2	85.71	-111.4	22.9	111.9	101.8	10.05	11.131		
1,600.0	1,598.9	1,583.9	1,577.5	5.5	5.6	87.83	-127.9	27.6	128.2	117.4	10.77	11.904		
1,700.0	1,698.3	1,682.3	1,674.4	5.8	6.0	90.14	-144.5	32.3	144.7	133.2	11.50	12.577		
1,800.0	1,797.4	1,780.7	1,771.3	6.2	6.4	92.56	-161.0	36.9	161.5	149.2	12.25	13.177		
1,900.0	1,896.4	1,878.9	1,868.0	6.6	6.8	94.94	-177.5	41.6	178.6	165.6	13.01	13.722		
2,000.0	1,995.5	1,977.2	1,964.8	7.0	7.3	96.90	-194.1	46.2	195.9	182.1	13.78	14.216		
2,100.0	2,094.5	2,075.5	2,061.6	7.4	7.7	98.54	-210.6	50.9	213.5	198.9	14.56	14.665		
2,200.0	2,193.5	2,173.8	2,158.3	7.8	8.1	99.94	-227.1	55.6	231.2	215.8	15.34	15.073		
2,300.0	2,292.5	2,272.1	2,255.1	8.2	8.6	101.13	-243.7	60.2	249.0	232.9	16.12	15.444		
2,400.0	2,391.6	2,370.3	2,351.9	8.6	9.0	102.17	-260.2	64.9	266.9	250.0	16.91	15.783		
2,500.0	2,490.6	2,468.6	2,448.6	9.0	9.4	103.07	-276.8	69.6	284.8	267.1	17.70	16.093		
2,600.0	2,589.6	2,566.9	2,545.4	9.4	9.9	103.87	-293.3	74.2	302.9	284.4	18.49	16.377		
2,700.0	2,688.6	2,665.2	2,642.2	9.8	10.3	104.58	-309.8	78.9	321.0	301.7	19.29	16.638		
2,800.0	2,787.7	2,763.4	2,738.9	10.2	10.8	105.21	-326.4	83.5	339.1	319.0	20.09	16.879		
2,900.0	2,886.7	2,861.7	2,835.7	10.6	11.2	105.78	-342.9	88.2	357.3	336.4	20.89	17.102		
3,000.0	2,985.7	2,960.0	2,932.4	11.0	11.6	106.29	-359.4	92.9	375.4	353.8	21.69	17.309		
3,100.0	3,084.8	3,058.3	3,029.2	11.4	12.1	106.76	-376.0	97.5	393.7	371.2	22.49	17.501		
3,146.9	3,131.2	3,104.3	3,074.6	11.6	12.3	106.96	-383.7	99.7	402.2	379.3	22.87	17.586		
3,200.0	3,183.8	3,156.6	3,126.0	11.8	12.5	107.27	-392.5	102.2	411.8	388.5	23.30	17.677		
3,300.0	3,283.2	3,255.0	3,223.0	12.2	13.0	107.57	-409.1	106.8	429.3	405.2	24.08	17.825		
3,400.0	3,382.8	3,353.6	3,320.0	12.6	13.4	107.53	-425.7	111.5	445.9	421.1	24.85	17.946		
3,500.0	3,482.6	3,452.2	3,417.1	13.0	13.9	107.18	-442.2	116.2	461.9	436.3	25.60	18.044		
3,600.0	3,582.6	3,550.8	3,514.2	13.3	14.3	106.56	-458.8	120.9	477.1	450.8	26.33	18.125		
3,680.2	3,662.8	3,629.8	3,592.0	13.6	14.7	-161.26	-472.1	124.6	488.9	462.0	26.89	18.182		
3,700.0	3,682.6	3,649.3	3,611.2	13.7	14.8	-161.49	-475.4	125.5	491.8	464.8	27.03	18.196		
3,800.0	3,782.6	3,747.8	3,708.1	14.0	15.2	-162.60	-492.0	130.2	506.4	478.7	27.72	18.267		
3,900.0	3,882.6	3,846.2	3,805.0	14.3	15.7	-163.64	-508.5	134.9	521.2	492.8	28.42	18.341		
4,000.0	3,982.6	3,944.7	3,902.0	14.6	16.1	-164.63	-525.1	139.6	536.2	507.0	29.11	18.416		
4,100.0	4,082.6	4,043.2	3,998.9	15.0	16.5	-165.57	-541.7	144.2	551.3	521.4	29.81	18.493		
4,200.0	4,182.6	4,141.6	4,095.9	15.3	17.0	-166.45	-558.2	148.9	566.5	536.0	30.51	18.570		
4,300.0	4,282.6	4,240.1	4,192.8	15.7	17.4	-167.29	-574.8	153.6	581.9	550.7	31.20	18.648		
4,400.0	4,382.6	4,338.5	4,289.8	16.0	17.9	-168.09	-591.4	158.2	597.3	565.4	31.90	18.725		
4,500.0	4,482.6	4,437.0	4,386.7	16.3	18.3	-168.84	-607.9	162.9	612.9	580.3	32.60	18.802		
4,600.0	4,582.6	4,535.5	4,483.7	16.7	18.8	-169.56	-624.5	167.6	628.6	595.3	33.30	18.878		
4,700.0	4,682.6	4,633.9	4,580.6	17.0	19.2	-170.25	-641.1	172.2	644.4	610.4	34.00	18.954		
4,800.0	4,782.6	4,732.4	4,677.5	17.3	19.7	-170.90	-657.6	176.9	660.3	625.6	34.70	19.028		
4,900.0	4,882.6	4,830.8	4,774.5	17.7	20.1	-171.52	-674.2	181.6	676.2	640.8	35.40	19.102		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.0	4,982.6	4,929.3	4,871.4	18.0	20.6	-172.11	-690.8	186.3	692.2	656.1	36.10	19.174		
5,100.0	5,082.6	5,027.8	4,968.4	18.4	21.0	-172.68	-707.3	190.9	708.3	671.5	36.81	19.245		
5,200.0	5,182.6	5,126.2	5,065.3	18.7	21.5	-173.22	-723.9	195.6	724.5	687.0	37.51	19.314		
5,300.0	5,282.6	5,224.7	5,162.3	19.1	21.9	-173.73	-740.5	200.3	740.7	702.5	38.21	19.383		
5,400.0	5,382.6	5,323.1	5,259.2	19.4	22.4	-174.23	-757.0	204.9	756.9	718.0	38.92	19.450		
5,500.0	5,482.6	5,421.6	5,356.2	19.8	22.8	-174.70	-773.6	209.6	773.3	733.6	39.62	19.515		
5,600.0	5,582.6	5,520.1	5,453.1	20.1	23.3	-175.16	-790.2	214.3	789.6	749.3	40.33	19.579		
5,700.0	5,682.6	5,618.5	5,550.0	20.4	23.7	-175.59	-806.7	218.9	806.1	765.0	41.04	19.642		
5,800.0	5,782.6	5,717.0	5,647.0	20.8	24.2	-176.01	-823.3	223.6	822.5	780.8	41.74	19.704		
5,900.0	5,882.6	5,815.4	5,743.9	21.1	24.6	-176.41	-839.9	228.3	839.0	796.6	42.45	19.764		
6,000.0	5,982.6	5,913.9	5,840.9	21.5	25.1	-176.80	-856.4	232.9	855.6	812.4	43.16	19.822		
6,100.0	6,082.6	6,012.4	5,937.8	21.8	25.5	-177.17	-873.0	237.6	872.1	828.3	43.87	19.880		
6,200.0	6,182.6	6,110.8	6,034.8	22.2	26.0	-177.53	-889.6	242.3	888.8	844.2	44.58	19.936		
6,300.0	6,282.6	6,209.3	6,131.7	22.5	26.4	-177.88	-906.1	247.0	905.4	860.1	45.29	19.991		
6,400.0	6,382.6	6,307.7	6,228.6	22.9	26.9	-178.21	-922.7	251.6	922.1	876.1	46.00	20.044		
6,500.0	6,482.6	6,406.2	6,325.6	23.2	27.3	-178.53	-939.3	256.3	938.8	892.1	46.71	20.097		
6,600.0	6,582.6	6,504.7	6,422.5	23.6	27.8	-178.84	-955.8	261.0	955.5	908.1	47.43	20.148		
6,700.0	6,682.6	6,603.1	6,519.5	23.9	28.2	-179.14	-972.4	265.6	972.3	924.1	48.14	20.198		
6,800.0	6,782.6	6,724.2	6,638.8	24.3	28.8	-179.48	-989.7	271.1	988.3	939.3	49.02	20.160		
6,900.0	6,882.6	6,856.4	6,769.8	24.6	29.3	-179.76	-1,008.8	275.9	1,001.2	951.3	49.94	20.047		
7,000.0	6,982.6	6,989.6	6,902.4	25.0	29.8	-179.97	-1,021.6	279.5	1,010.8	960.0	50.81	19.894		
7,100.0	7,082.6	7,123.7	7,036.2	25.3	30.3	179.90	-1,030.0	281.9	1,017.0	965.4	51.61	19.705		
7,200.0	7,182.6	7,258.2	7,170.6	25.7	30.7	179.84	-1,033.8	283.0	1,019.9	967.6	52.35	19.483		
7,234.4	7,217.0	7,304.6	7,217.0	25.8	30.9	179.83	-1,034.1	283.0	1,020.1	967.5	52.58	19.400		
7,250.0	7,232.6	7,325.5	7,238.0	25.8	30.9	-100.23	-1,034.0	283.0	1,020.1	967.4	52.69	19.362		
7,250.5	7,233.1	7,326.2	7,238.7	25.8	30.9	-100.23	-1,034.0	283.0	1,020.1	967.4	52.69	19.361		
7,300.0	7,282.4	7,354.3	7,266.6	26.0	31.0	-100.14	-1,034.5	280.9	1,021.3	968.3	52.99	19.273		
7,350.0	7,331.8	7,392.1	7,304.2	26.2	31.1	-99.98	-1,035.3	276.5	1,023.7	970.5	53.27	19.217		
7,400.0	7,380.3	7,430.0	7,341.5	26.3	31.2	-99.73	-1,036.6	269.6	1,027.6	974.0	53.53	19.195		
