

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 350553

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 30-015-54238
4. Property Code 320766	5. Property Name DAVID EDELSTEIN STATE COM	6. Well No. 124H

7. Surface Location

UL - Lot I	Section 12	Township 24S	Range 27E	Lot Idn	Feet From 1966	N/S Line S	Feet From 330	E/W Line E	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot M	Section 11	Township 24S	Range 27E	Lot Idn M	Feet From 660	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 Private	15. Ground Level Elevation 3089
16. Multiple N	17. Proposed Depth 18154	18. Formation Bone Spring	19. Contractor	20. Spud Date 10/15/2023
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	9.875	7.625	29.7	7204	910	0
Prod	6.75	5.5	20	18154	1050	7004

Casing/Cement Program: Additional Comments

Matador requests the option to run a DV tool and packer

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: 9/22/2023	Expiration Date: 9/22/2025
Date: 9/20/2023	Phone: 972-629-2160	Conditions of Approval Attached

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

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

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-54238	² Pool Code 96415	³ Pool Name Willow Lake; Bone Springs, West
⁴ Property Code 320766	⁵ Property Name DAVID EDELSTEIN STATE COM	
⁷ GRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3089'

¹⁰Surface Location

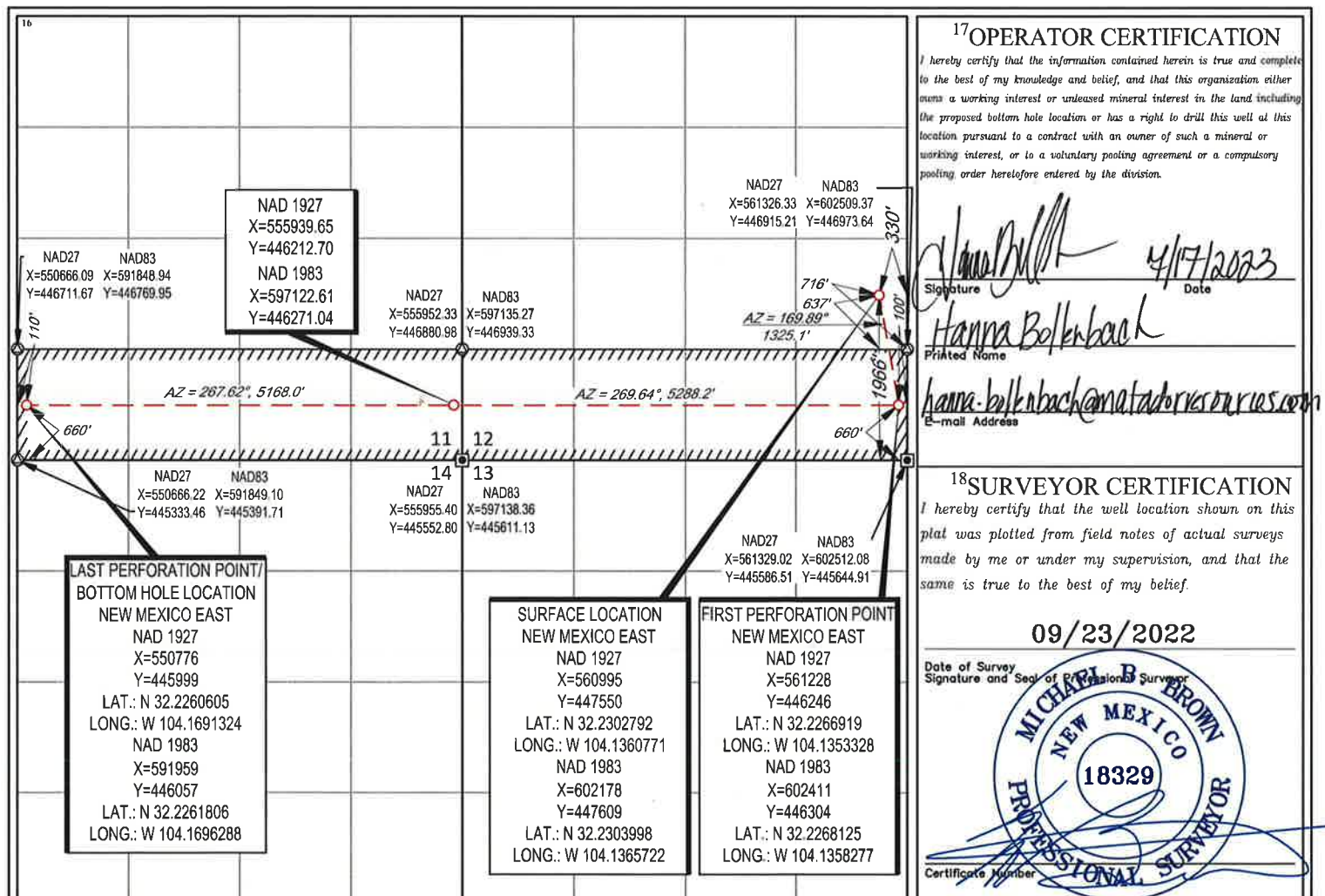
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	12	24-S	27-E	-	1966'	SOUTH	330'	EAST	EDDY

¹¹Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	11	24-S	27-E	-	660'	SOUTH	110'	WEST	EDDY

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



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1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 350553

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-015-54238
	Well: DAVID EDELSTEIN STATE COM #124H

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description

Effective May 25, 2021

I. Operator: Matador Production Company **OGRID:** 228937 **Date:** 07/20/2023

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 134H	TBD	I 12-24S-27E	1,886' FSL 330' FEL	1,950	3,900	1,125
David Edelstein 114H	TBD	I 12-24S-27E	1,966' FSL 330' FEL	1,425	4,950	4,500
David Edelstein 124H	TBD	I 12-24S-27E	1,966' FSL 300' FEL	1,388	2,888	4,500

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 134H	TBD	11/04/2023	11/19/2023	02/01/2024	03/01/2024	03/01/2024
David Edelstein 114H	TBD	11/20/2023	12/07/2023	02/01/2024	03/01/2024	03/01/2024
David Edelstein 124H	TBD	12/12/2023	12/27/2023	02/01/2024	03/01/2024	03/01/2024

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: Omar Enriquez	Digitally signed by Omar Enriquez DN: cn=Omar Enriquez, o=OGA c=US, email=oenriquez@matadorresources.com, c=US Date: 2023.07.20 14:51:40-0500
Printed Name: Omar Enriquez	
Title: Sr. Staff Facilities Engineer	
E-mail Address: oenriquez@matadorresources.com	
Date: 07/20/2023	
Phone: (972)-587-4638	
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)	
Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

Addendum to Natural Gas Management Plan for Matador's

Rustler Breaks Fed TB

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 134H	1,950	3,900	1,125
David Edelstein 114H	1,425	4,950	4,500
David Edelstein 124H	1,388	2,888	4,500

VII. Operation Practices

Although not a complete recitation of all our efforts to comply with subsection A through F of 19.15.27.8 NMAC, a summary is as follows. 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

Matador Production Company

Rustler Breaks

David Edelstein

David Edelstein State Com #124H

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 #124H
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 #124H	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	18,154.3	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	140.2			
David Edelstein #203H - Wellbore #1 - Actual	300.0	299.1	140.6	139.1	93.725 ES	
David Edelstein #203H - Wellbore #1 - Actual	18,100.0	19,425.0	2,176.7	1,763.1	5.263 SF	
David Edelstein #223 - OH - Actual	616.9	619.0	104.1	100.2	26.644 CC, ES	
David Edelstein #223 - OH - Actual	18,100.0	20,424.0	2,624.0	2,185.1	5.979 SF	
David Edelstein State Com #113H - Wellbore #1 - State P	500.0	500.0	42.4	39.3	13.582 CC	
David Edelstein State Com #113H - Wellbore #1 - State P	600.0	600.0	42.9	39.0	11.208 ES	
David Edelstein State Com #113H - Wellbore #1 - State P	18,154.3	17,292.9	1,310.8	895.0	3.153 SF	
David Edelstein State Com #114H - Wellbore #1 - State P	1,691.0	1,689.7	21.0	9.0	1.755 CC	
David Edelstein State Com #114H - Wellbore #1 - State P	1,700.0	1,698.7	21.0	9.0	1.746 ES	
David Edelstein State Com #114H - Wellbore #1 - State P	1,800.0	1,798.4	21.9	9.2	1.727 SF	
David Edelstein State Com #123H - Wellbore #1 - State	500.0	500.0	30.0	26.9	9.604 CC, ES	
David Edelstein State Com #123H - Wellbore #1 - State	18,154.3	18,080.6	1,321.0	812.9	2.600 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							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	0.26	140.2	0.6	140.2						
100.0	100.0	100.0	100.0	0.1	0.2	0.29	140.2	0.7	140.2	139.9	0.28	497.061			
200.0	200.0	200.0	200.0	0.5	0.3	0.40	140.2	1.0	140.2	139.4	0.79	176.515			
300.0	300.0	299.1	299.1	0.8	0.7	0.50	140.6	1.2	140.6	139.1	1.50	93.725 ES			
400.0	400.0	398.3	398.3	1.2	1.0	0.54	141.5	1.3	141.5	139.3	2.21	64.045			
500.0	500.0	498.5	498.5	1.6	1.4	0.51	142.6	1.3	142.6	139.7	2.92	48.837			
600.0	600.0	598.9	598.9	1.9	1.7	-163.87	143.5	1.2	144.4	140.8	3.62	39.889			
700.0	700.0	699.3	699.3	2.2	2.1	-164.10	144.1	1.3	147.5	143.2	4.31	34.217			
800.0	799.9	797.8	797.8	2.6	2.4	-164.17	145.1	2.3	152.6	147.6	5.01	30.496			
900.0	899.7	896.6	896.5	2.9	2.8	-163.94	146.8	4.5	160.3	154.6	5.71	28.088			
1,000.0	999.4	996.5	996.4	3.3	3.1	-163.62	148.6	7.6	169.6	163.2	6.41	26.453			
1,100.0	1,098.9	1,095.6	1,095.4	3.7	3.5	-163.29	150.3	11.2	180.6	173.4	7.12	25.354			
1,200.0	1,198.3	1,192.8	1,192.4	4.0	3.8	-162.73	152.6	16.1	193.9	186.0	7.83	24.765			
1,300.0	1,297.4	1,290.7	1,290.1	4.4	4.2	-162.00	155.8	22.5	209.7	201.1	8.54	24.554			
1,400.0	1,396.3	1,390.2	1,389.4	4.8	4.6	-161.66	158.8	28.3	227.0	217.7	9.26	24.503			

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 #124H
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 #124H	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		
1,506.8	1,501.6	1,496.1	1,495.1	5.2	5.0	-161.73	161.6	33.3	246.8	236.7	10.04	24.584		
1,600.0	1,593.4	1,588.5	1,587.4	5.6	5.3	-161.96	163.7	37.4	264.5	253.8	10.71	24.691		
1,700.0	1,691.9	1,686.9	1,685.7	6.1	5.6	-162.15	165.7	41.9	283.3	271.9	11.44	24.772		
1,800.0	1,790.3	1,785.0	1,783.5	6.5	6.0	-162.07	167.7	47.6	302.2	290.0	12.16	24.845		
1,900.0	1,888.8	1,885.3	1,883.6	6.9	6.4	-161.83	169.5	54.5	320.8	307.9	12.90	24.862		
2,000.0	1,987.2	1,986.8	1,984.9	7.4	6.7	-161.59	170.4	61.4	338.6	324.9	13.65	24.797		
2,100.0	2,085.7	2,082.7	2,080.5	7.8	7.1	-161.34	171.0	68.3	356.1	341.7	14.38	24.769		
2,200.0	2,184.2	2,177.4	2,174.9	8.2	7.5	-160.96	172.5	76.0	374.6	359.5	15.10	24.815		
2,300.0	2,282.6	2,273.0	2,270.2	8.7	7.8	-160.59	174.7	84.1	393.9	378.1	15.82	24.897		
2,400.0	2,381.1	2,368.6	2,365.4	9.1	8.2	-160.38	177.6	91.3	413.9	397.3	16.55	25.010		
2,500.0	2,479.5	2,469.5	2,466.0	9.6	8.5	-160.28	180.7	98.2	433.8	416.5	17.31	25.066		
2,600.0	2,578.0	2,569.2	2,565.6	10.0	8.9	-160.30	183.3	104.1	453.2	435.1	18.05	25.101		
2,700.0	2,676.5	2,667.9	2,664.0	10.5	9.3	-160.36	185.6	109.6	472.3	453.5	18.79	25.131		
2,800.0	2,774.9	2,766.7	2,762.7	10.9	9.6	-160.41	187.8	115.1	491.3	471.8	19.54	25.151		
2,900.0	2,873.4	2,858.4	2,854.2	11.4	10.0	-160.43	190.4	120.5	511.0	490.8	20.23	25.258		
3,000.0	2,971.8	2,951.5	2,947.0	11.8	10.3	-160.44	194.1	126.1	531.7	510.8	20.94	25.399		
3,100.0	3,070.3	3,049.8	3,045.1	12.3	10.7	-160.43	198.3	132.2	552.8	531.1	21.68	25.499		
3,200.0	3,168.8	3,148.2	3,143.1	12.7	11.1	-160.42	202.3	138.3	573.7	551.3	22.42	25.589		
3,300.0	3,267.2	3,246.3	3,241.0	13.2	11.4	-160.43	206.3	144.2	594.6	571.4	23.16	25.671		
3,400.0	3,365.7	3,344.0	3,338.5	13.6	11.8	-160.48	210.3	149.6	615.4	591.5	23.90	25.751		
3,500.0	3,464.1	3,440.6	3,434.8	14.1	12.2	-160.53	214.4	155.0	636.4	611.7	24.63	25.840		
3,600.0	3,562.6	3,537.4	3,531.5	14.5	12.5	-160.58	218.6	160.4	657.5	632.1	25.36	25.929		
3,700.0	3,661.1	3,634.7	3,628.5	15.0	12.9	-160.65	222.9	165.5	678.7	652.6	26.09	26.015		
3,800.0	3,759.5	3,734.1	3,727.6	15.4	13.2	-160.74	227.4	170.4	699.9	673.1	26.84	26.080		
3,900.0	3,858.0	3,836.1	3,829.4	15.9	13.6	-160.79	231.4	175.9	720.6	693.0	27.60	26.107		
4,000.0	3,956.4	3,936.0	3,929.1	16.3	14.0	-160.80	234.9	181.7	740.9	712.5	28.36	26.127		
4,100.0	4,054.9	4,034.5	4,027.4	16.8	14.4	-160.79	238.2	187.7	761.0	731.9	29.10	26.149		
4,200.0	4,153.4	4,131.9	4,124.5	17.3	14.7	-160.78	241.4	193.6	781.1	751.3	29.84	26.177		
4,300.0	4,251.8	4,228.7	4,221.1	17.7	15.1	-160.79	244.8	199.2	801.4	770.8	30.57	26.212		
4,400.0	4,350.3	4,328.0	4,320.2	18.2	15.5	-160.82	248.2	204.7	821.6	790.3	31.32	26.232		
4,500.0	4,448.7	4,428.0	4,420.0	18.6	15.8	-160.87	251.5	209.9	841.7	809.6	32.07	26.241		
4,600.0	4,547.2	4,523.8	4,515.6	19.1	16.2	-160.92	254.6	214.8	861.7	828.9	32.80	26.272		
4,700.0	4,645.7	4,619.1	4,610.7	19.5	16.5	-160.96	258.0	219.9	882.0	848.5	33.52	26.313		
4,800.0	4,744.1	4,719.8	4,711.1	20.0	16.9	-160.95	261.5	226.0	902.3	868.0	34.28	26.320		
4,900.0	4,842.6	4,820.8	4,811.9	20.4	17.3	-160.88	264.7	233.1	922.3	887.2	35.05	26.315		
5,000.0	4,941.0	4,920.1	4,910.9	20.9	17.7	-160.79	267.5	240.4	942.0	906.2	35.81	26.309		
5,100.0	5,039.5	5,019.4	5,009.9	21.4	18.0	-160.71	270.2	247.6	961.7	925.1	36.56	26.301		
5,200.0	5,138.0	5,117.8	5,108.0	21.8	18.4	-160.65	272.9	254.4	981.2	943.9	37.31	26.296		
5,300.0	5,236.4	5,216.5	5,206.5	22.3	18.8	-160.62	275.5	260.8	1,000.7	962.6	38.06	26.290		
5,400.0	5,334.9	5,315.8	5,305.5	22.7	19.1	-160.60	278.1	267.0	1,020.1	981.3	38.82	26.280		
5,500.0	5,433.3	5,417.8	5,407.4	23.2	19.5	-160.60	280.5	273.0	1,039.4	999.8	39.59	26.255		
5,600.0	5,531.8	5,523.7	5,513.1	23.6	19.9	-160.65	282.5	278.4	1,058.0	1,017.6	40.38	26.203		
5,700.0	5,630.3	5,623.0	5,612.2	24.1	20.3	-160.75	283.8	282.5	1,076.1	1,035.0	41.12	26.172		
5,800.0	5,728.7	5,718.7	5,708.0	24.5	20.6	-160.91	285.4	285.1	1,094.4	1,052.6	41.83	26.163		
5,900.0	5,827.2	5,822.6	5,811.8	25.0	21.0	-161.18	287.2	285.9	1,112.7	1,070.1	42.58	26.133		
6,000.0	5,925.6	5,922.1	5,911.3	25.5	21.3	-161.54	288.5	284.5	1,130.5	1,087.2	43.28	26.123		
6,100.0	6,024.1	6,023.9	6,013.0	25.9	21.6	-161.94	289.8	282.4	1,148.3	1,104.3	43.98	26.108		
6,200.0	6,122.6	6,125.8	6,114.9	26.4	22.0	-162.36	290.7	279.6	1,165.7	1,121.1	44.68	26.090		
6,300.0	6,221.0	6,235.7	6,224.8	26.8	22.3	-162.76	290.8	277.1	1,182.5	1,137.1	45.42	26.032		
6,400.0	6,319.5	6,333.4	6,322.4	27.3	22.6	-163.03	290.6	276.6	1,199.0	1,152.9	46.11	26.004		
6,500.0	6,417.9	6,436.0	6,425.1	27.7	23.0	-163.24	290.1	277.6	1,215.3	1,168.5	46.84	25.947		
6,600.0	6,516.4	6,536.5	6,525.6	28.2	23.3	-163.39	289.4	279.4	1,231.4	1,183.8	47.57	25.887		

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 #124H
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 #124H	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		
6,633.4	6,549.3	6,569.5	6,558.6	28.4	23.4	-163.45	289.1	279.9	1,236.7	1,188.9	47.81	25.869		
6,700.0	6,615.0	6,633.4	6,622.5	28.7	23.6	-163.60	288.7	280.6	1,246.9	1,198.6	48.27	25.831		
6,800.0	6,713.9	6,732.2	6,721.3	29.1	24.0	-163.80	288.2	281.4	1,260.3	1,211.3	48.98	25.732		
6,900.0	6,813.2	6,829.2	6,818.2	29.5	24.3	-163.97	287.6	281.8	1,271.1	1,221.4	49.67	25.593		
7,000.0	6,912.8	6,929.3	6,918.3	29.9	24.7	-164.10	287.3	282.4	1,279.8	1,229.4	50.37	25.407		
7,100.0	7,012.5	7,037.9	7,027.0	30.2	25.0	-164.15	286.5	283.8	1,285.4	1,234.3	51.12	25.145		
7,200.0	7,112.5	7,136.3	7,125.3	30.6	25.4	-164.15	285.4	285.0	1,288.2	1,236.4	51.80	24.867		
7,304.6	7,217.0	7,229.6	7,218.7	30.9	25.7	0.11	284.8	285.5	1,288.9	1,236.5	52.44	24.579		
7,307.7	7,220.1	7,232.4	7,221.4	30.9	25.7	100.61	284.8	285.5	1,288.9	1,236.4	52.46	24.570		
7,350.0	7,262.4	7,276.0	7,265.0	31.0	25.8	100.67	284.8	285.7	1,289.2	1,236.5	52.74	24.443		
7,400.0	7,312.0	7,331.1	7,320.1	31.1	26.0	100.88	284.5	285.8	1,290.2	1,237.1	53.10	24.297		
7,450.0	7,360.9	7,387.9	7,376.9	31.3	26.2	101.24	284.0	285.9	1,291.7	1,238.3	53.45	24.165		
7,500.0	7,408.7	7,443.9	7,432.9	31.4	26.4	101.74	283.1	285.8	1,294.0	1,240.2	53.80	24.051		
7,550.0	7,455.0	7,474.9	7,463.9	31.5	26.5	101.90	282.8	285.6	1,297.5	1,243.5	54.02	24.018		
7,600.0	7,499.5	7,508.8	7,497.8	31.6	26.6	102.05	282.8	285.4	1,302.6	1,248.4	54.25	24.010		
7,650.0	7,541.9	7,550.4	7,539.4	31.7	26.8	102.34	282.9	285.1	1,309.4	1,254.8	54.53	24.012		
7,700.0	7,581.8	7,599.9	7,588.9	31.8	26.9	102.81	282.9	284.6	1,317.4	1,262.5	54.85	24.017		
7,750.0	7,618.9	7,637.2	7,626.1	31.9	27.0	102.93	282.7	284.2	1,326.8	1,271.7	55.12	24.073		
7,800.0	7,653.0	7,664.7	7,653.7	32.0	27.1	102.65	282.6	284.0	1,338.2	1,282.9	55.34	24.181		
7,850.0	7,683.7	7,689.2	7,678.2	32.1	27.2	102.12	282.7	284.0	1,351.6	1,296.1	55.56	24.327		
7,900.0	7,710.9	7,713.0	7,702.0	32.2	27.3	101.39	282.8	284.1	1,367.2	1,311.4	55.79	24.506		
7,950.0	7,734.3	7,732.7	7,721.7	32.2	27.4	100.32	282.9	284.3	1,384.7	1,328.7	56.01	24.723		
8,000.0	7,753.8	7,751.6	7,740.6	32.3	27.4	98.99	283.1	284.4	1,404.2	1,348.0	56.24	24.968		
8,050.0	7,769.2	7,766.4	7,755.4	32.4	27.5	97.28	283.2	284.5	1,425.6	1,369.1	56.46	25.251		
8,100.0	7,780.4	7,777.1	7,766.1	32.6	27.5	95.14	283.3	284.6	1,448.8	1,392.1	56.66	25.569		
8,150.0	7,787.4	7,783.6	7,772.6	32.7	27.5	92.58	283.3	284.6	1,473.6	1,416.7	56.85	25.921		
8,204.6	7,790.0	7,785.8	7,774.8	32.9	27.5	89.31	283.4	284.6	1,502.2	1,445.2	57.03	26.341		
8,300.0	7,790.0	7,785.1	7,774.1	33.5	27.5	89.30	283.4	284.6	1,554.4	1,497.1	57.34	27.109		
8,400.0	7,790.0	7,784.3	7,773.3	34.2	27.5	89.28	283.4	284.6	1,610.6	1,552.9	57.69	27.916		
8,500.0	7,790.0	7,783.6	7,772.6	35.2	27.5	89.27	283.3	284.6	1,668.1	1,610.0	58.07	28.724		
8,600.0	7,790.0	7,783.0	7,772.0	36.3	27.5	89.26	283.3	284.6	1,726.8	1,668.3	58.47	29.531		
8,610.4	7,790.0	7,782.9	7,771.9	36.4	27.5	89.26	283.3	284.6	1,732.9	1,674.4	58.51	29.615		
8,700.0	7,790.0	7,782.3	7,771.3	37.6	27.5	89.23	283.3	284.6	1,787.5	1,728.6	58.88	30.360		
8,800.0	7,790.0	7,781.7	7,770.6	39.0	27.5	89.21	283.3	284.6	1,851.6	1,792.3	59.27	31.239		
8,900.0	7,790.0	7,781.0	7,770.0	40.5	27.5	89.18	283.3	284.6	1,918.8	1,859.1	59.65	32.167		
9,000.0	7,790.0	7,780.3	7,769.3	42.1	27.5	89.15	283.3	284.6	1,988.7	1,928.7	60.01	33.139		
9,100.0	7,790.0	7,779.7	7,768.7	43.8	27.5	89.13	283.3	284.6	2,061.1	2,000.8	60.35	34.152		
9,200.0	7,790.0	10,599.1	9,287.5	45.6	47.4	136.16	260.0	-1,290.1	2,076.7	2,007.1	69.56	29.852		
9,300.0	7,790.0	10,704.1	9,286.9	47.4	49.3	136.08	259.3	-1,395.1	2,078.6	2,006.2	72.41	28.707		
9,400.0	7,790.0	10,837.5	9,282.8	49.3	51.8	135.90	258.8	-1,528.4	2,078.8	2,002.9	75.93	27.379		
9,500.0	7,790.0	10,918.9	9,277.7	51.3	53.3	135.67	261.8	-1,609.5	2,079.7	2,001.0	78.69	26.430		
9,600.0	7,790.0	11,027.7	9,268.1	53.3	55.5	135.28	267.9	-1,717.8	2,080.3	1,998.1	82.18	25.313		
9,700.0	7,790.0	11,083.0	9,264.2	55.3	56.6	135.11	270.4	-1,772.9	2,081.7	1,997.2	84.53	24.626		
9,800.0	7,790.0	11,139.4	9,261.9	57.3	57.7	134.97	272.9	-1,829.2	2,085.2	1,998.3	86.90	23.997		
9,900.0	7,790.0	11,252.5	9,261.8	59.4	60.0	134.79	277.8	-1,942.2	2,091.3	2,000.9	90.43	23.126		
10,000.0	7,790.0	11,403.3	9,255.2	61.5	63.1	134.47	281.4	-2,092.7	2,092.2	1,997.2	94.93	22.039		
10,100.0	7,790.0	11,458.0	9,253.9	63.7	64.3	134.36	283.3	-2,147.4	2,095.6	1,998.2	97.34	21.528		
10,200.0	7,790.0	10,200.0	9,254.4	65.8	37.3	134.22	285.4	-2,284.3	2,100.3	2,021.3	79.00	26.585		
10,300.0	7,790.0	11,778.6	9,247.0	68.0	71.2	133.95	284.3	-2,467.7	2,099.6	1,992.9	106.71	19.675		
10,400.0	7,790.0	11,878.2	9,243.3	70.2	73.3	133.85	282.0	-2,567.3	2,098.3	1,988.1	110.16	19.048		
10,500.0	7,790.0	11,973.5	9,238.9	72.4	75.4	133.73	279.7	-2,662.4	2,096.4	1,982.8	113.57	18.459		
10,600.0	7,790.0	12,046.4	9,236.1	74.6	77.0	133.63	278.8	-2,735.3	2,095.8	1,979.3	116.53	17.985		

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 #124H
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 #124H	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		
10,700.0	7,790.0	12,170.1	9,233.9	76.9	79.8	133.56	275.3	-2,858.9	2,095.6	1,975.1	120.49	17.392		
10,800.0	7,790.0	12,280.6	9,230.1	79.1	82.3	133.47	271.5	-2,969.3	2,093.8	1,969.5	124.24	16.853		
10,900.0	7,790.0	12,419.9	9,225.2	81.4	85.4	133.37	265.7	-3,108.3	2,091.4	1,962.8	128.56	16.268		
11,000.0	7,790.0	12,519.2	9,222.3	83.7	87.6	133.35	259.7	-3,207.4	2,088.0	1,955.9	132.02	15.815		
11,100.0	7,790.0	12,635.4	9,217.3	85.9	90.3	133.28	252.9	-3,323.2	2,083.8	1,947.9	135.88	15.335		
11,200.0	7,790.0	12,800.8	9,207.7	88.2	94.0	133.16	242.3	-3,488.0	2,078.3	1,937.6	140.71	14.770		
11,300.0	7,790.0	12,860.2	9,203.0	90.5	95.4	133.08	239.0	-3,547.1	2,071.8	1,928.2	143.64	14.424		
11,400.0	7,790.0	12,909.0	9,199.8	92.8	96.5	133.02	237.0	-3,595.8	2,067.5	1,921.2	146.33	14.129		
11,500.0	7,790.0	12,972.0	9,197.7	95.2	97.9	132.96	235.4	-3,658.7	2,066.0	1,916.8	149.23	13.845		
11,600.0	7,790.0	13,079.4	9,197.4	97.5	100.4	132.95	230.6	-3,766.0	2,065.7	1,912.8	152.91	13.509		
11,700.0	7,790.0	13,204.9	9,197.6	99.8	103.3	133.03	221.5	-3,891.2	2,063.6	1,906.8	156.78	13.162		
11,800.0	7,790.0	13,305.9	9,194.2	102.1	105.6	132.98	216.2	-3,992.0	2,060.5	1,900.0	160.44	12.842		
11,900.0	7,790.0	13,383.3	9,191.8	104.5	107.4	132.94	212.7	-4,069.3	2,058.1	1,894.4	163.64	12.576		
12,000.0	7,790.0	13,446.0	9,191.4	106.8	108.9	132.94	209.5	-4,131.9	2,057.0	1,890.6	166.42	12.360		
12,015.7	7,790.0	13,461.7	9,191.5	107.2	109.2	132.95	208.7	-4,147.5	2,057.0	1,890.0	166.97	12.319		
12,100.0	7,790.0	13,508.7	9,192.0	109.2	110.3	132.96	206.8	-4,194.6	2,057.8	1,888.6	169.14	12.166		
12,200.0	7,790.0	13,578.3	9,193.1	111.5	112.0	132.95	205.7	-4,264.1	2,060.5	1,888.5	172.04	11.977		
12,300.0	7,790.0	13,684.7	9,193.5	113.9	114.5	132.87	205.8	-4,370.5	2,064.0	1,888.0	175.94	11.731		
12,400.0	7,790.0	13,808.4	9,191.5	116.2	117.4	132.72	206.4	-4,494.1	2,066.3	1,885.9	180.43	11.452		
12,500.0	7,790.0	13,863.2	9,188.4	118.6	118.7	132.57	209.0	-4,548.8	2,069.0	1,885.7	183.33	11.286		
12,600.0	7,790.0	13,909.0	9,186.9	120.9	119.7	132.45	211.8	-4,594.5	2,074.4	1,888.6	185.84	11.163		
12,700.0	7,790.0	13,972.1	9,186.7	123.3	121.2	132.32	215.8	-4,657.5	2,082.1	1,893.3	188.76	11.030		
12,800.0	7,790.0	14,054.7	9,188.2	125.7	123.2	132.18	221.3	-4,739.8	2,091.1	1,898.9	192.24	10.878		
12,900.0	7,790.0	14,212.2	9,182.7	128.0	126.9	131.68	236.3	-4,896.5	2,099.0	1,900.3	198.75	10.561		
13,000.0	7,790.0	14,284.0	9,179.4	130.4	128.6	131.43	243.2	-4,967.9	2,106.3	1,904.0	202.27	10.413		
13,100.0	7,790.0	14,345.9	9,177.6	132.8	130.1	131.24	249.5	-5,029.5	2,115.2	1,909.8	205.36	10.300		
13,200.0	7,790.0	14,608.8	9,183.1	135.2	136.3	131.00	258.0	-5,291.7	2,123.8	1,909.9	213.97	9.926		
13,300.0	7,790.0	14,937.6	9,185.4	137.6	144.0	131.30	230.0	-5,619.1	2,122.1	1,901.2	220.96	9.604		
13,400.0	7,790.0	15,000.0	9,187.0	139.9	145.5	131.48	219.4	-5,680.5	2,114.2	1,890.5	223.64	9.453		
13,500.0	7,790.0	15,064.1	9,189.1	142.3	147.0	131.65	209.9	-5,743.9	2,108.3	1,881.9	226.31	9.316		
13,600.0	7,790.0	15,153.5	9,186.7	144.7	149.1	131.67	202.4	-5,832.9	2,103.2	1,873.5	229.77	9.154		
13,700.0	7,790.0	15,230.0	9,181.1	147.1	150.9	131.54	199.8	-5,909.1	2,099.0	1,865.6	233.42	8.992		
13,800.0	7,790.0	15,299.7	9,175.7	149.5	152.5	131.40	198.8	-5,978.6	2,096.0	1,859.0	237.00	8.844		
13,900.0	7,790.0	15,376.0	9,170.6	151.9	154.4	131.24	198.7	-6,054.8	2,094.5	1,853.8	240.73	8.701		
13,999.6	7,790.0	15,454.9	9,165.3	154.3	156.2	131.06	199.5	-6,133.4	2,094.0	1,849.4	244.56	8.562		
14,000.0	7,790.0	15,455.2	9,165.3	154.3	156.3	131.06	199.5	-6,133.8	2,094.0	1,849.4	244.57	8.562		
14,100.0	7,790.0	15,528.6	9,161.1	156.7	158.0	130.89	200.7	-6,207.1	2,094.6	1,846.4	248.23	8.438		
14,200.0	7,790.0	15,595.2	9,159.5	159.1	159.6	130.80	201.1	-6,273.6	2,096.7	1,845.2	251.47	8.338		
14,300.0	7,790.0	15,746.9	9,159.8	161.5	163.2	130.74	198.5	-6,425.3	2,098.8	1,842.2	256.62	8.179		
14,400.0	7,790.0	15,911.4	9,159.7	163.9	167.2	130.78	189.1	-6,589.4	2,097.6	1,836.0	261.55	8.020		
14,500.0	7,790.0	16,030.5	9,154.1	166.3	170.0	130.67	184.3	-6,708.2	2,094.6	1,828.6	266.03	7.874		
14,600.0	7,790.0	16,142.0	9,148.0	168.7	172.7	130.55	179.1	-6,819.5	2,090.6	1,820.2	270.38	7.732		
14,700.0	7,790.0	16,224.3	9,145.7	171.1	174.6	130.54	173.5	-6,901.5	2,086.8	1,812.9	273.88	7.619		
14,800.0	7,790.0	16,291.8	9,144.1	173.5	176.3	130.53	169.7	-6,968.9	2,084.2	1,807.1	277.11	7.521		
14,884.9	7,790.0	16,341.2	9,143.0	175.5	177.4	130.49	168.1	-7,018.2	2,083.5	1,803.8	279.69	7.449		
14,900.0	7,790.0	16,349.9	9,142.8	175.9	177.7	130.49	167.9	-7,027.0	2,083.5	1,803.4	280.15	7.437		
15,000.0	7,790.0	16,448.8	9,140.0	178.3	180.0	130.37	167.0	-7,125.8	2,084.1	1,799.8	284.31	7.331		
15,100.0	7,790.0	16,525.2	9,137.7	180.7	181.9	130.28	166.5	-7,202.2	2,085.0	1,797.1	287.90	7.242		
15,200.0	7,790.0	16,637.4	9,135.5	183.1	184.6	130.15	166.1	-7,314.4	2,086.6	1,794.2	292.42	7.136		
15,300.0	7,790.0	16,754.0	9,130.9	185.5	187.4	129.98	165.8	-7,430.9	2,087.1	1,789.8	297.23	7.022		
15,400.0	7,790.0	16,850.9	9,127.1	188.0	189.7	129.84	165.1	-7,527.7	2,087.2	1,785.7	301.49	6.923		
15,500.0	7,790.0	16,923.5	9,126.3	190.4	191.5	129.79	163.7	-7,600.3	2,088.1	1,783.3	304.85	6.850		

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 #124H
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 #124H	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		
15,600.0	7,790.0	16,977.1	9,127.1	192.8	192.8	129.79	162.5	-7,653.9	2,090.8	1,783.3	307.50	6.799		
15,700.0	7,790.0	17,186.6	9,124.5	195.2	197.8	129.60	161.4	-7,863.3	2,093.6	1,779.0	314.60	6.655		
15,800.0	7,790.0	17,281.0	9,120.0	197.6	200.1	129.47	159.5	-7,957.5	2,092.3	1,773.4	318.82	6.563		
15,900.0	7,790.0	17,370.1	9,116.9	200.0	202.3	129.38	157.3	-8,046.5	2,091.4	1,768.6	322.80	6.479		
15,976.5	7,790.0	17,438.1	9,115.9	201.9	203.9	129.35	155.0	-8,114.5	2,091.1	1,765.4	325.68	6.421		
16,000.0	7,790.0	17,450.6	9,115.9	202.4	204.2	129.35	154.5	-8,126.9	2,091.1	1,764.7	326.35	6.407		
16,100.0	7,790.0	17,508.3	9,115.5	204.9	205.6	129.32	153.4	-8,184.7	2,092.4	1,763.1	329.33	6.354		
16,200.0	7,790.0	17,620.8	9,112.7	207.3	208.3	129.16	154.6	-8,297.2	2,095.0	1,760.8	334.12	6.270		
16,300.0	7,790.0	17,716.0	9,107.9	209.7	210.6	128.96	156.4	-8,392.2	2,096.5	1,757.8	338.67	6.190		
16,400.0	7,790.0	17,771.7	9,105.8	212.1	212.0	128.85	157.7	-8,447.9	2,099.4	1,757.6	341.81	6.142		
16,500.0	7,790.0	17,828.6	9,105.4	214.5	213.3	128.77	159.6	-8,504.7	2,104.7	1,759.9	344.73	6.105		
16,600.0	7,790.0	17,912.9	9,105.6	216.9	215.4	128.66	163.0	-8,589.0	2,111.2	1,762.6	348.58	6.057		
16,700.0	7,790.0	18,013.7	9,106.9	219.4	217.8	128.55	166.8	-8,689.6	2,118.2	1,765.2	352.94	6.001		
16,800.0	7,790.0	18,140.6	9,106.1	221.8	220.9	128.35	172.1	-8,816.4	2,124.4	1,765.9	358.51	5.926		
16,900.0	7,790.0	18,349.7	9,100.1	224.2	226.0	128.03	175.3	-9,025.4	2,126.6	1,760.0	366.67	5.800		
17,000.0	7,790.0	18,463.5	9,095.3	226.6	228.7	127.86	174.5	-9,139.1	2,126.8	1,755.2	371.59	5.723		
17,053.8	7,790.0	18,513.7	9,093.0	227.9	229.9	127.78	174.2	-9,189.2	2,126.7	1,752.8	373.97	5.687		
17,100.0	7,790.0	18,557.2	9,090.9	229.1	231.0	127.71	174.0	-9,232.6	2,126.8	1,750.8	376.03	5.656		
17,200.0	7,790.0	18,604.4	9,089.3	231.5	232.1	127.64	174.2	-9,279.9	2,128.2	1,749.2	379.01	5.615		
17,300.0	7,790.0	18,655.4	9,088.7	233.9	233.4	127.58	175.0	-9,330.8	2,132.0	1,750.2	381.85	5.583		
17,400.0	7,790.0	18,737.1	9,089.5	236.3	235.4	127.52	176.5	-9,412.5	2,137.3	1,751.8	385.51	5.544		
17,500.0	7,790.0	18,822.8	9,091.6	238.7	237.4	127.48	177.9	-9,498.1	2,143.5	1,754.3	389.18	5.508		
17,600.0	7,790.0	18,915.9	9,094.5	241.2	239.7	127.45	179.6	-9,591.2	2,150.1	1,757.0	393.03	5.470		
17,700.0	7,790.0	19,051.6	9,098.1	243.6	243.0	127.42	180.9	-9,726.8	2,155.7	1,757.4	398.29	5.412		
17,800.0	7,790.0	19,138.9	9,101.6	246.0	245.1	127.44	180.6	-9,814.1	2,161.1	1,759.4	401.77	5.379		
17,900.0	7,790.0	19,248.8	9,104.4	248.4	247.8	127.41	181.5	-9,923.9	2,166.6	1,760.4	406.17	5.334		
18,000.0	7,790.0	19,353.8	9,106.7	250.9	250.3	127.38	181.9	-10,028.8	2,171.6	1,761.1	410.41	5.291		
18,100.0	7,790.0	19,425.0	9,108.3	253.3	252.1	127.36	182.1	-10,100.1	2,176.7	1,763.1	413.56	5.263 SF		
18,154.3	7,790.0	19,425.0	9,108.3	254.6	252.1	127.36	182.1	-10,100.1	2,180.8	1,767.0	413.81	5.270		

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 #124H
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 #124H	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	110.0	0.0	110.0					
100.0	100.0	100.0	100.0	0.1	0.1	0.05	110.0	0.1	110.0	109.7	0.27	408.041		
200.0	200.0	200.3	200.3	0.5	0.4	0.29	109.9	0.6	109.9	109.0	0.91	120.454		
300.0	300.0	301.6	301.6	0.8	0.8	1.01	109.1	1.9	109.1	107.5	1.64	66.589		
400.0	400.0	402.0	401.9	1.2	1.2	2.09	107.3	3.9	107.4	105.0	2.36	45.503		
500.0	500.0	502.3	502.2	1.6	1.5	3.36	105.2	6.2	105.4	102.3	3.08	34.193		
600.0	600.0	602.4	602.2	1.9	1.9	-159.71	102.9	8.5	104.1	100.3	3.79	27.474		
616.9	616.9	619.0	618.9	2.0	2.0	-159.54	102.6	8.9	104.1	100.2	3.91	26.644	CC, ES	
700.0	700.0	701.4	701.2	2.2	2.3	-159.00	101.2	10.6	105.0	100.5	4.48	23.419		
800.0	799.9	801.3	801.1	2.6	2.6	-158.95	99.9	12.1	107.9	102.7	5.19	20.811		
900.0	899.7	900.7	900.5	2.9	3.0	-159.31	98.7	13.4	112.5	106.6	5.89	19.112		
1,000.0	999.4	999.4	999.2	3.3	3.3	-160.38	98.5	13.9	119.8	113.2	6.58	18.201		
1,100.0	1,098.9	1,099.2	1,099.0	3.7	3.7	-161.91	98.7	13.6	129.0	121.7	7.26	17.756		
1,200.0	1,198.3	1,198.8	1,198.5	4.0	4.0	-163.53	98.4	13.1	139.5	131.5	7.95	17.546		
1,300.0	1,297.4	1,297.4	1,297.2	4.4	4.3	-165.10	98.4	12.5	152.1	143.5	8.64	17.613		
1,400.0	1,396.3	1,396.1	1,395.9	4.8	4.6	-166.73	98.5	11.5	166.6	157.3	9.33	17.865		
1,506.8	1,501.6	1,501.1	1,500.9	5.2	5.0	-168.39	98.8	10.1	184.2	174.2	10.07	18.304		
1,600.0	1,593.4	1,593.2	1,592.9	5.6	5.3	-169.58	99.0	9.2	200.6	189.8	10.72	18.710		
1,700.0	1,691.9	1,692.8	1,692.6	6.1	5.7	-170.27	99.1	9.8	217.8	206.3	11.43	19.048		
1,800.0	1,790.3	1,792.4	1,792.1	6.5	6.0	-170.53	98.7	11.7	234.4	222.3	12.15	19.293		
1,900.0	1,888.8	1,891.0	1,890.7	6.9	6.4	-170.66	98.2	14.0	250.9	238.0	12.87	19.497		
2,000.0	1,987.2	1,991.1	1,990.8	7.4	6.7	-170.96	97.4	15.6	267.2	253.6	13.59	19.653		
2,100.0	2,085.7	2,086.4	2,086.0	7.8	7.1	-171.23	96.8	17.0	283.7	269.4	14.29	19.846		
2,200.0	2,184.2	2,183.0	2,182.7	8.2	7.4	-171.40	97.2	18.6	301.2	286.2	15.00	20.077		
2,300.0	2,282.6	2,284.0	2,283.6	8.7	7.8	-171.65	97.5	19.9	318.6	302.8	15.73	20.246		
2,400.0	2,381.1	2,383.1	2,382.7	9.1	8.1	-172.03	97.1	20.3	335.4	319.0	16.45	20.386		
2,500.0	2,479.5	2,480.5	2,480.1	9.6	8.5	-172.36	96.9	20.7	352.5	335.3	17.17	20.536		
2,600.0	2,578.0	2,579.2	2,578.8	10.0	8.8	-172.66	96.7	21.1	369.7	351.8	17.89	20.668		
2,700.0	2,676.5	2,679.0	2,678.6	10.5	9.2	-172.94	96.4	21.5	386.6	368.0	18.61	20.771		
2,800.0	2,774.9	2,778.3	2,777.9	10.9	9.5	-173.16	95.8	22.2	403.3	384.0	19.34	20.855		
2,900.0	2,873.4	2,876.5	2,876.2	11.4	9.9	-173.35	95.2	23.0	420.0	399.9	20.06	20.937		
3,000.0	2,971.8	2,976.2	2,975.8	11.8	10.2	-173.52	94.7	23.8	436.7	415.9	20.79	21.006		
3,100.0	3,070.3	3,080.5	3,080.1	12.3	10.6	-173.53	93.5	26.0	452.6	431.0	21.55	21.004		
3,200.0	3,168.8	3,185.2	3,184.6	12.7	11.0	-173.29	91.1	30.5	467.1	444.8	22.31	20.933		
3,300.0	3,267.2	3,286.8	3,286.0	13.2	11.4	-172.85	88.3	36.7	480.8	457.7	23.07	20.841		
3,400.0	3,365.7	3,386.2	3,385.2	13.6	11.8	-172.37	85.3	43.5	494.2	470.4	23.82	20.749		
3,500.0	3,464.1	3,488.6	3,487.2	14.1	12.2	-171.88	82.0	50.7	507.4	482.8	24.58	20.639		
3,600.0	3,562.6	3,589.6	3,587.9	14.5	12.6	-171.46	78.1	57.6	520.0	494.6	25.35	20.515		
3,700.0	3,661.1	3,687.5	3,685.5	15.0	12.9	-171.08	74.2	64.1	532.6	506.5	26.10	20.408		
3,800.0	3,759.5	3,785.2	3,782.9	15.4	13.3	-170.76	70.6	70.4	545.4	518.6	26.84	20.319		
3,900.0	3,858.0	3,890.1	3,887.5	15.9	13.7	-170.37	66.4	77.5	558.0	530.4	27.63	20.192		
4,000.0	3,956.4	3,998.1	3,995.0	16.3	14.2	-169.78	60.8	87.2	569.1	540.7	28.45	20.003		
4,100.0	4,054.9	4,100.9	4,096.9	16.8	14.6	-168.98	54.6	99.1	579.3	550.1	29.27	19.794		
4,200.0	4,153.4	4,201.0	4,196.0	17.3	15.1	-168.13	48.3	111.7	589.2	559.1	30.09	19.583		
4,300.0	4,251.8	4,300.1	4,294.1	17.7	15.6	-167.33	42.0	124.1	599.3	568.4	30.91	19.387		
4,400.0	4,350.3	4,399.2	4,392.3	18.2	16.0	-166.61	35.7	135.8	609.4	577.6	31.74	19.200		
4,500.0	4,448.7	4,497.7	4,490.0	18.6	16.5	-165.99	29.4	146.7	619.7	587.1	32.56	19.032		
4,600.0	4,547.2	4,594.3	4,585.9	19.1	16.9	-165.48	23.5	156.6	630.2	596.8	33.37	18.887		
4,700.0	4,645.7	4,692.0	4,682.9	19.5	17.3	-164.94	17.9	167.0	641.3	607.1	34.19	18.757		
4,800.0	4,744.1	4,791.9	4,782.0	20.0	17.8	-164.36	12.3	178.1	652.4	617.4	35.03	18.623		
4,900.0	4,842.6	4,896.9	4,886.0	20.4	18.3	-163.72	5.9	190.5	663.2	627.3	35.92	18.464		
5,000.0	4,941.0	4,996.7	4,984.9	20.9	18.8	-163.07	-0.8	202.9	673.4	636.6	36.79	18.305		