7,450.0	7,427.5	7,467.9	7,378.1	26.4	31.3	-99.39	-1,038.3	260.3	1,032.7	978.9	53.77	19.205		
7,500.0	7,473.2	7,505.7	7,414.1	26.6	31.4	-98.96	-1,040.5	248.7	1,039.1	985.1	53.99	19.245		
7,550.0	7,516.9	7,543.6	7,449.2	26.7	31.5	-98.45	-1,043.1	234.7	1,046.7	992.5	54.20	19.312		
7,600.0	7,558.3	7,581.4	7,483.2	26.8	31.6	-97.87	-1,046.1	218.5	1,055.6	1,001.2	54.41	19.402		
7,650.0	7,597.1	7,619.3	7,516.1	27.0	31.7	-97.20	-1,049.5	200.1	1,065.5	1,010.9	54.61	19.510		
7,700.0	7,633.0	7,657.2	7,547.8	27.1	31.7	-96.47	-1,053.3	179.7	1,076.6	1,021.7	54.83	19.634		
7,750.0	7,665.8	7,695.2	7,578.0	27.3	31.8	-95.66	-1,057.4	157.1	1,088.6	1,033.5	55.07	19.767		
7,800.0	7,695.1	7,733.2	7,606.8	27.5	31.9	-94.80	-1,062.0	132.6	1,101.5	1,046.2	55.34	19.905		
7,850.0	7,720.8	7,771.4	7,633.9	27.7	31.9	-93.88	-1,066.9	106.1	1,115.3	1,059.7	55.64	20.044		
7,900.0	7,742.7	7,809.9	7,659.3	27.9	32.0	-92.92	-1,072.1	77.8	1,129.8	1,073.9	55.99	20.180		
7,950.0	7,760.5	7,848.5	7,682.9	28.2	32.1	-91.93	-1,077.7	47.6	1,145.0	1,088.7	56.38	20.310		
8,000.0	7,774.3	7,887.6	7,704.5	28.5	32.1	-90.90	-1,083.7	15.7	1,160.8	1,104.0	56.82	20.430		
8,050.0	7,783.7	7,927.1	7,724.1	28.9	32.2	-89.86	-1,089.9	-18.0	1,177.1	1,119.8	57.31	20.539		
8,100.0	7,788.9	7,967.1	7,741.4	29.3	32.3	-88.81	-1,096.5	-53.5	1,193.7	1,135.9	57.85	20.636		
8,134.4	7,790.0	7,995.0	7,752.1	29.6	32.3	-88.08	-1,101.2	-78.9	1,205.4	1,147.1	58.23	20.701		
8,200.0	7,790.0	8,050.6	7,769.4	30.2	32.4	-88.99	-1,110.8	-130.8	1,227.2	1,168.1	59.07	20.776		
8,300.0	7,790.0	8,142.0	7,786.5	31.2	32.7	-89.84	-1,127.1	-219.0	1,258.3	1,197.7	60.63	20.753		
8,400.0	7,790.0	8,264.8	7,790.0	32.4	33.3	-90.00	-1,148.9	-339.7	1,285.9	1,223.1	62.81	20.473		
8,500.0	7,790.0	8,443.9	7,790.0	33.7	34.6	-90.00	-1,172.3	-517.2	1,305.4	1,239.4	65.99	19.782		
8,600.0	7,790.0	8,619.6	7,790.0	35.2	36.5	-90.00	-1,184.4	-692.4	1,315.2	1,245.7	69.57	18.905		
8,700.0	7,790.0	8,719.5	7,790.0	36.7	37.8	-90.00	-1,188.5	-792.3	1,318.9	1,246.4	72.56	18.176		
8,756.0	7,790.0	8,775.5	7,790.0	37.6	38.6	-90.00	-1,190.9	-848.2	1,319.5	1,245.2	74.32	17.753		
8,800.0	7,790.0	8,819.5	7,790.0	38.3	39.3	-90.00	-1,192.7	-892.2	1,319.5	1,243.7	75.74	17.421		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,900.0	7,790.0	8,919.5	7,790.0	40.0	40.8	-90.00	-1,196.9	-992.1	1,319.5	1,240.4	79.10	16.681		
9,000.0	7,790.0	9,019.5	7,790.0	41.8	42.4	-90.00	-1,201.0	-1,092.0	1,319.5	1,236.9	82.61	15.973		
9,100.0	7,790.0	9,119.5	7,790.0	43.6	44.2	-90.00	-1,205.2	-1,191.9	1,319.5	1,233.2	86.25	15.298		
9,200.0	7,790.0	9,219.5	7,790.0	45.5	45.9	-90.00	-1,209.3	-1,291.8	1,319.5	1,229.5	90.01	14.659		
9,300.0	7,790.0	9,319.5	7,790.0	47.5	47.8	-90.00	-1,213.5	-1,391.7	1,319.5	1,225.6	93.88	14.055		
9,400.0	7,790.0	9,419.5	7,790.0	49.5	49.7	-90.00	-1,217.7	-1,491.6	1,319.5	1,221.7	97.84	13.487		
9,500.0	7,790.0	9,519.5	7,790.0	51.5	51.7	-90.00	-1,221.8	-1,591.6	1,319.5	1,217.6	101.87	12.953		
9,600.0	7,790.0	9,619.5	7,790.0	53.6	53.6	-90.00	-1,226.0	-1,691.5	1,319.5	1,213.5	105.98	12.450		
9,700.0	7,790.0	9,719.5	7,790.0	55.7	55.7	-90.00	-1,230.1	-1,791.4	1,319.5	1,209.4	110.16	11.979		
9,800.0	7,790.0	9,819.5	7,790.0	57.8	57.7	-90.00	-1,234.3	-1,891.3	1,319.5	1,205.1	114.38	11.536		
9,900.0	7,790.0	9,919.5	7,790.0	59.9	59.8	-90.00	-1,238.5	-1,991.2	1,319.5	1,200.9	118.66	11.120		
10,000.0	7,790.0	10,019.5	7,790.0	62.1	62.0	-90.00	-1,242.6	-2,091.1	1,319.5	1,196.5	122.99	10.729		
10,100.0	7,790.0	10,119.5	7,790.0	64.3	64.1	-90.00	-1,246.8	-2,191.0	1,319.5	1,192.2	127.36	10.361		
10,200.0	7,790.0	10,219.5	7,790.0	66.5	66.3	-90.00	-1,250.9	-2,291.0	1,319.5	1,187.8	131.76	10.015		
10,300.0	7,790.0	10,319.5	7,790.0	68.7	68.4	-90.00	-1,255.1	-2,390.9	1,319.5	1,183.4	136.19	9.689		
10,400.0	7,790.0	10,419.5	7,790.0	71.0	70.6	-90.00	-1,259.3	-2,490.8	1,319.5	1,178.9	140.66	9.381		
10,500.0	7,790.0	10,519.5	7,790.0	73.2	72.8	-90.00	-1,263.4	-2,590.7	1,319.6	1,174.4	145.15	9.091		
10,600.0	7,790.0	10,619.5	7,790.0	75.5	75.1	-90.00	-1,267.6	-2,690.6	1,319.6	1,169.9	149.67	8.816		
10,700.0	7,790.0	10,719.5	7,790.0	77.7	77.3	-90.00	-1,271.7	-2,790.5	1,319.6	1,165.4	154.21	8.557		
10,800.0	7,790.0	10,819.5	7,790.0	80.0	79.6	-90.00	-1,275.9	-2,890.4	1,319.6	1,160.8	158.77	8.311		
10,900.0	7,790.0	10,919.5	7,790.0	82.3	81.8	-90.00	-1,280.1	-2,990.4	1,319.6	1,156.2	163.35	8.078		
11,000.0	7,790.0	11,019.5	7,790.0	84.6	84.1	-90.00	-1,284.2	-3,090.3	1,319.6	1,151.6	167.95	7.857		
11,100.0	7,790.0	11,119.5	7,790.0	86.9	86.4	-90.00	-1,288.4	-3,190.2	1,319.6	1,147.0	172.56	7.647		
11,200.0	7,790.0	11,219.5	7,790.0	89.2	88.7	-90.00	-1,292.5	-3,290.1	1,319.6	1,142.4	177.19	7.447		
11,300.0	7,790.0	11,319.5	7,790.0	91.6	91.0	-90.00	-1,296.7	-3,390.0	1,319.6	1,137.8	181.83	7.257		
11,400.0	7,790.0	11,419.5	7,790.0	93.9	93.3	-90.00	-1,300.9	-3,489.9	1,319.6	1,133.1	186.49	7.076		
11,500.0	7,790.0	11,519.5	7,790.0	96.2	95.6	-90.00	-1,305.0	-3,589.8	1,319.6	1,128.4	191.15	6.903		
11,600.0	7,790.0	11,619.5	7,790.0	98.6	97.9	-90.00	-1,309.2	-3,689.7	1,319.6	1,123.8	195.83	6.739		
11,700.0	7,790.0	11,719.5	7,790.0	100.9	100.3	-90.00	-1,313.3	-3,789.7	1,319.6	1,119.1	200.51	6.581		
11,800.0	7,790.0	11,819.5	7,790.0	103.3	102.6	-90.00	-1,317.5	-3,889.6	1,319.6	1,114.4	205.21	6.431		
11,900.0	7,790.0	11,919.5	7,790.0	105.6	104.9	-90.00	-1,321.7	-3,989.5	1,319.6	1,109.7	209.91	6.286		
12,000.0	7,790.0	12,019.5	7,790.0	108.0	107.3	-90.00	-1,325.8	-4,089.4	1,319.6	1,105.0	214.63	6.148		
12,100.0	7,790.0	12,119.5	7,790.0	110.3	109.6	-90.00	-1,330.0	-4,189.3	1,319.6	1,100.3	219.35	6.016		
12,200.0	7,790.0	12,219.5	7,790.0	112.7	112.0	-90.00	-1,334.1	-4,289.2	1,319.6	1,095.5	224.08	5.889		
12,300.0	7,790.0	12,319.5	7,790.0	115.1	114.3	-90.00	-1,338.3	-4,389.1	1,319.6	1,090.8	228.81	5.767		
12,400.0	7,790.0	12,419.5	7,790.0	117.4	116.7	-90.00	-1,342.4	-4,489.1	1,319.6	1,086.1	233.55	5.650		
12,500.0	7,790.0	12,519.5	7,790.0	119.8	119.0	-90.00	-1,346.6	-4,589.0	1,319.6	1,081.3	238.30	5.538		
12,600.0	7,790.0	12,619.5	7,790.0	122.2	121.4	-90.00	-1,350.8	-4,688.9	1,319.6	1,076.6	243.05	5.430		
12,700.0	7,790.0	12,719.5	7,790.0	124.6	123.8	-90.00	-1,354.9	-4,788.8	1,319.6	1,071.8	247.81	5.325		
12,800.0	7,790.0	12,819.5	7,790.0	127.0	126.1	-90.00	-1,359.1	-4,888.7	1,319.6	1,067.1	252.57	5.225		
12,900.0	7,790.0	12,919.5	7,790.0	129.3	128.5	-90.00	-1,363.2	-4,988.6	1,319.6	1,062.3	257.34	5.128		
13,000.0	7,790.0	13,019.5	7,790.0	131.7	130.9	-90.00	-1,367.4	-5,088.5	1,319.7	1,057.5	262.11	5.035		
13,100.0	7,790.0	13,119.5	7,790.0	134.1	133.3	-90.00	-1,371.6	-5,188.4	1,319.7	1,052.8	266.88	4.945		
13,200.0	7,790.0	13,219.5	7,790.0	136.5	135.6	-90.00	-1,375.7	-5,288.4	1,319.7	1,048.0	271.66	4.858		
13,300.0	7,790.0	13,319.5	7,790.0	138.9	138.0	-90.00	-1,379.9	-5,388.3	1,319.7	1,043.2	276.45	4.774		
13,400.0	7,790.0	13,419.5	7,790.0	141.3	140.4	-90.00	-1,384.0	-5,488.2	1,319.7	1,038.4	281.23	4.692		
13,500.0	7,790.0	13,519.5	7,790.0	143.7	142.8	-90.00	-1,388.2	-5,588.1	1,319.7	1,033.6	286.02	4.614		
13,600.0	7,790.0	13,619.5	7,790.0	146.1	145.2	-90.00	-1,392.4	-5,688.0	1,319.7	1,028.9	290.82	4.538		
13,700.0	7,790.0	13,719.5	7,790.0	148.5	147.6	-90.00	-1,396.5	-5,787.9	1,319.7	1,024.1	295.61	4.464		
13,800.0	7,790.0	13,819.5	7,790.0	150.9	150.0	-90.00	-1,400.7	-5,887.8	1,319.7	1,019.3	300.41	4.393		
13,900.0	7,790.0	13,919.5	7,790.0	153.3	152.4	-90.00	-1,404.8	-5,987.8	1,319.7	1,014.5	305.22	4.324		
14,000.0	7,790.0	14,019.5	7,790.0	155.7	154.8	-90.00	-1,409.0	-6,087.7	1,319.7	1,009.7	310.02	4.257		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.0	7,790.0	14,119.5	7,790.0	158.1	157.2	-90.00	-1,413.2	-6,187.6	1,319.7	1,004.9	314.83	4.192		
14,200.0	7,790.0	14,219.5	7,790.0	160.5	159.6	-90.00	-1,417.3	-6,287.5	1,319.7	1,000.1	319.64	4.129		
14,300.0	7,790.0	14,319.5	7,790.0	162.9	162.0	-90.00	-1,421.5	-6,387.4	1,319.7	995.3	324.45	4.067		
14,400.0	7,790.0	14,419.5	7,790.0	165.3	164.4	-90.00	-1,425.6	-6,487.3	1,319.7	990.4	329.27	4.008		
14,500.0	7,790.0	14,519.5	7,790.0	167.7	166.8	-90.00	-1,429.8	-6,587.2	1,319.7	985.6	334.08	3.950		
14,600.0	7,790.0	14,619.5	7,790.0	170.1	169.2	-90.00	-1,434.0	-6,687.1	1,319.7	980.8	338.90	3.894		
14,700.0	7,790.0	14,719.5	7,790.0	172.5	171.6	-90.00	-1,438.1	-6,787.1	1,319.7	976.0	343.72	3.839		
14,800.0	7,790.0	14,819.5	7,790.0	175.0	174.0	-90.00	-1,442.3	-6,887.0	1,319.7	971.2	348.54	3.786		
14,900.0	7,790.0	14,919.5	7,790.0	177.4	176.4	-90.00	-1,446.4	-6,986.9	1,319.7	966.4	353.37	3.735		
15,000.0	7,790.0	15,019.5	7,790.0	179.8	178.8	-90.00	-1,450.6	-7,086.8	1,319.7	961.5	358.19	3.684		
15,100.0	7,790.0	15,119.5	7,790.0	182.2	181.2	-90.00	-1,454.8	-7,186.7	1,319.7	956.7	363.02	3.635		
15,200.0	7,790.0	15,219.5	7,790.0	184.6	183.6	-90.00	-1,458.9	-7,286.6	1,319.7	951.9	367.85	3.588		
15,300.0	7,790.0	15,319.5	7,790.0	187.0	186.0	-90.00	-1,463.1	-7,386.5	1,319.7	947.1	372.68	3.541		
15,400.0	7,790.0	15,419.5	7,790.0	189.4	188.4	-90.00	-1,467.2	-7,486.5	1,319.7	942.2	377.51	3.496		
15,500.0	7,790.0	15,519.5	7,790.0	191.9	190.8	-90.00	-1,471.4	-7,586.4	1,319.8	937.4	382.35	3.452		
15,600.0	7,790.0	15,619.5	7,790.0	194.3	193.3	-90.00	-1,475.6	-7,686.3	1,319.8	932.6	387.18	3.409		
15,700.0	7,790.0	15,719.5	7,790.0	196.7	195.7	-90.00	-1,479.7	-7,786.2	1,319.8	927.7	392.02	3.367		
15,800.0	7,790.0	15,819.5	7,790.0	199.1	198.1	-90.00	-1,483.9	-7,886.1	1,319.8	922.9	396.86	3.326		
15,900.0	7,790.0	15,919.5	7,790.0	201.5	200.5	-90.00	-1,488.0	-7,986.0	1,319.8	918.1	401.70	3.285		
16,000.0	7,790.0	16,019.5	7,790.0	204.0	202.9	-90.00	-1,492.2	-8,085.9	1,319.8	913.2	406.54	3.246		
16,100.0	7,790.0	16,119.5	7,790.0	206.4	205.3	-90.00	-1,496.4	-8,185.9	1,319.8	908.4	411.38	3.208		
16,200.0	7,790.0	16,219.5	7,790.0	208.8	207.7	-90.00	-1,500.5	-8,285.8	1,319.8	903.6	416.22	3.171		
16,300.0	7,790.0	16,319.5	7,790.0	211.2	210.2	-90.00	-1,504.7	-8,385.7	1,319.8	898.7	421.06	3.134		
16,400.0	7,790.0	16,419.5	7,790.0	213.6	212.6	-90.00	-1,508.8	-8,485.6	1,319.8	893.9	425.91	3.099		
16,500.0	7,790.0	16,519.5	7,790.0	216.1	215.0	-90.00	-1,513.0	-8,585.5	1,319.8	889.0	430.75	3.064		
16,600.0	7,790.0	16,619.5	7,790.0	218.5	217.4	-90.00	-1,517.2	-8,685.4	1,319.8	884.2	435.60	3.030		
16,700.0	7,790.0	16,719.5	7,790.0	220.9	219.8	-90.00	-1,521.3	-8,785.3	1,319.8	879.4	440.44	2.997		
16,800.0	7,790.0	16,819.5	7,790.0	223.3	222.3	-90.00	-1,525.5	-8,885.2	1,319.8	874.5	445.29	2.964		
16,900.0	7,790.0	16,919.5	7,790.0	225.8	224.7	-90.00	-1,529.6	-8,985.2	1,319.8	869.7	450.14	2.932		
17,000.0	7,790.0	17,019.5	7,790.0	228.2	227.1	-90.00	-1,533.8	-9,085.1	1,319.8	864.8	454.99	2.901		
17,100.0	7,790.0	17,119.5	7,790.0	230.6	229.5	-90.00	-1,537.9	-9,185.0	1,319.8	860.0	459.84	2.870		
17,200.0	7,790.0	17,219.5	7,790.0	233.0	231.9	-90.00	-1,542.1	-9,284.9	1,319.8	855.1	464.69	2.840		
17,300.0	7,790.0	17,319.5	7,790.0	235.5	234.4	-90.00	-1,546.3	-9,384.8	1,319.8	850.3	469.54	2.811		
17,400.0	7,790.0	17,419.5	7,790.0	237.9	236.8	-90.00	-1,550.4	-9,484.7	1,319.8	845.4	474.40	2.782		
17,500.0	7,790.0	17,519.5	7,790.0	240.3	239.2	-90.00	-1,554.6	-9,584.6	1,319.8	840.6	479.25	2.754		
17,600.0	7,790.0	17,619.5	7,790.0	242.7	241.6	-90.00	-1,558.7	-9,684.6	1,319.8	835.7	484.10	2.726		
17,700.0	7,790.0	17,719.5	7,790.0	245.2	244.1	-90.00	-1,562.9	-9,784.5	1,319.8	830.9	488.96	2.699		
17,800.0	7,790.0	17,819.5	7,790.0	247.6	246.5	-90.00	-1,567.1	-9,884.4	1,319.8	826.0	493.81	2.673		
17,900.0	7,790.0	17,919.5	7,790.0	250.0	248.9	-90.00	-1,571.2	-9,984.3	1,319.8	821.2	498.67	2.647		
18,000.0	7,790.0	18,019.5	7,790.0	252.5	251.3	-90.00	-1,575.4	-10,084.2	1,319.8	816.3	503.53	2.621		
18,079.9	7,790.0	18,100.6	7,790.0	254.4	253.3	-90.00	-1,578.7	-10,164.1	1,319.9	812.4	507.44	2.601 SF		
18,080.6	7,790.0	18,100.1	7,790.0	254.4	253.3	-90.00	-1,578.7	-10,164.7	1,319.9	812.4	507.44	2.601		