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 #124H
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 #124H	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		
5,100.0	5,039.5	5,091.2	5,078.6	21.4	19.3	-162.54	-6.8	213.9	684.1	646.4	37.62	18.182		
5,200.0	5,138.0	5,188.7	5,175.3	21.8	19.7	-162.10	-12.5	224.1	695.3	656.8	38.46	18.076		
5,300.0	5,236.4	5,290.3	5,276.2	22.3	20.2	-161.68	-18.5	234.5	706.4	667.1	39.33	17.964		
5,400.0	5,334.9	5,389.9	5,375.1	22.7	20.7	-161.29	-24.6	244.6	717.4	677.3	40.18	17.857		
5,500.0	5,433.3	5,487.3	5,471.9	23.2	21.1	-160.98	-30.3	253.7	728.6	687.6	41.01	17.770		
5,600.0	5,531.8	5,586.0	5,570.1	23.6	21.6	-160.71	-36.1	262.5	739.8	698.0	41.83	17.685		
5,700.0	5,630.3	5,675.6	5,659.3	24.1	22.0	-160.54	-40.6	269.5	751.9	709.3	42.59	17.654		
5,800.0	5,728.7	5,767.8	5,751.3	24.5	22.4	-160.54	-43.9	274.8	765.1	721.8	43.33	17.660		
5,900.0	5,827.2	5,865.3	5,848.6	25.0	22.7	-160.65	-47.1	278.8	778.7	734.6	44.06	17.671		
6,000.0	5,925.6	5,953.9	5,937.2	25.5	23.0	-160.88	-49.1	280.7	793.2	748.4	44.71	17.739		
6,100.0	6,024.1	6,046.6	6,029.9	25.9	23.4	-161.22	-50.1	281.2	808.7	763.3	45.36	17.829		
6,200.0	6,122.6	6,141.7	6,125.0	26.4	23.7	-161.58	-50.6	281.4	824.7	778.7	46.01	17.924		
6,300.0	6,221.0	6,237.8	6,221.0	26.8	24.0	-161.92	-50.6	281.7	841.3	794.6	46.68	18.023		
6,400.0	6,319.5	6,336.8	6,320.1	27.3	24.3	-162.24	-50.8	282.4	857.8	810.4	47.37	18.106		
6,500.0	6,417.9	6,428.6	6,411.8	27.7	24.6	-162.53	-50.5	283.0	874.8	826.8	48.01	18.221		
6,600.0	6,516.4	6,530.1	6,513.4	28.2	24.9	-162.84	-49.8	283.5	892.3	843.5	48.72	18.314		
6,633.4	6,549.3	6,568.5	6,551.8	28.4	25.1	-162.96	-49.8	283.7	897.9	848.9	48.99	18.327		
6,700.0	6,615.0	6,638.8	6,622.1	28.7	25.3	-163.20	-50.2	284.0	908.0	858.6	49.48	18.350		
6,800.0	6,713.9	6,737.4	6,720.7	29.1	25.6	-163.49	-51.1	284.4	921.1	870.9	50.17	18.360		
6,900.0	6,813.2	6,838.1	6,821.3	29.5	26.0	-163.73	-51.8	284.7	931.8	880.9	50.86	18.319		
7,000.0	6,912.8	6,942.9	6,926.2	29.9	26.3	-163.86	-53.0	285.8	939.5	887.9	51.60	18.209		
7,100.0	7,012.5	7,040.1	7,023.3	30.2	26.7	-163.90	-54.3	287.2	944.6	892.3	52.28	18.068		
7,200.0	7,112.5	7,136.5	7,119.8	30.6	27.0	-163.95	-55.3	287.7	947.5	894.6	52.94	17.899		
7,304.6	7,217.0	7,249.4	7,232.6	30.9	27.4	0.32	-56.5	288.3	947.7	894.0	53.69	17.652		
7,339.7	7,252.1	7,279.8	7,263.1	31.0	27.5	100.91	-56.9	288.5	947.4	893.6	53.88	17.583		
7,350.0	7,262.4	7,288.9	7,272.1	31.0	27.5	100.95	-57.0	288.5	947.5	893.5	53.95	17.564		
7,400.0	7,312.0	7,332.7	7,315.9	31.1	27.7	101.18	-57.3	288.4	948.3	894.1	54.24	17.484		
7,450.0	7,360.9	7,376.8	7,360.0	31.3	27.8	101.50	-57.4	288.0	950.3	895.8	54.53	17.426		
7,500.0	7,408.7	7,420.2	7,403.4	31.4	27.9	101.89	-57.2	287.2	953.6	898.8	54.83	17.391		
7,550.0	7,455.0	7,469.9	7,453.1	31.5	28.1	102.48	-56.9	286.0	958.1	902.9	55.19	17.362		
7,600.0	7,499.5	7,521.6	7,504.8	31.6	28.2	103.24	-56.9	284.8	963.7	908.1	55.56	17.343		
7,650.0	7,541.9	7,567.0	7,550.1	31.7	28.4	103.92	-57.2	283.9	970.5	914.6	55.91	17.358		
7,700.0	7,581.8	7,609.1	7,592.2	31.8	28.5	104.51	-57.5	283.2	979.1	922.8	56.26	17.404		
7,750.0	7,618.9	7,647.6	7,630.7	31.9	28.6	104.94	-57.9	282.6	989.6	933.0	56.59	17.486		
7,800.0	7,653.0	7,682.6	7,665.8	32.0	28.7	105.13	-58.2	282.1	1,002.2	945.2	56.92	17.607		
7,850.0	7,683.7	7,714.3	7,697.4	32.1	28.8	105.04	-58.5	281.7	1,017.1	959.8	57.24	17.769		
7,900.0	7,710.9	7,742.1	7,725.2	32.2	28.9	104.59	-58.8	281.3	1,034.4	976.8	57.54	17.975		
7,950.0	7,734.3	7,766.1	7,749.2	32.2	29.0	103.72	-59.1	281.0	1,054.1	996.3	57.84	18.226		
8,000.0	7,753.8	7,786.2	7,769.3	32.3	29.0	102.39	-59.3	280.7	1,076.3	1,018.2	58.11	18.521		
8,050.0	7,769.2	7,802.2	7,785.4	32.4	29.1	100.53	-59.5	280.5	1,100.8	1,042.4	58.37	18.861		
8,100.0	7,780.4	7,814.1	7,797.3	32.6	29.1	98.11	-59.6	280.3	1,127.5	1,068.9	58.59	19.243		
8,150.0	7,787.4	7,821.5	7,804.6	32.7	29.1	95.08	-59.7	280.2	1,156.1	1,097.4	58.79	19.666		
8,204.6	7,790.0	7,824.8	7,807.9	32.9	29.2	91.11	-59.7	280.2	1,189.3	1,130.4	58.97	20.168		
8,300.0	7,790.0	7,826.1	7,809.3	33.5	29.2	91.16	-59.7	280.2	1,249.9	1,190.7	59.25	21.097		
8,400.0	7,790.0	7,827.5	7,810.6	34.2	29.2	91.20	-59.7	280.1	1,315.4	1,255.8	59.53	22.096		
8,500.0	7,790.0	7,828.9	7,812.0	35.2	29.2	91.24	-59.7	280.1	1,382.5	1,322.7	59.80	23.117		
8,600.0	7,790.0	7,830.2	7,813.3	36.3	29.2	91.27	-59.8	280.1	1,450.9	1,390.8	60.06	24.156		
8,610.4	7,790.0	7,830.3	7,813.4	36.4	29.2	91.28	-59.8	280.1	1,458.1	1,398.0	60.09	24.265		
8,700.0	7,790.0	7,831.5	7,814.6	37.6	29.2	91.34	-59.8	280.1	1,521.4	1,461.1	60.31	25.227		
8,800.0	7,790.0	7,832.8	7,815.9	39.0	29.2	91.41	-59.8	280.1	1,595.1	1,534.5	60.53	26.351		
8,900.0	7,790.0	7,834.0	7,817.2	40.5	29.2	91.48	-59.8	280.1	1,671.4	1,610.7	60.73	27.522		
9,000.0	7,790.0	7,835.3	7,818.4	42.1	29.2	91.55	-59.8	280.0	1,750.2	1,689.3	60.91	28.734		

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 #124H
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 #124H	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		
9,100.0	7,790.0	7,836.6	7,819.7	43.8	29.2	91.62	-59.8	280.0	1,831.1	1,770.0	61.07	29.982		
9,200.0	7,790.0	7,837.9	7,821.0	45.6	29.2	91.69	-59.8	280.0	1,913.7	1,852.5	61.22	31.262		
9,300.0	7,790.0	7,839.1	7,822.3	47.4	29.2	91.76	-59.8	280.0	1,997.9	1,936.6	61.35	32.569		
9,400.0	7,790.0	7,840.4	7,823.5	49.3	29.2	91.83	-59.9	280.0	2,083.6	2,022.1	61.46	33.899		
9,500.0	7,790.0	7,841.7	7,824.8	51.3	29.2	91.89	-59.9	280.0	2,170.4	2,108.9	61.57	35.251		
9,600.0	7,790.0	7,842.9	7,826.0	53.3	29.2	91.96	-59.9	279.9	2,258.4	2,196.7	61.67	36.621		
9,700.0	7,790.0	7,844.2	7,827.3	55.3	29.2	92.03	-59.9	279.9	2,347.3	2,285.5	61.76	38.008		
9,800.0	7,790.0	7,845.4	7,828.5	57.3	29.2	92.10	-59.9	279.9	2,437.1	2,375.2	61.84	39.409		
9,900.0	7,790.0	7,846.6	7,829.8	59.4	29.2	92.16	-59.9	279.9	2,527.6	2,465.7	61.92	40.822		
10,000.0	7,790.0	7,847.9	7,831.0	61.5	29.2	92.23	-59.9	279.9	2,618.8	2,556.8	61.99	42.246		
10,100.0	7,790.0	12,646.0	10,191.2	63.7	150.8	154.76	-90.2	-2,346.2	2,657.8	2,553.8	104.02	25.552		
10,200.0	7,790.0	12,677.8	10,188.9	65.8	152.6	154.69	-88.8	-2,377.9	2,654.4	2,548.4	106.05	25.030		
10,300.0	7,790.0	12,741.0	10,184.4	68.0	156.1	154.48	-82.8	-2,440.6	2,653.5	2,544.2	109.30	24.277		
10,321.9	7,790.0	12,741.0	10,184.4	68.5	156.1	154.48	-82.8	-2,440.6	2,653.4	2,543.9	109.52	24.228		
10,400.0	7,790.0	12,797.2	10,180.3	70.2	159.3	154.24	-75.2	-2,496.1	2,654.1	2,541.7	112.46	23.600		
10,500.0	7,790.0	12,836.0	10,177.2	72.4	161.4	154.08	-69.7	-2,534.4	2,655.7	2,540.7	114.99	23.095		
10,600.0	7,790.0	12,895.7	10,173.5	74.6	164.7	153.83	-61.0	-2,593.3	2,658.9	2,540.5	118.37	22.463		
10,700.0	7,790.0	12,930.0	10,172.6	76.9	166.6	153.69	-56.0	-2,627.3	2,664.9	2,544.2	120.66	22.086		
10,800.0	7,790.0	12,930.0	10,172.6	79.1	166.6	153.69	-56.0	-2,627.3	2,674.0	2,552.5	121.45	22.017		
10,900.0	7,790.0	12,982.5	10,173.4	81.4	169.6	153.51	-48.1	-2,679.2	2,684.8	2,560.4	124.40	21.583		
11,000.0	7,790.0	13,564.0	10,175.5	83.7	202.6	152.53	-20.0	-3,258.2	2,692.1	2,546.7	145.34	18.522		
11,100.0	7,790.0	13,661.5	10,171.5	85.9	208.2	152.55	-27.1	-3,355.4	2,687.0	2,537.8	149.14	18.017		
11,200.0	7,790.0	13,784.0	10,166.9	88.2	215.2	152.65	-40.0	-3,477.1	2,680.5	2,527.3	153.21	17.496		
11,300.0	7,790.0	13,842.8	10,163.9	90.5	218.5	152.67	-44.9	-3,535.6	2,674.6	2,518.6	156.05	17.140		
11,400.0	7,790.0	13,879.0	10,163.4	92.8	220.6	152.69	-47.8	-3,571.7	2,671.6	2,513.4	158.25	16.883		
11,500.0	7,790.0	14,027.8	10,159.6	95.2	229.1	152.68	-55.5	-3,720.2	2,668.8	2,505.3	163.50	16.323		
11,600.0	7,790.0	14,103.2	10,155.6	97.5	233.5	152.61	-57.0	-3,795.5	2,665.2	2,498.1	167.14	15.946		
11,700.0	7,790.0	14,162.0	10,154.6	99.8	236.8	152.61	-59.7	-3,854.2	2,663.4	2,493.4	170.05	15.663		
11,800.0	7,790.0	14,251.2	10,154.4	102.1	242.0	152.63	-64.5	-3,943.3	2,662.7	2,489.0	173.64	15.334		
11,900.0	7,790.0	14,388.1	10,151.0	104.5	249.9	152.59	-70.2	-4,080.0	2,660.2	2,481.4	178.78	14.880		
12,000.0	7,790.0	14,447.0	10,150.4	106.8	253.3	152.60	-73.2	-4,138.8	2,658.8	2,477.2	181.63	14.638		
12,100.0	7,790.0	14,587.0	10,148.6	109.2	261.3	152.65	-82.8	-4,278.5	2,656.0	2,469.6	186.42	14.247		
12,200.0	7,790.0	14,866.9	10,131.3	111.5	277.4	152.55	-98.1	-4,556.9	2,648.9	2,453.6	195.28	13.565		
12,300.0	7,790.0	14,919.0	10,125.5	113.9	280.4	152.47	-99.1	-4,608.7	2,640.5	2,441.8	198.61	13.295		
12,400.0	7,790.0	14,975.5	10,120.0	116.2	283.6	152.38	-99.6	-4,665.0	2,633.7	2,431.6	202.06	13.034		
12,500.0	7,790.0	15,014.0	10,117.3	118.6	285.8	152.32	-99.7	-4,703.3	2,629.3	2,424.5	204.84	12.836		
12,600.0	7,790.0	15,068.7	10,115.0	120.9	289.0	152.27	-100.3	-4,757.9	2,627.0	2,419.0	207.99	12.630		
12,700.0	7,790.0	15,134.2	10,114.4	123.3	292.8	152.25	-102.6	-4,823.4	2,626.4	2,415.2	211.17	12.437		
12,800.0	7,790.0	15,238.2	10,116.3	125.7	298.8	152.35	-111.0	-4,927.1	2,626.2	2,411.4	214.76	12.228		
12,900.0	7,790.0	15,342.1	10,118.1	128.0	304.8	152.45	-119.5	-5,030.6	2,625.9	2,407.5	218.32	12.028		
13,000.0	7,790.0	15,483.0	10,111.3	130.4	312.9	152.26	-118.8	-5,171.1	2,623.4	2,398.7	224.63	11.678		
13,098.2	7,790.0	15,530.3	10,107.4	132.8	315.6	152.12	-116.0	-5,218.2	2,621.6	2,393.6	228.03	11.497		
13,100.0	7,790.0	15,530.8	10,107.4	132.8	315.7	152.12	-116.0	-5,218.6	2,621.6	2,393.5	228.07	11.495		
13,200.0	7,790.0	15,578.0	10,107.0	135.2	318.4	152.05	-114.5	-5,265.8	2,623.5	2,392.4	231.02	11.356		
13,300.0	7,790.0	15,622.9	10,108.2	137.6	321.0	152.02	-114.1	-5,310.7	2,627.3	2,393.7	233.61	11.246		
13,400.0	7,790.0	15,842.9	10,106.4	139.9	333.8	151.82	-113.5	-5,530.6	2,628.0	2,385.4	242.64	10.831		
13,500.0	7,790.0	15,933.3	10,103.1	142.3	339.0	151.68	-111.7	-5,621.0	2,627.7	2,380.3	247.42	10.620		
13,600.0	7,790.0	16,053.1	10,101.2	144.7	346.0	151.60	-113.9	-5,740.7	2,627.5	2,374.9	252.60	10.402		
13,700.0	7,790.0	16,186.6	10,102.6	147.1	353.7	151.75	-126.2	-5,873.6	2,626.0	2,369.3	256.66	10.231		
13,800.0	7,790.0	16,280.0	10,101.8	149.5	359.1	151.79	-132.8	-5,966.7	2,623.9	2,363.5	260.32	10.080		
13,900.0	7,790.0	16,396.1	10,099.0	151.9	365.8	151.74	-136.3	-6,082.8	2,622.3	2,357.1	265.25	9.886		
14,000.0	7,790.0	16,462.4	10,096.3	154.3	369.7	151.68	-137.4	-6,149.0	2,620.1	2,351.2	268.92	9.743		

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 #124H
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 #124H	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		
14,047.8	7,790.0	16,481.1	10,096.2	155.4	370.8	151.68	-138.3	-6,167.7	2,619.9	2,349.8	270.08	9.701		
14,100.0	7,790.0	16,523.0	10,097.7	156.7	373.2	151.72	-141.6	-6,209.4	2,620.4	2,348.8	271.61	9.648		
14,200.0	7,790.0	16,583.0	10,101.1	159.1	376.6	151.83	-147.6	-6,269.0	2,622.2	2,348.4	273.80	9.577		
14,300.0	7,790.0	16,673.6	10,105.8	161.5	381.9	151.98	-156.6	-6,359.0	2,624.1	2,347.6	276.50	9.490		
14,400.0	7,790.0	14,400.0	10,108.4	163.9	249.8	152.13	-172.5	-6,585.7	2,623.6	2,410.3	213.29	12.300		
14,500.0	7,790.0	16,949.8	10,106.8	166.3	397.9	152.10	-173.9	-6,634.3	2,621.7	2,335.7	286.02	9.166		
14,524.5	7,790.0	16,958.7	10,106.7	166.9	398.4	152.09	-174.1	-6,643.3	2,621.6	2,335.0	286.61	9.147		
14,600.0	7,790.0	16,997.0	10,107.1	168.7	400.6	152.09	-175.3	-6,681.6	2,622.4	2,333.7	288.66	9.085		
14,700.0	7,790.0	17,073.4	10,108.5	171.1	405.1	152.08	-177.2	-6,757.9	2,624.7	2,332.5	292.12	8.985		
14,800.0	7,790.0	17,225.5	10,107.9	173.5	413.9	151.99	-179.1	-6,910.0	2,625.5	2,326.9	298.55	8.794		
14,900.0	7,790.0	17,318.6	10,108.1	175.9	419.3	151.97	-182.0	-7,003.0	2,626.2	2,323.6	302.60	8.679		
15,000.0	7,790.0	17,439.9	10,105.7	178.3	426.4	151.86	-182.3	-7,124.4	2,626.3	2,318.0	308.31	8.518		
15,100.0	7,790.0	15,100.0	10,103.0	180.7	290.1	151.77	-184.6	-7,247.5	2,625.3	2,381.2	244.16	10.752		
15,183.2	7,790.0	17,597.9	10,102.1	182.7	435.6	151.74	-184.9	-7,282.2	2,625.1	2,308.9	316.12	8.304		
15,200.0	7,790.0	17,603.1	10,102.1	183.1	435.9	151.74	-184.9	-7,287.5	2,625.2	2,308.7	316.51	8.294		
15,300.0	7,790.0	17,663.0	10,103.6	185.5	439.4	151.72	-185.5	-7,347.3	2,628.2	2,308.6	319.62	8.223		
15,400.0	7,790.0	17,663.0	10,103.6	188.0	439.4	151.72	-185.5	-7,347.3	2,632.8	2,312.4	320.39	8.218		
15,500.0	7,790.0	17,735.0	10,108.6	190.4	443.6	151.75	-187.4	-7,419.1	2,639.8	2,316.5	323.23	8.167		
15,600.0	7,790.0	17,860.2	10,120.4	192.8	450.8	151.92	-195.0	-7,543.5	2,647.2	2,320.4	326.80	8.101		
15,700.0	7,790.0	18,103.3	10,129.6	195.2	464.9	151.96	-202.7	-7,786.1	2,650.9	2,315.6	335.22	7.908		
15,800.0	7,790.0	18,178.9	10,128.2	197.6	469.3	151.85	-200.9	-7,861.7	2,652.4	2,312.8	339.62	7.810		
15,900.0	7,790.0	18,260.1	10,127.6	200.0	474.1	151.74	-198.4	-7,942.8	2,655.2	2,310.9	344.27	7.712		
16,000.0	7,790.0	18,356.0	10,126.6	202.4	479.6	151.59	-195.3	-8,038.7	2,657.7	2,308.1	349.66	7.601		
16,100.0	7,790.0	18,420.0	10,126.9	204.9	483.4	151.51	-193.2	-8,102.6	2,661.5	2,308.1	353.47	7.530		
16,200.0	7,790.0	18,551.6	10,125.0	207.3	491.0	151.27	-187.1	-8,234.0	2,664.2	2,303.3	360.98	7.381		
16,300.0	7,790.0	18,609.0	10,124.1	209.7	494.3	151.13	-182.7	-8,291.3	2,668.5	2,303.4	365.09	7.309		
16,400.0	7,790.0	18,676.5	10,123.3	212.1	498.2	150.94	-175.9	-8,358.4	2,674.2	2,304.2	370.00	7.227		
16,500.0	7,790.0	18,821.0	10,119.3	214.5	506.5	150.47	-158.6	-8,501.9	2,679.8	2,299.3	380.49	7.043		
16,600.0	7,790.0	18,951.8	10,114.9	216.9	514.1	150.11	-147.2	-8,632.0	2,683.3	2,293.9	389.39	6.891		
16,700.0	7,790.0	19,270.3	10,108.5	219.4	532.6	149.97	-156.7	-8,950.0	2,681.1	2,280.1	401.03	6.686		
16,800.0	7,790.0	19,311.9	10,108.3	221.8	535.0	150.02	-161.2	-8,991.3	2,677.4	2,273.9	403.55	6.635		
16,900.0	7,790.0	19,589.8	10,106.0	224.2	551.0	150.45	-197.1	-9,266.7	2,673.8	2,266.9	406.87	6.572		
17,000.0	7,790.0	19,649.0	10,103.2	226.6	554.4	150.51	-204.6	-9,325.3	2,665.4	2,255.6	409.84	6.504		
17,100.0	7,790.0	19,703.4	10,101.4	229.1	557.5	150.57	-211.1	-9,379.3	2,658.6	2,246.0	412.65	6.443		
17,200.0	7,790.0	19,779.5	10,099.8	231.5	561.9	150.66	-219.5	-9,454.9	2,653.3	2,237.7	415.57	6.385		
17,300.0	7,790.0	19,868.0	10,098.3	233.9	567.0	150.76	-229.7	-9,542.8	2,648.2	2,229.7	418.45	6.328		
17,400.0	7,790.0	19,933.0	10,098.2	236.3	570.8	150.86	-237.5	-9,607.3	2,644.2	2,223.3	420.87	6.283		
17,500.0	7,790.0	20,082.9	10,096.2	238.7	579.5	151.05	-254.6	-9,756.3	2,639.3	2,215.2	424.15	6.223		
17,600.0	7,790.0	20,229.0	10,090.9	241.2	587.9	151.14	-268.6	-9,901.6	2,633.6	2,205.4	428.20	6.150		
17,700.0	7,790.0	20,271.9	10,089.5	243.6	590.4	151.17	-272.7	-9,944.3	2,627.9	2,196.9	430.99	6.097		
17,800.0	7,790.0	20,313.0	10,088.8	246.0	592.8	151.21	-276.7	-9,985.2	2,624.0	2,190.6	433.46	6.054		
17,900.0	7,790.0	20,381.3	10,089.3	248.4	596.7	151.28	-283.3	-10,053.1	2,622.0	2,186.0	435.98	6.014		
17,978.6	7,790.0	20,424.0	10,089.9	250.3	599.2	151.34	-287.4	-10,095.6	2,621.2	2,183.5	437.69	5.989		
18,000.0	7,790.0	20,424.0	10,089.9	250.9	599.2	151.34	-287.4	-10,095.6	2,621.3	2,183.3	437.97	5.985		
18,100.0	7,790.0	20,424.0	10,089.9	253.3	599.2	151.34	-287.4	-10,095.6	2,624.0	2,185.1	438.86	5.979 SF		
18,154.3	7,790.0	20,424.0	10,089.9	254.6	599.2	151.34	-287.4	-10,095.6	2,627.1	2,188.0	439.09	5.983		