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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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 @ 3117.5usft

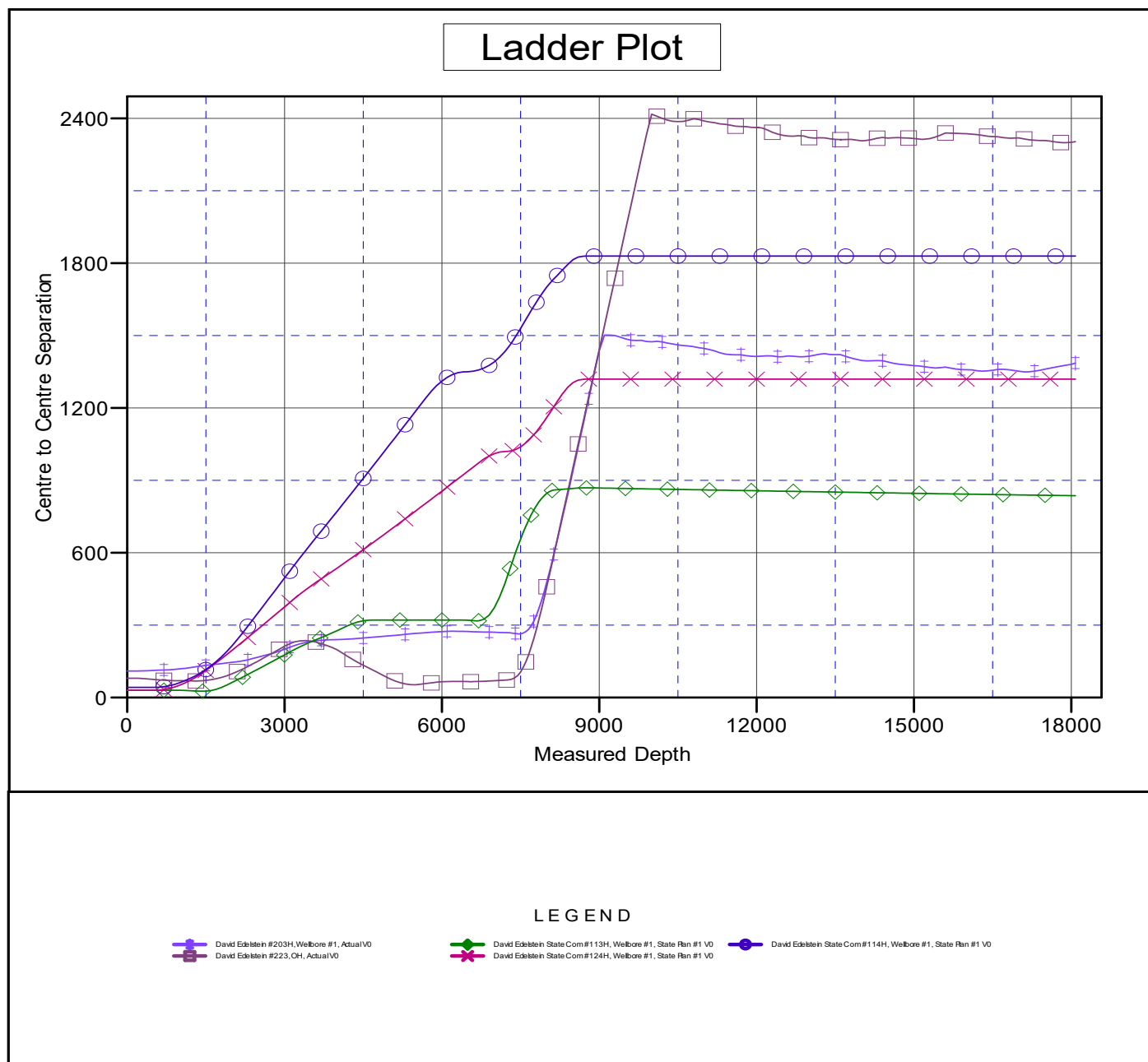
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: David Edelstein State Com #123H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.11°



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

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Project:	Rustler Breaks	TVD Reference:	KB @ 3117.5usft
Reference Site:	David Edelstein	MD Reference:	KB @ 3117.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	David Edelstein State Com #123H	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 @ 3117.5usft

Offset Depths are relative to Offset Datum

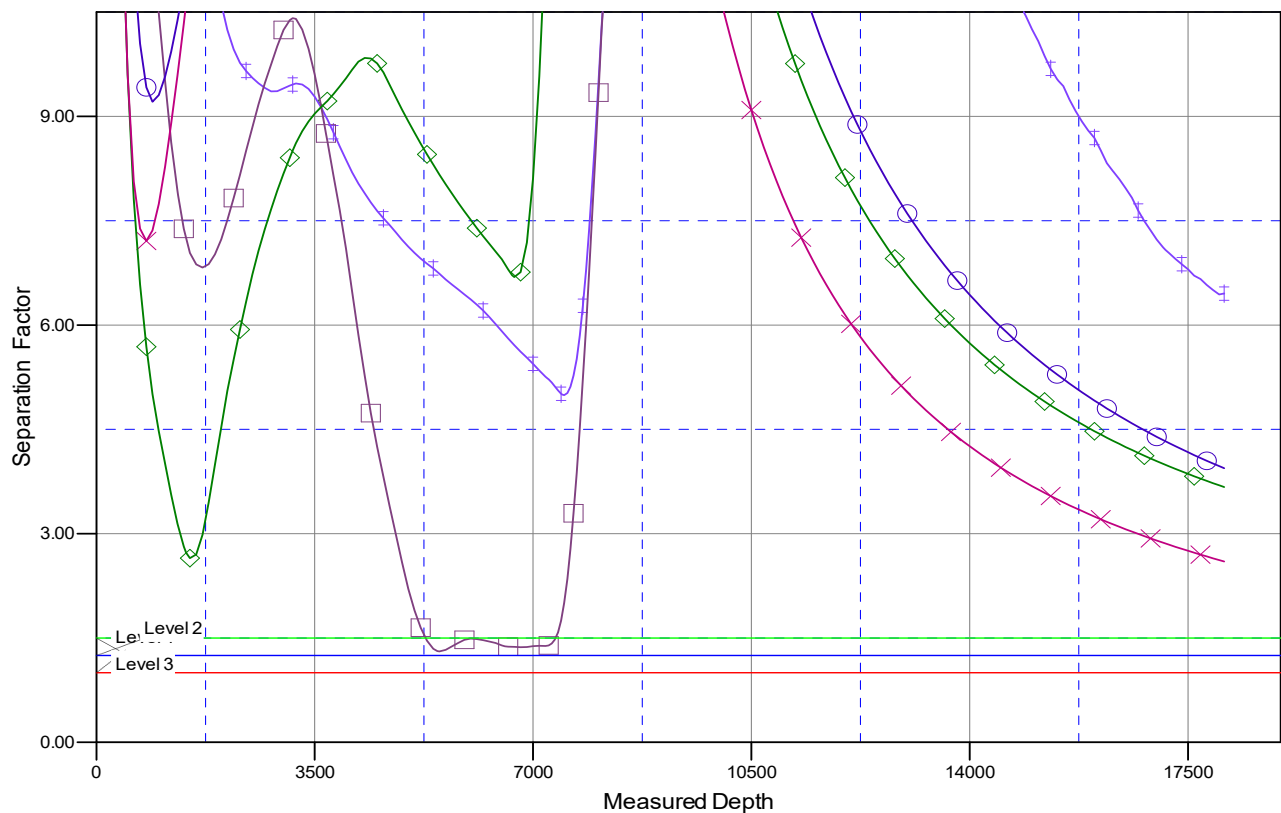
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: David Edelstein State Com #123H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.11°

Separation Factor Plot



LEGEND

David Edelstein #203H, Wellbore #1, Actual VO
 David Edelstein #223, OH, Actual VO

David Edelstein State Com #113H, Wellbore #1, State Plan #1 VO
 David Edelstein State Com #124H, Wellbore #1, State Plan #1 VO

David Edelstein State Com #114H, Wellbore #1, State Plan #1 VO

Matador Production Company

Rustler Breaks

David Edelstein

David Edelstein State Com #123H

Wellbore #1

Plan: State Plan #1

Standard Planning Report

04 November, 2022

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #123H	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	David Edelstein					
Site Position:		Northing:	447,660.00 usft	Latitude:	32° 13' 50.090 N	
From:	Map	Easting:	560,995.00 usft	Longitude:	104° 8' 9.877 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.11 °

Well	David Edelstein State Com #123H					
Well Position	+N/-S	-80.0 usft	Northing:	447,580.00 usft	Latitude:	32° 13' 49.298 N
	+E/-W	0.0 usft	Easting:	560,995.00 usft	Longitude:	104° 8' 9.878 W
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	3,089.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	11/4/2022	6.63	59.91	47,333.09264957

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	268.54

Plan Survey Tool Program	Date	11/4/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,079.9	State Plan #1 (Wellbore #1)	MWD
				OWSG MWD - Standard

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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	8.00	92.86	1,797.4	-2.8	55.7	1.00	1.00	0.00	92.86	
3,146.9	8.00	92.86	3,131.2	-12.1	242.9	0.00	0.00	0.00	0.00	
3,680.2	0.00	0.00	3,662.8	-14.0	280.0	1.50	-1.50	0.00	180.00	
7,234.4	0.00	0.00	7,217.0	-14.0	280.0	0.00	0.00	0.00	0.00	VP - David Edelstein ;
8,134.4	90.00	280.05	7,790.0	86.0	-284.1	10.00	10.00	0.00	280.05	
8,756.0	90.00	267.62	7,790.0	127.5	-903.1	2.00	0.00	-2.00	-90.00	
18,079.9	90.00	267.62	7,790.0	-260.0	-10,219.0	0.00	0.00	0.00	0.00	BHL - David Edelstein