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 #124H
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 #124H	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	45.00	30.0	30.0	42.4					
100.0	100.0	100.0	100.0	0.1	0.1	45.00	30.0	30.0	42.4	42.2	0.26	165.544		
200.0	200.0	200.0	200.0	0.5	0.5	45.00	30.0	30.0	42.4	41.5	0.97	43.596		
300.0	300.0	300.0	300.0	0.8	0.8	45.00	30.0	30.0	42.4	40.7	1.69	25.104		
400.0	400.0	400.0	400.0	1.2	1.2	45.00	30.0	30.0	42.4	40.0	2.41	17.627		
500.0	500.0	500.0	500.0	1.6	1.6	45.00	30.0	30.0	42.4	39.3	3.12	13.582 CC		
600.0	600.0	600.0	600.0	1.9	1.9	-120.27	30.0	30.0	42.9	39.0	3.82	11.208 ES		
700.0	700.0	700.0	700.0	2.2	2.3	-123.19	30.0	30.0	44.2	39.7	4.52	9.795		
800.0	799.9	800.1	799.9	2.6	2.6	-127.64	30.0	30.0	46.8	41.6	5.22	8.965		
900.0	899.7	900.3	899.7	2.9	3.0	-133.08	30.0	30.0	50.7	44.8	5.92	8.564		
1,000.0	999.4	999.4	999.4	3.3	3.4	-138.86	30.0	30.0	56.4	49.8	6.63	8.503		
1,100.0	1,098.9	1,099.5	1,099.5	3.7	3.7	-143.85	29.3	30.5	63.5	56.1	7.33	8.657		
1,200.0	1,198.3	1,199.8	1,199.7	4.0	4.0	-147.44	27.2	32.1	71.3	63.3	8.02	8.894		
1,300.0	1,297.4	1,300.2	1,300.0	4.4	4.4	-149.94	23.7	34.7	79.9	71.1	8.72	9.158		
1,400.0	1,396.3	1,400.7	1,400.4	4.8	4.7	-151.63	18.8	38.4	88.9	79.5	9.43	9.429		
1,506.8	1,501.6	1,508.1	1,507.4	5.2	5.1	-152.75	12.0	43.5	99.0	88.8	10.19	9.715		
1,600.0	1,593.4	1,602.1	1,601.0	5.6	5.4	-153.16	4.7	49.0	107.6	96.7	10.87	9.898		
1,700.0	1,691.9	1,703.1	1,701.3	6.1	5.8	-152.89	-4.5	55.8	115.6	104.0	11.60	9.964		
1,800.0	1,790.3	1,804.2	1,801.6	6.5	6.2	-152.04	-15.1	63.8	122.5	110.1	12.35	9.917		
1,900.0	1,888.8	1,903.9	1,900.3	6.9	6.5	-151.02	-26.2	72.1	128.8	115.7	13.11	9.830		
2,000.0	1,987.2	2,003.7	1,999.1	7.4	6.9	-150.09	-37.3	80.4	135.2	121.4	13.87	9.749		
2,100.0	2,085.7	2,103.5	2,097.9	7.8	7.3	-149.25	-48.4	88.8	141.7	127.0	14.64	9.675		
2,200.0	2,184.2	2,203.3	2,196.7	8.2	7.7	-148.48	-59.5	97.1	148.2	132.7	15.42	9.606		
2,300.0	2,282.6	2,303.0	2,295.5	8.7	8.1	-147.77	-70.6	105.4	154.6	138.4	16.21	9.543		
2,400.0	2,381.1	2,402.8	2,394.3	9.1	8.5	-147.12	-81.8	113.7	161.2	144.2	16.99	9.484		
2,500.0	2,479.5	2,502.6	2,493.1	9.6	8.9	-146.53	-92.9	122.1	167.7	149.9	17.78	9.429		
2,600.0	2,578.0	2,602.3	2,591.9	10.0	9.3	-145.97	-104.0	130.4	174.2	155.7	18.58	9.378		
2,700.0	2,676.5	2,702.1	2,690.7	10.5	9.7	-145.46	-115.1	138.7	180.8	161.4	19.38	9.330		
2,800.0	2,774.9	2,801.9	2,789.5	10.9	10.1	-144.98	-126.2	147.0	187.4	167.2	20.18	9.286		
2,900.0	2,873.4	2,901.7	2,888.3	11.4	10.5	-144.54	-137.3	155.4	194.0	173.0	20.98	9.244		
3,000.0	2,971.8	3,001.4	2,987.1	11.8	10.9	-144.12	-148.4	163.7	200.6	178.8	21.79	9.205		
3,100.0	3,070.3	3,101.2	3,085.9	12.3	11.3	-143.73	-159.5	172.0	207.2	184.6	22.60	9.168		
3,200.0	3,168.8	3,201.0	3,184.7	12.7	11.7	-143.37	-170.7	180.3	213.8	190.4	23.41	9.133		
3,300.0	3,267.2	3,300.7	3,283.5	13.2	12.2	-143.03	-181.8	188.7	220.4	196.2	24.22	9.100		
3,400.0	3,365.7	3,400.5	3,382.3	13.6	12.6	-142.70	-192.9	197.0	227.1	202.0	25.04	9.070		
3,500.0	3,464.1	3,500.3	3,481.1	14.1	13.0	-142.40	-204.0	205.3	233.7	207.8	25.85	9.040		
3,600.0	3,562.6	3,600.1	3,579.9	14.5	13.4	-142.11	-215.1	213.7	240.3	213.7	26.67	9.013		
3,700.0	3,661.1	3,700.2	3,678.7	15.0	13.8	-141.84	-226.2	222.0	247.0	219.5	27.49	8.986		
3,800.0	3,759.5	3,800.4	3,777.5	15.4	14.2	-141.58	-237.3	230.3	253.7	225.3	28.31	8.961		
3,900.0	3,858.0	3,900.6	3,876.3	15.9	14.6	-141.33	-248.4	238.6	260.3	231.2	29.13	8.937		
4,000.0	3,956.4	4,000.9	3,975.1	16.3	15.1	-141.10	-259.6	247.0	267.0	237.0	29.95	8.914		
4,100.0	4,054.9	4,101.1	4,073.9	16.8	15.5	-140.88	-270.7	255.3	273.7	242.9	30.78	8.892		
4,200.0	4,153.4	4,196.6	4,170.8	17.3	15.9	-140.75	-281.2	263.2	280.5	249.0	31.57	8.886		
4,300.0	4,251.8	4,292.7	4,266.2	17.7	16.3	-141.01	-289.8	269.7	288.6	256.2	32.33	8.925		
4,400.0	4,350.3	4,388.5	4,361.7	18.2	16.6	-141.65	-296.5	274.7	297.9	264.8	33.05	9.013		
4,500.0	4,448.7	4,483.9	4,456.8	18.6	17.0	-142.64	-301.3	278.2	308.6	274.8	33.73	9.149		
4,600.0	4,547.2	4,578.7	4,551.6	19.1	17.3	-143.91	-304.1	280.3	320.6	286.3	34.36	9.332		
4,700.0	4,645.7	4,674.7	4,645.7	19.5	17.6	-145.42	-305.0	281.0	334.3	299.3	34.95	9.565		
4,800.0	4,744.1	4,771.2	4,744.1	20.0	17.9	-147.04	-305.0	281.0	348.9	313.3	35.55	9.813		
4,900.0	4,842.6	4,869.7	4,842.6	20.4	18.2	-148.53	-305.0	281.0	363.7	327.6	36.17	10.056		
5,000.0	4,941.0	4,968.1	4,941.0	20.9	18.5	-149.91	-305.0	281.0	378.8	342.0	36.79	10.296		
5,100.0	5,039.5	5,066.6	5,039.5	21.4	18.9	-151.18	-305.0	281.0	394.1	356.7	37.43	10.530		

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 #124H
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 #124H	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		
5,200.0	5,138.0	5,165.1	5,138.0	21.8	19.2	-152.35	-305.0	281.0	409.6	371.5	38.06	10.760		
5,300.0	5,236.4	5,263.5	5,236.4	22.3	19.5	-153.44	-305.0	281.0	425.2	386.5	38.71	10.984		
5,400.0	5,334.9	5,362.0	5,334.9	22.7	19.8	-154.46	-305.0	281.0	440.9	401.6	39.36	11.203		
5,500.0	5,433.3	5,460.4	5,433.3	23.2	20.1	-155.40	-305.0	281.0	456.8	416.8	40.01	11.417		
5,600.0	5,531.8	5,558.9	5,531.8	23.6	20.4	-156.28	-305.0	281.0	472.8	432.1	40.67	11.625		
5,700.0	5,630.3	5,657.4	5,630.3	24.1	20.7	-157.10	-305.0	281.0	488.9	447.6	41.33	11.828		
5,800.0	5,728.7	5,755.8	5,728.7	24.5	21.1	-157.87	-305.0	281.0	505.1	463.1	42.00	12.026		
5,900.0	5,827.2	5,854.3	5,827.2	25.0	21.4	-158.59	-305.0	281.0	521.3	478.7	42.67	12.218		
6,000.0	5,925.6	5,952.7	5,925.6	25.5	21.7	-159.27	-305.0	281.0	537.7	494.3	43.34	12.406		
6,100.0	6,024.1	6,051.2	6,024.1	25.9	22.0	-159.91	-305.0	281.0	554.1	510.1	44.02	12.588		
6,200.0	6,122.6	6,149.7	6,122.6	26.4	22.3	-160.51	-305.0	281.0	570.6	525.9	44.70	12.765		
6,300.0	6,221.0	6,248.1	6,221.0	26.8	22.7	-161.08	-305.0	281.0	587.1	541.7	45.38	12.938		
6,400.0	6,319.5	6,346.6	6,319.5	27.3	23.0	-161.62	-305.0	281.0	603.7	557.6	46.06	13.106		
6,500.0	6,417.9	6,445.0	6,417.9	27.7	23.3	-162.13	-305.0	281.0	620.3	573.6	46.75	13.270		
6,600.0	6,516.4	6,533.1	6,505.7	28.2	23.6	-163.05	-304.3	275.7	637.7	590.5	47.28	13.489		
6,633.4	6,549.3	6,561.1	6,533.4	28.4	23.7	-163.59	-303.7	271.2	644.0	596.6	47.41	13.583		
6,700.0	6,615.0	6,615.1	6,585.9	28.7	23.8	-164.96	-302.0	258.8	656.9	609.3	47.62	13.794		
6,800.0	6,713.9	6,690.0	6,656.3	29.1	24.0	-167.44	-298.5	233.6	677.2	629.5	47.76	14.180		
6,900.0	6,813.2	6,756.7	6,715.8	29.5	24.1	-170.15	-294.4	203.7	699.9	652.2	47.65	14.689		
7,000.0	6,912.8	6,815.3	6,764.8	29.9	24.2	-172.84	-290.0	171.9	725.9	678.7	47.23	15.368		
7,100.0	7,012.5	6,866.4	6,804.6	30.2	24.3	-175.38	-285.6	140.3	756.2	709.7	46.50	16.262		
7,200.0	7,112.5	6,910.7	6,836.8	30.6	24.4	-177.68	-281.5	110.1	791.2	745.7	45.45	17.407		
7,304.6	7,217.0	6,950.0	6,863.3	30.9	24.5	-15.51	-277.5	81.4	832.9	788.9	44.02	18.922		
7,350.0	7,262.4	6,967.3	6,874.3	31.0	24.5	81.92	-275.7	68.1	852.7	809.3	43.37	19.663		
7,400.0	7,312.0	6,985.8	6,885.6	31.1	24.5	78.55	-273.7	53.7	875.5	832.9	42.62	20.540		
7,450.0	7,360.9	7,000.0	6,894.0	31.3	24.6	75.36	-272.1	42.3	899.0	857.3	41.78	21.519		
7,500.0	7,408.7	7,023.5	6,907.2	31.4	24.6	71.92	-269.5	23.1	922.9	881.7	41.18	22.411		
7,550.0	7,455.0	7,050.0	6,921.1	31.5	24.7	68.57	-266.4	0.8	947.0	906.3	40.68	23.281		
7,600.0	7,499.5	7,062.0	6,927.1	31.6	24.7	65.80	-265.0	-9.5	970.7	930.9	39.86	24.352		
7,650.0	7,541.9	7,081.5	6,936.3	31.7	24.8	63.04	-262.6	-26.6	994.2	954.9	39.28	25.310		
7,700.0	7,581.8	7,100.0	6,944.5	31.8	24.9	60.50	-260.4	-43.0	1,017.0	978.2	38.73	26.256		
7,750.0	7,618.9	7,120.8	6,953.1	31.9	25.0	58.18	-257.8	-61.7	1,039.0	1,000.6	38.32	27.114		
7,800.0	7,653.0	7,150.0	6,964.0	32.0	25.1	56.05	-254.1	-88.6	1,060.1	1,021.9	38.16	27.783		
7,850.0	7,683.7	7,150.0	6,964.0	32.1	25.1	54.26	-254.1	-88.6	1,080.0	1,042.5	37.51	28.797		
7,900.0	7,710.9	7,180.2	6,973.8	32.2	25.3	52.63	-250.2	-116.9	1,098.6	1,061.1	37.56	29.247		
7,950.0	7,734.3	7,200.0	6,979.4	32.2	25.4	51.22	-247.6	-135.7	1,116.0	1,078.5	37.53	29.735		
8,000.0	7,753.8	7,219.9	6,984.3	32.3	25.6	50.02	-245.0	-154.8	1,131.9	1,094.3	37.63	30.081		
8,050.0	7,769.2	7,250.0	6,990.5	32.4	25.8	49.10	-240.9	-184.0	1,146.5	1,108.5	38.00	30.171		
8,100.0	7,780.4	7,250.0	6,990.5	32.6	25.8	48.09	-240.9	-184.0	1,159.4	1,121.3	38.07	30.455		
8,150.0	7,787.4	7,279.4	6,995.1	32.7	26.0	47.56	-237.0	-212.8	1,170.6	1,131.9	38.68	30.262		
8,204.6	7,790.0	7,300.0	6,997.4	32.9	26.2	47.04	-234.2	-233.0	1,181.0	1,141.7	39.33	30.032		
8,300.0	7,790.0	7,339.2	6,999.8	33.5	26.5	47.76	-228.8	-271.8	1,198.7	1,158.1	40.64	29.497		
8,400.0	7,790.0	7,444.1	7,000.0	34.2	27.6	48.86	-215.9	-375.9	1,217.8	1,175.1	42.69	28.530		
8,500.0	7,790.0	7,590.3	7,000.0	35.2	29.3	49.83	-204.2	-521.6	1,231.3	1,185.9	45.45	27.092		
8,600.0	7,790.0	7,739.2	7,000.0	36.3	31.5	50.33	-200.0	-670.4	1,238.3	1,189.8	48.57	25.495		
8,610.4	7,790.0	7,754.7	7,000.0	36.4	31.7	50.35	-200.0	-685.9	1,238.7	1,189.8	48.91	25.326		
8,700.0	7,790.0	7,872.3	7,000.0	37.6	33.6	50.42	-202.5	-803.5	1,240.0	1,188.3	51.62	24.022		
8,800.0	7,790.0	7,972.3	7,000.0	39.0	35.3	50.45	-205.7	-903.4	1,240.7	1,186.4	54.28	22.857		
8,900.0	7,790.0	8,072.3	7,000.0	40.5	37.1	50.48	-208.9	-1,003.4	1,241.4	1,184.3	57.09	21.747		
9,000.0	7,790.0	8,172.3	7,000.0	42.1	38.9	50.51	-212.1	-1,103.3	1,242.2	1,182.1	60.02	20.696		
9,100.0	7,790.0	8,272.3	7,000.0	43.8	40.8	50.53	-215.3	-1,203.3	1,242.9	1,179.8	63.06	19.709		
9,200.0	7,790.0	8,372.3	7,000.0	45.6	42.8	50.56	-218.6	-1,303.2	1,243.6	1,177.4	66.20	18.786		

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 #124H
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 #124H	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		
9,300.0	7,790.0	8,472.3	7,000.0	47.4	44.8	50.59	-221.8	-1,403.2	1,244.4	1,174.9	69.42	17.925		
9,400.0	7,790.0	8,572.3	7,000.0	49.3	46.9	50.62	-225.0	-1,503.1	1,245.1	1,172.4	72.71	17.124		
9,500.0	7,790.0	8,672.3	7,000.0	51.3	49.0	50.64	-228.2	-1,603.0	1,245.8	1,169.8	76.07	16.378		
9,600.0	7,790.0	8,772.3	7,000.0	53.3	51.1	50.67	-231.4	-1,703.0	1,246.6	1,167.1	79.48	15.684		
9,700.0	7,790.0	8,872.3	7,000.0	55.3	53.3	50.70	-234.6	-1,802.9	1,247.3	1,164.4	82.94	15.039		
9,800.0	7,790.0	8,972.3	7,000.0	57.3	55.4	50.73	-237.8	-1,902.9	1,248.0	1,161.6	86.44	14.438		
9,900.0	7,790.0	9,072.2	7,000.0	59.4	57.6	50.75	-241.0	-2,002.8	1,248.8	1,158.8	89.99	13.877		
10,000.0	7,790.0	9,172.2	7,000.0	61.5	59.9	50.78	-244.2	-2,102.8	1,249.5	1,155.9	93.56	13.355		
10,100.0	7,790.0	9,272.2	7,000.0	63.7	62.1	50.81	-247.5	-2,202.7	1,250.2	1,153.1	97.17	12.866		
10,200.0	7,790.0	9,372.2	7,000.0	65.8	64.3	50.84	-250.7	-2,302.7	1,251.0	1,150.2	100.81	12.410		
10,300.0	7,790.0	9,472.2	7,000.0	68.0	66.6	50.86	-253.9	-2,402.6	1,251.7	1,147.2	104.47	11.982		
10,400.0	7,790.0	9,572.2	7,000.0	70.2	68.9	50.89	-257.1	-2,502.5	1,252.4	1,144.3	108.15	11.580		
10,500.0	7,790.0	9,672.2	7,000.0	72.4	71.2	50.92	-260.3	-2,602.5	1,253.2	1,141.3	111.86	11.203		
10,600.0	7,790.0	9,772.2	7,000.0	74.6	73.5	50.95	-263.5	-2,702.4	1,253.9	1,138.3	115.59	10.848		
10,700.0	7,790.0	9,872.2	7,000.0	76.9	75.8	50.97	-266.7	-2,802.4	1,254.7	1,135.3	119.33	10.514		
10,800.0	7,790.0	9,972.2	7,000.0	79.1	78.1	51.00	-269.9	-2,902.3	1,255.4	1,132.3	123.09	10.199		
10,900.0	7,790.0	10,072.2	7,000.0	81.4	80.4	51.03	-273.1	-3,002.3	1,256.1	1,129.3	126.86	9.902		
11,000.0	7,790.0	10,172.2	7,000.0	83.7	82.8	51.06	-276.4	-3,102.2	1,256.9	1,126.2	130.65	9.620		
11,100.0	7,790.0	10,272.2	7,000.0	85.9	85.1	51.08	-279.6	-3,202.1	1,257.6	1,123.2	134.45	9.354		
11,200.0	7,790.0	10,372.2	7,000.0	88.2	87.4	51.11	-282.8	-3,302.1	1,258.3	1,120.1	138.27	9.101		
11,300.0	7,790.0	10,472.2	7,000.0	90.5	89.8	51.14	-286.0	-3,402.0	1,259.1	1,117.0	142.09	8.861		
11,400.0	7,790.0	10,572.2	7,000.0	92.8	92.1	51.16	-289.2	-3,502.0	1,259.8	1,113.9	145.93	8.633		
11,500.0	7,790.0	10,672.2	7,000.0	95.2	94.5	51.19	-292.4	-3,601.9	1,260.6	1,110.8	149.77	8.416		
11,600.0	7,790.0	10,772.2	7,000.0	97.5	96.9	51.22	-295.6	-3,701.9	1,261.3	1,107.7	153.63	8.210		
11,700.0	7,790.0	10,872.2	7,000.0	99.8	99.2	51.25	-298.8	-3,801.8	1,262.0	1,104.5	157.49	8.013		
11,800.0	7,790.0	10,972.2	7,000.0	102.1	101.6	51.27	-302.0	-3,901.8	1,262.8	1,101.4	161.37	7.826		
11,900.0	7,790.0	11,072.2	7,000.0	104.5	104.0	51.30	-305.3	-4,001.7	1,263.5	1,098.3	165.25	7.646		
12,000.0	7,790.0	11,172.2	7,000.0	106.8	106.3	51.33	-308.5	-4,101.6	1,264.3	1,095.1	169.14	7.475		
12,100.0	7,790.0	11,272.1	7,000.0	109.2	108.7	51.35	-311.7	-4,201.6	1,265.0	1,092.0	173.03	7.311		
12,200.0	7,790.0	11,372.1	7,000.0	111.5	111.1	51.38	-314.9	-4,301.5	1,265.7	1,088.8	176.93	7.154		
12,300.0	7,790.0	11,472.1	7,000.0	113.9	113.5	51.41	-318.1	-4,401.5	1,266.5	1,085.6	180.84	7.003		
12,400.0	7,790.0	11,572.1	7,000.0	116.2	115.9	51.43	-321.3	-4,501.4	1,267.2	1,082.5	184.76	6.859		
12,500.0	7,790.0	11,672.1	7,000.0	118.6	118.3	51.46	-324.5	-4,601.4	1,268.0	1,079.3	188.68	6.720		
12,600.0	7,790.0	11,772.1	7,000.0	120.9	120.7	51.49	-327.7	-4,701.3	1,268.7	1,076.1	192.61	6.587		
12,700.0	7,790.0	11,872.1	7,000.0	123.3	123.1	51.51	-330.9	-4,801.2	1,269.5	1,072.9	196.54	6.459		
12,800.0	7,790.0	11,972.1	7,000.0	125.7	125.5	51.54	-334.2	-4,901.2	1,270.2	1,069.7	200.48	6.336		
12,900.0	7,790.0	12,072.1	7,000.0	128.0	127.9	51.57	-337.4	-5,001.1	1,270.9	1,066.5	204.43	6.217		
13,000.0	7,790.0	12,172.1	7,000.0	130.4	130.3	51.59	-340.6	-5,101.1	1,271.7	1,063.3	208.38	6.103		
13,100.0	7,790.0	12,272.1	7,000.0	132.8	132.7	51.62	-343.8	-5,201.0	1,272.4	1,060.1	212.33	5.993		
13,200.0	7,790.0	12,372.1	7,000.0	135.2	135.1	51.65	-347.0	-5,301.0	1,273.2	1,056.9	216.29	5.886		
13,300.0	7,790.0	12,472.1	7,000.0	137.6	137.5	51.67	-350.2	-5,400.9	1,273.9	1,053.7	220.26	5.784		
13,400.0	7,790.0	12,572.1	7,000.0	139.9	139.9	51.70	-353.4	-5,500.9	1,274.7	1,050.4	224.23	5.685		
13,500.0	7,790.0	12,672.1	7,000.0	142.3	142.3	51.73	-356.6	-5,600.8	1,275.4	1,047.2	228.20	5.589		
13,600.0	7,790.0	12,772.1	7,000.0	144.7	144.7	51.75	-359.8	-5,700.7	1,276.2	1,044.0	232.18	5.496		
13,700.0	7,790.0	12,872.1	7,000.0	147.1	147.1	51.78	-363.0	-5,800.7	1,276.9	1,040.7	236.16	5.407		
13,800.0	7,790.0	12,972.1	7,000.0	149.5	149.5	51.80	-366.3	-5,900.6	1,277.6	1,037.5	240.15	5.320		
13,900.0	7,790.0	13,072.1	7,000.0	151.9	151.9	51.83	-369.5	-6,000.6	1,278.4	1,034.3	244.14	5.236		
14,000.0	7,790.0	13,172.1	7,000.0	154.3	154.3	51.86	-372.7	-6,100.5	1,279.1	1,031.0	248.13	5.155		
14,100.0	7,790.0	13,272.1	7,000.0	156.7	156.8	51.88	-375.9	-6,200.5	1,279.9	1,027.8	252.13	5.076		
14,200.0	7,790.0	13,372.1	7,000.0	159.1	159.2	51.91	-379.1	-6,300.4	1,280.6	1,024.5	256.13	5.000		
14,300.0	7,790.0	13,472.1	7,000.0	161.5	161.6	51.94	-382.3	-6,400.4	1,281.4	1,021.2	260.14	4.926		
14,400.0	7,790.0	13,572.0	7,000.0	163.9	164.0	51.96	-385.5	-6,500.3	1,282.1	1,018.0	264.14	4.854		

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 #124H
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 #124H	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		
14,500.0	7,790.0	13,672.0	7,000.0	166.3	166.4	51.99	-388.7	-6,600.2	1,282.9	1,014.7	268.16	4.784		
14,600.0	7,790.0	13,772.0	7,000.0	168.7	168.8	52.01	-391.9	-6,700.2	1,283.6	1,011.4	272.17	4.716		
14,700.0	7,790.0	13,872.0	7,000.0	171.1	171.3	52.04	-395.2	-6,800.1	1,284.4	1,008.2	276.19	4.650		
14,800.0	7,790.0	13,972.0	7,000.0	173.5	173.7	52.07	-398.4	-6,900.1	1,285.1	1,004.9	280.22	4.586		
14,900.0	7,790.0	14,072.0	7,000.0	175.9	176.1	52.09	-401.6	-7,000.0	1,285.9	1,001.6	284.24	4.524		
15,000.0	7,790.0	14,172.0	7,000.0	178.3	178.5	52.12	-404.8	-7,100.0	1,286.6	998.3	288.27	4.463		
15,100.0	7,790.0	14,272.0	7,000.0	180.7	180.9	52.14	-408.0	-7,199.9	1,287.4	995.1	292.31	4.404		
15,200.0	7,790.0	14,372.0	7,000.0	183.1	183.4	52.17	-411.2	-7,299.8	1,288.1	991.8	296.34	4.347		
15,300.0	7,790.0	14,472.0	7,000.0	185.5	185.8	52.20	-414.4	-7,399.8	1,288.9	988.5	300.38	4.291		
15,400.0	7,790.0	14,572.0	7,000.0	188.0	188.2	52.22	-417.6	-7,499.7	1,289.6	985.2	304.42	4.236		
15,500.0	7,790.0	14,672.0	7,000.0	190.4	190.6	52.25	-420.8	-7,599.7	1,290.4	981.9	308.47	4.183		
15,600.0	7,790.0	14,772.0	7,000.0	192.8	193.1	52.27	-424.1	-7,699.6	1,291.1	978.6	312.52	4.131		
15,700.0	7,790.0	14,872.0	7,000.0	195.2	195.5	52.30	-427.3	-7,799.6	1,291.9	975.3	316.57	4.081		
15,800.0	7,790.0	14,972.0	7,000.0	197.6	197.9	52.33	-430.5	-7,899.5	1,292.6	972.0	320.62	4.032		
15,900.0	7,790.0	15,072.0	7,000.0	200.0	200.3	52.35	-433.7	-7,999.5	1,293.4	968.7	324.68	3.984		
16,000.0	7,790.0	15,172.0	7,000.0	202.4	202.8	52.38	-436.9	-8,099.4	1,294.1	965.4	328.74	3.937		
16,100.0	7,790.0	15,272.0	7,000.0	204.9	205.2	52.40	-440.1	-8,199.3	1,294.9	962.1	332.80	3.891		
16,200.0	7,790.0	15,372.0	7,000.0	207.3	207.6	52.43	-443.3	-8,299.3	1,295.6	958.8	336.87	3.846		
16,300.0	7,790.0	15,472.0	7,000.0	209.7	210.1	52.45	-446.5	-8,399.2	1,296.4	955.4	340.94	3.802		
16,400.0	7,790.0	15,572.0	7,000.0	212.1	212.5	52.48	-449.7	-8,499.2	1,297.1	952.1	345.01	3.760		
16,500.0	7,790.0	15,672.0	7,000.0	214.5	214.9	52.50	-453.0	-8,599.1	1,297.9	948.8	349.08	3.718		
16,600.0	7,790.0	15,771.9	7,000.0	216.9	217.3	52.53	-456.2	-8,699.1	1,298.6	945.5	353.16	3.677		
16,700.0	7,790.0	15,871.9	7,000.0	219.4	219.8	52.56	-459.4	-8,799.0	1,299.4	942.1	357.24	3.637		
16,800.0	7,790.0	15,971.9	7,000.0	221.8	222.2	52.58	-462.6	-8,898.9	1,300.1	938.8	361.32	3.598		
16,900.0	7,790.0	16,071.9	7,000.0	224.2	224.6	52.61	-465.8	-8,998.9	1,300.9	935.5	365.41	3.560		
17,000.0	7,790.0	16,171.9	7,000.0	226.6	227.1	52.63	-469.0	-9,098.8	1,301.6	932.2	369.50	3.523		
17,100.0	7,790.0	16,271.9	7,000.0	229.1	229.5	52.66	-472.2	-9,198.8	1,302.4	928.8	373.59	3.486		
17,200.0	7,790.0	16,371.9	7,000.0	231.5	231.9	52.68	-475.4	-9,298.7	1,303.2	925.5	377.68	3.450		
17,300.0	7,790.0	16,471.9	7,000.0	233.9	234.4	52.71	-478.6	-9,398.7	1,303.9	922.1	381.77	3.415		
17,400.0	7,790.0	16,571.9	7,000.0	236.3	236.8	52.73	-481.9	-9,498.6	1,304.7	918.8	385.87	3.381		
17,500.0	7,790.0	16,671.9	7,000.0	238.7	239.2	52.76	-485.1	-9,598.6	1,305.4	915.4	389.97	3.347		
17,600.0	7,790.0	16,771.9	7,000.0	241.2	241.7	52.78	-488.3	-9,698.5	1,306.2	912.1	394.07	3.315		
17,700.0	7,790.0	16,871.9	7,000.0	243.6	244.1	52.81	-491.5	-9,798.4	1,306.9	908.8	398.18	3.282		
17,800.0	7,790.0	16,971.9	7,000.0	246.0	246.5	52.83	-494.7	-9,898.4	1,307.7	905.4	402.29	3.251		
17,900.0	7,790.0	17,071.9	7,000.0	248.4	249.0	52.86	-497.9	-9,998.3	1,308.4	902.0	406.40	3.220		
18,000.0	7,790.0	17,171.9	7,000.0	250.9	251.4	52.88	-501.1	-10,098.3	1,309.2	898.7	410.51	3.189		
18,100.0	7,790.0	17,271.9	7,000.0	253.3	253.8	52.91	-504.3	-10,198.2	1,310.0	895.3	414.63	3.159		
18,154.3	7,790.0	17,292.9	7,000.0	254.6	254.3	52.91	-505.0	-10,219.2	1,310.8	895.0	415.76	3.153 SF		

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 #124H
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 #124H	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	599.9	599.9	1.9	1.9	-74.23	-0.9	30.2	29.9	26.1	3.81	7.861		
700.0	700.0	699.8	699.8	2.2	2.2	-74.13	-3.4	30.7	29.7	25.2	4.47	6.641		
800.0	799.9	799.7	799.6	2.6	2.6	-73.97	-7.7	31.5	29.3	24.2	5.16	5.690		
900.0	899.7	899.6	899.3	2.9	2.9	-73.74	-13.7	32.6	28.8	23.0	5.85	4.922		
1,000.0	999.4	999.5	998.9	3.3	3.3	-73.43	-21.4	34.1	28.1	21.6	6.57	4.286		
1,100.0	1,098.9	1,099.4	1,098.3	3.7	3.6	-73.03	-30.8	35.8	27.3	20.0	7.30	3.747		
1,200.0	1,198.3	1,199.3	1,197.6	4.0	4.0	-72.53	-41.9	37.9	26.4	18.3	8.04	3.280		
1,300.0	1,297.4	1,299.2	1,296.6	4.4	4.4	-71.90	-54.7	40.4	25.3	16.5	8.81	2.869		
1,400.0	1,396.3	1,399.1	1,395.4	4.8	4.8	-71.12	-69.2	43.1	24.0	14.4	9.60	2.505		
1,506.8	1,501.6	1,505.7	1,500.6	5.2	5.2	-70.08	-86.5	46.4	22.6	12.1	10.46	2.156		
1,600.0	1,593.4	1,598.9	1,592.1	5.6	5.6	-67.02	-103.2	49.6	21.4	10.2	11.22	1.909		
1,691.0	1,683.0	1,689.7	1,681.2	6.0	6.0	-60.01	-120.9	52.9	21.0	9.0	11.94	1.755 CC		
1,700.0	1,691.9	1,698.7	1,689.9	6.1	6.1	-59.11	-122.7	53.3	21.0	9.0	12.00	1.746 ES		
1,800.0	1,790.3	1,798.4	1,787.3	6.5	6.5	-47.25	-143.9	57.3	21.9	9.2	12.70	1.727 SF		
1,900.0	1,888.8	1,897.9	1,884.1	6.9	7.0	-34.19	-166.7	61.6	25.1	11.8	13.30	1.885		
2,000.0	1,987.2	1,997.2	1,980.2	7.4	7.5	-22.86	-191.1	66.2	30.7	16.9	13.88	2.215		
2,100.0	2,085.7	2,096.2	2,075.6	7.8	8.0	-14.39	-217.0	71.2	38.9	24.4	14.49	2.682		
2,200.0	2,184.2	2,205.0	2,170.4	8.2	8.6	-8.45	-244.5	76.4	49.1	34.0	15.18	3.237		
2,300.0	2,282.6	2,294.3	2,265.5	8.7	9.0	-4.49	-272.5	81.7	60.2	44.4	15.86	3.798		
2,400.0	2,381.1	2,393.6	2,360.6	9.1	9.6	-1.77	-300.6	87.0	71.6	55.0	16.60	4.310		
2,500.0	2,479.5	2,507.1	2,455.8	9.6	10.2	0.20	-328.6	92.3	83.0	65.6	17.41	4.766		
2,600.0	2,578.0	2,607.8	2,550.9	10.0	10.7	1.70	-356.7	97.6	94.5	76.3	18.17	5.199		
2,700.0	2,676.5	2,708.4	2,646.0	10.5	11.3	2.87	-384.7	103.0	106.0	87.1	18.94	5.597		
2,800.0	2,774.9	2,809.1	2,741.1	10.9	11.9	3.81	-412.8	108.3	117.6	97.9	19.71	5.965		
2,900.0	2,873.4	2,890.2	2,836.2	11.4	12.3	4.58	-440.8	113.6	129.2	108.8	20.41	6.330		
3,000.0	2,971.8	2,989.5	2,931.4	11.8	12.9	5.23	-468.8	118.9	140.8	119.6	21.18	6.648		
3,100.0	3,070.3	3,088.8	3,026.5	12.3	13.4	5.77	-496.9	124.2	152.5	130.5	21.95	6.944		
3,200.0	3,168.8	3,188.1	3,121.6	12.7	14.0	6.24	-524.9	129.6	164.1	141.4	22.73	7.220		
3,300.0	3,267.2	3,287.4	3,216.7	13.2	14.6	6.65	-553.0	134.9	175.8	152.3	23.51	7.477		
3,400.0	3,365.7	3,386.7	3,311.8	13.6	15.1	7.00	-581.0	140.2	187.4	163.1	24.28	7.718		
3,500.0	3,464.1	3,486.0	3,407.0	14.1	15.7	7.32	-609.1	145.5	199.1	174.0	25.06	7.944		
3,600.0	3,562.6	3,585.4	3,502.1	14.5	16.3	7.60	-637.1	150.8	210.8	184.9	25.84	8.156		
3,700.0	3,661.1	3,684.7	3,597.2	15.0	16.9	7.85	-665.2	156.2	222.5	195.8	26.62	8.355		
3,800.0	3,759.5	3,784.0	3,692.3	15.4	17.4	8.07	-693.2	161.5	234.1	206.7	27.41	8.544		
3,900.0	3,858.0	3,883.3	3,787.4	15.9	18.0	8.28	-721.3	166.8	245.8	217.6	28.19	8.721		
4,000.0	3,956.4	3,982.6	3,882.6	16.3	18.6	8.46	-749.3	172.1	257.5	228.6	28.97	8.889		
4,100.0	4,054.9	4,081.9	3,977.7	16.8	19.1	8.63	-777.3	177.4	269.2	239.5	29.76	9.048		
4,200.0	4,153.4	4,181.2	4,072.8	17.3	19.7	8.78	-805.4	182.7	280.9	250.4	30.54	9.199		
4,300.0	4,251.8	4,280.5	4,167.9	17.7	20.3	8.93	-833.4	188.1	292.6	261.3	31.32	9.342		
4,400.0	4,350.3	4,379.8	4,263.0	18.2	20.9	9.06	-861.5	193.4	304.3	272.2	32.11	9.478		
4,500.0	4,448.7	4,479.1	4,358.2	18.6	21.4	9.18	-889.5	198.7	316.0	283.1	32.89	9.607		
4,600.0	4,547.2	4,578.5	4,453.3	19.1	22.0	9.29	-917.6	204.0	327.7	294.0	33.68	9.730		
4,700.0	4,645.7	4,677.8	4,548.4	19.5	22.6	9.40	-945.6	209.3	339.4	305.0	34.47	9.848		
4,800.0	4,744.1	4,777.1	4,643.5	20.0	23.2	9.50	-973.7	214.7	351.1	315.9	35.25	9.960		
4,900.0	4,842.6	4,876.4	4,738.6	20.4	23.8	9.59	-1,001.7	220.0	362.8	326.8	36.04	10.068		
5,000.0	4,941.0	4,975.7	4,833.8	20.9	24.3	9.68	-1,029.7	225.3	374.5	337.7	36.83	10.170		

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 #124H
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 #124H	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		
5,100.0	5,039.5	5,075.0	4,928.9	21.4	24.9	9.76	-1,057.8	230.6	386.3	348.6	37.62	10.269		
5,200.0	5,138.0	5,174.3	5,024.0	21.8	25.5	9.83	-1,085.8	235.9	398.0	359.6	38.40	10.363		
5,300.0	5,236.4	5,273.6	5,119.1	22.3	26.1	9.91	-1,113.9	241.3	409.7	370.5	39.19	10.453		
5,400.0	5,334.9	5,372.9	5,214.2	22.7	26.6	9.97	-1,141.9	246.6	421.4	381.4	39.98	10.540		
5,500.0	5,433.3	5,472.3	5,309.4	23.2	27.2	10.04	-1,170.0	251.9	433.1	392.3	40.77	10.623		
5,600.0	5,531.8	5,581.9	5,414.6	23.6	27.8	10.12	-1,199.9	257.6	443.9	402.2	41.68	10.649		
5,700.0	5,630.3	5,694.7	5,523.9	24.1	28.5	10.23	-1,227.8	262.9	451.8	409.2	42.60	10.607		
5,800.0	5,728.7	5,808.0	5,634.4	24.5	29.0	10.38	-1,252.5	267.5	456.8	413.4	43.47	10.508		
5,900.0	5,827.2	5,921.5	5,745.7	25.0	29.6	10.57	-1,274.0	271.6	458.9	414.6	44.30	10.357		
6,000.0	5,925.6	6,035.1	5,857.7	25.5	30.1	10.80	-1,292.2	275.1	458.0	412.9	45.09	10.157		
6,100.0	6,024.1	6,148.5	5,970.1	25.9	30.5	11.08	-1,307.2	277.9	454.1	408.3	45.83	9.908		
6,200.0	6,122.6	6,261.5	6,082.5	26.4	31.0	11.41	-1,318.9	280.1	447.4	400.8	46.53	9.614		
6,300.0	6,221.0	6,373.9	6,194.6	26.8	31.3	11.80	-1,327.2	281.7	437.7	390.5	47.18	9.277		
6,400.0	6,319.5	6,485.6	6,306.1	27.3	31.7	12.26	-1,332.3	282.7	425.1	377.3	47.78	8.897		
6,500.0	6,417.9	6,596.3	6,416.9	27.7	32.0	12.81	-1,334.1	283.0	409.7	361.4	48.33	8.478		
6,600.0	6,516.4	6,687.6	6,507.8	28.2	32.2	14.16	-1,335.2	277.4	393.6	344.4	49.22	7.996		
6,633.4	6,549.3	6,716.6	6,536.5	28.4	32.3	15.05	-1,336.1	272.7	388.8	339.3	49.58	7.842		
6,700.0	6,615.0	6,772.8	6,591.0	28.7	32.4	17.38	-1,338.5	259.5	381.3	330.9	50.38	7.569		
6,791.6	6,705.6	6,845.0	6,658.7	29.0	32.6	21.51	-1,343.1	234.9	377.1	325.5	51.58	7.310		
6,800.0	6,713.9	6,851.2	6,664.3	29.1	32.6	21.93	-1,343.6	232.4	377.1	325.4	51.69	7.295		
6,900.0	6,813.2	6,921.0	6,725.9	29.5	32.7	27.10	-1,349.6	200.3	384.1	331.3	52.79	7.276		
7,000.0	6,912.8	6,981.8	6,776.1	29.9	32.9	32.26	-1,355.9	166.4	404.5	351.3	53.19	7.605		
7,100.0	7,012.5	7,034.2	6,816.1	30.2	33.0	37.07	-1,362.1	133.2	438.8	386.1	52.65	8.334		
7,200.0	7,112.5	7,079.1	6,847.8	30.6	33.1	41.40	-1,367.9	102.0	485.8	434.5	51.30	9.470		
7,304.6	7,217.0	7,119.3	6,874.0	30.9	33.1	-150.27	-1,373.4	72.1	546.4	497.0	49.36	11.069		
7,350.0	7,262.4	7,135.6	6,884.0	31.0	33.2	-45.89	-1,375.8	59.5	574.7	526.3	48.43	11.867		
7,400.0	7,312.0	7,150.0	6,892.6	31.1	33.2	-42.31	-1,377.9	48.0	605.1	558.0	47.14	12.837		
7,450.0	7,360.9	7,172.8	6,905.5	31.3	33.2	-38.77	-1,381.4	29.6	634.5	588.3	46.20	13.734		
7,500.0	7,408.7	7,200.0	6,919.9	31.4	33.3	-35.59	-1,385.6	6.9	662.7	617.3	45.42	14.592		
7,550.0	7,455.0	7,211.5	6,925.7	31.5	33.3	-33.43	-1,387.4	-2.9	689.3	645.5	43.85	15.719		
7,600.0	7,499.5	7,231.2	6,935.1	31.6	33.3	-31.31	-1,390.6	-19.9	714.4	671.7	42.68	16.739		
7,650.0	7,541.9	7,250.0	6,943.5	31.7	33.4	-29.53	-1,393.6	-36.4	737.7	696.3	41.49	17.782		
7,700.0	7,581.8	7,271.4	6,952.4	31.8	33.4	-27.97	-1,397.2	-55.6	759.2	718.8	40.45	18.768		
7,750.0	7,618.9	7,300.0	6,963.2	31.9	33.5	-26.56	-1,402.1	-81.6	778.8	739.1	39.69	19.623		
7,800.0	7,653.0	7,312.3	6,967.4	32.0	33.5	-25.59	-1,404.2	-93.0	796.2	757.8	38.38	20.743		
7,850.0	7,683.7	7,332.9	6,973.9	32.1	33.6	-24.69	-1,407.8	-112.2	811.5	774.0	37.48	21.649		
7,900.0	7,710.9	7,350.0	6,978.7	32.2	33.6	-23.98	-1,410.8	-128.3	824.7	788.1	36.58	22.543		
7,950.0	7,734.3	7,374.4	6,984.8	32.2	33.7	-23.36	-1,415.1	-151.6	835.6	799.5	36.04	23.182		
8,000.0	7,753.8	7,400.0	6,990.1	32.3	33.8	-22.89	-1,419.7	-176.2	844.2	808.6	35.65	23.681		
8,050.0	7,769.2	7,416.3	6,992.9	32.4	33.8	-22.59	-1,422.6	-191.9	850.6	815.4	35.20	24.165		
8,100.0	7,780.4	7,437.2	6,995.8	32.6	33.9	-22.39	-1,426.4	-212.3	854.6	819.6	35.04	24.388		
8,150.0	7,787.4	7,450.0	6,997.2	32.7	33.9	-22.31	-1,428.7	-224.8	856.4	821.4	34.97	24.487		
8,204.6	7,790.0	7,481.1	6,999.4	32.9	34.0	-22.35	-1,434.4	-255.3	855.5	820.1	35.34	24.205		
8,254.7	7,790.0	7,502.1	6,999.9	33.2	34.1	-22.39	-1,438.3	-276.0	854.4	818.7	35.79	23.877		
8,300.0	7,790.0	7,546.0	7,000.0	33.5	34.3	-22.44	-1,446.0	-319.1	854.8	818.4	36.37	23.505		
8,400.0	7,790.0	7,658.9	7,000.0	34.2	34.9	-22.56	-1,463.0	-430.7	855.5	817.7	37.76	22.654		
8,500.0	7,790.0	7,771.8	7,000.0	35.2	35.7	-22.64	-1,475.5	-543.0	856.0	816.8	39.22	21.825		
8,600.0	7,790.0	7,884.8	7,000.0	36.3	36.7	-22.70	-1,483.6	-655.7	856.3	815.6	40.73	21.026		
8,610.4	7,790.0	7,896.5	7,000.0	36.4	36.8	-22.71	-1,484.2	-667.4	856.4	815.5	40.88	20.946		
8,700.0	7,790.0	7,988.3	7,000.0	37.6	37.8	-22.71	-1,488.1	-759.0	856.4	814.1	42.27	20.258		
8,800.0	7,790.0	8,088.3	7,000.0	39.0	39.0	-22.71	-1,492.2	-859.0	856.4	812.5	43.89	19.510		
8,900.0	7,790.0	8,188.3	7,000.0	40.5	40.4	-22.71	-1,496.4	-958.9	856.4	810.8	45.58	18.789		

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 #124H
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 #124H	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	8,288.3	7,000.0	42.1	41.9	-22.71	-1,500.5	-1,058.8	856.4	809.1	47.32	18.096		
9,100.0	7,790.0	8,388.3	7,000.0	43.8	43.6	-22.71	-1,504.7	-1,158.7	856.4	807.3	49.12	17.434		
9,200.0	7,790.0	8,488.3	7,000.0	45.6	45.3	-22.71	-1,508.9	-1,258.6	856.4	805.4	50.97	16.803		
9,300.0	7,790.0	8,588.3	7,000.0	47.4	47.1	-22.71	-1,513.0	-1,358.5	856.4	803.5	52.85	16.204		
9,400.0	7,790.0	8,688.3	7,000.0	49.3	49.0	-22.71	-1,517.2	-1,458.4	856.4	801.6	54.78	15.634		
9,500.0	7,790.0	8,788.3	7,000.0	51.3	50.9	-22.71	-1,521.4	-1,558.4	856.4	799.7	56.73	15.095		
9,600.0	7,790.0	8,888.3	7,000.0	53.3	52.9	-22.71	-1,525.5	-1,658.3	856.4	797.7	58.72	14.584		
9,700.0	7,790.0	8,988.3	7,000.0	55.3	54.9	-22.71	-1,529.7	-1,758.2	856.4	795.7	60.74	14.100		
9,800.0	7,790.0	9,088.3	7,000.0	57.3	57.0	-22.71	-1,533.8	-1,858.1	856.4	793.6	62.78	13.641		
9,900.0	7,790.0	9,188.3	7,000.0	59.4	59.1	-22.71	-1,538.0	-1,958.0	856.4	791.6	64.84	13.207		
10,000.0	7,790.0	9,288.3	7,000.0	61.5	61.2	-22.71	-1,542.2	-2,057.9	856.4	789.5	66.93	12.796		
10,100.0	7,790.0	9,388.3	7,000.0	63.7	63.4	-22.71	-1,546.3	-2,157.8	856.4	787.4	69.03	12.406		
10,200.0	7,790.0	9,488.3	7,000.0	65.8	65.5	-22.71	-1,550.5	-2,257.7	856.4	785.2	71.15	12.037		
10,300.0	7,790.0	9,588.3	7,000.0	68.0	67.7	-22.71	-1,554.6	-2,357.7	856.4	783.1	73.28	11.686		
10,400.0	7,790.0	9,688.3	7,000.0	70.2	69.9	-22.71	-1,558.8	-2,457.6	856.4	781.0	75.43	11.353		
10,500.0	7,790.0	9,788.3	7,000.0	72.4	72.1	-22.71	-1,563.0	-2,557.5	856.4	778.8	77.60	11.037		
10,600.0	7,790.0	9,888.3	7,000.0	74.6	74.4	-22.71	-1,567.1	-2,657.4	856.4	776.6	79.77	10.736		
10,700.0	7,790.0	9,988.3	7,000.0	76.9	76.6	-22.71	-1,571.3	-2,757.3	856.4	774.4	81.96	10.450		
10,800.0	7,790.0	10,088.3	7,000.0	79.1	78.9	-22.71	-1,575.4	-2,857.2	856.4	772.3	84.15	10.177		
10,900.0	7,790.0	10,188.3	7,000.0	81.4	81.1	-22.71	-1,579.6	-2,957.1	856.4	770.0	86.36	9.917		
11,000.0	7,790.0	10,288.3	7,000.0	83.7	83.4	-22.71	-1,583.8	-3,057.1	856.4	767.8	88.57	9.669		
11,100.0	7,790.0	10,388.3	7,000.0	85.9	85.7	-22.71	-1,587.9	-3,157.0	856.4	765.6	90.79	9.433		
11,200.0	7,790.0	10,488.3	7,000.0	88.2	88.0	-22.71	-1,592.1	-3,256.9	856.4	763.4	93.02	9.207		
11,300.0	7,790.0	10,588.3	7,000.0	90.5	90.3	-22.71	-1,596.2	-3,356.8	856.4	761.2	95.25	8.991		
11,400.0	7,790.0	10,688.3	7,000.0	92.8	92.6	-22.71	-1,600.4	-3,456.7	856.4	758.9	97.50	8.784		
11,500.0	7,790.0	10,788.3	7,000.0	95.2	94.9	-22.71	-1,604.6	-3,556.6	856.4	756.7	99.74	8.586		
11,600.0	7,790.0	10,888.3	7,000.0	97.5	97.3	-22.71	-1,608.7	-3,656.5	856.4	754.4	102.00	8.396		
11,700.0	7,790.0	10,988.3	7,000.0	99.8	99.6	-22.71	-1,612.9	-3,756.4	856.4	752.2	104.26	8.214		
11,800.0	7,790.0	11,088.3	7,000.0	102.1	101.9	-22.71	-1,617.1	-3,856.4	856.4	749.9	106.52	8.040		
11,900.0	7,790.0	11,188.3	7,000.0	104.5	104.3	-22.71	-1,621.2	-3,956.3	856.4	747.6	108.79	7.872		
12,000.0	7,790.0	11,288.3	7,000.0	106.8	106.6	-22.71	-1,625.4	-4,056.2	856.4	745.3	111.06	7.711		
12,100.0	7,790.0	11,388.3	7,000.0	109.2	109.0	-22.71	-1,629.5	-4,156.1	856.4	743.1	113.34	7.556		
12,200.0	7,790.0	11,488.3	7,000.0	111.5	111.3	-22.71	-1,633.7	-4,256.0	856.4	740.8	115.62	7.407		
12,300.0	7,790.0	11,588.3	7,000.0	113.9	113.7	-22.71	-1,637.9	-4,355.9	856.4	738.5	117.90	7.264		
12,400.0	7,790.0	11,688.3	7,000.0	116.2	116.0	-22.71	-1,642.0	-4,455.8	856.4	736.2	120.19	7.125		
12,500.0	7,790.0	11,788.3	7,000.0	118.6	118.4	-22.71	-1,646.2	-4,555.8	856.4	733.9	122.48	6.992		
12,600.0	7,790.0	11,888.3	7,000.0	120.9	120.8	-22.71	-1,650.3	-4,655.7	856.4	731.6	124.78	6.864		
12,700.0	7,790.0	11,988.3	7,000.0	123.3	123.1	-22.71	-1,654.5	-4,755.6	856.4	729.3	127.07	6.740		
12,800.0	7,790.0	12,088.3	7,000.0	125.7	125.5	-22.71	-1,658.7	-4,855.5	856.4	727.0	129.37	6.620		
12,900.0	7,790.0	12,188.3	7,000.0	128.0	127.9	-22.71	-1,662.8	-4,955.4	856.4	724.7	131.68	6.504		
13,000.0	7,790.0	12,288.3	7,000.0	130.4	130.3	-22.71	-1,667.0	-5,055.3	856.4	722.4	133.98	6.392		
13,100.0	7,790.0	12,388.3	7,000.0	132.8	132.7	-22.71	-1,671.1	-5,155.2	856.4	720.1	136.29	6.284		
13,200.0	7,790.0	12,488.3	7,000.0	135.2	135.0	-22.71	-1,675.3	-5,255.1	856.4	717.8	138.60	6.179		
13,300.0	7,790.0	12,588.3	7,000.0	137.6	137.4	-22.71	-1,679.5	-5,355.1	856.4	715.5	140.91	6.078		
13,400.0	7,790.0	12,688.3	7,000.0	139.9	139.8	-22.71	-1,683.6	-5,455.0	856.4	713.2	143.22	5.980		
13,500.0	7,790.0	12,788.3	7,000.0	142.3	142.2	-22.71	-1,687.8	-5,554.9	856.4	710.9	145.54	5.885		
13,600.0	7,790.0	12,888.3	7,000.0	144.7	144.6	-22.71	-1,691.9	-5,654.8	856.4	708.6	147.85	5.792		
13,700.0	7,790.0	12,988.3	7,000.0	147.1	147.0	-22.71	-1,696.1	-5,754.7	856.4	706.2	150.17	5.703		
13,800.0	7,790.0	13,088.3	7,000.0	149.5	149.4	-22.71	-1,700.3	-5,854.6	856.4	703.9	152.49	5.616		
13,900.0	7,790.0	13,188.3	7,000.0	151.9	151.8	-22.71	-1,704.4	-5,954.5	856.4	701.6	154.81	5.532		
14,000.0	7,790.0	13,288.3	7,000.0	154.3	154.2	-22.71	-1,708.6	-6,054.5	856.4	699.3	157.14	5.450		
14,100.0	7,790.0	13,388.3	7,000.0	156.7	156.6	-22.71	-1,712.8	-6,154.4	856.4	697.0	159.46	5.371		

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 #124H
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 #124H	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	13,488.3	7,000.0	159.1	159.0	-22.71	-1,716.9	-6,254.3	856.4	694.6	161.79	5.293		
14,300.0	7,790.0	13,588.3	7,000.0	161.5	161.4	-22.71	-1,721.1	-6,354.2	856.4	692.3	164.12	5.218		
14,400.0	7,790.0	13,688.3	7,000.0	163.9	163.8	-22.71	-1,725.2	-6,454.1	856.4	690.0	166.44	5.145		
14,500.0	7,790.0	13,788.3	7,000.0	166.3	166.2	-22.71	-1,729.4	-6,554.0	856.4	687.6	168.77	5.074		
14,600.0	7,790.0	13,888.3	7,000.0	168.7	168.6	-22.71	-1,733.6	-6,653.9	856.4	685.3	171.11	5.005		
14,700.0	7,790.0	13,988.3	7,000.0	171.1	171.0	-22.71	-1,737.7	-6,753.8	856.4	683.0	173.44	4.938		
14,800.0	7,790.0	14,088.3	7,000.0	173.5	173.4	-22.71	-1,741.9	-6,853.8	856.4	680.7	175.77	4.872		
14,900.0	7,790.0	14,188.3	7,000.0	175.9	175.8	-22.71	-1,746.0	-6,953.7	856.4	678.3	178.11	4.809		
15,000.0	7,790.0	14,288.3	7,000.0	178.3	178.2	-22.71	-1,750.2	-7,053.6	856.4	676.0	180.44	4.746		
15,100.0	7,790.0	14,388.3	7,000.0	180.7	180.6	-22.71	-1,754.4	-7,153.5	856.4	673.6	182.78	4.686		
15,200.0	7,790.0	14,488.3	7,000.0	183.1	183.0	-22.71	-1,758.5	-7,253.4	856.4	671.3	185.12	4.626		
15,300.0	7,790.0	14,588.3	7,000.0	185.5	185.5	-22.72	-1,762.7	-7,353.3	856.4	669.0	187.45	4.569		
15,400.0	7,790.0	14,688.3	7,000.0	188.0	187.9	-22.72	-1,766.8	-7,453.2	856.4	666.6	189.79	4.512		
15,500.0	7,790.0	14,788.3	7,000.0	190.4	190.3	-22.72	-1,771.0	-7,553.2	856.4	664.3	192.13	4.457		
15,600.0	7,790.0	14,888.3	7,000.0	192.8	192.7	-22.72	-1,775.2	-7,653.1	856.4	662.0	194.47	4.404		
15,700.0	7,790.0	14,988.3	7,000.0	195.2	195.1	-22.72	-1,779.3	-7,753.0	856.4	659.6	196.81	4.351		
15,800.0	7,790.0	15,088.3	7,000.0	197.6	197.5	-22.72	-1,783.5	-7,852.9	856.4	657.3	199.16	4.300		
15,900.0	7,790.0	15,188.3	7,000.0	200.0	199.9	-22.72	-1,787.7	-7,952.8	856.4	654.9	201.50	4.250		
16,000.0	7,790.0	15,288.3	7,000.0	202.4	202.4	-22.72	-1,791.8	-8,052.7	856.4	652.6	203.84	4.201		
16,100.0	7,790.0	15,388.3	7,000.0	204.9	204.8	-22.72	-1,796.0	-8,152.6	856.4	650.2	206.19	4.154		
16,200.0	7,790.0	15,488.3	7,000.0	207.3	207.2	-22.72	-1,800.1	-8,252.5	856.4	647.9	208.53	4.107		
16,300.0	7,790.0	15,588.3	7,000.0	209.7	209.6	-22.72	-1,804.3	-8,352.5	856.4	645.6	210.88	4.061		
16,400.0	7,790.0	15,688.3	7,000.0	212.1	212.0	-22.72	-1,808.5	-8,452.4	856.4	643.2	213.22	4.017		
16,500.0	7,790.0	15,788.3	7,000.0	214.5	214.5	-22.72	-1,812.6	-8,552.3	856.4	640.9	215.57	3.973		
16,600.0	7,790.0	15,888.3	7,000.0	216.9	216.9	-22.72	-1,816.8	-8,652.2	856.4	638.5	217.92	3.930		
16,700.0	7,790.0	15,988.3	7,000.0	219.4	219.3	-22.72	-1,820.9	-8,752.1	856.4	636.2	220.27	3.888		
16,800.0	7,790.0	16,088.3	7,000.0	221.8	221.7	-22.72	-1,825.1	-8,852.0	856.4	633.8	222.61	3.847		
16,900.0	7,790.0	16,188.3	7,000.0	224.2	224.1	-22.72	-1,829.3	-8,951.9	856.4	631.5	224.96	3.807		
17,000.0	7,790.0	16,288.3	7,000.0	226.6	226.6	-22.72	-1,833.4	-9,051.9	856.4	629.1	227.31	3.768		
17,100.0	7,790.0	16,388.3	7,000.0	229.1	229.0	-22.72	-1,837.6	-9,151.8	856.4	626.8	229.66	3.729		
17,200.0	7,790.0	16,488.3	7,000.0	231.5	231.4	-22.72	-1,841.7	-9,251.7	856.4	624.4	232.01	3.691		
17,300.0	7,790.0	16,588.3	7,000.0	233.9	233.8	-22.72	-1,845.9	-9,351.6	856.4	622.1	234.36	3.654		
17,400.0	7,790.0	16,688.3	7,000.0	236.3	236.3	-22.72	-1,850.1	-9,451.5	856.4	619.7	236.71	3.618		
17,500.0	7,790.0	16,788.3	7,000.0	238.7	238.7	-22.72	-1,854.2	-9,551.4	856.4	617.4	239.07	3.582		
17,600.0	7,790.0	16,888.3	7,000.0	241.2	241.1	-22.72	-1,858.4	-9,651.3	856.4	615.0	241.42	3.548		
17,700.0	7,790.0	16,988.3	7,000.0	243.6	243.5	-22.72	-1,862.5	-9,751.3	856.4	612.7	243.77	3.513		
17,800.0	7,790.0	17,088.3	7,000.0	246.0	246.0	-22.72	-1,866.7	-9,851.2	856.4	610.3	246.12	3.480		
17,900.0	7,790.0	17,188.3	7,000.0	248.4	248.4	-22.72	-1,870.9	-9,951.1	856.4	608.0	248.48	3.447		
18,000.0	7,790.0	17,288.3	7,000.0	250.9	250.8	-22.72	-1,875.0	-10,051.0	856.4	605.6	250.83	3.414		
18,100.0	7,790.0	17,388.3	7,000.0	253.3	253.2	-22.72	-1,879.2	-10,150.9	856.4	603.3	253.18	3.383		
18,154.3	7,790.0	17,442.6	7,000.0	254.6	254.6	-22.72	-1,881.5	-10,205.2	856.4	602.0	254.46	3.366		

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 #124H
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 #124H	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	0.00	30.0	0.0	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	0.00	30.0	0.0	30.0	29.7	0.26	117.057		
200.0	200.0	200.0	200.0	0.5	0.5	0.00	30.0	0.0	30.0	29.0	0.97	30.827		
300.0	300.0	300.0	300.0	0.8	0.8	0.00	30.0	0.0	30.0	28.3	1.69	17.751		
400.0	400.0	400.0	400.0	1.2	1.2	0.00	30.0	0.0	30.0	27.6	2.41	12.464		
500.0	500.0	500.0	500.0	1.6	1.6	0.00	30.0	0.0	30.0	26.9	3.12	9.604 CC, ES		
600.0	600.0	600.0	600.0	1.9	1.9	-164.70	30.0	0.0	30.8	27.0	3.82	8.064		
700.0	700.0	700.0	700.0	2.2	2.3	-165.88	30.0	0.0	33.4	28.9	4.52	7.389		
800.0	799.9	800.1	799.9	2.6	2.6	-167.49	30.0	0.0	37.6	32.4	5.22	7.211		
900.0	899.7	900.3	899.7	2.9	3.0	-169.21	30.0	0.0	43.6	37.7	5.92	7.362		
1,000.0	999.4	999.4	999.4	3.3	3.4	-170.84	30.0	0.0	51.3	44.7	6.63	7.746		
1,100.0	1,098.9	1,099.1	1,099.1	3.7	3.7	-171.47	30.0	0.9	60.7	53.3	7.33	8.277		
1,200.0	1,198.3	1,198.7	1,198.7	4.0	4.0	-170.75	29.8	3.4	71.4	63.4	8.02	8.898		
1,300.0	1,297.4	1,298.1	1,298.0	4.4	4.4	-169.23	29.6	7.7	83.6	74.9	8.73	9.580		
1,400.0	1,396.3	1,397.3	1,397.0	4.8	4.7	-167.29	29.3	13.8	97.4	87.9	9.44	10.316		
1,506.8	1,501.6	1,502.9	1,502.3	5.2	5.1	-165.01	28.9	22.0	113.8	103.6	10.20	11.156		
1,600.0	1,593.4	1,594.9	1,593.8	5.6	5.4	-162.93	28.5	30.8	129.1	118.2	10.88	11.864		
1,700.0	1,691.9	1,693.4	1,691.7	6.1	5.8	-160.53	27.9	41.9	145.6	134.0	11.62	12.535		
1,800.0	1,790.3	1,808.4	1,789.1	6.5	6.2	-158.03	27.3	54.5	162.4	150.0	12.43	13.069		
1,900.0	1,888.8	1,889.9	1,886.4	6.9	6.6	-155.67	26.6	68.2	179.5	166.4	13.12	13.683		
2,000.0	1,987.2	1,988.2	1,983.7	7.4	6.9	-153.73	25.9	81.8	196.9	183.0	13.89	14.179		
2,100.0	2,085.7	2,086.5	2,081.1	7.8	7.3	-152.10	25.2	95.5	214.5	199.8	14.66	14.630		
2,200.0	2,184.2	2,184.7	2,178.4	8.2	7.7	-150.72	24.5	109.2	232.2	216.7	15.44	15.040		
2,300.0	2,282.6	2,283.0	2,275.7	8.7	8.1	-149.54	23.9	122.8	250.0	233.7	16.22	15.412		
2,400.0	2,381.1	2,381.3	2,373.0	9.1	8.5	-148.51	23.2	136.5	267.9	250.9	17.00	15.753		
2,500.0	2,479.5	2,479.6	2,470.4	9.6	8.9	-147.61	22.5	150.1	285.8	268.1	17.79	16.064		
2,600.0	2,578.0	2,577.8	2,567.7	10.0	9.3	-146.82	21.8	163.8	303.9	285.3	18.59	16.349		
2,700.0	2,676.5	2,676.1	2,665.0	10.5	9.7	-146.11	21.1	177.5	322.0	302.6	19.38	16.612		
2,800.0	2,774.9	2,774.4	2,762.3	10.9	10.1	-145.48	20.4	191.1	340.1	319.9	20.18	16.854		
2,900.0	2,873.4	2,872.7	2,859.6	11.4	10.5	-144.92	19.8	204.8	358.3	337.3	20.98	17.078		
3,000.0	2,971.8	2,971.0	2,957.0	11.8	10.9	-144.41	19.1	218.5	376.5	354.7	21.78	17.286		
3,100.0	3,070.3	3,069.2	3,054.3	12.3	11.3	-143.94	18.4	232.1	394.7	372.1	22.58	17.478		
3,200.0	3,168.8	3,168.2	3,152.3	12.7	11.7	-143.53	17.7	245.8	412.9	389.5	23.39	17.653		
3,300.0	3,267.2	3,270.0	3,253.3	13.2	12.1	-143.37	17.1	258.1	430.6	406.4	24.21	17.788		
3,400.0	3,365.7	3,372.0	3,354.9	13.6	12.5	-143.57	16.6	267.6	447.5	422.5	25.01	17.895		
3,500.0	3,464.1	3,474.2	3,456.9	14.1	12.9	-144.08	16.3	274.5	463.7	437.9	25.79	17.980		
3,600.0	3,562.6	3,576.4	3,559.0	14.5	13.2	-144.87	16.1	278.6	479.1	452.6	26.54	18.050		
3,700.0	3,661.1	3,678.4	3,661.0	15.0	13.6	-145.91	16.0	280.0	493.9	466.7	27.27	18.110		
3,800.0	3,759.5	3,777.0	3,759.5	15.4	13.9	-147.01	16.0	280.0	508.6	480.6	27.97	18.183		
3,900.0	3,858.0	3,875.4	3,858.0	15.9	14.2	-148.05	16.0	280.0	523.4	494.7	28.66	18.260		
4,000.0	3,956.4	3,973.9	3,956.4	16.3	14.6	-149.03	16.0	280.0	538.4	509.0	29.36	18.337		
4,100.0	4,054.9	4,072.3	4,054.9	16.8	14.9	-149.96	16.0	280.0	553.5	523.4	30.05	18.416		
4,200.0	4,153.4	4,170.8	4,153.4	17.3	15.2	-150.84	16.0	280.0	568.7	538.0	30.75	18.496		
4,300.0	4,251.8	4,269.3	4,251.8	17.7	15.6	-151.67	16.0	280.0	584.1	552.7	31.45	18.575		
4,400.0	4,350.3	4,367.7	4,350.3	18.2	15.9	-152.46	16.0	280.0	599.6	567.5	32.14	18.654		
4,500.0	4,448.7	4,466.2	4,448.7	18.6	16.2	-153.21	16.0	280.0	615.2	582.4	32.84	18.733		
4,600.0	4,547.2	4,564.6	4,547.2	19.1	16.5	-153.92	16.0	280.0	630.9	597.4	33.54	18.811		
4,700.0	4,645.7	4,663.1	4,645.7	19.5	16.9	-154.60	16.0	280.0	646.7	612.5	34.24	18.888		
4,800.0	4,744.1	4,761.6	4,744.1	20.0	17.2	-155.25	16.0	280.0	662.6	627.7	34.94	18.964		
4,900.0	4,842.6	4,860.0	4,842.6	20.4	17.6	-155.87	16.0	280.0	678.5	642.9	35.64	19.039		
5,000.0	4,941.0	4,958.5	4,941.0	20.9	17.9	-156.45	16.0	280.0	694.6	658.2	36.34	19.113		
5,100.0	5,039.5	5,056.9	5,039.5	21.4	18.2	-157.02	16.0	280.0	710.7	673.6	37.04	19.185		

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 #124H
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 #124H	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		
5,200.0	5,138.0	5,155.4	5,138.0	21.8	18.6	-157.55	16.0	280.0	726.8	689.1	37.75	19.256		
5,300.0	5,236.4	5,253.9	5,236.4	22.3	18.9	-158.07	16.0	280.0	743.1	704.6	38.45	19.325		
5,400.0	5,334.9	5,352.3	5,334.9	22.7	19.2	-158.56	16.0	280.0	759.3	720.2	39.15	19.393		
5,500.0	5,433.3	5,450.8	5,433.3	23.2	19.6	-159.03	16.0	280.0	775.7	735.8	39.86	19.460		
5,600.0	5,531.8	5,549.2	5,531.8	23.6	19.9	-159.48	16.0	280.0	792.0	751.5	40.56	19.525		
5,700.0	5,630.3	5,647.7	5,630.3	24.1	20.3	-159.91	16.0	280.0	808.5	767.2	41.27	19.589		
5,800.0	5,728.7	5,746.2	5,728.7	24.5	20.6	-160.33	16.0	280.0	824.9	783.0	41.98	19.652		
5,900.0	5,827.2	5,844.6	5,827.2	25.0	20.9	-160.73	16.0	280.0	841.5	798.8	42.69	19.713		
6,000.0	5,925.6	5,943.1	5,925.6	25.5	21.3	-161.12	16.0	280.0	858.0	814.6	43.39	19.773		
6,100.0	6,024.1	6,041.5	6,024.1	25.9	21.6	-161.49	16.0	280.0	874.6	830.5	44.10	19.831		
6,200.0	6,122.6	6,140.0	6,122.6	26.4	22.0	-161.84	16.0	280.0	891.2	846.4	44.81	19.888		
6,300.0	6,221.0	6,238.5	6,221.0	26.8	22.3	-162.18	16.0	280.0	907.9	862.3	45.52	19.944		
6,400.0	6,319.5	6,336.9	6,319.5	27.3	22.7	-162.52	16.0	280.0	924.5	878.3	46.23	19.998		
6,500.0	6,417.9	6,435.4	6,417.9	27.7	23.0	-162.84	16.0	280.0	941.2	894.3	46.94	20.051		
6,600.0	6,516.4	6,533.8	6,516.4	28.2	23.3	-163.14	16.0	280.0	958.0	910.3	47.65	20.103		
6,633.4	6,549.3	6,566.7	6,549.3	28.4	23.5	-163.24	16.0	280.0	963.6	915.7	47.89	20.120		
6,700.0	6,615.0	6,632.4	6,615.0	28.7	23.7	-163.48	16.0	280.0	974.2	925.8	48.36	20.143		
6,800.0	6,713.9	6,731.3	6,713.9	29.1	24.0	-163.77	16.0	280.0	988.1	939.0	49.07	20.135		
6,900.0	6,813.2	6,830.6	6,813.2	29.5	24.4	-164.01	16.0	280.0	999.5	949.7	49.78	20.079		
7,000.0	6,912.8	6,930.2	6,912.8	29.9	24.7	-164.19	16.0	280.0	1,008.4	957.9	50.48	19.976		
7,100.0	7,012.5	7,030.0	7,012.5	30.2	25.1	-164.32	16.0	280.0	1,014.8	963.6	51.18	19.828		
7,200.0	7,112.5	7,129.9	7,112.5	30.6	25.4	-164.40	16.0	280.0	1,018.7	966.8	51.88	19.637		
7,304.6	7,217.0	7,234.4	7,217.0	30.9	25.8	-0.17	16.0	280.0	1,020.1	967.5	52.58	19.400		
7,350.0	7,262.4	7,269.0	7,251.5	31.0	25.9	100.29	16.2	279.0	1,020.7	967.9	52.80	19.332		
7,400.0	7,312.0	7,307.0	7,289.3	31.1	26.0	100.17	16.8	275.5	1,022.6	969.6	53.02	19.286		
7,450.0	7,360.9	7,344.9	7,326.8	31.3	26.1	99.95	17.9	269.6	1,025.9	972.6	53.23	19.272		
7,500.0	7,408.7	7,382.9	7,363.8	31.4	26.2	99.64	19.3	261.2	1,030.5	977.1	53.43	19.288		
7,550.0	7,455.0	7,420.9	7,400.2	31.5	26.4	99.25	21.2	250.4	1,036.4	982.8	53.61	19.331		
7,600.0	7,499.5	7,458.8	7,435.7	31.6	26.5	98.77	23.6	237.3	1,043.6	989.8	53.79	19.400		
7,650.0	7,541.9	7,496.8	7,470.3	31.7	26.6	98.21	26.3	221.9	1,051.9	998.0	53.97	19.491		
7,700.0	7,581.8	7,534.7	7,503.7	31.8	26.7	97.57	29.4	204.3	1,061.5	1,007.3	54.16	19.601		
7,750.0	7,618.9	7,572.7	7,535.9	31.9	26.8	96.86	32.9	184.5	1,072.1	1,017.8	54.35	19.726		
7,800.0	7,653.0	7,610.7	7,566.8	32.0	26.9	96.08	36.8	162.7	1,083.8	1,029.2	54.57	19.862		
7,850.0	7,683.7	7,648.8	7,596.2	32.1	27.0	95.23	41.0	138.8	1,096.4	1,041.6	54.80	20.006		
7,900.0	7,710.9	7,687.1	7,624.0	32.2	27.1	94.33	45.6	112.9	1,109.9	1,054.8	55.08	20.151		
7,950.0	7,734.3	7,725.5	7,650.1	32.2	27.2	93.38	50.5	85.2	1,124.1	1,068.7	55.39	20.296		
8,000.0	7,753.8	7,764.2	7,674.4	32.3	27.3	92.39	55.8	55.6	1,139.1	1,083.4	55.74	20.437		
8,050.0	7,769.2	7,803.1	7,696.8	32.4	27.5	91.37	61.3	24.2	1,154.7	1,098.6	56.13	20.570		
8,100.0	7,780.4	7,842.5	7,717.2	32.6	27.7	90.32	67.2	-9.0	1,170.8	1,114.2	56.58	20.692		
8,150.0	7,787.4	7,882.4	7,735.4	32.7	27.8	89.27	73.4	-43.9	1,187.3	1,130.2	57.08	20.801		
8,204.6	7,790.0	7,926.6	7,752.7	32.9	28.1	88.12	80.5	-84.0	1,205.7	1,148.0	57.67	20.905		
8,300.0	7,790.0	8,009.0	7,776.3	33.5	28.6	89.33	94.3	-161.6	1,237.1	1,178.3	58.88	21.011		
8,400.0	7,790.0	8,102.2	7,789.1	34.2	29.3	89.96	110.4	-252.5	1,267.4	1,206.9	60.41	20.978		
8,500.0	7,790.0	8,251.2	7,790.0	35.2	30.7	90.00	134.0	-399.5	1,293.0	1,230.1	62.95	20.542		
8,600.0	7,790.0	8,432.0	7,790.0	36.3	32.8	90.00	152.6	-579.3	1,309.5	1,243.0	66.55	19.679		
8,610.4	7,790.0	8,451.0	7,790.0	36.4	33.1	90.00	153.9	-598.2	1,310.7	1,243.7	66.96	19.573		
8,700.0	7,790.0	8,616.1	7,790.0	37.6	35.4	90.00	159.9	-763.2	1,317.6	1,246.8	70.80	18.611		
8,800.0	7,790.0	8,780.5	7,790.0	39.0	38.0	90.00	156.5	-927.5	1,319.5	1,244.4	75.10	17.569		
8,900.0	7,790.0	8,880.5	7,790.0	40.5	39.7	90.00	152.3	-1,027.5	1,319.5	1,241.1	78.43	16.823		
9,000.0	7,790.0	8,980.5	7,790.0	42.1	41.5	90.00	148.1	-1,127.4	1,319.5	1,237.6	81.91	16.109		
9,100.0	7,790.0	9,080.5	7,790.0	43.8	43.3	90.00	144.0	-1,227.3	1,319.5	1,234.0	85.53	15.427		
9,200.0	7,790.0	9,180.5	7,790.0	45.6	45.2	90.00	139.8	-1,327.2	1,319.5	1,230.2	89.27	14.781		

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 #124H
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 #124H	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 State Com #123H - Wellbore #1 - State Plan #1													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)						
9,300.0	7,790.0	9,280.5	7,790.0	47.4	47.1	90.00	135.7	-1,427.1	1,319.5	1,226.4	93.12	14.170		
9,400.0	7,790.0	9,380.5	7,790.0	49.3	49.1	90.00	131.5	-1,527.0	1,319.5	1,222.5	97.06	13.595		
9,500.0	7,790.0	9,480.5	7,790.0	51.3	51.1	90.00	127.4	-1,626.9	1,319.5	1,218.4	101.08	13.054		
9,600.0	7,790.0	9,580.5	7,790.0	53.3	53.2	90.00	123.2	-1,726.9	1,319.5	1,214.3	105.18	12.546		
9,700.0	7,790.0	9,680.5	7,790.0	55.3	55.3	90.00	119.1	-1,826.8	1,319.5	1,210.2	109.34	12.068		
9,800.0	7,790.0	9,780.5	7,790.0	57.3	57.4	90.00	114.9	-1,926.7	1,319.5	1,206.0	113.56	11.620		
9,900.0	7,790.0	9,880.5	7,790.0	59.4	59.5	90.00	110.7	-2,026.6	1,319.5	1,201.7	117.83	11.199		
10,000.0	7,790.0	9,980.5	7,790.0	61.5	61.7	90.00	106.6	-2,126.5	1,319.5	1,197.4	122.14	10.803		
10,100.0	7,790.0	10,080.5	7,790.0	63.7	63.9	90.00	102.4	-2,226.4	1,319.5	1,193.0	126.50	10.431		
10,200.0	7,790.0	10,180.5	7,790.0	65.8	66.1	90.00	98.3	-2,326.3	1,319.5	1,188.6	130.90	10.081		
10,300.0	7,790.0	10,280.5	7,790.0	68.0	68.3	90.00	94.1	-2,426.2	1,319.5	1,184.2	135.33	9.751		
10,400.0	7,790.0	10,380.5	7,790.0	70.2	70.5	90.00	90.0	-2,526.2	1,319.5	1,179.8	139.79	9.440		
10,500.0	7,790.0	10,480.5	7,790.0	72.4	72.8	90.00	85.8	-2,626.1	1,319.6	1,175.3	144.28	9.146		
10,600.0	7,790.0	10,580.5	7,790.0	74.6	75.0	90.00	81.7	-2,726.0	1,319.6	1,170.8	148.79	8.869		
10,700.0	7,790.0	10,680.5	7,790.0	76.9	77.3	90.00	77.5	-2,825.9	1,319.6	1,166.2	153.32	8.606		
10,800.0	7,790.0	10,780.5	7,790.0	79.1	79.6	90.00	73.3	-2,925.8	1,319.6	1,161.7	157.88	8.358		
10,900.0	7,790.0	10,880.5	7,790.0	81.4	81.9	90.00	69.2	-3,025.7	1,319.6	1,157.1	162.46	8.123		
11,000.0	7,790.0	10,980.5	7,790.0	83.7	84.2	90.00	65.0	-3,125.6	1,319.6	1,152.5	167.05	7.899		
11,100.0	7,790.0	11,080.5	7,790.0	85.9	86.5	90.00	60.9	-3,225.6	1,319.6	1,147.9	171.66	7.687		
11,200.0	7,790.0	11,180.5	7,790.0	88.2	88.8	90.00	56.7	-3,325.5	1,319.6	1,143.3	176.29	7.485		
11,300.0	7,790.0	11,280.5	7,790.0	90.5	91.1	90.00	52.6	-3,425.4	1,319.6	1,138.7	180.93	7.294		
11,400.0	7,790.0	11,380.5	7,790.0	92.8	93.4	90.00	48.4	-3,525.3	1,319.6	1,134.0	185.58	7.111		
11,500.0	7,790.0	11,480.5	7,790.0	95.2	95.8	90.00	44.3	-3,625.2	1,319.6	1,129.4	190.24	6.936		
11,600.0	7,790.0	11,580.5	7,790.0	97.5	98.1	90.00	40.1	-3,725.1	1,319.6	1,124.7	194.91	6.770		
11,700.0	7,790.0	11,680.5	7,790.0	99.8	100.5	90.00	35.9	-3,825.0	1,319.6	1,120.0	199.60	6.611		
11,800.0	7,790.0	11,780.5	7,790.0	102.1	102.8	90.00	31.8	-3,925.0	1,319.6	1,115.3	204.29	6.459		
11,900.0	7,790.0	11,880.5	7,790.0	104.5	105.2	90.00	27.6	-4,024.9	1,319.6	1,110.6	209.00	6.314		
12,000.0	7,790.0	11,980.5	7,790.0	106.8	107.5	90.00	23.5	-4,124.8	1,319.6	1,105.9	213.71	6.175		
12,100.0	7,790.0	12,080.5	7,790.0	109.2	109.9	90.00	19.3	-4,224.7	1,319.6	1,101.2	218.43	6.041		
12,200.0	7,790.0	12,180.5	7,790.0	111.5	112.2	90.00	15.2	-4,324.6	1,319.6	1,096.5	223.15	5.914		
12,300.0	7,790.0	12,280.5	7,790.0	113.9	114.6	90.00	11.0	-4,424.5	1,319.6	1,091.7	227.89	5.791		
12,400.0	7,790.0	12,380.5	7,790.0	116.2	117.0	90.00	6.9	-4,524.4	1,319.6	1,087.0	232.63	5.673		
12,500.0	7,790.0	12,480.5	7,790.0	118.6	119.4	90.00	2.7	-4,624.3	1,319.6	1,082.3	237.37	5.559		
12,600.0	7,790.0	12,580.5	7,790.0	120.9	121.7	90.00	-1.5	-4,724.3	1,319.6	1,077.5	242.12	5.450		
12,700.0	7,790.0	12,680.5	7,790.0	123.3	124.1	90.00	-5.6	-4,824.2	1,319.6	1,072.8	246.88	5.345		
12,800.0	7,790.0	12,780.5	7,790.0	125.7	126.5	90.00	-9.8	-4,924.1	1,319.6	1,068.0	251.64	5.244		
12,900.0	7,790.0	12,880.5	7,790.0	128.0	128.9	90.00	-13.9	-5,024.0	1,319.6	1,063.2	256.41	5.147		
13,000.0	7,790.0	12,980.5	7,790.0	130.4	131.3	90.00	-18.1	-5,123.9	1,319.7	1,058.5	261.18	5.053		
13,100.0	7,790.0	13,080.5	7,790.0	132.8	133.7	90.00	-22.2	-5,223.8	1,319.7	1,053.7	265.95	4.962		
13,200.0	7,790.0	13,180.5	7,790.0	135.2	136.0	90.00	-26.4	-5,323.7	1,319.7	1,048.9	270.73	4.874		
13,300.0	7,790.0	13,280.5	7,790.0	137.6	138.4	90.00	-30.5	-5,423.7	1,319.7	1,044.2	275.51	4.790		
13,400.0	7,790.0	13,380.5	7,790.0	139.9	140.8	90.00	-34.7	-5,523.6	1,319.7	1,039.4	280.30	4.708		
13,500.0	7,790.0	13,480.5	7,790.0	142.3	143.2	90.00	-38.9	-5,623.5	1,319.7	1,034.6	285.09	4.629		
13,600.0	7,790.0	13,580.5	7,790.0	144.7	145.6	90.00	-43.0	-5,723.4	1,319.7	1,029.8	289.88	4.552		
13,700.0	7,790.0	13,680.5	7,790.0	147.1	148.0	90.00	-47.2	-5,823.3	1,319.7	1,025.0	294.68	4.478		
13,800.0	7,790.0	13,780.5	7,790.0	149.5	150.4	90.00	-51.3	-5,923.2	1,319.7	1,020.2	299.48	4.407		
13,900.0	7,790.0	13,880.5	7,790.0	151.9	152.8	90.00	-55.5	-6,023.1	1,319.7	1,015.4	304.28	4.337		
14,000.0	7,790.0	13,980.5	7,790.0	154.3	155.2	90.00	-59.6	-6,123.1	1,319.7	1,010.6	309.08	4.270		
14,100.0	7,790.0	14,080.5	7,790.0	156.7	157.6	90.00	-63.8	-6,223.0	1,319.7	1,005.8	313.89	4.204		
14,200.0	7,790.0	14,180.5	7,790.0	159.1	160.0	90.00	-68.0	-6,322.9	1,319.7	1,001.0	318.70	4.141		
14,300.0	7,790.0	14,280.5	7,790.0	161.5	162.4	90.00	-72.1	-6,422.8	1,319.7	996.2	323.51	4.079		
14,400.0	7,790.0	14,380.5	7,790.0	163.9	164.8	90.00	-76.3	-6,522.7	1,319.7	991.4	328.33	4.019		

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 #124H
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 #124H	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		
14,500.0	7,790.0	14,480.5	7,790.0	166.3	167.3	90.00	-80.4	-6,622.6	1,319.7	986.6	333.14	3.961		
14,600.0	7,790.0	14,580.5	7,790.0	168.7	169.7	90.00	-84.6	-6,722.5	1,319.7	981.8	337.96	3.905		
14,700.0	7,790.0	14,680.5	7,790.0	171.1	172.1	90.00	-88.7	-6,822.4	1,319.7	976.9	342.78	3.850		
14,800.0	7,790.0	14,780.5	7,790.0	173.5	174.5	90.00	-92.9	-6,922.4	1,319.7	972.1	347.60	3.797		
14,900.0	7,790.0	14,880.5	7,790.0	175.9	176.9	90.00	-97.0	-7,022.3	1,319.7	967.3	352.43	3.745		
15,000.0	7,790.0	14,980.5	7,790.0	178.3	179.3	90.00	-101.2	-7,122.2	1,319.7	962.5	357.25	3.694		
15,100.0	7,790.0	15,080.5	7,790.0	180.7	181.7	90.00	-105.4	-7,222.1	1,319.7	957.7	362.08	3.645		
15,200.0	7,790.0	15,180.5	7,790.0	183.1	184.1	90.00	-109.5	-7,322.0	1,319.7	952.8	366.91	3.597		
15,300.0	7,790.0	15,280.5	7,790.0	185.5	186.6	90.00	-113.7	-7,421.9	1,319.7	948.0	371.74	3.550		
15,400.0	7,790.0	15,380.5	7,790.0	188.0	189.0	90.00	-117.8	-7,521.8	1,319.7	943.2	376.57	3.505		
15,500.0	7,790.0	15,480.5	7,790.0	190.4	191.4	90.00	-122.0	-7,621.8	1,319.8	938.3	381.41	3.460		
15,600.0	7,790.0	15,580.5	7,790.0	192.8	193.8	90.00	-126.1	-7,721.7	1,319.8	933.5	386.24	3.417		
15,700.0	7,790.0	15,680.5	7,790.0	195.2	196.2	90.00	-130.3	-7,821.6	1,319.8	928.7	391.08	3.375		
15,800.0	7,790.0	15,780.5	7,790.0	197.6	198.6	90.00	-134.4	-7,921.5	1,319.8	923.8	395.91	3.333		
15,900.0	7,790.0	15,880.5	7,790.0	200.0	201.1	90.00	-138.6	-8,021.4	1,319.8	919.0	400.75	3.293		
16,000.0	7,790.0	15,980.5	7,790.0	202.4	203.5	90.00	-142.8	-8,121.3	1,319.8	914.2	405.59	3.254		
16,100.0	7,790.0	16,080.5	7,790.0	204.9	205.9	90.00	-146.9	-8,221.2	1,319.8	909.3	410.43	3.216		
16,200.0	7,790.0	16,180.5	7,790.0	207.3	208.3	90.00	-151.1	-8,321.2	1,319.8	904.5	415.28	3.178		
16,300.0	7,790.0	16,280.5	7,790.0	209.7	210.7	90.00	-155.2	-8,421.1	1,319.8	899.7	420.12	3.141		
16,400.0	7,790.0	16,380.5	7,790.0	212.1	213.2	90.00	-159.4	-8,521.0	1,319.8	894.8	424.96	3.106		
16,500.0	7,790.0	16,480.5	7,790.0	214.5	215.6	90.00	-163.5	-8,620.9	1,319.8	890.0	429.81	3.071		
16,600.0	7,790.0	16,580.5	7,790.0	216.9	218.0	90.00	-167.7	-8,720.8	1,319.8	885.1	434.65	3.036		
16,700.0	7,790.0	16,680.5	7,790.0	219.4	220.4	90.00	-171.8	-8,820.7	1,319.8	880.3	439.50	3.003		
16,800.0	7,790.0	16,780.5	7,790.0	221.8	222.9	90.00	-176.0	-8,920.6	1,319.8	875.5	444.35	2.970		
16,900.0	7,790.0	16,880.5	7,790.0	224.2	225.3	90.00	-180.2	-9,020.5	1,319.8	870.6	449.20	2.938		
17,000.0	7,790.0	16,980.5	7,790.0	226.6	227.7	90.00	-184.3	-9,120.5	1,319.8	865.8	454.05	2.907		
17,100.0	7,790.0	17,080.5	7,790.0	229.1	230.1	90.00	-188.5	-9,220.4	1,319.8	860.9	458.90	2.876		
17,200.0	7,790.0	17,180.5	7,790.0	231.5	232.6	90.00	-192.6	-9,320.3	1,319.8	856.1	463.75	2.846		
17,300.0	7,790.0	17,280.5	7,790.0	233.9	235.0	90.00	-196.8	-9,420.2	1,319.8	851.2	468.60	2.817		
17,400.0	7,790.0	17,380.5	7,790.0	236.3	237.4	90.00	-200.9	-9,520.1	1,319.8	846.4	473.45	2.788		
17,500.0	7,790.0	17,480.5	7,790.0	238.7	239.8	90.00	-205.1	-9,620.0	1,319.8	841.5	478.30	2.759		
17,600.0	7,790.0	17,580.5	7,790.0	241.2	242.3	90.00	-209.2	-9,719.9	1,319.8	836.7	483.16	2.732		
17,700.0	7,790.0	17,680.5	7,790.0	243.6	244.7	90.00	-213.4	-9,819.9	1,319.8	831.8	488.01	2.705		
17,800.0	7,790.0	17,780.5	7,790.0	246.0	247.1	90.00	-217.6	-9,919.8	1,319.8	827.0	492.87	2.678		
17,900.0	7,790.0	17,880.5	7,790.0	248.4	249.6	90.00	-221.7	-10,019.7	1,319.8	822.1	497.72	2.652		
18,000.0	7,790.0	17,980.5	7,790.0	250.9	252.0	90.00	-225.9	-10,119.6	1,319.8	817.3	502.58	2.626		
18,100.0	7,790.0	18,080.5	7,790.0	253.3	254.4	90.00	-230.0	-10,219.5	1,319.9	812.4	507.43	2.601		
18,154.3	7,790.0	18,080.6	7,790.0	254.6	254.4	90.00	-230.0	-10,219.6	1,321.0	812.9	508.06	2.600 SF		

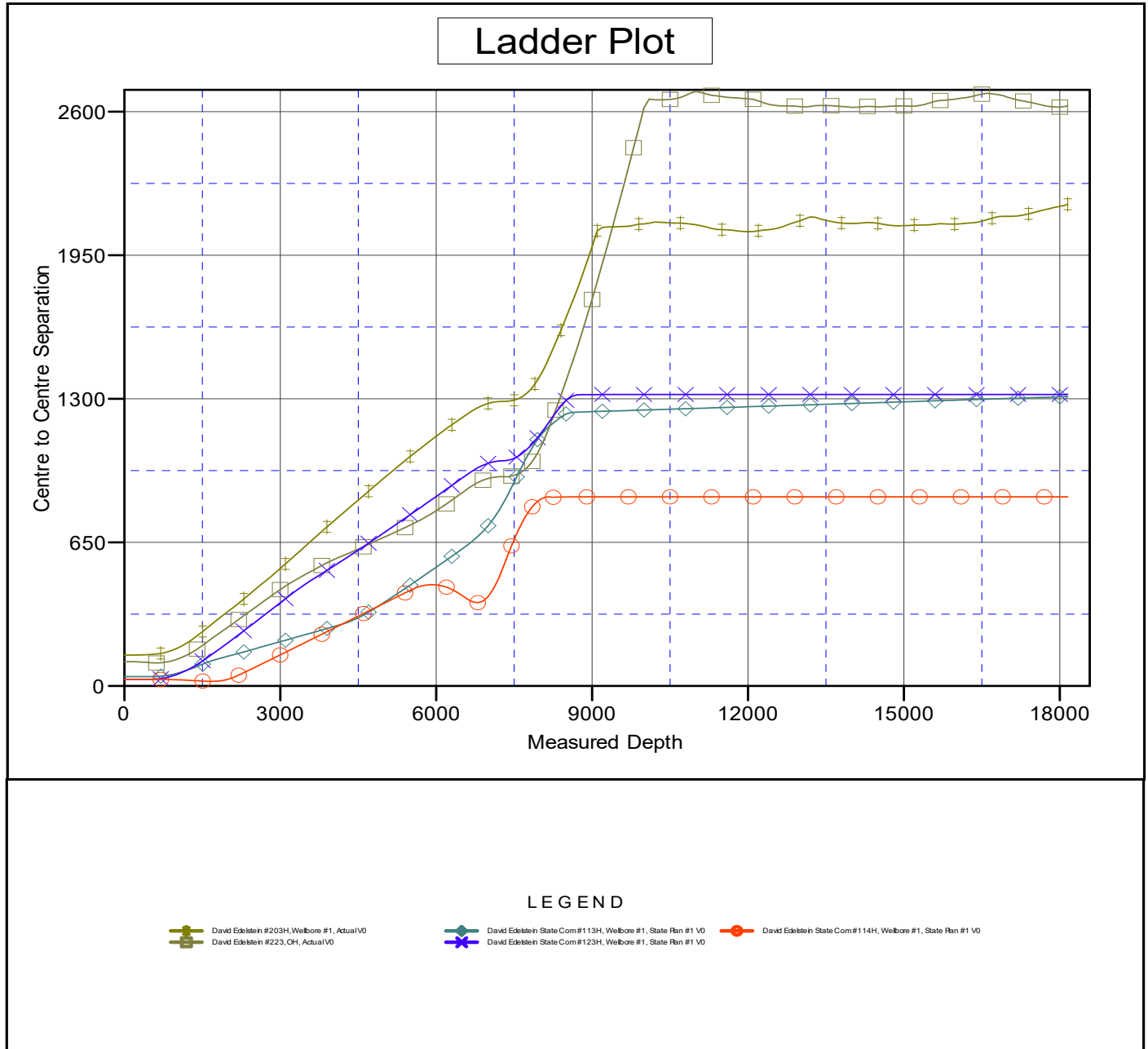
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	Matador Production Company	Local Co-ordinate Reference:	Well David Edelstein State Com #124H
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 #124H	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 #124H
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 #124H
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 #124H	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

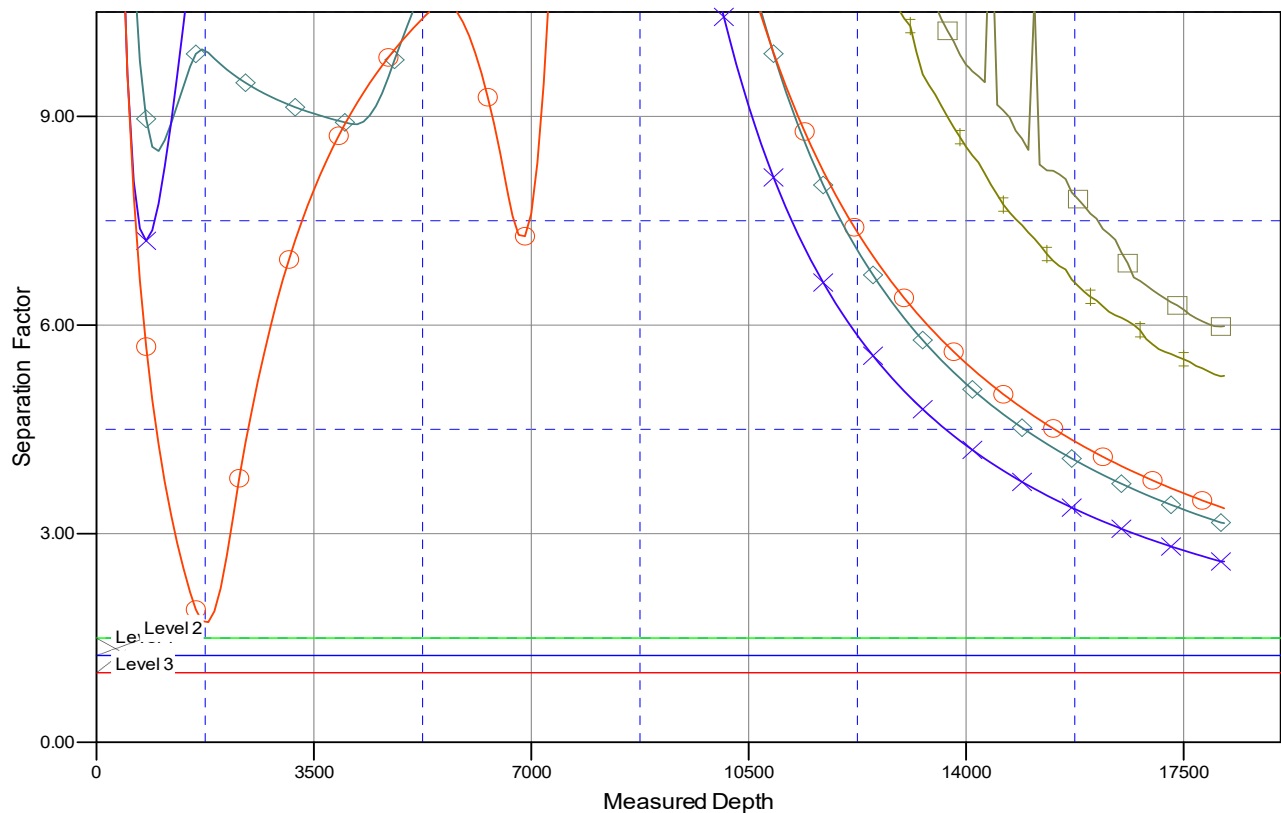
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: David Edelstein State Com #124H

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 #123H, Wellbore #1, State Plan #1 VO
 David Edelstein State Com #114H, Wellbore #1, State Plan #1 VO

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

Matador Production Company

Rustler Breaks

David Edelstein

David Edelstein State Com #124H

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 #124H
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 #124H	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 #124H					
Well Position	+N/-S	-110.0 usft	Northing:	447,550.00 usft	Latitude:	32° 13' 49.001 N
	+E/-W	0.0 usft	Easting:	560,995.00 usft	Longitude:	104° 8' 9.879 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	47,333.04439687

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	261.37

Plan Survey Tool Program	Date	11/4/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	18,154.3	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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,506.8	10.07	164.26	1,501.6	-84.9	23.9	1.00	1.00	0.00	164.26	
6,633.4	10.07	164.26	6,549.3	-947.5	267.1	0.00	0.00	0.00	0.00	
7,304.6	0.00	0.00	7,217.0	-1,004.1	283.0	1.50	-1.50	0.00	180.00	VP - David Edelstein ;
8,204.6	90.00	259.50	7,790.0	-1,108.5	-280.3	10.00	10.00	0.00	259.50	
8,610.4	90.00	267.62	7,790.0	-1,154.0	-683.2	2.00	0.00	2.00	90.00	
18,154.3	90.00	267.62	7,790.0	-1,551.0	-10,218.9	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 #124H
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 #124H	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
Start Build 1.00									
600.0	1.00	164.26	600.0	-0.8	0.2	-0.1	1.00	1.00	0.00
700.0	2.00	164.26	700.0	-3.4	0.9	-0.4	1.00	1.00	0.00
760.1	2.60	164.26	760.0	-5.7	1.6	-0.7	1.00	1.00	0.00
Castile									
800.0	3.00	164.26	799.9	-7.6	2.1	-1.0	1.00	1.00	0.00
900.0	4.00	164.26	899.7	-13.4	3.8	-1.7	1.00	1.00	0.00
1,000.0	5.00	164.26	999.4	-21.0	5.9	-2.7	1.00	1.00	0.00
1,100.0	6.00	164.26	1,098.9	-30.2	8.5	-3.9	1.00	1.00	0.00
1,200.0	7.00	164.26	1,198.3	-41.1	11.6	-5.3	1.00	1.00	0.00
1,300.0	8.00	164.26	1,297.4	-53.7	15.1	-6.9	1.00	1.00	0.00
1,400.0	9.00	164.26	1,396.3	-67.9	19.1	-8.7	1.00	1.00	0.00
1,506.8	10.07	164.26	1,501.6	-84.9	23.9	-10.9	1.00	1.00	0.00
Start 5126.6 hold at 1506.8 MD									
1,600.0	10.07	164.26	1,593.4	-100.6	28.4	-12.9	0.00	0.00	0.00
1,700.0	10.07	164.26	1,691.9	-117.4	33.1	-15.1	0.00	0.00	0.00
1,800.0	10.07	164.26	1,790.3	-134.3	37.8	-17.3	0.00	0.00	0.00
1,900.0	10.07	164.26	1,888.8	-151.1	42.6	-19.4	0.00	0.00	0.00
2,000.0	10.07	164.26	1,987.2	-167.9	47.3	-21.6	0.00	0.00	0.00
2,100.0	10.07	164.26	2,085.7	-184.7	52.1	-23.8	0.00	0.00	0.00
2,200.0	10.07	164.26	2,184.2	-201.6	56.8	-25.9	0.00	0.00	0.00
2,300.0	10.07	164.26	2,282.6	-218.4	61.6	-28.1	0.00	0.00	0.00
2,400.0	10.07	164.26	2,381.1	-235.2	66.3	-30.3	0.00	0.00	0.00
2,456.4	10.07	164.26	2,436.6	-244.7	69.0	-31.5	0.00	0.00	0.00
G30:CS14-CSB									
2,465.0	10.07	164.26	2,445.1	-246.1	69.4	-31.7	0.00	0.00	0.00
G26: Bell Cyn.									
2,500.0	10.07	164.26	2,479.5	-252.0	71.0	-32.4	0.00	0.00	0.00
2,600.0	10.07	164.26	2,578.0	-268.9	75.8	-34.6	0.00	0.00	0.00
2,700.0	10.07	164.26	2,676.5	-285.7	80.5	-36.7	0.00	0.00	0.00
2,800.0	10.07	164.26	2,774.9	-302.5	85.3	-38.9	0.00	0.00	0.00
2,900.0	10.07	164.26	2,873.4	-319.3	90.0	-41.1	0.00	0.00	0.00
3,000.0	10.07	164.26	2,971.8	-336.2	94.8	-43.2	0.00	0.00	0.00
3,100.0	10.07	164.26	3,070.3	-353.0	99.5	-45.4	0.00	0.00	0.00
3,200.0	10.07	164.26	3,168.8	-369.8	104.2	-47.6	0.00	0.00	0.00
3,287.7	10.07	164.26	3,255.1	-384.6	108.4	-49.5	0.00	0.00	0.00
G13: Cherry Cyn.									
3,300.0	10.07	164.26	3,267.2	-386.6	109.0	-49.7	0.00	0.00	0.00
3,400.0	10.07	164.26	3,365.7	-403.5	113.7	-51.9	0.00	0.00	0.00
3,500.0	10.07	164.26	3,464.1	-420.3	118.5	-54.1	0.00	0.00	0.00
3,600.0	10.07	164.26	3,562.6	-437.1	123.2	-56.2	0.00	0.00	0.00
3,700.0	10.07	164.26	3,661.1	-453.9	128.0	-58.4	0.00	0.00	0.00
3,800.0	10.07	164.26	3,759.5	-470.8	132.7	-60.6	0.00	0.00	0.00
3,900.0	10.07	164.26	3,858.0	-487.6	137.4	-62.7	0.00	0.00	0.00
4,000.0	10.07	164.26	3,956.4	-504.4	142.2	-64.9	0.00	0.00	0.00
4,100.0	10.07	164.26	4,054.9	-521.2	146.9	-67.0	0.00	0.00	0.00
4,200.0	10.07	164.26	4,153.4	-538.1	151.7	-69.2	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #124H
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 #124H	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)
4,300.0	10.07	164.26	4,251.8	-554.9	156.4	-71.4	0.00	0.00	0.00
4,371.9	10.07	164.26	4,322.6	-567.0	159.8	-72.9	0.00	0.00	0.00
G7: Brushy Cyn.									
4,400.0	10.07	164.26	4,350.3	-571.7	161.2	-73.5	0.00	0.00	0.00
4,500.0	10.07	164.26	4,448.7	-588.5	165.9	-75.7	0.00	0.00	0.00
4,600.0	10.07	164.26	4,547.2	-605.4	170.6	-77.9	0.00	0.00	0.00
4,700.0	10.07	164.26	4,645.7	-622.2	175.4	-80.0	0.00	0.00	0.00
4,800.0	10.07	164.26	4,744.1	-639.0	180.1	-82.2	0.00	0.00	0.00
4,900.0	10.07	164.26	4,842.6	-655.8	184.9	-84.4	0.00	0.00	0.00
5,000.0	10.07	164.26	4,941.0	-672.7	189.6	-86.5	0.00	0.00	0.00
5,100.0	10.07	164.26	5,039.5	-689.5	194.3	-88.7	0.00	0.00	0.00
5,200.0	10.07	164.26	5,138.0	-706.3	199.1	-90.8	0.00	0.00	0.00
5,300.0	10.07	164.26	5,236.4	-723.1	203.8	-93.0	0.00	0.00	0.00
5,400.0	10.07	164.26	5,334.9	-740.0	208.6	-95.2	0.00	0.00	0.00
5,500.0	10.07	164.26	5,433.3	-756.8	213.3	-97.3	0.00	0.00	0.00
5,600.0	10.07	164.26	5,531.8	-773.6	218.1	-99.5	0.00	0.00	0.00
5,700.0	10.07	164.26	5,630.3	-790.4	222.8	-101.7	0.00	0.00	0.00
5,800.0	10.07	164.26	5,728.7	-807.3	227.5	-103.8	0.00	0.00	0.00
5,900.0	10.07	164.26	5,827.2	-824.1	232.3	-106.0	0.00	0.00	0.00
5,987.2	10.07	164.26	5,913.0	-838.8	236.4	-107.9	0.00	0.00	0.00
G4: BSG (CS9)									
6,000.0	10.07	164.26	5,925.6	-840.9	237.0	-108.2	0.00	0.00	0.00
6,100.0	10.07	164.26	6,024.1	-857.7	241.8	-110.3	0.00	0.00	0.00
6,200.0	10.07	164.26	6,122.6	-874.6	246.5	-112.5	0.00	0.00	0.00
6,300.0	10.07	164.26	6,221.0	-891.4	251.3	-114.7	0.00	0.00	0.00
6,400.0	10.07	164.26	6,319.5	-908.2	256.0	-116.8	0.00	0.00	0.00
6,500.0	10.07	164.26	6,417.9	-925.0	260.7	-119.0	0.00	0.00	0.00
6,600.0	10.07	164.26	6,516.4	-941.9	265.5	-121.1	0.00	0.00	0.00
6,633.4	10.07	164.26	6,549.3	-947.5	267.1	-121.9	0.00	0.00	0.00
Start Drop -1.50									
6,682.1	9.34	164.26	6,597.3	-955.4	269.3	-122.9	1.50	-1.50	0.00
L5.3: FBSC									
6,700.0	9.07	164.26	6,615.0	-958.1	270.1	-123.2	1.50	-1.50	0.00
6,800.0	7.57	164.26	6,713.9	-972.1	274.0	-125.0	1.50	-1.50	0.00
6,900.0	6.07	164.26	6,813.2	-983.5	277.2	-126.5	1.50	-1.50	0.00
6,992.0	4.69	164.26	6,904.8	-991.8	279.6	-127.6	1.50	-1.50	0.00
L5.1: FBSC									
6,993.5	4.67	164.26	6,906.3	-991.9	279.6	-127.6	1.50	-1.50	0.00
L5.1: FBSC									
7,000.0	4.57	164.26	6,912.8	-992.4	279.7	-127.6	1.50	-1.50	0.00
7,100.0	3.07	164.26	7,012.5	-998.8	281.5	-128.5	1.50	-1.50	0.00
7,200.0	1.57	164.26	7,112.5	-1,002.7	282.6	-129.0	1.50	-1.50	0.00
7,265.5	0.59	164.26	7,178.0	-1,003.9	283.0	-129.1	1.50	-1.50	0.00
L4.3: SBSC									
7,304.6	0.00	0.00	7,217.0	-1,004.1	283.0	-129.2	1.50	-1.50	0.00
Start Build 10.00 - VP - David Edelstein #124H									
7,350.0	4.54	259.50	7,262.4	-1,004.4	281.3	-127.4	10.00	10.00	0.00
7,400.0	9.54	259.50	7,312.0	-1,005.5	275.2	-121.2	10.00	10.00	0.00
7,450.0	14.54	259.50	7,360.9	-1,007.4	265.0	-110.8	10.00	10.00	0.00
7,500.0	19.54	259.50	7,408.7	-1,010.1	250.6	-96.2	10.00	10.00	0.00
7,550.0	24.54	259.50	7,455.0	-1,013.5	232.1	-77.4	10.00	10.00	0.00
7,600.0	29.54	259.50	7,499.5	-1,017.7	209.8	-54.7	10.00	10.00	0.00
7,650.0	34.54	259.50	7,541.9	-1,022.5	183.7	-28.2	10.00	10.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #124H
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 #124H	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)
7,700.0	39.54	259.50	7,581.8	-1,028.0	154.1	1.9	10.00	10.00	0.00
7,740.4	43.58	259.50	7,612.0	-1,032.9	127.7	28.7	10.00	10.00	0.00
L4.1: SBSG									
7,750.0	44.54	259.50	7,618.9	-1,034.1	121.2	35.4	10.00	10.00	0.00
7,800.0	49.54	259.50	7,653.0	-1,040.8	85.2	71.9	10.00	10.00	0.00
7,807.5	50.30	259.50	7,657.8	-1,041.8	79.5	77.7	10.00	10.00	0.00
FTP - David Edelstein #124H									
7,850.0	54.54	259.50	7,683.7	-1,047.9	46.5	111.3	10.00	10.00	0.00
7,900.0	59.54	259.50	7,710.9	-1,055.6	5.2	153.2	10.00	10.00	0.00
7,950.0	64.54	259.50	7,734.3	-1,063.6	-38.2	197.4	10.00	10.00	0.00
8,000.0	69.54	259.50	7,753.8	-1,072.0	-83.4	243.4	10.00	10.00	0.00
8,050.0	74.54	259.50	7,769.2	-1,080.7	-130.2	290.9	10.00	10.00	0.00
8,100.0	79.54	259.50	7,780.4	-1,089.6	-178.1	339.6	10.00	10.00	0.00
8,150.0	84.54	259.50	7,787.4	-1,098.6	-226.8	389.1	10.00	10.00	0.00
8,204.6	90.00	259.50	7,790.0	-1,108.5	-280.3	443.5	10.00	10.00	0.00
Start DLS 2.00 TFO 90.00									
8,300.0	90.00	261.41	7,790.0	-1,124.3	-374.4	538.9	2.00	0.00	2.00
8,400.0	90.00	263.41	7,790.0	-1,137.5	-473.6	638.9	2.00	0.00	2.00
8,500.0	90.00	265.41	7,790.0	-1,147.3	-573.1	738.8	2.00	0.00	2.00
8,600.0	90.00	267.41	7,790.0	-1,153.6	-672.9	838.4	2.00	0.00	2.00
8,610.4	90.00	267.62	7,790.0	-1,154.0	-683.2	848.7	2.00	0.00	2.00
Start 9544.0 hold at 8610.4 MD									
8,700.0	90.00	267.62	7,790.0	-1,157.7	-772.8	937.8	0.00	0.00	0.00
8,800.0	90.00	267.62	7,790.0	-1,161.9	-872.7	1,037.2	0.00	0.00	0.00
8,900.0	90.00	267.62	7,790.0	-1,166.1	-972.6	1,136.6	0.00	0.00	0.00
9,000.0	90.00	267.62	7,790.0	-1,170.2	-1,072.5	1,236.0	0.00	0.00	0.00
9,100.0	90.00	267.62	7,790.0	-1,174.4	-1,172.5	1,335.4	0.00	0.00	0.00
9,200.0	90.00	267.62	7,790.0	-1,178.5	-1,272.4	1,434.8	0.00	0.00	0.00
9,300.0	90.00	267.62	7,790.0	-1,182.7	-1,372.3	1,534.2	0.00	0.00	0.00
9,400.0	90.00	267.62	7,790.0	-1,186.9	-1,472.2	1,633.6	0.00	0.00	0.00
9,500.0	90.00	267.62	7,790.0	-1,191.0	-1,572.1	1,733.0	0.00	0.00	0.00
9,600.0	90.00	267.62	7,790.0	-1,195.2	-1,672.0	1,832.4	0.00	0.00	0.00
9,700.0	90.00	267.62	7,790.0	-1,199.3	-1,771.9	1,931.8	0.00	0.00	0.00
9,800.0	90.00	267.62	7,790.0	-1,203.5	-1,871.8	2,031.2	0.00	0.00	0.00
9,900.0	90.00	267.62	7,790.0	-1,207.6	-1,971.8	2,130.7	0.00	0.00	0.00
10,000.0	90.00	267.62	7,790.0	-1,211.8	-2,071.7	2,230.1	0.00	0.00	0.00
10,100.0	90.00	267.62	7,790.0	-1,216.0	-2,171.6	2,329.5	0.00	0.00	0.00
10,200.0	90.00	267.62	7,790.0	-1,220.1	-2,271.5	2,428.9	0.00	0.00	0.00
10,300.0	90.00	267.62	7,790.0	-1,224.3	-2,371.4	2,528.3	0.00	0.00	0.00
10,400.0	90.00	267.62	7,790.0	-1,228.4	-2,471.3	2,627.7	0.00	0.00	0.00
10,500.0	90.00	267.62	7,790.0	-1,232.6	-2,571.2	2,727.1	0.00	0.00	0.00
10,600.0	90.00	267.62	7,790.0	-1,236.8	-2,671.2	2,826.5	0.00	0.00	0.00
10,700.0	90.00	267.62	7,790.0	-1,240.9	-2,771.1	2,925.9	0.00	0.00	0.00
10,800.0	90.00	267.62	7,790.0	-1,245.1	-2,871.0	3,025.3	0.00	0.00	0.00
10,900.0	90.00	267.62	7,790.0	-1,249.2	-2,970.9	3,124.7	0.00	0.00	0.00
11,000.0	90.00	267.62	7,790.0	-1,253.4	-3,070.8	3,224.1	0.00	0.00	0.00
11,100.0	90.00	267.62	7,790.0	-1,257.6	-3,170.7	3,323.5	0.00	0.00	0.00
11,200.0	90.00	267.62	7,790.0	-1,261.7	-3,270.6	3,422.9	0.00	0.00	0.00
11,300.0	90.00	267.62	7,790.0	-1,265.9	-3,370.5	3,522.3	0.00	0.00	0.00
11,400.0	90.00	267.62	7,790.0	-1,270.0	-3,470.5	3,621.7	0.00	0.00	0.00
11,500.0	90.00	267.62	7,790.0	-1,274.2	-3,570.4	3,721.2	0.00	0.00	0.00
11,600.0	90.00	267.62	7,790.0	-1,278.4	-3,670.3	3,820.6	0.00	0.00	0.00
11,700.0	90.00	267.62	7,790.0	-1,282.5	-3,770.2	3,920.0	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #124H
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 #124H	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)
11,800.0	90.00	267.62	7,790.0	-1,286.7	-3,870.1	4,019.4	0.00	0.00	0.00
11,900.0	90.00	267.62	7,790.0	-1,290.8	-3,970.0	4,118.8	0.00	0.00	0.00
12,000.0	90.00	267.62	7,790.0	-1,295.0	-4,069.9	4,218.2	0.00	0.00	0.00
12,100.0	90.00	267.62	7,790.0	-1,299.2	-4,169.9	4,317.6	0.00	0.00	0.00
12,200.0	90.00	267.62	7,790.0	-1,303.3	-4,269.8	4,417.0	0.00	0.00	0.00
12,300.0	90.00	267.62	7,790.0	-1,307.5	-4,369.7	4,516.4	0.00	0.00	0.00
12,400.0	90.00	267.62	7,790.0	-1,311.6	-4,469.6	4,615.8	0.00	0.00	0.00
12,500.0	90.00	267.62	7,790.0	-1,315.8	-4,569.5	4,715.2	0.00	0.00	0.00
12,600.0	90.00	267.62	7,790.0	-1,320.0	-4,669.4	4,814.6	0.00	0.00	0.00
12,700.0	90.00	267.62	7,790.0	-1,324.1	-4,769.3	4,914.0	0.00	0.00	0.00
12,800.0	90.00	267.62	7,790.0	-1,328.3	-4,869.2	5,013.4	0.00	0.00	0.00
12,900.0	90.00	267.62	7,790.0	-1,332.4	-4,969.2	5,112.8	0.00	0.00	0.00
13,000.0	90.00	267.62	7,790.0	-1,336.6	-5,069.1	5,212.2	0.00	0.00	0.00
13,100.0	90.00	267.62	7,790.0	-1,340.8	-5,169.0	5,311.7	0.00	0.00	0.00
13,200.0	90.00	267.62	7,790.0	-1,344.9	-5,268.9	5,411.1	0.00	0.00	0.00
13,300.0	90.00	267.62	7,790.0	-1,349.1	-5,368.8	5,510.5	0.00	0.00	0.00
13,400.0	90.00	267.62	7,790.0	-1,353.2	-5,468.7	5,609.9	0.00	0.00	0.00
13,500.0	90.00	267.62	7,790.0	-1,357.4	-5,568.6	5,709.3	0.00	0.00	0.00
13,600.0	90.00	267.62	7,790.0	-1,361.6	-5,668.6	5,808.7	0.00	0.00	0.00
13,700.0	90.00	267.62	7,790.0	-1,365.7	-5,768.5	5,908.1	0.00	0.00	0.00
13,800.0	90.00	267.62	7,790.0	-1,369.9	-5,868.4	6,007.5	0.00	0.00	0.00
13,900.0	90.00	267.62	7,790.0	-1,374.0	-5,968.3	6,106.9	0.00	0.00	0.00
14,000.0	90.00	267.62	7,790.0	-1,378.2	-6,068.2	6,206.3	0.00	0.00	0.00
14,100.0	90.00	267.62	7,790.0	-1,382.3	-6,168.1	6,305.7	0.00	0.00	0.00
14,200.0	90.00	267.62	7,790.0	-1,386.5	-6,268.0	6,405.1	0.00	0.00	0.00
14,300.0	90.00	267.62	7,790.0	-1,390.7	-6,368.0	6,504.5	0.00	0.00	0.00
14,400.0	90.00	267.62	7,790.0	-1,394.8	-6,467.9	6,603.9	0.00	0.00	0.00
14,500.0	90.00	267.62	7,790.0	-1,399.0	-6,567.8	6,703.3	0.00	0.00	0.00
14,600.0	90.00	267.62	7,790.0	-1,403.1	-6,667.7	6,802.7	0.00	0.00	0.00
14,700.0	90.00	267.62	7,790.0	-1,407.3	-6,767.6	6,902.2	0.00	0.00	0.00
14,800.0	90.00	267.62	7,790.0	-1,411.5	-6,867.5	7,001.6	0.00	0.00	0.00
14,900.0	90.00	267.62	7,790.0	-1,415.6	-6,967.4	7,101.0	0.00	0.00	0.00
15,000.0	90.00	267.62	7,790.0	-1,419.8	-7,067.3	7,200.4	0.00	0.00	0.00
15,100.0	90.00	267.62	7,790.0	-1,423.9	-7,167.3	7,299.8	0.00	0.00	0.00
15,200.0	90.00	267.62	7,790.0	-1,428.1	-7,267.2	7,399.2	0.00	0.00	0.00
15,300.0	90.00	267.62	7,790.0	-1,432.3	-7,367.1	7,498.6	0.00	0.00	0.00
15,400.0	90.00	267.62	7,790.0	-1,436.4	-7,467.0	7,598.0	0.00	0.00	0.00
15,500.0	90.00	267.62	7,790.0	-1,440.6	-7,566.9	7,697.4	0.00	0.00	0.00
15,600.0	90.00	267.62	7,790.0	-1,444.7	-7,666.8	7,796.8	0.00	0.00	0.00
15,700.0	90.00	267.62	7,790.0	-1,448.9	-7,766.7	7,896.2	0.00	0.00	0.00
15,800.0	90.00	267.62	7,790.0	-1,453.1	-7,866.7	7,995.6	0.00	0.00	0.00
15,900.0	90.00	267.62	7,790.0	-1,457.2	-7,966.6	8,095.0	0.00	0.00	0.00
16,000.0	90.00	267.62	7,790.0	-1,461.4	-8,066.5	8,194.4	0.00	0.00	0.00
16,100.0	90.00	267.62	7,790.0	-1,465.5	-8,166.4	8,293.8	0.00	0.00	0.00
16,200.0	90.00	267.62	7,790.0	-1,469.7	-8,266.3	8,393.2	0.00	0.00	0.00
16,300.0	90.00	267.62	7,790.0	-1,473.9	-8,366.2	8,492.7	0.00	0.00	0.00
16,400.0	90.00	267.62	7,790.0	-1,478.0	-8,466.1	8,592.1	0.00	0.00	0.00
16,500.0	90.00	267.62	7,790.0	-1,482.2	-8,566.0	8,691.5	0.00	0.00	0.00
16,600.0	90.00	267.62	7,790.0	-1,486.3	-8,666.0	8,790.9	0.00	0.00	0.00
16,700.0	90.00	267.62	7,790.0	-1,490.5	-8,765.9	8,890.3	0.00	0.00	0.00
16,800.0	90.00	267.62	7,790.0	-1,494.7	-8,865.8	8,989.7	0.00	0.00	0.00
16,900.0	90.00	267.62	7,790.0	-1,498.8	-8,965.7	9,089.1	0.00	0.00	0.00
17,000.0	90.00	267.62	7,790.0	-1,503.0	-9,065.6	9,188.5	0.00	0.00	0.00
17,100.0	90.00	267.62	7,790.0	-1,507.1	-9,165.5	9,287.9	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #124H
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 #124H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
17,200.0	90.00	267.62	7,790.0	-1,511.3	-9,265.4	9,387.3	0.00	0.00	0.00	
17,300.0	90.00	267.62	7,790.0	-1,515.5	-9,365.4	9,486.7	0.00	0.00	0.00	
17,400.0	90.00	267.62	7,790.0	-1,519.6	-9,465.3	9,586.1	0.00	0.00	0.00	
17,500.0	90.00	267.62	7,790.0	-1,523.8	-9,565.2	9,685.5	0.00	0.00	0.00	
17,600.0	90.00	267.62	7,790.0	-1,527.9	-9,665.1	9,784.9	0.00	0.00	0.00	
17,700.0	90.00	267.62	7,790.0	-1,532.1	-9,765.0	9,884.3	0.00	0.00	0.00	
17,800.0	90.00	267.62	7,790.0	-1,536.3	-9,864.9	9,983.8	0.00	0.00	0.00	
17,900.0	90.00	267.62	7,790.0	-1,540.4	-9,964.8	10,083.2	0.00	0.00	0.00	
18,000.0	90.00	267.62	7,790.0	-1,544.6	-10,064.7	10,182.6	0.00	0.00	0.00	
18,100.0	90.00	267.62	7,790.0	-1,548.7	-10,164.7	10,282.0	0.00	0.00	0.00	
18,154.3	90.00	267.62	7,790.0	-1,551.0	-10,218.9	10,336.0	0.00	0.00	0.00	
TD at 18154.3 - BHL - David Edelstein #124H										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
VP - David Edelstein #124H - hit/miss target - Shape - Point	0.00	0.00	7,217.0	-1,004.1	283.0	446,546.00	561,278.00	32° 13' 39.060 N	104° 8' 6.606 W	
FTP - David Edelstein #124H - plan misses target center by 331.4usft at 7807.5usft MD (7657.8 TVD, -1041.8 N, 79.5 E) - Point	0.00	0.00	7,790.0	-1,304.1	233.0	446,246.00	561,228.00	32° 13' 36.092 N	104° 8' 7.194 W	
BHL - David Edelstein #124H - plan hits target center - Point	0.00	0.00	7,790.0	-1,551.0	-10,218.9	445,999.00	550,776.00	32° 13' 33.822 N	104° 10' 8.879 W	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
760.1	760.0	Castile		0.00	267.62	
2,456.4	2,436.6	G30:CS14-CSB		0.00	267.62	
2,465.0	2,445.1	G26: Bell Cyn.		0.00	267.62	
3,287.7	3,255.1	G13: Cherry Cyn.		0.00	267.62	
4,371.9	4,322.6	G7: Brushy Cyn.		0.00	267.62	
5,987.2	5,913.0	G4: BSG (CS9)		0.00	267.62	
6,682.1	6,597.3	L5.3: FBSC		0.00	267.62	
6,992.0	6,904.8	L5.1: FBSC		0.00	267.62	
6,993.5	6,906.3	L5.1: FBSC		0.00	267.62	
7,265.5	7,178.0	L4.3: SBSC		0.00	267.62	
7,740.4	7,612.0	L4.1: SBSC		0.00	267.62	

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #124H
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 #124H	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)	
500.0	500.0	0.0	0.0	Start Build 1.00
1,506.8	1,501.6	-84.9	23.9	Start 5126.6 hold at 1506.8 MD
6,633.4	6,549.3	-947.5	267.1	Start Drop -1.50
7,304.6	7,217.0	-1,004.1	283.0	Start Build 10.00
8,204.6	7,790.0	-1,108.5	-280.3	Start DLS 2.00 TFO 90.00
8,610.4	7,790.0	-1,154.0	-683.2	Start 9544.0 hold at 8610.4 MD
18,154.3	7,790.0	-1,551.0	-10,218.9	TD at 18154.3