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #123H	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
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
760.0	0.00	0.00	760.0	0.0	0.0	0.0	0.00	0.00	0.00
Castile									
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.00									
1,100.0	1.00	92.86	1,100.0	0.0	0.9	-0.9	1.00	1.00	0.00
1,200.0	2.00	92.86	1,200.0	-0.2	3.5	-3.5	1.00	1.00	0.00
1,300.0	3.00	92.86	1,299.9	-0.4	7.8	-7.8	1.00	1.00	0.00
1,400.0	4.00	92.86	1,399.7	-0.7	13.9	-13.9	1.00	1.00	0.00
1,500.0	5.00	92.86	1,499.4	-1.1	21.8	-21.7	1.00	1.00	0.00
1,600.0	6.00	92.86	1,598.9	-1.6	31.3	-31.3	1.00	1.00	0.00
1,700.0	7.00	92.86	1,698.3	-2.1	42.7	-42.6	1.00	1.00	0.00
1,800.0	8.00	92.86	1,797.4	-2.8	55.7	-55.6	1.00	1.00	0.00
Start 1346.9 hold at 1800.0 MD									
1,900.0	8.00	92.86	1,896.4	-3.5	69.6	-69.5	0.00	0.00	0.00
2,000.0	8.00	92.86	1,995.5	-4.2	83.5	-83.4	0.00	0.00	0.00
2,100.0	8.00	92.86	2,094.5	-4.9	97.4	-97.2	0.00	0.00	0.00
2,200.0	8.00	92.86	2,193.5	-5.6	111.3	-111.1	0.00	0.00	0.00
2,300.0	8.00	92.86	2,292.5	-6.3	125.2	-125.0	0.00	0.00	0.00
2,400.0	8.00	92.86	2,391.6	-7.0	139.1	-138.9	0.00	0.00	0.00
2,445.5	8.00	92.86	2,436.6	-7.3	145.4	-145.2	0.00	0.00	0.00
G30:CS14-CSB									
2,454.1	8.00	92.86	2,445.1	-7.3	146.6	-146.4	0.00	0.00	0.00
G26: Bell Cyn.									
2,500.0	8.00	92.86	2,490.6	-7.6	153.0	-152.7	0.00	0.00	0.00
2,600.0	8.00	92.86	2,589.6	-8.3	166.9	-166.6	0.00	0.00	0.00
2,700.0	8.00	92.86	2,688.6	-9.0	180.8	-180.5	0.00	0.00	0.00
2,800.0	8.00	92.86	2,787.7	-9.7	194.7	-194.4	0.00	0.00	0.00
2,900.0	8.00	92.86	2,886.7	-10.4	208.6	-208.3	0.00	0.00	0.00
3,000.0	8.00	92.86	2,985.7	-11.1	222.5	-222.1	0.00	0.00	0.00
3,100.0	8.00	92.86	3,084.8	-11.8	236.4	-236.0	0.00	0.00	0.00
3,146.9	8.00	92.86	3,131.2	-12.1	242.9	-242.5	0.00	0.00	0.00
Start Drop -1.50									
3,200.0	7.20	92.86	3,183.8	-12.5	249.9	-249.5	1.50	-1.50	0.00
3,271.8	6.13	92.86	3,255.1	-12.9	258.2	-257.8	1.50	-1.50	0.00
G13: Cherry Cyn.									
3,300.0	5.70	92.86	3,283.2	-13.1	261.1	-260.7	1.50	-1.50	0.00
3,400.0	4.20	92.86	3,382.8	-13.5	269.8	-269.3	1.50	-1.50	0.00
3,500.0	2.70	92.86	3,482.6	-13.8	275.8	-275.3	1.50	-1.50	0.00
3,600.0	1.20	92.86	3,582.6	-14.0	279.2	-278.7	1.50	-1.50	0.00
3,680.2	0.00	0.00	3,662.8	-14.0	280.0	-279.6	1.50	-1.50	0.00
Start 3554.2 hold at 3680.2 MD									
3,700.0	0.00	0.00	3,682.6	-14.0	280.0	-279.6	0.00	0.00	0.00
3,800.0	0.00	0.00	3,782.6	-14.0	280.0	-279.6	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #123H	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)
3,900.0	0.00	0.00	3,882.6	-14.0	280.0	-279.6	0.00	0.00	0.00
4,000.0	0.00	0.00	3,982.6	-14.0	280.0	-279.6	0.00	0.00	0.00
4,100.0	0.00	0.00	4,082.6	-14.0	280.0	-279.6	0.00	0.00	0.00
4,200.0	0.00	0.00	4,182.6	-14.0	280.0	-279.6	0.00	0.00	0.00
4,300.0	0.00	0.00	4,282.6	-14.0	280.0	-279.6	0.00	0.00	0.00
4,340.1	0.00	0.00	4,322.6	-14.0	280.0	-279.6	0.00	0.00	0.00
G7: Brushy Cyn.									
4,400.0	0.00	0.00	4,382.6	-14.0	280.0	-279.6	0.00	0.00	0.00
4,500.0	0.00	0.00	4,482.6	-14.0	280.0	-279.6	0.00	0.00	0.00
4,600.0	0.00	0.00	4,582.6	-14.0	280.0	-279.6	0.00	0.00	0.00
4,700.0	0.00	0.00	4,682.6	-14.0	280.0	-279.6	0.00	0.00	0.00
4,800.0	0.00	0.00	4,782.6	-14.0	280.0	-279.6	0.00	0.00	0.00
4,900.0	0.00	0.00	4,882.6	-14.0	280.0	-279.6	0.00	0.00	0.00
5,000.0	0.00	0.00	4,982.6	-14.0	280.0	-279.6	0.00	0.00	0.00
5,100.0	0.00	0.00	5,082.6	-14.0	280.0	-279.6	0.00	0.00	0.00
5,200.0	0.00	0.00	5,182.6	-14.0	280.0	-279.6	0.00	0.00	0.00
5,300.0	0.00	0.00	5,282.6	-14.0	280.0	-279.6	0.00	0.00	0.00
5,400.0	0.00	0.00	5,382.6	-14.0	280.0	-279.6	0.00	0.00	0.00
5,500.0	0.00	0.00	5,482.6	-14.0	280.0	-279.6	0.00	0.00	0.00
5,600.0	0.00	0.00	5,582.6	-14.0	280.0	-279.6	0.00	0.00	0.00
5,700.0	0.00	0.00	5,682.6	-14.0	280.0	-279.6	0.00	0.00	0.00
5,800.0	0.00	0.00	5,782.6	-14.0	280.0	-279.6	0.00	0.00	0.00
5,900.0	0.00	0.00	5,882.6	-14.0	280.0	-279.6	0.00	0.00	0.00
5,930.4	0.00	0.00	5,913.0	-14.0	280.0	-279.6	0.00	0.00	0.00
G4: BSG (CS9)									
6,000.0	0.00	0.00	5,982.6	-14.0	280.0	-279.6	0.00	0.00	0.00
6,100.0	0.00	0.00	6,082.6	-14.0	280.0	-279.6	0.00	0.00	0.00
6,200.0	0.00	0.00	6,182.6	-14.0	280.0	-279.6	0.00	0.00	0.00
6,300.0	0.00	0.00	6,282.6	-14.0	280.0	-279.6	0.00	0.00	0.00
6,400.0	0.00	0.00	6,382.6	-14.0	280.0	-279.6	0.00	0.00	0.00
6,500.0	0.00	0.00	6,482.6	-14.0	280.0	-279.6	0.00	0.00	0.00
6,600.0	0.00	0.00	6,582.6	-14.0	280.0	-279.6	0.00	0.00	0.00
6,614.7	0.00	0.00	6,597.3	-14.0	280.0	-279.6	0.00	0.00	0.00
L5.3: FBSC									
6,700.0	0.00	0.00	6,682.6	-14.0	280.0	-279.6	0.00	0.00	0.00
6,800.0	0.00	0.00	6,782.6	-14.0	280.0	-279.6	0.00	0.00	0.00
6,900.0	0.00	0.00	6,882.6	-14.0	280.0	-279.6	0.00	0.00	0.00
6,922.3	0.00	0.00	6,904.8	-14.0	280.0	-279.6	0.00	0.00	0.00
L5.1: FBSC									
6,923.7	0.00	0.00	6,906.3	-14.0	280.0	-279.6	0.00	0.00	0.00
L5.1: FBSC									
7,000.0	0.00	0.00	6,982.6	-14.0	280.0	-279.6	0.00	0.00	0.00
7,100.0	0.00	0.00	7,082.6	-14.0	280.0	-279.6	0.00	0.00	0.00
7,195.4	0.00	0.00	7,178.0	-14.0	280.0	-279.6	0.00	0.00	0.00
L4.3: SBSC									
7,200.0	0.00	0.00	7,182.6	-14.0	280.0	-279.6	0.00	0.00	0.00
7,234.4	0.00	0.00	7,217.0	-14.0	280.0	-279.6	0.00	0.00	0.00
Start Build 10.00 - VP - David Edelstein #123H									
7,250.0	1.56	280.05	7,232.6	-14.0	279.8	-279.4	10.00	10.00	0.00
7,300.0	6.56	280.05	7,282.4	-13.3	276.3	-275.9	10.00	10.00	0.00
7,350.0	11.56	280.05	7,331.8	-12.0	268.6	-268.2	10.00	10.00	0.00
7,400.0	16.56	280.05	7,380.3	-9.9	256.6	-256.3	10.00	10.00	0.00
7,450.0	21.56	280.05	7,427.5	-7.0	240.6	-240.3	10.00	10.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #123H	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)
7,500.0	26.56	280.05	7,473.2	-3.5	220.5	-220.4	10.00	10.00	0.00
7,550.0	31.56	280.05	7,516.9	0.8	196.6	-196.6	10.00	10.00	0.00
7,600.0	36.56	280.05	7,558.3	5.7	169.0	-169.1	10.00	10.00	0.00
7,650.0	41.56	280.05	7,597.1	11.2	138.0	-138.3	10.00	10.00	0.00
7,670.3	43.58	280.05	7,612.0	13.6	124.5	-124.8	10.00	10.00	0.00
L4.1: SBSG									
7,700.0	46.56	280.05	7,633.0	17.2	103.8	-104.2	10.00	10.00	0.00
7,704.9	47.05	280.05	7,636.3	17.9	100.3	-100.7	10.00	10.00	0.00
FTP - David Edelstein #123H									
7,750.0	51.56	280.05	7,665.8	23.8	66.6	-67.2	10.00	10.00	0.00
7,800.0	56.56	280.05	7,695.1	30.9	26.8	-27.6	10.00	10.00	0.00
7,850.0	61.56	280.05	7,720.8	38.4	-15.4	14.4	10.00	10.00	0.00
7,900.0	66.56	280.05	7,742.7	46.2	-59.7	58.5	10.00	10.00	0.00
7,950.0	71.56	280.05	7,760.5	54.4	-105.6	104.2	10.00	10.00	0.00
8,000.0	76.56	280.05	7,774.3	62.7	-153.0	151.3	10.00	10.00	0.00
8,050.0	81.56	280.05	7,783.7	71.3	-201.3	199.4	10.00	10.00	0.00
8,100.0	86.56	280.05	7,788.9	80.0	-250.2	248.1	10.00	10.00	0.00
8,134.4	90.00	280.05	7,790.0	86.0	-284.1	281.9	10.00	10.00	0.00
Start DLS 2.00 TFO -90.00									
8,200.0	90.00	278.74	7,790.0	96.7	-348.8	346.2	2.00	0.00	-2.00
8,300.0	90.00	276.74	7,790.0	110.2	-447.9	445.0	2.00	0.00	-2.00
8,400.0	90.00	274.74	7,790.0	120.1	-547.4	544.2	2.00	0.00	-2.00
8,500.0	90.00	272.74	7,790.0	126.7	-647.2	643.7	2.00	0.00	-2.00
8,600.0	90.00	270.74	7,790.0	129.7	-747.1	743.6	2.00	0.00	-2.00
8,700.0	90.00	268.74	7,790.0	129.2	-847.1	843.6	2.00	0.00	-2.00
8,756.0	90.00	267.62	7,790.0	127.5	-903.1	899.6	2.00	0.00	-2.00
Start 9323.9 hold at 8756.0 MD									
8,800.0	90.00	267.62	7,790.0	125.6	-947.1	943.6	0.00	0.00	0.00
8,900.0	90.00	267.62	7,790.0	121.5	-1,047.0	1,043.5	0.00	0.00	0.00
9,000.0	90.00	267.62	7,790.0	117.3	-1,146.9	1,143.5	0.00	0.00	0.00
9,100.0	90.00	267.62	7,790.0	113.2	-1,246.8	1,243.5	0.00	0.00	0.00
9,200.0	90.00	267.62	7,790.0	109.0	-1,346.7	1,343.5	0.00	0.00	0.00
9,300.0	90.00	267.62	7,790.0	104.9	-1,446.6	1,443.5	0.00	0.00	0.00
9,400.0	90.00	267.62	7,790.0	100.7	-1,546.5	1,543.5	0.00	0.00	0.00
9,500.0	90.00	267.62	7,790.0	96.5	-1,646.4	1,643.5	0.00	0.00	0.00
9,600.0	90.00	267.62	7,790.0	92.4	-1,746.4	1,743.4	0.00	0.00	0.00
9,700.0	90.00	267.62	7,790.0	88.2	-1,846.3	1,843.4	0.00	0.00	0.00
9,800.0	90.00	267.62	7,790.0	84.1	-1,946.2	1,943.4	0.00	0.00	0.00
9,900.0	90.00	267.62	7,790.0	79.9	-2,046.1	2,043.4	0.00	0.00	0.00
10,000.0	90.00	267.62	7,790.0	75.8	-2,146.0	2,143.4	0.00	0.00	0.00
10,100.0	90.00	267.62	7,790.0	71.6	-2,245.9	2,243.4	0.00	0.00	0.00
10,200.0	90.00	267.62	7,790.0	67.5	-2,345.8	2,343.4	0.00	0.00	0.00
10,300.0	90.00	267.62	7,790.0	63.3	-2,445.8	2,443.4	0.00	0.00	0.00
10,400.0	90.00	267.62	7,790.0	59.1	-2,545.7	2,543.3	0.00	0.00	0.00
10,500.0	90.00	267.62	7,790.0	55.0	-2,645.6	2,643.3	0.00	0.00	0.00
10,600.0	90.00	267.62	7,790.0	50.8	-2,745.5	2,743.3	0.00	0.00	0.00
10,700.0	90.00	267.62	7,790.0	46.7	-2,845.4	2,843.3	0.00	0.00	0.00
10,800.0	90.00	267.62	7,790.0	42.5	-2,945.3	2,943.3	0.00	0.00	0.00
10,900.0	90.00	267.62	7,790.0	38.4	-3,045.2	3,043.3	0.00	0.00	0.00
11,000.0	90.00	267.62	7,790.0	34.2	-3,145.2	3,143.3	0.00	0.00	0.00
11,100.0	90.00	267.62	7,790.0	30.1	-3,245.1	3,243.3	0.00	0.00	0.00
11,200.0	90.00	267.62	7,790.0	25.9	-3,345.0	3,343.2	0.00	0.00	0.00
11,300.0	90.00	267.62	7,790.0	21.7	-3,444.9	3,443.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #123H	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)
11,400.0	90.00	267.62	7,790.0	17.6	-3,544.8	3,543.2	0.00	0.00	0.00
11,500.0	90.00	267.62	7,790.0	13.4	-3,644.7	3,643.2	0.00	0.00	0.00
11,600.0	90.00	267.62	7,790.0	9.3	-3,744.6	3,743.2	0.00	0.00	0.00
11,700.0	90.00	267.62	7,790.0	5.1	-3,844.5	3,843.2	0.00	0.00	0.00
11,800.0	90.00	267.62	7,790.0	1.0	-3,944.5	3,943.2	0.00	0.00	0.00
11,900.0	90.00	267.62	7,790.0	-3.2	-4,044.4	4,043.1	0.00	0.00	0.00
12,000.0	90.00	267.62	7,790.0	-7.3	-4,144.3	4,143.1	0.00	0.00	0.00
12,100.0	90.00	267.62	7,790.0	-11.5	-4,244.2	4,243.1	0.00	0.00	0.00
12,200.0	90.00	267.62	7,790.0	-15.7	-4,344.1	4,343.1	0.00	0.00	0.00
12,300.0	90.00	267.62	7,790.0	-19.8	-4,444.0	4,443.1	0.00	0.00	0.00
12,400.0	90.00	267.62	7,790.0	-24.0	-4,543.9	4,543.1	0.00	0.00	0.00
12,500.0	90.00	267.62	7,790.0	-28.1	-4,643.9	4,643.1	0.00	0.00	0.00
12,600.0	90.00	267.62	7,790.0	-32.3	-4,743.8	4,743.1	0.00	0.00	0.00
12,700.0	90.00	267.62	7,790.0	-36.4	-4,843.7	4,843.0	0.00	0.00	0.00
12,800.0	90.00	267.62	7,790.0	-40.6	-4,943.6	4,943.0	0.00	0.00	0.00
12,900.0	90.00	267.62	7,790.0	-44.7	-5,043.5	5,043.0	0.00	0.00	0.00
13,000.0	90.00	267.62	7,790.0	-48.9	-5,143.4	5,143.0	0.00	0.00	0.00
13,100.0	90.00	267.62	7,790.0	-53.1	-5,243.3	5,243.0	0.00	0.00	0.00
13,200.0	90.00	267.62	7,790.0	-57.2	-5,343.3	5,343.0	0.00	0.00	0.00
13,300.0	90.00	267.62	7,790.0	-61.4	-5,443.2	5,443.0	0.00	0.00	0.00
13,400.0	90.00	267.62	7,790.0	-65.5	-5,543.1	5,543.0	0.00	0.00	0.00
13,500.0	90.00	267.62	7,790.0	-69.7	-5,643.0	5,642.9	0.00	0.00	0.00
13,600.0	90.00	267.62	7,790.0	-73.8	-5,742.9	5,742.9	0.00	0.00	0.00
13,700.0	90.00	267.62	7,790.0	-78.0	-5,842.8	5,842.9	0.00	0.00	0.00
13,800.0	90.00	267.62	7,790.0	-82.1	-5,942.7	5,942.9	0.00	0.00	0.00
13,900.0	90.00	267.62	7,790.0	-86.3	-6,042.6	6,042.9	0.00	0.00	0.00
14,000.0	90.00	267.62	7,790.0	-90.5	-6,142.6	6,142.9	0.00	0.00	0.00
14,100.0	90.00	267.62	7,790.0	-94.6	-6,242.5	6,242.9	0.00	0.00	0.00
14,200.0	90.00	267.62	7,790.0	-98.8	-6,342.4	6,342.8	0.00	0.00	0.00
14,300.0	90.00	267.62	7,790.0	-102.9	-6,442.3	6,442.8	0.00	0.00	0.00
14,400.0	90.00	267.62	7,790.0	-107.1	-6,542.2	6,542.8	0.00	0.00	0.00
14,500.0	90.00	267.62	7,790.0	-111.2	-6,642.1	6,642.8	0.00	0.00	0.00
14,600.0	90.00	267.62	7,790.0	-115.4	-6,742.0	6,742.8	0.00	0.00	0.00
14,700.0	90.00	267.62	7,790.0	-119.5	-6,842.0	6,842.8	0.00	0.00	0.00
14,800.0	90.00	267.62	7,790.0	-123.7	-6,941.9	6,942.8	0.00	0.00	0.00
14,900.0	90.00	267.62	7,790.0	-127.9	-7,041.8	7,042.8	0.00	0.00	0.00
15,000.0	90.00	267.62	7,790.0	-132.0	-7,141.7	7,142.7	0.00	0.00	0.00
15,100.0	90.00	267.62	7,790.0	-136.2	-7,241.6	7,242.7	0.00	0.00	0.00
15,200.0	90.00	267.62	7,790.0	-140.3	-7,341.5	7,342.7	0.00	0.00	0.00
15,300.0	90.00	267.62	7,790.0	-144.5	-7,441.4	7,442.7	0.00	0.00	0.00
15,400.0	90.00	267.62	7,790.0	-148.6	-7,541.4	7,542.7	0.00	0.00	0.00
15,500.0	90.00	267.62	7,790.0	-152.8	-7,641.3	7,642.7	0.00	0.00	0.00
15,600.0	90.00	267.62	7,790.0	-156.9	-7,741.2	7,742.7	0.00	0.00	0.00
15,700.0	90.00	267.62	7,790.0	-161.1	-7,841.1	7,842.7	0.00	0.00	0.00
15,800.0	90.00	267.62	7,790.0	-165.3	-7,941.0	7,942.6	0.00	0.00	0.00
15,900.0	90.00	267.62	7,790.0	-169.4	-8,040.9	8,042.6	0.00	0.00	0.00
16,000.0	90.00	267.62	7,790.0	-173.6	-8,140.8	8,142.6	0.00	0.00	0.00
16,100.0	90.00	267.62	7,790.0	-177.7	-8,240.7	8,242.6	0.00	0.00	0.00
16,200.0	90.00	267.62	7,790.0	-181.9	-8,340.7	8,342.6	0.00	0.00	0.00
16,300.0	90.00	267.62	7,790.0	-186.0	-8,440.6	8,442.6	0.00	0.00	0.00
16,400.0	90.00	267.62	7,790.0	-190.2	-8,540.5	8,542.6	0.00	0.00	0.00
16,500.0	90.00	267.62	7,790.0	-194.3	-8,640.4	8,642.5	0.00	0.00	0.00
16,600.0	90.00	267.62	7,790.0	-198.5	-8,740.3	8,742.5	0.00	0.00	0.00
16,700.0	90.00	267.62	7,790.0	-202.7	-8,840.2	8,842.5	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #123H	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)	
16,800.0	90.00	267.62	7,790.0	-206.8	-8,940.1	8,942.5	0.00	0.00	0.00	
16,900.0	90.00	267.62	7,790.0	-211.0	-9,040.1	9,042.5	0.00	0.00	0.00	
17,000.0	90.00	267.62	7,790.0	-215.1	-9,140.0	9,142.5	0.00	0.00	0.00	
17,100.0	90.00	267.62	7,790.0	-219.3	-9,239.9	9,242.5	0.00	0.00	0.00	
17,200.0	90.00	267.62	7,790.0	-223.4	-9,339.8	9,342.5	0.00	0.00	0.00	
17,300.0	90.00	267.62	7,790.0	-227.6	-9,439.7	9,442.4	0.00	0.00	0.00	
17,400.0	90.00	267.62	7,790.0	-231.7	-9,539.6	9,542.4	0.00	0.00	0.00	
17,500.0	90.00	267.62	7,790.0	-235.9	-9,639.5	9,642.4	0.00	0.00	0.00	
17,600.0	90.00	267.62	7,790.0	-240.1	-9,739.5	9,742.4	0.00	0.00	0.00	
17,700.0	90.00	267.62	7,790.0	-244.2	-9,839.4	9,842.4	0.00	0.00	0.00	
17,800.0	90.00	267.62	7,790.0	-248.4	-9,939.3	9,942.4	0.00	0.00	0.00	
17,900.0	90.00	267.62	7,790.0	-252.5	-10,039.2	10,042.4	0.00	0.00	0.00	
18,000.0	90.00	267.62	7,790.0	-256.7	-10,139.1	10,142.4	0.00	0.00	0.00	
18,079.9	90.00	267.62	7,790.0	-260.0	-10,219.0	10,222.3	0.00	0.00	0.00	
TD at 18079.9 - BHL - David Edelstein #123H										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
VP - David Edelstein #1: - plan hits target center - Point	0.00	0.01	7,217.0	-14.0	280.0	447,566.00	561,275.00	32° 13' 49.154 N	104° 8' 6.619 W
BHL - David Edelstein #: - plan hits target center - Point	0.00	0.00	7,790.0	-260.0	-10,219.0	447,320.00	550,776.00	32° 13' 46.895 N	104° 10' 8.855 W
FTP - David Edelstein #: - plan misses target center by 203.6usft at 7704.9usft MD (7636.3 TVD, 17.9 N, 100.3 E) - Point	0.00	0.00	7,790.0	-14.0	230.0	447,566.00	561,225.00	32° 13' 49.155 N	104° 8' 7.201 W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
760.0	760.0	Castile		0.00	267.62	
2,445.5	2,436.6	G30:CS14-CSB		0.00	267.62	
2,454.1	2,445.1	G26: Bell Cyn.		0.00	267.62	
3,271.8	3,255.1	G13: Cherry Cyn.		0.00	267.62	
4,340.1	4,322.6	G7: Brushy Cyn.		0.00	267.62	
5,930.4	5,913.0	G4: BSGL (CS9)		0.00	267.62	
6,614.7	6,597.3	L5.3: FBSC		0.00	267.62	
6,922.3	6,904.8	L5.1: FBSG		0.00	267.62	
6,923.7	6,906.3	L5.1: FBSG		0.00	267.62	
7,195.4	7,178.0	L4.3: SBSC		0.00	267.62	
7,670.3	7,612.0	L4.1: SBSG		0.00	267.62	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #123H
Company:	Matador Production Company	TVD Reference:	KB @ 3117.5usft
Project:	Rustler Breaks	MD Reference:	KB @ 3117.5usft
Site:	David Edelstein	North Reference:	Grid
Well:	David Edelstein State Com #123H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,000.0	1,000.0	0.0	0.0	Start Build 1.00	
1,800.0	1,797.4	-2.8	55.7	Start 1346.9 hold at 1800.0 MD	
3,146.9	3,131.2	-12.1	242.9	Start Drop -1.50	
3,680.2	3,662.8	-14.0	280.0	Start 3554.2 hold at 3680.2 MD	
7,234.4	7,217.0	-14.0	280.0	Start Build 10.00	
8,134.4	7,790.0	86.0	-284.1	Start DLS 2.00 TFO -90.00	
8,756.0	7,790.0	127.5	-903.1	Start 9323.9 hold at 8756.0 MD	
18,079.9	7,790.0	-260.0	-10,219.0	TD at 18079.9	

Addendum to Natural Gas Management Plan for Matador's

David Edelstein State Com 123H and 113H

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
David Edelstein State Com 113H	1,100	3,500	4,500
David Edelstein State Com 123H	1,100	2,500	3,600

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

Submit Electronically
Via E-permitting

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
David Edelstein State Com 113H	TBD	12-24S-27E	1,996' FSL 300' FEL	1,100	3,500	4,500
David Edelstein State Com 123H	TBD	12-24S-27E	1,996' FSL 330' FEL	1,100	2,500	3,600

IV. Central Delivery Point Name: Rustler Breaks 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
David Edelstein State Com 113H	TBD	11/06/2023	11/23/2023	11/06/2023	12/06/2023	12/06/2023
David Edelstein State Com 123H	TBD	10/21/2023	11/05/2023	11/06/2023	12/06/2023	12/06/2023

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: 
Printed Name: Klint Franz
Title: Production Engineer
E-mail Address: klint.franz@matadorresources.com
Date: 11/13/2022
Phone: (972) 371-5200
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval: