

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 350530

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 30-015-54236
4. Property Code 320766	5. Property Name DAVID EDELSTEIN STATE COM	6. Well No. 114H

7. Surface Location

UL - Lot I	Section 12	Township 24S	Range 27E	Lot Idn I	Feet From 1966	N/S Line S	Feet From 300	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 330	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 17457	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	6506	860	0
Prod	6.75	5.5	20	17457	1000	6306

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: 9/21/2023	Expiration Date: 9/21/2025
Date: 9/19/2023	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 30-015-54236	² Pool Code 96415	³ Pool Name Willow Lake; Bone Spring, West
⁴ Property Code 320766	⁵ Property Name DAVID EDELSTEIN STATE COM	⁶ Well Number 114H
⁷ OGRID No. 228937	⁸ Operator Name MATADOR PRODUCTION COMPANY	⁹ Elevation 3089'

¹⁰Surface Location

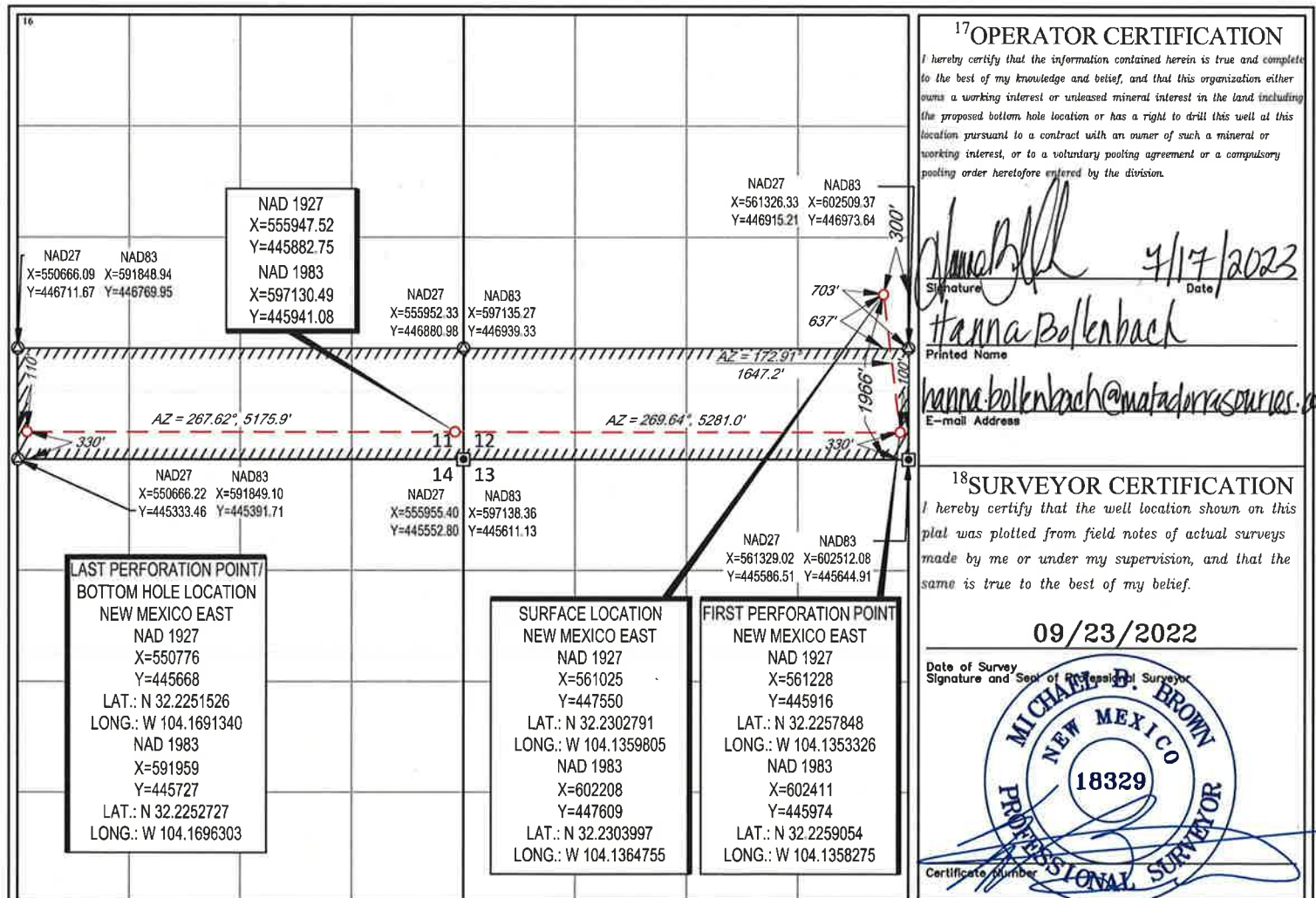
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	12	24-S	27-E	-	1966'	SOUTH	300'	EAST	EDDY

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	-	330'	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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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions

Permit 350530

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: MATADOR PRODUCTION COMPANY [228937] One Lincoln Centre Dallas, TX 75240	API Number: 30-015-54236
	Well: DAVID EDELSTEIN STATE COM #114H
OCD Reviewer	Condition

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, serial=161522818, 3.1.1.4.1=1.3.6.1.5.5.3
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 #114H

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 #114H
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 #114H	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	17,456.6	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	221.7	221.8	143.2	142.3	158.082	CC
David Edelstein #203H - Wellbore #1 - Actual	300.0	299.2	143.5	142.0	95.656	ES
David Edelstein #203H - Wellbore #1 - Actual	17,456.6	19,425.0	2,953.0	2,579.3	7.904	SF
David Edelstein #223 - OH - Actual	633.1	635.7	105.9	101.9	26.397	CC, ES
David Edelstein #223 - OH - Actual	17,456.6	20,424.0	3,479.3	3,055.9	8.216	SF
David Edelstein State Com #113H - Wellbore #1 - State P	500.0	500.0	30.0	26.9	9.604	CC, ES
David Edelstein State Com #113H - Wellbore #1 - State P	17,456.6	17,292.9	1,377.0	869.0	2.711	SF
David Edelstein State Com #123H - Wellbore #1 - State	500.0	500.0	42.4	39.3	13.582	CC, ES
David Edelstein State Com #123H - Wellbore #1 - State	17,456.6	18,080.6	1,831.2	1,366.0	3.936	SF
David Edelstein State Com #124H - Wellbore #1 - State	1,689.7	1,709.0	21.0	8.9	1.744	CC, ES
David Edelstein State Com #124H - Wellbore #1 - State	1,800.0	1,801.2	22.0	9.2	1.726	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	-11.83	140.2	-29.4	143.2						
100.0	100.0	100.0	100.0	0.1	0.2	-11.80	140.2	-29.3	143.2	143.0	0.28	507.656			
200.0	200.0	200.1	200.1	0.5	0.3	-11.70	140.2	-29.0	143.2	142.4	0.79	180.222			
221.7	221.7	221.8	221.8	0.6	0.3	-11.66	140.2	-29.0	143.2	142.3	0.91	158.082	CC		
300.0	300.0	299.2	299.2	0.8	0.7	-11.57	140.6	-28.8	143.5	142.0	1.50	95.656	ES		
400.0	400.0	398.3	398.3	1.2	1.0	-11.46	141.5	-28.7	144.4	142.1	2.21	65.344			
500.0	500.0	498.5	498.5	1.6	1.4	-11.39	142.6	-28.7	145.5	142.6	2.92	49.818			
600.0	600.0	598.9	598.9	1.9	1.7	-11.30	143.5	-28.8	147.3	143.6	3.62	40.689			
700.0	700.0	699.4	699.4	2.2	2.1	-11.20	144.1	-28.7	150.5	146.1	4.31	34.905			
800.0	799.9	798.3	798.3	2.6	2.4	-11.10	145.1	-27.7	155.6	150.6	5.01	31.075			
900.0	899.7	897.4	897.3	2.9	2.8	-11.00	146.8	-25.5	163.0	157.3	5.71	28.557			
1,000.0	999.4	997.4	997.3	3.3	3.1	-10.90	148.6	-22.4	172.1	165.7	6.41	26.835			
1,100.0	1,098.9	1,096.7	1,096.5	3.7	3.5	-10.80	150.3	-18.8	182.8	175.7	7.12	25.669			
1,200.0	1,198.3	1,194.3	1,193.9	4.0	3.9	-10.70	152.7	-13.8	195.9	188.0	7.83	25.017			
1,300.0	1,297.4	1,292.3	1,291.7	4.4	4.2	-10.60	155.8	-7.4	211.4	202.9	8.54	24.757			
1,400.0	1,396.3	1,391.4	1,390.6	4.8	4.6	-10.50	158.8	-1.7	228.7	219.4	9.26	24.696			

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 #114H
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 #114H	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		
1,500.0	1,494.9	1,490.4	1,489.4	5.2	4.9	-172.16	161.4	3.1	247.4	237.4	9.98	24.785		
1,600.0	1,593.3	1,589.2	1,588.1	5.6	5.3	-171.68	163.7	7.5	267.5	256.8	10.70	24.990		
1,700.0	1,691.2	1,687.2	1,686.0	6.1	5.6	-171.30	165.7	11.9	289.0	277.6	11.43	25.294		
1,800.0	1,788.9	1,784.6	1,783.2	6.5	6.0	-170.78	167.7	17.6	312.2	300.0	12.15	25.696		
1,900.0	1,886.1	1,883.7	1,882.0	7.0	6.4	-170.20	169.4	24.3	336.8	323.9	12.89	26.135		
2,000.0	1,982.9	1,983.6	1,981.7	7.5	6.7	-169.74	170.3	31.1	362.2	348.6	13.63	26.572		
2,100.0	2,079.3	2,077.6	2,075.5	8.0	7.1	-169.34	170.9	37.9	389.0	374.7	14.35	27.106		
2,170.4	2,146.8	2,142.5	2,140.2	8.4	7.3	-169.04	171.8	43.1	409.4	394.6	14.86	27.560		
2,200.0	2,175.2	2,169.7	2,167.2	8.5	7.4	-168.92	172.3	45.4	418.3	403.2	15.07	27.763		
2,300.0	2,271.0	2,261.9	2,259.1	9.1	7.8	-168.55	174.4	53.2	448.7	432.9	15.78	28.433		
2,400.0	2,366.7	2,354.0	2,350.9	9.6	8.1	-168.32	177.1	60.3	479.8	463.3	16.50	29.083		
2,500.0	2,462.5	2,451.1	2,447.7	10.2	8.5	-168.19	180.2	67.0	511.0	493.8	17.24	29.634		
2,600.0	2,558.3	2,548.2	2,544.6	10.7	8.8	-168.17	182.7	73.0	541.8	523.8	17.99	30.114		
2,700.0	2,654.1	2,644.3	2,640.5	11.3	9.2	-168.21	185.0	78.2	572.3	553.6	18.73	30.552		
2,800.0	2,749.9	2,740.4	2,736.4	11.8	9.6	-168.24	187.2	83.6	602.7	583.2	19.47	30.949		
2,900.0	2,845.6	2,830.0	2,825.8	12.4	9.9	-168.25	189.5	88.8	633.4	613.2	20.18	31.396		
3,000.0	2,941.4	2,918.2	2,913.9	12.9	10.2	-168.24	192.7	94.1	665.1	644.2	20.87	31.875		
3,100.0	3,037.2	3,011.9	3,007.3	13.5	10.6	-168.22	196.7	99.9	697.4	675.8	21.60	32.292		
3,200.0	3,133.0	3,107.4	3,102.5	14.1	10.9	-168.19	200.7	105.8	729.6	707.3	22.34	32.658		
3,300.0	3,228.8	3,202.4	3,197.3	14.6	11.3	-168.18	204.6	111.6	761.8	738.7	23.08	33.000		
3,400.0	3,324.6	3,297.4	3,292.0	15.2	11.6	-168.19	208.4	117.1	793.9	770.1	23.83	33.321		
3,500.0	3,420.3	3,391.0	3,385.3	15.8	12.0	-168.22	212.3	122.2	826.0	801.5	24.56	33.639		
3,600.0	3,516.1	3,484.1	3,478.3	16.4	12.3	-168.24	216.2	127.4	858.3	833.1	25.28	33.947		
3,700.0	3,611.9	3,577.8	3,571.8	16.9	12.7	-168.27	220.4	132.6	890.8	864.8	26.02	34.239		
3,800.0	3,707.7	3,671.6	3,665.3	17.5	13.0	-168.32	224.6	137.3	923.3	896.6	26.75	34.518		
3,900.0	3,803.5	3,770.9	3,764.4	18.1	13.4	-168.37	228.9	142.3	955.7	928.2	27.52	34.724		
4,000.0	3,899.2	3,871.6	3,864.9	18.7	13.8	-168.38	232.7	147.9	987.5	959.2	28.31	34.884		
4,100.0	3,995.0	4,100.0	3,960.5	19.2	14.6	-168.37	235.9	153.7	1,019.0	989.4	29.55	34.479		
4,200.0	4,090.8	4,063.3	4,056.1	19.8	14.5	-168.36	239.1	159.5	1,050.4	1,020.6	29.82	35.230		
4,300.0	4,186.6	4,156.6	4,149.2	20.4	14.8	-168.35	242.2	165.1	1,081.8	1,051.3	30.55	35.412		
4,400.0	4,282.4	4,250.0	4,242.3	21.0	15.2	-168.36	245.5	170.4	1,113.4	1,082.1	31.29	35.589		
4,500.0	4,378.1	4,347.4	4,339.6	21.6	15.5	-168.38	248.9	175.7	1,144.9	1,112.9	32.05	35.725		
4,600.0	4,473.9	4,445.0	4,437.0	22.1	15.9	-168.41	252.0	180.8	1,176.3	1,143.4	32.81	35.848		
4,700.0	4,569.7	4,536.1	4,527.9	22.7	16.2	-168.44	255.0	185.5	1,207.6	1,174.1	33.53	36.017		
4,800.0	4,665.5	4,628.0	4,619.6	23.3	16.6	-168.45	258.3	190.4	1,239.3	1,205.0	34.25	36.181		
4,900.0	4,761.3	4,727.6	4,719.0	23.9	16.9	-168.44	261.8	196.5	1,270.9	1,235.8	35.04	36.270		
5,000.0	4,857.0	4,827.6	4,818.6	24.5	17.3	-168.38	264.9	203.6	1,302.1	1,266.2	35.83	36.343		
5,100.0	4,952.8	4,924.0	4,914.8	25.1	17.7	-168.31	267.6	210.7	1,333.1	1,296.5	36.59	36.428		
5,200.0	5,048.6	5,020.7	5,011.2	25.6	18.0	-168.25	270.3	217.6	1,363.9	1,326.5	37.36	36.505		
5,300.0	5,144.4	5,116.1	5,106.3	26.2	18.4	-168.21	272.8	224.2	1,394.7	1,356.6	38.12	36.589		
5,400.0	5,240.2	5,211.8	5,201.8	26.8	18.8	-168.18	275.4	230.5	1,425.5	1,386.6	38.88	36.666		
5,492.9	5,329.1	5,301.5	5,291.3	27.3	19.1	-168.17	277.7	236.1	1,454.0	1,414.4	39.59	36.730		
5,500.0	5,335.9	5,308.4	5,298.2	27.4	19.1	-168.18	277.9	236.5	1,456.2	1,416.6	39.64	36.735		
5,600.0	5,432.1	5,408.5	5,398.1	28.0	19.5	-168.26	280.3	242.5	1,485.4	1,445.0	40.42	36.747		
5,700.0	5,529.0	5,515.3	5,504.7	28.5	19.9	-168.33	282.3	248.0	1,511.6	1,470.3	41.24	36.653		
5,800.0	5,626.5	5,614.3	5,603.6	29.0	20.2	-168.42	283.7	252.2	1,534.8	1,492.8	41.99	36.551		
5,900.0	5,724.5	5,707.6	5,696.9	29.5	20.6	-168.52	285.2	254.8	1,555.7	1,513.0	42.69	36.443		
6,000.0	5,823.1	5,810.5	5,799.7	29.9	20.9	-168.66	287.0	255.9	1,574.2	1,530.7	43.43	36.248		
6,100.0	5,922.0	5,911.6	5,900.8	30.3	21.3	-168.86	288.4	254.7	1,589.7	1,545.6	44.13	36.026		
6,200.0	6,021.3	6,014.8	6,004.0	30.7	21.6	-169.06	289.7	252.6	1,602.7	1,557.9	44.82	35.756		
6,300.0	6,120.9	6,118.8	6,107.9	31.1	21.9	-169.25	290.6	249.8	1,612.8	1,567.3	45.51	35.438		
6,400.0	6,220.6	6,236.1	6,225.2	31.4	22.3	-169.42	290.8	247.1	1,619.5	1,573.2	46.27	35.004		

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 #114H
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 #114H	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		
6,500.0	6,320.5	6,335.7	6,324.8	31.7	22.6	-169.47	290.6	246.6	1,623.3	1,576.4	46.92	34.599		
6,606.5	6,427.0	6,448.5	6,437.5	32.0	23.0	-0.18	290.0	247.8	1,624.2	1,576.6	47.65	34.087		
6,628.9	6,449.5	6,471.9	6,461.0	32.1	23.1	100.40	289.9	248.2	1,624.2	1,576.4	47.80	33.978		
6,650.0	6,470.5	6,493.8	6,482.9	32.1	23.2	100.46	289.7	248.6	1,624.2	1,576.3	47.94	33.879		
6,700.0	6,520.1	6,543.4	6,532.5	32.2	23.3	100.62	289.3	249.5	1,624.9	1,576.7	48.27	33.666		
6,750.0	6,569.0	6,592.3	6,581.3	32.3	23.5	100.84	289.0	250.2	1,626.5	1,577.9	48.59	33.477		
6,800.0	6,616.9	6,637.3	6,626.3	32.5	23.7	101.06	288.7	250.6	1,629.0	1,580.2	48.88	33.326		
6,850.0	6,663.3	6,681.1	6,670.2	32.6	23.8	101.28	288.4	251.0	1,632.7	1,583.5	49.17	33.203		
6,900.0	6,707.9	6,727.7	6,716.8	32.7	24.0	101.55	288.2	251.3	1,637.4	1,587.9	49.48	33.091		
6,950.0	6,750.3	6,772.4	6,761.4	32.8	24.1	101.79	287.9	251.6	1,643.3	1,593.5	49.78	33.008		
7,000.0	6,790.3	6,809.3	6,798.3	32.9	24.2	101.84	287.7	251.8	1,650.5	1,600.4	50.05	32.977		
7,050.0	6,827.5	6,843.0	6,832.1	33.0	24.4	101.74	287.5	251.9	1,659.3	1,609.0	50.31	32.982		
7,100.0	6,861.7	6,874.7	6,863.7	33.1	24.5	101.50	287.5	252.0	1,669.7	1,619.1	50.57	33.018		
7,150.0	6,892.6	6,907.4	6,896.4	33.2	24.6	101.17	287.4	252.2	1,681.7	1,630.8	50.85	33.070		
7,200.0	6,919.9	6,936.0	6,925.1	33.3	24.7	100.61	287.3	252.4	1,695.4	1,644.3	51.13	33.157		
7,250.0	6,943.5	6,960.4	6,949.5	33.4	24.8	99.77	287.2	252.7	1,710.8	1,659.4	51.41	33.280		
7,300.0	6,963.2	6,981.6	6,970.6	33.5	24.8	98.65	287.0	253.0	1,728.0	1,676.3	51.68	33.434		
7,350.0	6,978.7	6,998.3	6,987.3	33.6	24.9	97.20	286.9	253.2	1,746.8	1,694.9	51.95	33.625		
7,400.0	6,990.1	7,010.2	6,999.3	33.8	24.9	95.39	286.8	253.4	1,767.3	1,715.1	52.21	33.852		
7,450.0	6,997.2	7,017.4	7,006.4	33.9	25.0	93.21	286.7	253.5	1,789.2	1,736.7	52.44	34.116		
7,500.0	6,999.9	7,019.7	7,008.8	34.1	25.0	90.67	286.7	253.5	1,812.4	1,759.8	52.66	34.416		
7,506.5	7,000.0	7,019.7	7,008.7	34.1	25.0	90.31	286.7	253.5	1,815.5	1,762.8	52.69	34.458		
7,600.0	7,000.0	7,018.3	7,007.3	34.6	25.0	90.26	286.7	253.5	1,860.8	1,807.7	53.09	35.048		
7,700.0	7,000.0	7,016.8	7,005.9	35.2	25.0	90.20	286.7	253.5	1,910.3	1,856.7	53.58	35.655		
7,800.0	7,000.0	7,015.3	7,004.3	35.9	24.9	90.15	286.7	253.4	1,960.7	1,906.6	54.10	36.241		
7,900.0	7,000.0	7,013.8	7,002.8	36.8	24.9	90.09	286.7	253.4	2,011.8	1,957.2	54.66	36.809		
7,914.7	7,000.0	7,013.5	7,002.6	37.0	24.9	90.09	286.7	253.4	2,019.4	1,964.7	54.74	36.892		
8,000.0	7,000.0	7,012.2	7,001.2	37.9	24.9	90.04	286.8	253.4	2,064.7	2,009.5	55.23	37.385		
8,100.0	7,000.0	7,010.7	6,999.7	39.2	24.9	89.99	286.8	253.4	2,120.9	2,065.1	55.80	38.011		
8,200.0	7,000.0	7,009.1	6,998.2	40.6	24.9	89.94	286.8	253.3	2,180.3	2,124.0	56.36	38.688		
8,300.0	7,000.0	7,007.6	6,996.7	42.1	24.9	89.89	286.8	253.3	2,242.6	2,185.7	56.90	39.415		
8,400.0	7,000.0	7,006.1	6,995.2	43.8	24.9	89.84	286.8	253.3	2,307.5	2,250.1	57.42	40.189		
8,500.0	7,000.0	7,004.6	6,993.7	45.5	24.9	89.79	286.8	253.3	2,374.9	2,317.0	57.91	41.008		
8,600.0	7,000.0	7,003.2	6,992.2	47.3	24.9	89.74	286.8	253.3	2,444.5	2,386.1	58.38	41.869		
8,700.0	7,000.0	7,001.7	6,990.7	49.2	24.9	89.69	286.9	253.2	2,516.1	2,457.3	58.83	42.769		
8,800.0	7,000.0	7,000.2	6,989.3	51.2	24.9	89.65	286.9	253.2	2,589.6	2,530.4	59.25	43.707		
8,900.0	7,000.0	6,998.8	6,987.8	53.2	24.9	89.60	286.9	253.2	2,664.9	2,605.2	59.65	44.678		
9,000.0	7,000.0	6,997.4	6,986.4	55.2	24.9	89.55	286.9	253.2	2,741.7	2,681.7	60.02	45.680		
9,100.0	7,000.0	6,996.0	6,985.0	57.2	24.9	89.50	286.9	253.2	2,820.0	2,759.6	60.37	46.711		
9,200.0	7,000.0	6,994.6	6,983.6	59.3	24.9	89.46	286.9	253.1	2,899.6	2,838.9	60.70	47.770		
9,300.0	7,000.0	11,411.3	9,254.9	61.5	63.3	141.03	281.7	-2,130.7	2,900.6	2,813.4	87.23	33.251		
9,400.0	7,000.0	11,458.0	9,253.9	63.6	64.3	140.96	283.3	-2,177.4	2,903.4	2,814.2	89.29	32.519		
9,500.0	7,000.0	11,734.2	9,249.7	65.8	70.2	140.71	284.7	-2,453.4	2,907.7	2,812.1	95.60	30.414		
9,600.0	7,000.0	11,808.0	9,245.7	68.0	71.8	140.63	283.8	-2,527.1	2,905.4	2,807.1	98.25	29.570		
9,700.0	7,000.0	9,700.0	9,241.4	70.2	32.2	140.55	281.0	-2,637.5	2,903.4	2,835.1	68.29	42.514		
9,800.0	7,000.0	11,996.2	9,237.9	72.4	75.9	140.48	279.4	-2,715.0	2,901.4	2,797.1	104.30	27.819		
9,900.0	7,000.0	12,069.8	9,235.5	74.6	77.6	140.42	278.4	-2,788.6	2,900.6	2,793.6	106.97	27.116		
10,000.0	7,000.0	10,000.0	9,232.8	76.9	34.2	140.36	274.4	-2,916.8	2,899.6	2,822.7	76.96	37.678		
10,100.0	7,000.0	12,305.2	9,229.5	79.1	82.8	140.31	270.5	-3,023.8	2,897.6	2,783.7	113.91	25.437		
10,200.0	7,000.0	12,459.2	9,223.6	81.4	86.3	140.25	263.7	-3,177.5	2,894.1	2,776.1	118.07	24.512		
10,300.0	7,000.0	12,602.6	9,218.9	83.7	89.5	140.23	254.8	-3,320.6	2,890.4	2,768.5	121.95	23.701		
10,400.0	7,000.0	10,400.0	9,211.8	86.0	70.3	140.18	246.3	-3,458.1	2,885.5	2,805.3	80.18	35.985		

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 #114H
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 #114H	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		
10,500.0	7,000.0	12,845.8	9,204.1	88.3	95.0	140.12	239.7	-3,562.8	2,878.4	2,749.2	129.15	22.287		
10,600.0	7,000.0	12,878.0	9,201.7	90.6	95.8	140.09	238.2	-3,594.9	2,872.8	2,741.6	131.22	21.893		
10,700.0	7,000.0	12,926.7	9,198.9	92.9	96.9	140.05	236.5	-3,643.5	2,869.2	2,735.7	133.56	21.482		
10,800.0	7,000.0	12,972.0	9,197.7	95.2	97.9	140.02	235.4	-3,688.8	2,868.0	2,732.2	135.79	21.121		
10,900.0	7,000.0	13,097.5	9,197.4	97.5	100.8	140.03	229.5	-3,814.1	2,867.6	2,728.2	139.43	20.567		
11,000.0	7,000.0	13,272.3	9,195.4	99.9	104.8	140.07	217.9	-3,988.5	2,865.3	2,721.4	143.87	19.916		
11,100.0	7,000.0	13,338.6	9,193.0	102.2	106.4	140.05	214.8	-4,054.6	2,862.1	2,715.5	146.52	19.533		
11,200.0	7,000.0	13,400.6	9,191.5	104.5	107.8	140.03	211.9	-4,116.5	2,859.9	2,710.8	149.07	19.185		
11,287.6	7,000.0	13,446.0	9,191.4	106.6	108.9	140.04	209.5	-4,161.9	2,859.1	2,708.1	151.07	18.926		
11,300.0	7,000.0	13,446.0	9,191.4	106.9	108.9	140.04	209.5	-4,161.9	2,859.2	2,707.9	151.23	18.906		
11,400.0	7,000.0	13,507.1	9,192.0	109.2	110.3	140.05	206.9	-4,222.9	2,860.0	2,706.4	153.66	18.613		
11,500.0	7,000.0	13,570.3	9,193.0	111.6	111.8	140.04	205.7	-4,286.1	2,862.6	2,706.5	156.16	18.332		
11,600.0	7,000.0	13,680.6	9,193.5	114.0	114.4	139.97	205.8	-4,396.4	2,865.8	2,706.0	159.76	17.938		
11,700.0	7,000.0	11,700.0	9,190.6	116.3	67.9	139.82	207.0	-4,537.7	2,867.3	2,737.5	129.83	22.085		
11,800.0	7,000.0	13,868.8	9,188.2	118.7	118.8	139.73	209.3	-4,584.3	2,869.3	2,702.7	166.61	17.222		
11,900.0	7,000.0	13,909.0	9,186.9	121.0	119.7	139.65	211.8	-4,624.5	2,873.6	2,704.8	168.80	17.024		
12,000.0	7,000.0	13,955.1	9,186.6	123.4	120.8	139.57	214.8	-4,670.5	2,879.8	2,708.8	171.06	16.835		
12,100.0	7,000.0	14,015.4	9,187.7	125.8	122.2	139.49	218.4	-4,730.6	2,887.7	2,714.1	173.62	16.633		
12,200.0	7,000.0	14,218.7	9,182.4	128.2	127.0	139.02	236.9	-4,933.0	2,894.4	2,713.9	180.57	16.030		
12,300.0	7,000.0	14,284.0	9,179.4	130.6	128.6	138.84	243.2	-4,997.9	2,900.1	2,716.5	183.58	15.797		
12,400.0	7,000.0	14,334.3	9,177.9	132.9	129.8	138.72	248.3	-5,047.9	2,907.2	2,721.1	186.10	15.621		
12,500.0	7,000.0	14,415.6	9,177.0	135.3	131.7	138.54	256.5	-5,128.8	2,915.7	2,726.2	189.51	15.385		
12,600.0	7,000.0	12,600.0	9,185.5	137.7	133.4	138.75	227.4	-5,666.2	2,913.3	2,764.7	148.53	19.613		
12,700.0	7,000.0	15,012.6	9,187.4	140.1	145.8	138.88	217.4	-5,722.9	2,907.2	2,704.1	203.11	14.313		
12,800.0	7,000.0	15,108.1	9,188.9	142.5	148.0	139.02	205.3	-5,817.6	2,902.7	2,696.8	205.92	14.096		
12,900.0	7,000.0	15,209.5	9,182.8	144.9	150.4	138.96	200.2	-5,918.7	2,897.6	2,688.1	209.48	13.832		
13,000.0	7,000.0	15,274.5	9,177.6	147.3	151.9	138.87	199.1	-5,983.5	2,893.2	2,680.6	212.52	13.613		
13,100.0	7,000.0	15,335.7	9,173.3	149.7	153.4	138.78	198.7	-6,044.5	2,890.2	2,674.7	215.48	13.413		
13,200.0	7,000.0	15,416.1	9,167.9	152.1	155.3	138.65	199.0	-6,124.8	2,888.1	2,669.2	218.89	13.195		
13,300.0	7,000.0	15,485.1	9,163.5	154.5	157.0	138.54	199.9	-6,193.6	2,886.9	2,664.9	222.05	13.001		
13,346.7	7,000.0	15,514.0	9,161.8	155.6	157.7	138.49	200.4	-6,222.5	2,886.8	2,663.3	223.44	12.920		
13,400.0	7,000.0	15,543.8	9,160.4	156.9	158.4	138.45	200.9	-6,252.2	2,887.0	2,662.1	224.91	12.836		
13,500.0	7,000.0	15,609.0	9,159.5	159.3	159.9	138.39	201.1	-6,317.4	2,888.7	2,660.9	227.77	12.683		
13,600.0	7,000.0	15,750.9	9,159.8	161.7	163.3	138.35	198.3	-6,459.3	2,890.4	2,658.3	232.15	12.451		
13,700.0	7,000.0	15,964.9	9,157.3	164.1	168.4	138.35	187.1	-6,672.8	2,888.6	2,651.0	237.63	12.156		
13,800.0	7,000.0	16,100.1	9,150.0	166.5	171.7	138.26	181.4	-6,807.7	2,884.5	2,642.6	241.94	11.922		
13,900.0	7,000.0	16,177.0	9,146.9	168.9	173.5	138.24	176.7	-6,884.4	2,880.2	2,635.2	245.03	11.755		
14,000.0	7,000.0	16,250.3	9,145.0	171.3	175.3	138.24	171.9	-6,957.5	2,876.8	2,628.8	247.96	11.602		
14,100.0	7,000.0	16,308.2	9,143.7	173.7	176.7	138.23	169.0	-7,015.3	2,874.6	2,624.0	250.63	11.469		
14,177.4	7,000.0	16,349.5	9,142.8	175.6	177.7	138.21	167.9	-7,056.6	2,874.0	2,621.4	252.65	11.375		
14,200.0	7,000.0	16,367.0	9,142.4	176.1	178.1	138.20	167.6	-7,074.1	2,874.0	2,620.7	253.37	11.343		
14,300.0	7,000.0	14,300.0	9,139.3	178.5	128.3	138.10	166.8	-7,175.7	2,874.0	2,653.8	220.22	13.051		
14,312.4	7,000.0	16,480.5	9,138.8	178.8	180.8	138.09	166.8	-7,187.5	2,874.0	2,616.4	257.62	11.156		
14,400.0	7,000.0	16,534.1	9,137.5	180.9	182.1	138.05	166.5	-7,241.1	2,874.5	2,614.4	260.10	11.052		
14,500.0	7,000.0	16,673.7	9,134.0	183.3	185.5	137.92	166.1	-7,380.6	2,875.3	2,610.5	264.82	10.858		
14,600.0	7,000.0	16,785.0	9,129.7	185.7	188.1	137.80	165.5	-7,491.9	2,874.9	2,606.0	268.93	10.690		
14,695.6	7,000.0	16,864.2	9,126.7	188.0	190.0	137.72	164.9	-7,571.0	2,874.4	2,602.2	272.21	10.560		
14,700.0	7,000.0	16,866.7	9,126.7	188.2	190.1	137.72	164.9	-7,573.5	2,874.4	2,602.1	272.33	10.555		
14,800.0	7,000.0	16,934.0	9,126.4	190.6	191.7	137.70	163.4	-7,640.8	2,875.3	2,600.1	275.19	10.448		
14,900.0	7,000.0	16,970.6	9,127.0	193.0	192.6	137.69	162.6	-7,677.4	2,877.7	2,600.5	277.25	10.379		
15,000.0	7,000.0	17,235.0	9,122.0	195.4	199.0	137.50	160.5	-7,941.6	2,879.1	2,594.3	284.86	10.107		
15,100.0	7,000.0	17,312.3	9,118.8	197.8	200.9	137.43	158.8	-8,018.8	2,877.3	2,589.1	288.18	9.984		

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 #114H
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 #114H	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		
15,200.0	7,000.0	17,390.8	9,116.5	200.2	202.8	137.38	156.7	-8,097.3	2,876.2	2,584.7	291.44	9.869		
15,265.9	7,000.0	17,435.0	9,115.9	201.8	203.8	137.37	155.1	-8,141.4	2,875.9	2,582.5	293.34	9.804		
15,300.0	7,000.0	17,457.7	9,115.8	202.6	204.4	137.37	154.3	-8,164.1	2,875.9	2,581.6	294.31	9.772		
15,400.0	7,000.0	17,511.4	9,115.4	205.1	205.7	137.34	153.4	-8,217.8	2,877.1	2,580.2	296.91	9.690		
15,500.0	7,000.0	17,655.2	9,111.1	207.5	209.1	137.17	155.2	-8,361.5	2,878.6	2,576.6	302.06	9.530		
15,600.0	7,000.0	17,716.0	9,107.9	209.9	210.6	137.07	156.4	-8,422.2	2,879.3	2,574.2	305.14	9.436		
15,700.0	7,000.0	17,773.9	9,105.8	212.3	212.0	136.99	157.8	-8,480.1	2,881.4	2,573.3	308.06	9.353		
15,800.0	7,000.0	17,816.9	9,105.4	214.7	213.1	136.94	159.2	-8,523.0	2,885.8	2,575.4	310.39	9.297		
15,900.0	7,000.0	17,895.7	9,105.6	217.2	215.0	136.85	162.3	-8,601.8	2,891.4	2,577.7	313.75	9.216		
16,000.0	7,000.0	17,983.1	9,106.4	219.6	217.1	136.76	165.7	-8,689.1	2,897.7	2,580.4	317.34	9.131		
16,100.0	7,000.0	18,138.7	9,106.2	222.0	220.8	136.57	172.1	-8,844.5	2,903.3	2,580.1	323.14	8.984		
16,200.0	7,000.0	18,386.0	9,098.7	224.4	226.8	136.28	175.0	-9,091.6	2,904.0	2,572.8	331.27	8.766		
16,300.0	7,000.0	18,498.1	9,093.7	226.9	229.6	136.15	174.3	-9,203.6	2,903.2	2,567.6	335.62	8.650		
16,383.2	7,000.0	18,555.0	9,091.0	228.9	230.9	136.09	174.0	-9,260.5	2,902.6	2,564.2	338.37	8.578		
16,400.0	7,000.0	18,555.0	9,091.0	229.3	230.9	136.09	174.0	-9,260.5	2,902.7	2,564.0	338.63	8.572		
16,500.0	7,000.0	18,609.7	9,089.2	231.7	232.3	136.03	174.2	-9,315.1	2,903.7	2,562.2	341.50	8.503		
16,600.0	7,000.0	18,649.0	9,088.7	234.1	233.2	135.99	174.8	-9,354.4	2,906.8	2,563.0	343.81	8.455		
16,700.0	7,000.0	18,720.7	9,089.2	236.5	235.0	135.93	176.2	-9,426.1	2,911.6	2,564.6	346.91	8.393		
16,800.0	7,000.0	18,798.8	9,090.9	239.0	236.9	135.89	177.5	-9,504.2	2,917.2	2,567.1	350.10	8.332		
16,900.0	7,000.0	18,884.3	9,093.4	241.4	238.9	135.85	179.1	-9,589.6	2,923.4	2,569.9	353.45	8.271		
17,000.0	7,000.0	19,034.8	9,097.7	243.8	242.6	135.80	180.8	-9,740.1	2,929.3	2,570.7	358.61	8.168		
17,100.0	7,000.0	19,104.4	9,100.0	246.3	244.3	135.79	180.8	-9,809.6	2,934.5	2,573.1	361.42	8.119		
17,200.0	7,000.0	19,226.7	9,103.9	248.7	247.2	135.77	181.3	-9,931.8	2,940.0	2,574.3	365.69	8.040		
17,300.0	7,000.0	19,333.9	9,106.2	251.1	249.8	135.73	181.8	-10,039.0	2,944.8	2,575.2	369.63	7.967		
17,400.0	7,000.0	19,425.0	9,108.3	253.5	252.1	135.70	182.1	-10,130.1	2,949.6	2,576.5	373.12	7.905		
17,456.6	7,000.0	19,425.0	9,108.3	254.9	252.1	135.70	182.1	-10,130.1	2,953.0	2,579.3	373.62	7.904 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 #114H
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 #114H	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	-15.26	110.0	-30.0	114.0					
100.0	100.0	100.1	100.1	0.1	0.1	-15.21	110.0	-29.9	114.0	113.7	0.27	422.747		
200.0	200.0	200.6	200.6	0.5	0.4	-15.00	109.9	-29.4	113.8	112.9	0.91	124.519		
300.0	300.0	302.1	302.1	0.8	0.8	-14.43	109.1	-28.1	112.6	111.0	1.64	68.632		
400.0	400.0	402.7	402.6	1.2	1.2	-13.66	107.3	-26.1	110.4	108.1	2.36	46.767		
500.0	500.0	503.0	502.9	1.6	1.5	-12.76	105.2	-23.8	107.9	104.8	3.08	35.022		
600.0	600.0	603.1	603.0	1.9	1.9	178.96	102.9	-21.5	106.0	102.3	3.78	28.026		
633.1	633.1	635.7	635.6	2.0	2.0	179.28	102.2	-20.7	105.9	101.9	4.01	26.397	CC, ES	
700.0	700.0	701.9	701.7	2.2	2.3	179.87	101.2	-19.4	106.5	102.1	4.47	23.820		
800.0	799.9	801.7	801.5	2.6	2.6	-179.47	99.9	-17.9	109.3	104.2	5.17	21.139		
900.0	899.7	901.0	900.8	2.9	3.0	-178.94	98.7	-16.6	114.0	108.2	5.87	19.412		
1,000.0	999.4	999.4	999.2	3.3	3.3	-178.82	98.5	-16.1	121.6	115.1	6.56	18.526		
1,100.0	1,098.9	1,099.1	1,098.9	3.7	3.7	-179.01	98.7	-16.4	131.4	124.2	7.25	18.125		
1,200.0	1,198.3	1,198.6	1,198.4	4.0	4.0	-179.30	98.4	-16.9	142.5	134.6	7.94	17.958		
1,300.0	1,297.4	1,297.2	1,297.0	4.4	4.3	-179.57	98.4	-17.5	155.7	147.1	8.62	18.058		
1,400.0	1,396.3	1,395.8	1,395.6	4.8	4.6	-179.95	98.5	-18.5	170.8	161.5	9.31	18.340		
1,500.0	1,494.9	1,494.2	1,493.9	5.2	5.0	179.66	98.8	-19.8	187.8	177.8	10.01	18.768		
1,600.0	1,593.3	1,593.0	1,592.8	5.6	5.3	179.44	99.0	-20.8	206.5	195.7	10.71	19.278		
1,700.0	1,691.2	1,692.5	1,692.2	6.1	5.7	179.63	99.1	-20.2	226.3	214.9	11.42	19.811		
1,800.0	1,788.9	1,791.5	1,791.2	6.5	6.0	-179.91	98.7	-18.3	247.3	235.1	12.14	20.361		
1,900.0	1,886.1	1,888.8	1,888.5	7.0	6.4	-179.44	98.2	-16.0	269.7	256.8	12.86	20.971		
2,000.0	1,982.9	1,987.3	1,986.9	7.5	6.7	-179.20	97.4	-14.4	293.7	280.1	13.58	21.619		
2,100.0	2,079.3	2,080.5	2,080.1	8.0	7.1	-179.03	96.8	-13.1	319.5	305.3	14.28	22.373		
2,170.4	2,146.8	2,146.5	2,146.2	8.4	7.3	-178.90	97.0	-12.0	339.4	324.6	14.78	22.964		
2,200.0	2,175.2	2,174.2	2,173.9	8.5	7.4	-178.84	97.1	-11.5	347.9	333.0	14.99	23.218		
2,300.0	2,271.0	2,272.3	2,271.9	9.1	7.7	-178.70	97.5	-10.2	376.8	361.1	15.71	23.979		
2,400.0	2,366.7	2,369.5	2,369.1	9.6	8.1	-178.74	97.1	-9.7	405.1	388.7	16.44	24.648		
2,500.0	2,462.5	2,463.6	2,463.3	10.2	8.4	-178.78	96.9	-9.4	433.5	416.4	17.14	25.291		
2,600.0	2,558.3	2,559.6	2,559.2	10.7	8.8	-178.81	96.8	-9.0	462.1	444.2	17.86	25.869		
2,700.0	2,654.1	2,656.9	2,656.6	11.3	9.1	-178.84	96.5	-8.6	490.5	471.9	18.59	26.381		
2,800.0	2,749.9	2,754.1	2,753.8	11.8	9.4	-178.84	96.0	-8.0	518.6	499.3	19.32	26.838		
2,900.0	2,845.6	2,849.8	2,849.4	12.4	9.8	-178.83	95.4	-7.2	546.7	526.6	20.05	27.268		
3,000.0	2,941.4	2,945.4	2,945.1	12.9	10.1	-178.83	94.9	-6.5	574.8	554.0	20.77	27.670		
3,100.0	3,037.2	3,047.6	3,047.2	13.5	10.5	-178.75	94.0	-4.9	602.4	580.9	21.54	27.966		
3,200.0	3,133.0	3,153.4	3,152.9	14.1	10.9	-178.49	91.9	-1.1	628.8	606.4	22.34	28.151		
3,300.0	3,228.8	3,254.4	3,253.8	14.6	11.3	-178.09	89.2	4.6	654.1	631.0	23.11	28.308		
3,400.0	3,324.6	3,352.7	3,351.7	15.2	11.6	-177.64	86.3	11.2	679.0	655.1	23.87	28.449		
3,500.0	3,420.3	3,451.5	3,450.3	15.8	12.0	-177.20	83.3	18.1	703.9	679.2	24.64	28.571		
3,600.0	3,516.1	3,552.7	3,551.2	16.4	12.4	-176.80	79.6	25.1	728.1	702.7	25.42	28.642		
3,700.0	3,611.9	3,649.4	3,647.6	16.9	12.8	-176.45	75.7	31.6	752.1	725.9	26.18	28.727		
3,800.0	3,707.7	3,744.3	3,742.2	17.5	13.2	-176.15	72.1	37.8	776.4	749.4	26.93	28.825		
3,900.0	3,803.5	3,844.7	3,842.3	18.1	13.6	-175.85	68.3	44.2	800.7	773.0	27.72	28.886		
4,000.0	3,899.2	3,954.8	3,951.9	18.7	14.0	-175.44	63.2	53.0	824.0	795.5	28.57	28.840		
4,100.0	3,995.0	4,060.1	4,056.4	19.2	14.5	-174.89	57.1	64.1	846.0	816.6	29.42	28.761		
4,200.0	4,090.8	4,161.1	4,156.5	19.8	14.9	-174.26	50.8	76.7	867.4	837.2	30.25	28.672		
4,300.0	4,186.6	4,256.8	4,251.2	20.4	15.4	-173.68	44.8	88.7	888.8	857.8	31.07	28.607		
4,400.0	4,282.4	4,355.7	4,349.2	21.0	15.8	-173.14	38.5	100.8	910.3	878.4	31.91	28.527		
4,500.0	4,378.1	4,451.0	4,443.6	21.6	16.2	-172.69	32.4	111.7	931.9	899.2	32.73	28.473		
4,600.0	4,473.9	4,546.7	4,538.7	22.1	16.7	-172.31	26.4	121.7	953.7	920.2	33.55	28.428		
4,700.0	4,569.7	4,639.0	4,630.3	22.7	17.1	-171.97	20.9	131.3	975.9	941.6	34.35	28.415		
4,800.0	4,665.5	4,736.5	4,727.1	23.3	17.6	-171.59	15.4	141.9	998.4	963.3	35.19	28.376		
4,900.0	4,761.3	4,837.6	4,827.3	23.9	18.0	-171.19	9.6	153.3	1,020.8	984.8	36.06	28.311		

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 #114H
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 #114H	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		
5,000.0	4,857.0	4,942.7	4,931.4	24.5	18.5	-170.74	2.8	166.3	1,042.5	1,005.5	36.97	28.197		
5,100.0	4,952.8	5,036.7	5,024.5	25.1	19.0	-170.36	-3.4	177.7	1,064.1	1,026.3	37.82	28.138		
5,200.0	5,048.6	5,127.8	5,114.8	25.6	19.4	-170.05	-9.0	187.8	1,086.3	1,047.7	38.63	28.118		
5,300.0	5,144.4	5,224.6	5,211.0	26.2	19.9	-169.79	-14.6	197.7	1,108.8	1,069.4	39.48	28.085		
5,400.0	5,240.2	5,324.7	5,310.4	26.8	20.4	-169.52	-20.6	208.1	1,131.2	1,090.9	40.35	28.034		
5,492.9	5,329.1	5,413.7	5,398.8	27.3	20.8	-169.31	-26.0	216.9	1,151.9	1,110.8	41.13	28.006		
5,500.0	5,335.9	5,420.3	5,405.3	27.4	20.8	-169.30	-26.4	217.5	1,153.5	1,112.3	41.19	28.005		
5,600.0	5,432.1	5,517.2	5,501.7	28.0	21.3	-169.16	-32.0	226.4	1,174.7	1,132.6	42.02	27.952		
5,700.0	5,529.0	5,608.7	5,592.6	28.5	21.7	-169.04	-37.4	234.4	1,193.3	1,150.5	42.81	27.875		
5,800.0	5,626.5	5,691.9	5,675.5	29.0	22.0	-168.95	-41.3	240.6	1,210.6	1,167.0	43.51	27.822		
5,900.0	5,724.5	5,780.9	5,764.3	29.5	22.4	-168.93	-44.4	245.3	1,226.4	1,182.2	44.22	27.736		
6,000.0	5,823.1	5,874.3	5,857.6	29.9	22.8	-168.94	-47.4	249.1	1,240.1	1,195.1	44.93	27.603		
6,100.0	5,922.0	5,957.3	5,940.6	30.3	23.1	-169.01	-49.1	250.7	1,252.2	1,206.7	45.52	27.508		
6,200.0	6,021.3	6,047.2	6,030.5	30.7	23.4	-169.11	-50.1	251.2	1,262.9	1,216.7	46.14	27.372		
6,300.0	6,120.9	6,141.5	6,124.8	31.1	23.7	-169.20	-50.6	251.4	1,271.5	1,224.7	46.77	27.186		
6,400.0	6,220.6	6,237.6	6,220.8	31.4	24.0	-169.26	-50.6	251.7	1,278.0	1,230.6	47.42	26.954		
6,500.0	6,320.5	6,338.2	6,321.5	31.7	24.3	-169.27	-50.8	252.4	1,281.8	1,233.8	48.09	26.654		
6,606.5	6,427.0	6,434.8	6,418.1	32.0	24.6	0.00	-50.5	253.0	1,283.7	1,235.0	48.71	26.357		
6,650.0	6,470.5	6,477.2	6,460.4	32.1	24.8	100.57	-50.2	253.2	1,284.3	1,235.4	48.97	26.225		
6,700.0	6,520.1	6,533.3	6,516.5	32.2	25.0	100.74	-49.8	253.5	1,285.8	1,236.4	49.35	26.053		
6,750.0	6,569.0	6,594.8	6,578.1	32.3	25.2	101.12	-49.9	253.8	1,287.7	1,237.9	49.78	25.866		
6,800.0	6,616.9	6,643.8	6,627.1	32.5	25.3	101.50	-50.3	254.1	1,290.3	1,240.1	50.13	25.739		
6,850.0	6,663.3	6,691.9	6,675.1	32.6	25.5	101.93	-50.7	254.3	1,293.9	1,243.4	50.48	25.631		
6,900.0	6,707.9	6,734.1	6,717.4	32.7	25.6	102.29	-51.0	254.4	1,298.7	1,247.9	50.80	25.565		
6,950.0	6,750.3	6,774.8	6,758.0	32.8	25.8	102.61	-51.3	254.5	1,305.0	1,253.8	51.12	25.526		
7,000.0	6,790.3	6,816.6	6,799.8	32.9	25.9	102.92	-51.6	254.6	1,312.8	1,261.3	51.47	25.503		
7,050.0	6,827.5	6,855.8	6,839.0	33.0	26.0	103.13	-51.9	254.8	1,322.1	1,270.3	51.83	25.511		
7,100.0	6,861.7	6,891.6	6,874.9	33.1	26.2	103.15	-52.3	255.2	1,333.3	1,281.1	52.18	25.553		
7,150.0	6,892.6	6,923.8	6,907.1	33.2	26.3	102.94	-52.7	255.5	1,346.4	1,293.9	52.53	25.631		
7,200.0	6,919.9	6,952.1	6,935.3	33.3	26.4	102.43	-53.1	256.0	1,361.5	1,308.6	52.87	25.750		
7,250.0	6,943.5	6,976.2	6,959.5	33.4	26.5	101.58	-53.5	256.4	1,378.6	1,325.4	53.21	25.910		
7,300.0	6,963.2	6,993.8	6,977.0	33.5	26.5	100.26	-53.8	256.6	1,397.8	1,344.3	53.51	26.121		
7,350.0	6,978.7	7,008.3	6,991.5	33.6	26.6	98.56	-54.0	256.8	1,419.0	1,365.1	53.81	26.370		
7,400.0	6,990.1	7,018.8	7,002.1	33.8	26.6	96.45	-54.1	257.0	1,442.0	1,387.9	54.09	26.658		
7,450.0	6,997.2	7,025.3	7,008.5	33.9	26.6	93.89	-54.2	257.0	1,466.8	1,412.5	54.35	26.986		
7,500.0	6,999.9	7,027.6	7,010.8	34.1	26.6	90.91	-54.2	257.0	1,493.1	1,438.5	54.59	27.351		
7,506.5	7,000.0	7,027.6	7,010.8	34.1	26.6	90.49	-54.2	257.0	1,496.6	1,442.0	54.62	27.401		
7,600.0	7,000.0	7,026.8	7,010.0	34.6	26.6	90.45	-54.2	257.0	1,548.0	1,493.0	55.03	28.130		
7,700.0	7,000.0	7,025.9	7,009.1	35.2	26.6	90.40	-54.2	257.0	1,604.5	1,549.0	55.49	28.917		
7,800.0	7,000.0	7,024.9	7,008.2	35.9	26.6	90.35	-54.2	257.0	1,662.4	1,606.4	55.95	29.712		
7,900.0	7,000.0	7,023.9	7,007.1	36.8	26.6	90.30	-54.2	257.0	1,721.3	1,664.9	56.42	30.512		
7,914.7	7,000.0	7,023.7	7,007.0	37.0	26.6	90.29	-54.2	257.0	1,730.1	1,673.6	56.48	30.631		
8,000.0	7,000.0	7,022.8	7,006.0	37.9	26.6	90.25	-54.1	257.0	1,782.2	1,725.4	56.87	31.339		
8,100.0	7,000.0	7,021.7	7,004.9	39.2	26.6	90.21	-54.1	257.0	1,846.5	1,789.2	57.30	32.224		
8,200.0	7,000.0	7,020.6	7,003.8	40.6	26.6	90.16	-54.1	257.0	1,913.9	1,856.2	57.71	33.166		
8,300.0	7,000.0	7,019.4	7,002.6	42.1	26.6	90.11	-54.1	257.0	1,984.0	1,925.9	58.08	34.159		
8,400.0	7,000.0	7,018.2	7,001.5	43.8	26.6	90.06	-54.1	256.9	2,056.6	1,998.2	58.43	35.200		
8,500.0	7,000.0	7,017.0	7,000.3	45.5	26.6	90.01	-54.1	256.9	2,131.4	2,072.7	58.75	36.282		
8,600.0	7,000.0	7,015.8	6,999.0	47.3	26.6	89.96	-54.1	256.9	2,208.2	2,149.2	59.04	37.403		
8,700.0	7,000.0	7,014.5	6,997.8	49.2	26.6	89.91	-54.0	256.9	2,286.8	2,227.5	59.31	38.560		
8,800.0	7,000.0	7,013.2	6,996.5	51.2	26.6	89.86	-54.0	256.9	2,367.0	2,307.5	59.55	39.747		
8,900.0	7,000.0	7,011.9	6,995.1	53.2	26.6	89.80	-54.0	256.9	2,448.7	2,388.9	59.78	40.963		

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 #114H
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 #114H	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		
9,000.0	7,000.0	7,010.6	6,993.8	55.2	26.6	89.75	-54.0	256.9	2,531.7	2,471.7	59.98	42.205		
9,100.0	7,000.0	7,009.2	6,992.4	57.2	26.6	89.69	-54.0	256.8	2,615.8	2,555.7	60.18	43.470		
9,200.0	7,000.0	7,007.7	6,991.0	59.3	26.6	89.63	-53.9	256.8	2,701.1	2,640.7	60.35	44.756		
9,300.0	7,000.0	7,006.3	6,989.5	61.5	26.6	89.57	-53.9	256.8	2,787.3	2,726.8	60.51	46.062		
9,400.0	7,000.0	7,004.8	6,988.0	63.6	26.5	89.51	-53.9	256.8	2,874.4	2,813.8	60.66	47.384		
9,500.0	7,000.0	7,003.3	6,986.5	65.8	26.5	89.45	-53.9	256.8	2,962.4	2,901.6	60.80	48.723		
9,600.0	7,000.0	7,001.7	6,984.9	68.0	26.5	89.38	-53.9	256.7	3,051.1	2,990.1	60.93	50.075		
9,700.0	7,000.0	7,000.1	6,983.3	70.2	26.5	89.31	-53.8	256.7	3,140.4	3,079.4	61.05	51.441		
9,800.0	7,000.0	6,998.4	6,981.6	72.4	26.5	89.25	-53.8	256.7	3,230.4	3,169.2	61.16	52.818		
9,900.0	7,000.0	6,996.7	6,979.9	74.6	26.5	89.18	-53.8	256.7	3,320.9	3,259.7	61.27	54.206		
10,000.0	7,000.0	6,995.0	6,978.2	76.9	26.5	89.10	-53.8	256.6	3,412.0	3,350.7	61.36	55.604		
10,100.0	7,000.0	6,993.2	6,976.4	79.1	26.5	89.03	-53.7	256.6	3,503.6	3,442.1	61.45	57.011		
10,200.0	7,000.0	12,930.0	10,172.6	81.4	166.6	154.57	-56.0	-2,657.3	3,536.3	3,415.6	120.69	29.300		
10,300.0	7,000.0	13,620.2	10,172.8	83.7	205.9	153.68	-23.4	-3,344.3	3,544.5	3,400.9	143.54	24.693		
10,400.0	7,000.0	10,400.0	10,167.3	86.0	188.6	153.77	-39.0	-3,497.2	3,538.6	3,441.4	97.22	36.398		
10,500.0	7,000.0	13,827.8	10,164.4	88.3	217.7	153.79	-43.7	-3,550.7	3,532.2	3,381.3	150.92	23.404		
10,600.0	7,000.0	13,879.0	10,163.4	90.6	220.6	153.81	-47.8	-3,601.7	3,528.2	3,374.8	153.42	22.997		
10,700.0	7,000.0	13,923.0	10,163.1	92.9	223.1	153.82	-50.9	-3,645.6	3,525.6	3,369.8	155.74	22.637		
10,800.0	7,000.0	10,800.0	10,157.2	95.2	67.5	153.77	-56.3	-3,793.3	3,522.0	3,435.5	86.54	40.698		
10,900.0	7,000.0	14,119.0	10,155.1	97.5	234.4	153.74	-57.5	-3,841.3	3,518.9	3,355.3	163.66	21.501		
11,000.0	7,000.0	14,162.0	10,154.6	99.9	236.8	153.75	-59.7	-3,884.2	3,517.5	3,351.5	166.00	21.189		
11,100.0	7,000.0	14,352.0	10,152.1	102.2	247.8	153.74	-68.7	-4,074.0	3,516.6	3,344.3	172.22	20.419		
11,200.0	7,000.0	14,403.0	10,150.7	104.5	250.7	153.74	-70.8	-4,124.9	3,514.0	3,339.2	174.85	20.097		
11,300.0	7,000.0	11,300.0	10,149.6	106.9	85.1	153.76	-77.6	-4,237.3	3,512.3	3,418.3	94.07	37.337		
11,400.0	7,000.0	14,860.6	10,131.9	109.2	277.0	153.72	-97.9	-4,580.7	3,507.6	3,318.6	188.97	18.561		
11,500.0	7,000.0	14,919.0	10,125.5	111.6	280.4	153.65	-99.1	-4,638.7	3,498.8	3,306.6	192.21	18.203		
11,600.0	7,000.0	14,963.5	10,121.0	114.0	282.9	153.60	-99.5	-4,683.0	3,491.5	3,296.4	195.05	17.901		
11,700.0	7,000.0	15,014.0	10,117.3	116.3	285.8	153.54	-99.7	-4,733.3	3,486.2	3,288.2	198.01	17.606		
11,800.0	7,000.0	15,014.0	10,117.3	118.7	285.8	153.54	-99.7	-4,733.3	3,482.7	3,283.4	199.35	17.470		
11,900.0	7,000.0	15,080.5	10,114.7	121.0	289.7	153.50	-100.6	-4,799.7	3,480.7	3,278.1	202.63	17.177		
12,000.0	7,000.0	15,146.4	10,114.5	123.4	293.5	153.49	-103.3	-4,865.6	3,480.3	3,274.7	205.64	16.924		
12,100.0	7,000.0	15,248.3	10,116.5	125.8	299.4	153.57	-111.9	-4,967.1	3,480.2	3,271.0	209.14	16.641		
12,200.0	7,000.0	12,200.0	10,113.3	128.2	125.4	153.54	-119.6	-5,172.7	3,479.5	3,348.4	131.08	26.544		
12,300.0	7,000.0	15,483.0	10,111.3	130.6	312.9	153.49	-118.8	-5,201.1	3,477.0	3,258.7	218.36	15.924		
12,388.3	7,000.0	15,532.2	10,107.3	132.7	315.7	153.39	-115.9	-5,250.0	3,475.4	3,254.0	221.38	15.699		
12,400.0	7,000.0	15,534.5	10,107.2	132.9	315.9	153.39	-115.8	-5,252.4	3,475.4	3,253.8	221.60	15.683		
12,500.0	7,000.0	15,578.0	10,107.0	135.3	318.4	153.34	-114.5	-5,295.8	3,477.2	3,253.0	224.23	15.507		
12,600.0	7,000.0	15,578.0	10,107.0	137.7	318.4	153.34	-114.5	-5,295.8	3,480.6	3,255.3	225.23	15.453		
12,700.0	7,000.0	15,870.4	10,105.2	140.1	335.4	153.12	-112.8	-5,588.1	3,481.4	3,245.2	236.12	14.744		
12,800.0	7,000.0	15,946.6	10,102.7	142.5	339.8	153.04	-111.6	-5,664.2	3,481.0	3,241.0	239.98	14.505		
12,900.0	7,000.0	16,080.3	10,101.2	144.9	347.5	153.01	-115.6	-5,797.8	3,480.6	3,235.5	245.13	14.199		
13,000.0	7,000.0	16,218.5	10,102.6	147.3	355.5	153.13	-129.0	-5,935.4	3,478.9	3,229.7	249.28	13.956		
13,100.0	7,000.0	16,299.1	10,101.5	149.7	360.2	153.14	-133.7	-6,015.8	3,477.0	3,224.3	252.66	13.761		
13,200.0	7,000.0	13,200.0	10,097.7	152.1	180.2	153.08	-136.5	-6,137.5	3,475.0	3,304.5	170.53	20.378		
13,300.0	7,000.0	16,469.3	10,096.2	154.5	370.1	153.06	-137.7	-6,185.9	3,473.3	3,212.9	260.43	13.337		
13,335.3	7,000.0	16,480.4	10,096.2	155.3	370.7	153.06	-138.3	-6,196.9	3,473.2	3,212.0	261.16	13.299		
13,400.0	7,000.0	16,523.0	10,097.7	156.9	373.2	153.09	-141.6	-6,239.4	3,473.8	3,211.0	262.87	13.215		
13,500.0	7,000.0	16,566.3	10,100.2	159.3	375.7	153.15	-146.0	-6,282.4	3,475.7	3,210.9	264.81	13.125		
13,600.0	7,000.0	16,663.9	10,105.3	161.7	381.3	153.27	-155.7	-6,379.4	3,477.8	3,210.0	267.80	12.987		
13,700.0	7,000.0	16,902.0	10,108.4	164.1	395.1	153.40	-172.6	-6,616.6	3,476.9	3,202.3	274.64	12.660		
13,800.0	7,000.0	16,955.2	10,106.8	166.5	398.2	153.37	-174.0	-6,669.8	3,475.4	3,197.9	277.52	12.523		
13,813.0	7,000.0	16,959.1	10,106.7	166.8	398.4	153.37	-174.1	-6,673.7	3,475.4	3,197.6	277.79	12.511		

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 #114H
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 #114H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design David Edelstein - David Edelstein #223 - OH - Actual													Offset Site Error:	0.0 usft
Survey Program: 135-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
13,900.0	7,000.0	16,997.0	10,107.1	168.9	400.6	153.37	-175.3	-6,711.6	3,476.2	3,196.3	279.88	12.420		
14,000.0	7,000.0	17,065.4	10,108.4	171.3	404.6	153.36	-177.0	-6,779.9	3,478.5	3,195.5	282.97	12.293		
14,100.0	7,000.0	17,233.0	10,107.8	173.7	414.4	153.29	-179.2	-6,947.5	3,479.2	3,189.7	289.49	12.018		
14,200.0	7,000.0	17,331.3	10,108.0	176.1	420.1	153.27	-182.2	-7,045.7	3,479.8	3,186.3	293.55	11.855		
14,300.0	7,000.0	17,458.6	10,105.4	178.5	427.5	153.18	-182.6	-7,173.0	3,479.8	3,180.7	299.04	11.636		
14,400.0	7,000.0	17,567.0	10,102.9	180.9	433.8	153.13	-184.6	-7,281.4	3,478.6	3,174.9	303.73	11.453		
14,420.7	7,000.0	17,567.0	10,102.9	181.4	433.8	153.13	-184.6	-7,281.4	3,478.6	3,174.6	303.99	11.443		
14,500.0	7,000.0	17,604.2	10,102.1	183.3	436.0	153.10	-184.9	-7,318.5	3,478.7	3,172.5	306.17	11.362		
14,600.0	7,000.0	17,629.6	10,102.3	185.7	437.4	153.09	-185.2	-7,343.9	3,481.0	3,172.9	308.05	11.300		
14,700.0	7,000.0	17,663.0	10,103.6	188.2	439.4	153.08	-185.5	-7,377.3	3,485.4	3,175.4	310.03	11.242		
14,800.0	7,000.0	17,702.4	10,106.0	190.6	441.7	153.09	-186.2	-7,416.6	3,491.7	3,179.8	311.98	11.192		
14,900.0	7,000.0	17,763.8	10,111.3	193.0	445.2	153.13	-188.9	-7,477.7	3,499.3	3,185.1	314.29	11.134		
15,000.0	7,000.0	18,108.8	10,129.5	195.4	465.2	153.26	-202.6	-7,821.6	3,504.6	3,179.7	324.86	10.788		
15,100.0	7,000.0	18,178.3	10,128.2	197.8	469.3	153.18	-200.9	-7,891.1	3,506.0	3,177.3	328.68	10.667		
15,200.0	7,000.0	18,249.2	10,127.7	200.2	473.4	153.10	-198.7	-7,961.9	3,508.5	3,176.0	332.54	10.551		
15,300.0	7,000.0	18,351.6	10,126.6	202.6	479.4	152.98	-195.4	-8,064.3	3,511.0	3,173.2	337.73	10.396		
15,400.0	7,000.0	18,420.0	10,126.9	205.1	483.4	152.91	-193.2	-8,132.6	3,514.5	3,173.0	341.46	10.292		
15,500.0	7,000.0	18,549.0	10,125.0	207.5	490.9	152.73	-187.3	-8,261.5	3,517.1	3,169.0	348.09	10.104		
15,600.0	7,000.0	18,609.0	10,124.1	209.9	494.3	152.63	-182.7	-8,321.3	3,520.9	3,168.9	351.96	10.004		
15,700.0	7,000.0	18,654.3	10,123.7	212.3	496.9	152.53	-178.4	-8,366.4	3,526.0	3,170.8	355.18	9.927		
15,800.0	7,000.0	18,792.1	10,120.3	214.7	504.9	152.19	-161.9	-8,503.1	3,531.4	3,167.5	363.86	9.705		
15,900.0	7,000.0	18,946.2	10,115.0	217.2	513.8	151.85	-147.5	-8,656.5	3,534.5	3,161.5	373.02	9.475		
16,000.0	7,000.0	19,271.0	10,108.5	219.6	532.6	151.74	-156.8	-8,980.7	3,531.1	3,146.7	384.43	9.185		
16,100.0	7,000.0	19,320.7	10,108.5	222.0	535.5	151.79	-162.2	-9,030.1	3,528.2	3,141.3	386.84	9.121		
16,200.0	7,000.0	19,649.0	10,103.2	224.4	554.4	152.16	-204.6	-9,355.3	3,521.6	3,129.6	392.07	8.982		
16,300.0	7,000.0	19,681.0	10,102.1	226.9	556.2	152.19	-208.4	-9,387.1	3,514.4	3,119.9	394.54	8.908		
16,400.0	7,000.0	19,744.0	10,100.5	229.3	559.9	152.24	-215.6	-9,449.6	3,508.7	3,111.4	397.28	8.832		
16,500.0	7,000.0	19,836.1	10,098.7	231.7	565.2	152.32	-226.0	-9,541.1	3,503.7	3,103.4	400.32	8.752		
16,600.0	7,000.0	19,893.5	10,098.1	234.1	568.5	152.38	-232.7	-9,598.1	3,499.1	3,096.3	402.80	8.687		
16,700.0	7,000.0	16,700.0	10,097.7	236.5	384.3	152.50	-245.5	-9,704.0	3,495.3	3,180.3	315.00	11.096		
16,800.0	7,000.0	20,150.2	10,094.2	239.0	583.4	152.61	-261.1	-9,853.2	3,490.2	3,080.5	409.67	8.520		
16,900.0	7,000.0	20,249.9	10,090.1	241.4	589.1	152.66	-270.6	-9,952.4	3,484.1	3,070.9	413.19	8.432		
17,000.0	7,000.0	20,313.0	10,088.8	243.8	592.8	152.70	-276.7	-10,015.2	3,479.5	3,063.5	415.97	8.365		
17,100.0	7,000.0	20,335.7	10,088.8	246.3	594.1	152.72	-278.9	-10,037.8	3,476.2	3,058.3	417.96	8.317		
17,200.0	7,000.0	20,399.7	10,089.6	248.7	597.8	152.78	-285.1	-10,101.4	3,474.7	3,054.3	420.41	8.265		
17,266.8	7,000.0	20,424.0	10,089.9	250.3	599.2	152.80	-287.4	-10,125.6	3,474.1	3,052.4	421.69	8.239		
17,300.0	7,000.0	20,424.0	10,089.9	251.1	599.2	152.80	-287.4	-10,125.6	3,474.3	3,052.2	422.09	8.231		
17,400.0	7,000.0	20,424.0	10,089.9	253.5	599.2	152.80	-287.4	-10,125.6	3,476.7	3,053.6	423.06	8.218		
17,456.6	7,000.0	20,424.0	10,089.9	254.9	599.2	152.80	-287.4	-10,125.6	3,479.3	3,055.9	423.47	8.216 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 #114H
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 #114H	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	-169.56	30.0	0.0	30.9	27.0	3.82	8.069		
700.0	700.0	700.0	700.0	2.2	2.3	-170.37	30.0	0.0	33.4	28.9	4.52	7.403		
800.0	799.9	800.1	799.9	2.6	2.6	-171.47	30.0	0.0	37.7	32.5	5.22	7.236		
900.0	899.7	900.3	899.7	2.9	3.0	-172.65	30.0	0.0	43.8	37.9	5.92	7.396		
1,000.0	999.4	999.4	999.4	3.3	3.4	-173.75	30.0	0.0	51.6	45.0	6.63	7.785		
1,100.0	1,098.9	1,099.8	1,099.8	3.7	3.7	-174.30	29.3	0.5	60.4	53.1	7.32	8.247		
1,200.0	1,198.3	1,200.4	1,200.3	4.0	4.0	-174.08	27.2	2.1	69.4	61.4	8.01	8.670		
1,300.0	1,297.4	1,301.0	1,300.9	4.4	4.4	-173.36	23.7	4.7	78.7	70.0	8.70	9.047		
1,400.0	1,396.3	1,401.8	1,401.5	4.8	4.7	-172.29	18.7	8.4	88.3	78.9	9.40	9.391		
1,500.0	1,494.9	1,502.6	1,502.0	5.2	5.1	-171.00	12.4	13.2	98.2	88.1	10.11	9.710		
1,600.0	1,593.3	1,603.5	1,602.4	5.6	5.4	-169.55	4.6	19.0	108.4	97.6	10.83	10.011		
1,700.0	1,691.2	1,704.5	1,702.8	6.1	5.8	-167.98	-4.6	25.9	119.0	107.4	11.55	10.298		
1,800.0	1,788.9	1,805.6	1,802.9	6.5	6.2	-166.35	-15.2	33.9	130.0	117.7	12.29	10.574		
1,900.0	1,886.1	1,904.7	1,901.1	7.0	6.5	-164.97	-26.3	42.2	142.1	129.1	13.04	10.899		
2,000.0	1,982.9	2,003.7	1,999.1	7.5	6.9	-163.97	-37.3	50.4	156.0	142.2	13.79	11.308		
2,100.0	2,079.3	2,102.5	2,096.9	8.0	7.3	-163.29	-48.3	58.7	171.5	157.0	14.56	11.785		
2,170.4	2,146.8	2,171.8	2,165.6	8.4	7.6	-162.97	-56.0	64.5	183.5	168.4	15.10	12.155		
2,200.0	2,175.2	2,201.0	2,194.5	8.5	7.7	-162.88	-59.3	66.9	188.7	173.4	15.32	12.314		
2,300.0	2,271.0	2,300.6	2,292.0	9.1	8.1	-162.61	-70.2	75.1	206.3	190.2	16.10	12.813		
2,400.0	2,366.7	2,402.1	2,389.4	9.6	8.5	-162.37	-81.2	83.3	223.8	207.0	16.89	13.256		
2,500.0	2,462.5	2,496.3	2,486.9	10.2	8.9	-162.17	-92.2	91.5	241.4	223.8	17.65	13.678		
2,600.0	2,558.3	2,605.3	2,584.4	10.7	9.3	-162.00	-103.1	99.8	259.0	240.5	18.47	14.020		
2,700.0	2,654.1	2,706.8	2,681.9	11.3	9.7	-161.85	-114.1	108.0	276.6	257.3	19.27	14.351		
2,800.0	2,749.9	2,808.4	2,779.4	11.8	10.1	-161.72	-125.1	116.2	294.2	274.1	20.07	14.654		
2,900.0	2,845.6	2,890.1	2,876.8	12.4	10.5	-161.60	-136.0	124.4	311.7	290.9	20.80	14.986		
3,000.0	2,941.4	2,988.5	2,974.3	12.9	10.9	-161.49	-147.0	132.6	329.3	307.7	21.60	15.249		
3,100.0	3,037.2	3,086.9	3,071.8	13.5	11.3	-161.40	-158.0	140.8	346.9	324.5	22.39	15.492		
3,200.0	3,133.0	3,185.4	3,169.3	14.1	11.7	-161.31	-168.9	149.0	364.5	341.3	23.19	15.717		
3,300.0	3,228.8	3,283.8	3,266.8	14.6	12.1	-161.24	-179.9	157.3	382.1	358.1	23.99	15.926		
3,400.0	3,324.6	3,382.3	3,364.3	15.2	12.5	-161.17	-190.9	165.5	399.7	374.9	24.79	16.121		
3,500.0	3,420.3	3,480.7	3,461.7	15.8	12.9	-161.10	-201.8	173.7	417.2	391.7	25.59	16.302		
3,600.0	3,516.1	3,579.1	3,559.2	16.4	13.3	-161.04	-212.8	181.9	434.8	408.4	26.40	16.472		
3,700.0	3,611.9	3,677.6	3,656.7	16.9	13.7	-160.99	-223.7	190.1	452.4	425.2	27.20	16.631		
3,800.0	3,707.7	3,776.0	3,754.2	17.5	14.1	-160.94	-234.7	198.3	470.0	442.0	28.01	16.780		
3,900.0	3,803.5	3,874.5	3,851.7	18.1	14.5	-160.89	-245.7	206.5	487.6	458.8	28.82	16.921		
4,000.0	3,899.2	3,972.9	3,949.2	18.7	14.9	-160.84	-256.6	214.8	505.2	475.6	29.63	17.053		
4,100.0	3,995.0	4,071.3	4,046.6	19.2	15.4	-160.80	-267.6	223.0	522.8	492.3	30.43	17.178		
4,200.0	4,090.8	4,167.1	4,141.5	19.8	15.7	-160.77	-278.2	230.9	540.4	509.2	31.23	17.308		
4,300.0	4,186.6	4,256.2	4,229.9	20.4	16.1	-160.86	-288.8	237.4	559.3	527.4	31.96	17.503		
4,400.0	4,282.4	4,344.6	4,317.9	21.0	16.5	-161.09	-293.7	242.5	579.8	547.2	32.66	17.756		
4,500.0	4,378.1	4,432.4	4,405.4	21.6	16.8	-161.45	-298.9	246.5	602.0	568.7	33.33	18.064		
4,600.0	4,473.9	4,519.3	4,492.2	22.1	17.1	-161.90	-302.5	249.2	625.8	591.8	33.96	18.425		
4,700.0	4,569.7	4,605.3	4,578.2	22.7	17.4	-162.44	-304.6	250.7	651.2	616.6	34.57	18.837		
4,800.0	4,665.5	4,707.4	4,665.5	23.3	17.7	-163.07	-305.0	251.0	678.2	643.0	35.21	19.263		
4,900.0	4,761.3	4,788.4	4,761.3	23.9	18.0	-163.75	-305.0	251.0	705.9	670.0	35.83	19.702		
5,000.0	4,857.0	4,884.1	4,857.0	24.5	18.3	-164.38	-305.0	251.0	733.6	697.1	36.50	20.099		

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 #114H
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 #114H	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	4,952.8	4,979.9	4,952.8	25.1	18.6	-164.96	-305.0	251.0	761.4	724.2	37.17	20.482		
5,200.0	5,048.6	5,075.7	5,048.6	25.6	18.9	-165.50	-305.0	251.0	789.3	751.4	37.85	20.850		
5,300.0	5,144.4	5,171.5	5,144.4	26.2	19.2	-166.00	-305.0	251.0	817.2	778.6	38.54	21.205		
5,400.0	5,240.2	5,267.3	5,240.2	26.8	19.5	-166.47	-305.0	251.0	845.2	805.9	39.22	21.548		
5,492.9	5,329.1	5,356.2	5,329.1	27.3	19.8	-166.88	-305.0	251.0	871.2	831.3	39.86	21.855		
5,500.0	5,335.9	5,363.0	5,335.9	27.4	19.8	-166.92	-305.0	251.0	873.2	833.3	39.91	21.878		
5,600.0	5,432.1	5,459.2	5,432.1	28.0	20.1	-167.40	-305.0	251.0	899.9	859.3	40.60	22.163		
5,700.0	5,529.0	5,556.1	5,529.0	28.5	20.4	-167.82	-305.0	251.0	924.1	882.8	41.29	22.378		
5,800.0	5,626.5	5,653.6	5,626.5	29.0	20.7	-168.17	-305.0	251.0	945.9	903.9	41.99	22.528		
5,900.0	5,724.5	5,751.7	5,724.5	29.5	21.0	-168.47	-305.0	251.0	965.2	922.5	42.68	22.614		
6,000.0	5,823.1	5,850.2	5,823.1	29.9	21.4	-168.72	-305.0	251.0	981.9	938.6	43.37	22.641		
6,100.0	5,922.0	5,949.1	5,922.0	30.3	21.7	-168.92	-305.0	251.0	996.2	952.1	44.06	22.612		
6,200.0	6,021.3	6,048.4	6,021.3	30.7	22.0	-169.09	-305.0	251.0	1,007.9	963.1	44.74	22.528		
6,300.0	6,120.9	6,148.0	6,120.9	31.1	22.3	-169.21	-305.0	251.0	1,017.0	971.6	45.42	22.392		
6,400.0	6,220.6	6,247.7	6,220.6	31.4	22.7	-169.30	-305.0	251.0	1,023.6	977.5	46.09	22.207		
6,500.0	6,320.5	6,347.6	6,320.5	31.7	23.0	-169.35	-305.0	251.0	1,027.7	980.9	46.76	21.975		
6,606.5	6,427.0	6,454.1	6,427.0	32.0	23.4	-0.11	-305.0	251.0	1,029.1	981.7	47.46	21.686		
6,650.0	6,470.5	6,489.0	6,461.8	32.1	23.5	100.41	-304.9	250.0	1,029.6	981.9	47.65	21.609		
6,700.0	6,520.1	6,529.0	6,501.7	32.2	23.6	100.28	-304.4	246.2	1,031.3	983.5	47.86	21.550		
6,750.0	6,569.0	6,569.0	6,541.2	32.3	23.7	100.08	-303.5	239.7	1,034.3	986.3	48.06	21.523		
6,800.0	6,616.9	6,609.1	6,580.1	32.5	23.8	99.78	-302.2	230.4	1,038.6	990.3	48.25	21.526		
6,850.0	6,663.3	6,649.1	6,618.3	32.6	23.9	99.40	-300.6	218.5	1,044.0	995.6	48.43	21.556		
6,900.0	6,707.9	6,689.2	6,655.5	32.7	24.0	98.94	-298.5	203.9	1,050.6	1,002.0	48.61	21.612		
6,950.0	6,750.3	6,729.3	6,691.7	32.8	24.1	98.41	-296.2	186.8	1,058.4	1,009.6	48.80	21.690		
7,000.0	6,790.3	6,769.4	6,726.6	32.9	24.2	97.79	-293.5	167.2	1,067.2	1,018.2	48.99	21.785		
7,050.0	6,827.5	6,809.6	6,760.1	33.0	24.2	97.11	-290.5	145.3	1,077.0	1,027.8	49.19	21.892		
7,100.0	6,861.7	6,849.8	6,792.0	33.1	24.3	96.36	-287.1	120.9	1,087.8	1,038.3	49.42	22.009		
7,150.0	6,892.6	6,890.3	6,822.2	33.2	24.4	95.56	-283.4	94.4	1,099.4	1,049.7	49.68	22.127		
7,200.0	6,919.9	6,930.8	6,850.6	33.3	24.4	94.70	-279.5	65.6	1,111.8	1,061.8	49.98	22.243		
7,250.0	6,943.5	6,971.6	6,877.0	33.4	24.5	93.80	-275.2	34.8	1,125.0	1,074.6	50.33	22.352		
7,300.0	6,963.2	7,012.7	6,901.2	33.5	24.6	92.86	-270.7	2.0	1,138.7	1,088.0	50.73	22.449		
7,350.0	6,978.7	7,054.2	6,923.2	33.6	24.7	91.89	-265.9	-32.8	1,153.1	1,101.9	51.18	22.530		
7,400.0	6,990.1	7,096.1	6,942.8	33.8	24.9	90.90	-260.9	-69.5	1,167.8	1,116.1	51.69	22.591		
7,450.0	6,997.2	7,138.5	6,959.9	33.9	25.1	89.91	-255.5	-108.0	1,182.9	1,130.7	52.27	22.629		
7,500.0	6,999.9	7,181.5	6,974.2	34.1	25.3	88.92	-250.0	-148.2	1,198.3	1,145.4	52.92	22.645		
7,506.5	7,000.0	7,187.2	6,975.8	34.1	25.3	88.79	-249.3	-153.5	1,200.3	1,147.3	53.00	22.646		
7,600.0	7,000.0	7,272.1	6,994.1	34.6	26.0	89.71	-238.0	-235.6	1,228.1	1,173.7	54.40	22.576		
7,700.0	7,000.0	7,378.5	7,000.0	35.2	26.9	90.00	-223.6	-340.8	1,254.8	1,198.5	56.29	22.294		
7,800.0	7,000.0	7,554.1	7,000.0	35.9	28.9	90.00	-206.4	-515.5	1,274.4	1,214.7	59.68	21.353		
7,900.0	7,000.0	7,733.9	7,000.0	36.8	31.4	90.00	-200.0	-695.2	1,284.4	1,220.5	63.91	20.097		
7,914.7	7,000.0	7,760.6	7,000.0	37.0	31.8	90.00	-200.0	-721.9	1,285.0	1,220.5	64.59	19.895		
8,000.0	7,000.0	7,880.9	7,000.0	37.9	33.7	90.00	-202.8	-842.1	1,286.4	1,218.5	67.98	18.923		
8,100.0	7,000.0	7,980.9	7,000.0	39.2	35.4	90.00	-206.0	-942.0	1,287.4	1,216.1	71.31	18.053		
8,200.0	7,000.0	8,080.9	7,000.0	40.6	37.2	90.00	-209.2	-1,042.0	1,288.3	1,213.5	74.81	17.222		
8,300.0	7,000.0	8,180.9	7,000.0	42.1	39.1	90.00	-212.4	-1,141.9	1,289.3	1,210.8	78.46	16.433		
8,400.0	7,000.0	8,280.9	7,000.0	43.8	41.0	90.00	-215.6	-1,241.8	1,290.2	1,208.0	82.23	15.691		
8,500.0	7,000.0	8,380.9	7,000.0	45.5	43.0	90.00	-218.8	-1,341.8	1,291.2	1,205.1	86.12	14.993		
8,600.0	7,000.0	8,480.9	7,000.0	47.3	45.0	90.00	-222.0	-1,441.7	1,292.1	1,202.0	90.10	14.341		
8,700.0	7,000.0	8,580.8	7,000.0	49.2	47.1	90.00	-225.3	-1,541.7	1,293.1	1,198.9	94.17	13.731		
8,800.0	7,000.0	8,680.8	7,000.0	51.2	49.2	90.00	-228.5	-1,641.6	1,294.0	1,195.7	98.32	13.162		
8,900.0	7,000.0	8,780.8	7,000.0	53.2	51.3	90.00	-231.7	-1,741.6	1,295.0	1,192.5	102.53	12.631		
9,000.0	7,000.0	8,880.8	7,000.0	55.2	53.4	90.00	-234.9	-1,841.5	1,295.9	1,189.1	106.80	12.135		

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 #114H
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 #114H	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		
9,100.0	7,000.0	8,980.8	7,000.0	57.2	55.6	90.00	-238.1	-1,941.4	1,296.9	1,185.8	111.12	11.672		
9,200.0	7,000.0	9,080.8	7,000.0	59.3	57.8	90.00	-241.3	-2,041.4	1,297.8	1,182.4	115.48	11.239		
9,300.0	7,000.0	9,180.8	7,000.0	61.5	60.1	90.00	-244.5	-2,141.3	1,298.8	1,178.9	119.89	10.834		
9,400.0	7,000.0	9,280.8	7,000.0	63.6	62.3	90.00	-247.7	-2,241.3	1,299.7	1,175.4	124.33	10.454		
9,500.0	7,000.0	9,380.8	7,000.0	65.8	64.5	90.00	-250.9	-2,341.2	1,300.7	1,171.9	128.80	10.098		
9,600.0	7,000.0	9,480.8	7,000.0	68.0	66.8	90.00	-254.2	-2,441.2	1,301.6	1,168.3	133.30	9.764		
9,700.0	7,000.0	9,580.8	7,000.0	70.2	69.1	90.00	-257.4	-2,541.1	1,302.6	1,164.8	137.83	9.450		
9,800.0	7,000.0	9,680.8	7,000.0	72.4	71.4	90.00	-260.6	-2,641.1	1,303.5	1,161.2	142.39	9.155		
9,900.0	7,000.0	9,780.8	7,000.0	74.6	73.7	90.00	-263.8	-2,741.0	1,304.5	1,157.5	146.96	8.876		
10,000.0	7,000.0	9,880.8	7,000.0	76.9	76.0	90.00	-267.0	-2,840.9	1,305.4	1,153.9	151.56	8.614		
10,100.0	7,000.0	9,980.8	7,000.0	79.1	78.3	90.00	-270.2	-2,940.9	1,306.4	1,150.2	156.17	8.365		
10,200.0	7,000.0	10,080.8	7,000.0	81.4	80.6	90.00	-273.4	-3,040.8	1,307.3	1,146.6	160.80	8.130		
10,300.0	7,000.0	10,180.8	7,000.0	83.7	83.0	90.00	-276.6	-3,140.8	1,308.3	1,142.9	165.44	7.908		
10,400.0	7,000.0	10,280.8	7,000.0	86.0	85.3	90.00	-279.8	-3,240.7	1,309.2	1,139.2	170.10	7.697		
10,500.0	7,000.0	10,380.8	7,000.0	88.3	87.6	90.00	-283.1	-3,340.7	1,310.2	1,135.4	174.77	7.497		
10,600.0	7,000.0	10,480.8	7,000.0	90.6	90.0	90.00	-286.3	-3,440.6	1,311.2	1,131.7	179.45	7.306		
10,700.0	7,000.0	10,580.8	7,000.0	92.9	92.3	90.00	-289.5	-3,540.6	1,312.1	1,128.0	184.14	7.125		
10,800.0	7,000.0	10,680.8	7,000.0	95.2	94.7	90.00	-292.7	-3,640.5	1,313.1	1,124.2	188.85	6.953		
10,900.0	7,000.0	10,780.7	7,000.0	97.5	97.1	90.00	-295.9	-3,740.4	1,314.0	1,120.4	193.56	6.789		
11,000.0	7,000.0	10,880.7	7,000.0	99.9	99.4	90.00	-299.1	-3,840.4	1,315.0	1,116.7	198.28	6.632		
11,100.0	7,000.0	10,980.7	7,000.0	102.2	101.8	90.00	-302.3	-3,940.3	1,315.9	1,112.9	203.01	6.482		
11,200.0	7,000.0	11,080.7	7,000.0	104.5	104.2	90.00	-305.5	-4,040.3	1,316.9	1,109.1	207.74	6.339		
11,300.0	7,000.0	11,180.7	7,000.0	106.9	106.6	90.00	-308.7	-4,140.2	1,317.8	1,105.3	212.48	6.202		
11,400.0	7,000.0	11,280.7	7,000.0	109.2	108.9	90.00	-311.9	-4,240.2	1,318.8	1,101.5	217.23	6.071		
11,500.0	7,000.0	11,380.7	7,000.0	111.6	111.3	90.00	-315.2	-4,340.1	1,319.7	1,097.7	221.99	5.945		
11,600.0	7,000.0	11,480.7	7,000.0	114.0	113.7	90.00	-318.4	-4,440.0	1,320.7	1,093.9	226.75	5.824		
11,700.0	7,000.0	11,580.7	7,000.0	116.3	116.1	90.00	-321.6	-4,540.0	1,321.6	1,090.1	231.52	5.708		
11,800.0	7,000.0	11,680.7	7,000.0	118.7	118.5	90.00	-324.8	-4,639.9	1,322.6	1,086.3	236.29	5.597		
11,900.0	7,000.0	11,780.7	7,000.0	121.0	120.9	90.00	-328.0	-4,739.9	1,323.5	1,082.4	241.06	5.490		
12,000.0	7,000.0	11,880.7	7,000.0	123.4	123.3	90.00	-331.2	-4,839.8	1,324.5	1,078.6	245.84	5.387		
12,100.0	7,000.0	11,980.7	7,000.0	125.8	125.7	90.00	-334.4	-4,939.8	1,325.4	1,074.8	250.63	5.288		
12,200.0	7,000.0	12,080.7	7,000.0	128.2	128.1	90.00	-337.6	-5,039.7	1,326.4	1,070.9	255.42	5.193		
12,300.0	7,000.0	12,180.7	7,000.0	130.6	130.5	90.00	-340.8	-5,139.7	1,327.3	1,067.1	260.21	5.101		
12,400.0	7,000.0	12,280.7	7,000.0	132.9	132.9	90.00	-344.1	-5,239.6	1,328.3	1,063.3	265.01	5.012		
12,500.0	7,000.0	12,380.7	7,000.0	135.3	135.3	90.00	-347.3	-5,339.5	1,329.2	1,059.4	269.80	4.927		
12,600.0	7,000.0	12,480.7	7,000.0	137.7	137.7	90.00	-350.5	-5,439.5	1,330.2	1,055.6	274.61	4.844		
12,700.0	7,000.0	12,580.7	7,000.0	140.1	140.1	90.00	-353.7	-5,539.4	1,331.1	1,051.7	279.41	4.764		
12,800.0	7,000.0	12,680.7	7,000.0	142.5	142.5	90.00	-356.9	-5,639.4	1,332.1	1,047.8	284.22	4.687		
12,900.0	7,000.0	12,780.7	7,000.0	144.9	144.9	90.00	-360.1	-5,739.3	1,333.0	1,044.0	289.03	4.612		
13,000.0	7,000.0	12,880.7	7,000.0	147.3	147.3	90.00	-363.3	-5,839.3	1,334.0	1,040.1	293.85	4.540		
13,100.0	7,000.0	12,980.6	7,000.0	149.7	149.7	90.00	-366.5	-5,939.2	1,334.9	1,036.3	298.66	4.470		
13,200.0	7,000.0	13,080.6	7,000.0	152.1	152.1	90.00	-369.7	-6,039.1	1,335.9	1,032.4	303.48	4.402		
13,300.0	7,000.0	13,180.6	7,000.0	154.5	154.5	90.00	-373.0	-6,139.1	1,336.8	1,028.5	308.30	4.336		
13,400.0	7,000.0	13,280.6	7,000.0	156.9	157.0	90.00	-376.2	-6,239.0	1,337.8	1,024.6	313.12	4.272		
13,500.0	7,000.0	13,380.6	7,000.0	159.3	159.4	90.00	-379.4	-6,339.0	1,338.7	1,020.8	317.95	4.210		
13,600.0	7,000.0	13,480.6	7,000.0	161.7	161.8	90.00	-382.6	-6,438.9	1,339.7	1,016.9	322.77	4.150		
13,700.0	7,000.0	13,580.6	7,000.0	164.1	164.2	90.00	-385.8	-6,538.9	1,340.6	1,013.0	327.60	4.092		
13,800.0	7,000.0	13,680.6	7,000.0	166.5	166.6	90.00	-389.0	-6,638.8	1,341.6	1,009.1	332.43	4.036		
13,900.0	7,000.0	13,780.6	7,000.0	168.9	169.0	90.00	-392.2	-6,738.8	1,342.5	1,005.3	337.26	3.981		
14,000.0	7,000.0	13,880.6	7,000.0	171.3	171.5	90.00	-395.4	-6,838.7	1,343.5	1,001.4	342.10	3.927		
14,100.0	7,000.0	13,980.6	7,000.0	173.7	173.9	90.00	-398.6	-6,938.6	1,344.4	997.5	346.93	3.875		
14,200.0	7,000.0	14,080.6	7,000.0	176.1	176.3	90.00	-401.9	-7,038.6	1,345.4	993.6	351.77	3.825		

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 #114H
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 #114H	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		
14,300.0	7,000.0	14,180.6	7,000.0	178.5	178.7	90.00	-405.1	-7,138.5	1,346.3	989.7	356.61	3.775		
14,400.0	7,000.0	14,280.6	7,000.0	180.9	181.2	90.00	-408.3	-7,238.5	1,347.3	985.8	361.45	3.727		
14,500.0	7,000.0	14,380.6	7,000.0	183.3	183.6	90.00	-411.5	-7,338.4	1,348.2	981.9	366.29	3.681		
14,600.0	7,000.0	14,480.6	7,000.0	185.7	186.0	90.00	-414.7	-7,438.4	1,349.2	978.0	371.13	3.635		
14,700.0	7,000.0	14,580.6	7,000.0	188.2	188.4	90.00	-417.9	-7,538.3	1,350.1	974.1	375.97	3.591		
14,800.0	7,000.0	14,680.6	7,000.0	190.6	190.8	90.00	-421.1	-7,638.3	1,351.1	970.3	380.82	3.548		
14,900.0	7,000.0	14,780.6	7,000.0	193.0	193.3	90.00	-424.3	-7,738.2	1,352.0	966.4	385.66	3.506		
15,000.0	7,000.0	14,880.6	7,000.0	195.4	195.7	90.00	-427.5	-7,838.1	1,353.0	962.5	390.51	3.465		
15,100.0	7,000.0	14,980.6	7,000.0	197.8	198.1	90.00	-430.8	-7,938.1	1,353.9	958.6	395.36	3.425		
15,200.0	7,000.0	15,080.6	7,000.0	200.2	200.6	90.00	-434.0	-8,038.0	1,354.9	954.7	400.21	3.385		
15,300.0	7,000.0	15,180.5	7,000.0	202.6	203.0	90.00	-437.2	-8,138.0	1,355.8	950.8	405.06	3.347		
15,400.0	7,000.0	15,280.5	7,000.0	205.1	205.4	90.00	-440.4	-8,237.9	1,356.8	946.9	409.91	3.310		
15,500.0	7,000.0	15,380.5	7,000.0	207.5	207.8	90.00	-443.6	-8,337.9	1,357.7	943.0	414.76	3.274		
15,600.0	7,000.0	15,480.5	7,000.0	209.9	210.3	90.00	-446.8	-8,437.8	1,358.7	939.1	419.61	3.238		
15,700.0	7,000.0	15,580.5	7,000.0	212.3	212.7	90.00	-450.0	-8,537.7	1,359.6	935.2	424.46	3.203		
15,800.0	7,000.0	15,680.5	7,000.0	214.7	215.1	90.00	-453.2	-8,637.7	1,360.6	931.3	429.32	3.169		
15,900.0	7,000.0	15,780.5	7,000.0	217.2	217.6	90.00	-456.4	-8,737.6	1,361.5	927.4	434.17	3.136		
16,000.0	7,000.0	15,880.5	7,000.0	219.6	220.0	90.00	-459.7	-8,837.6	1,362.5	923.4	439.03	3.103		
16,100.0	7,000.0	15,980.5	7,000.0	222.0	222.4	90.00	-462.9	-8,937.5	1,363.4	919.5	443.88	3.072		
16,200.0	7,000.0	16,080.5	7,000.0	224.4	224.8	90.00	-466.1	-9,037.5	1,364.4	915.6	448.74	3.040		
16,300.0	7,000.0	16,180.5	7,000.0	226.9	227.3	90.00	-469.3	-9,137.4	1,365.3	911.7	453.60	3.010		
16,400.0	7,000.0	16,280.5	7,000.0	229.3	229.7	90.00	-472.5	-9,237.4	1,366.3	907.8	458.46	2.980		
16,500.0	7,000.0	16,380.5	7,000.0	231.7	232.1	90.00	-475.7	-9,337.3	1,367.2	903.9	463.32	2.951		
16,600.0	7,000.0	16,480.5	7,000.0	234.1	234.6	90.00	-478.9	-9,437.2	1,368.2	900.0	468.18	2.922		
16,700.0	7,000.0	16,580.5	7,000.0	236.5	237.0	90.00	-482.1	-9,537.2	1,369.1	896.1	473.04	2.894		
16,800.0	7,000.0	16,680.5	7,000.0	239.0	239.4	90.00	-485.3	-9,637.1	1,370.1	892.2	477.90	2.867		
16,900.0	7,000.0	16,780.5	7,000.0	241.4	241.9	90.00	-488.6	-9,737.1	1,371.0	888.3	482.76	2.840		
17,000.0	7,000.0	16,880.5	7,000.0	243.8	244.3	90.00	-491.8	-9,837.0	1,372.0	884.4	487.62	2.814		
17,100.0	7,000.0	16,980.5	7,000.0	246.3	246.7	90.00	-495.0	-9,937.0	1,372.9	880.4	492.48	2.788		
17,200.0	7,000.0	17,080.5	7,000.0	248.7	249.2	90.00	-498.2	-10,036.9	1,373.9	876.5	497.35	2.762		
17,300.0	7,000.0	17,180.5	7,000.0	251.1	251.6	90.00	-501.4	-10,136.8	1,374.8	872.6	502.21	2.738		
17,400.0	7,000.0	17,280.5	7,000.0	253.5	254.0	90.00	-504.6	-10,236.8	1,375.8	868.7	507.07	2.713		
17,456.6	7,000.0	17,292.9	7,000.0	254.9	254.3	90.00	-505.0	-10,249.2	1,377.0	869.0	508.01	2.711 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 #114H
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 #114H	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, ES		
600.0	600.0	600.0	600.0	1.9	1.9	146.39	30.0	-30.0	43.2	39.3	3.82	11.284		
700.0	700.0	700.0	700.0	2.2	2.3	148.21	30.0	-30.0	45.4	40.8	4.52	10.043		
800.0	799.9	800.1	799.9	2.6	2.6	150.87	30.0	-30.0	49.1	43.9	5.22	9.417		
900.0	899.7	900.3	899.7	2.9	3.0	153.97	30.0	-30.0	54.5	48.6	5.92	9.209		
1,000.0	999.4	999.4	999.4	3.3	3.4	157.14	30.0	-30.0	61.7	55.1	6.63	9.308		
1,100.0	1,098.9	1,099.6	1,099.6	3.7	3.7	160.74	30.0	-29.1	70.1	62.8	7.33	9.570		
1,200.0	1,198.3	1,199.6	1,199.6	4.0	4.0	165.00	29.8	-26.5	79.7	71.6	8.03	9.922		
1,300.0	1,297.4	1,299.5	1,299.3	4.4	4.4	169.56	29.6	-22.2	90.5	81.8	8.73	10.364		
1,400.0	1,396.3	1,399.0	1,398.7	4.8	4.7	174.15	29.3	-16.1	102.9	93.5	9.44	10.902		
1,500.0	1,494.9	1,498.2	1,497.6	5.2	5.1	178.59	28.9	-8.4	117.1	106.9	10.15	11.535		
1,600.0	1,593.3	1,597.0	1,595.9	5.6	5.5	-177.24	28.5	1.0	133.2	122.3	10.87	12.253		
1,700.0	1,691.2	1,695.2	1,693.5	6.1	5.8	-173.40	27.9	12.1	151.3	139.7	11.60	13.046		
1,800.0	1,788.9	1,793.0	1,790.4	6.5	6.2	-169.91	27.3	24.7	171.6	159.2	12.34	13.902		
1,900.0	1,886.1	1,910.0	1,886.6	7.0	6.6	-166.98	26.6	38.2	193.9	180.7	13.17	14.726		
2,000.0	1,982.9	1,986.7	1,982.3	7.5	6.9	-164.74	25.9	51.6	218.3	204.4	13.85	15.760		
2,100.0	2,079.3	2,083.0	2,077.7	8.0	7.3	-163.05	25.3	65.0	244.5	229.9	14.62	16.727		
2,170.4	2,146.8	2,150.6	2,144.6	8.4	7.6	-162.12	24.8	74.4	264.0	248.8	15.16	17.414		
2,200.0	2,175.2	2,178.9	2,172.6	8.5	7.7	-161.80	24.6	78.4	272.3	257.0	15.39	17.699		
2,300.0	2,271.0	2,274.7	2,267.5	9.1	8.1	-160.86	23.9	91.7	300.7	284.5	16.16	18.605		
2,400.0	2,366.7	2,370.5	2,362.3	9.6	8.4	-160.08	23.3	105.0	329.1	312.2	16.94	19.424		
2,500.0	2,462.5	2,466.3	2,457.2	10.2	8.8	-159.43	22.6	118.3	357.6	339.9	17.73	20.167		
2,600.0	2,558.3	2,562.1	2,552.1	10.7	9.2	-158.87	21.9	131.6	386.1	367.6	18.52	20.843		
2,700.0	2,654.1	2,657.9	2,646.9	11.3	9.6	-158.39	21.3	144.9	414.6	395.3	19.32	21.461		
2,800.0	2,749.9	2,753.7	2,741.8	11.8	10.0	-157.97	20.6	158.2	443.2	423.1	20.12	22.027		
2,900.0	2,845.6	2,849.4	2,836.6	12.4	10.4	-157.60	19.9	171.6	471.8	450.8	20.92	22.547		
3,000.0	2,941.4	2,945.2	2,931.5	12.9	10.8	-157.27	19.3	184.9	500.4	478.6	21.73	23.026		
3,100.0	3,037.2	3,041.0	3,026.3	13.5	11.2	-156.98	18.6	198.2	529.0	506.4	22.54	23.469		
3,200.0	3,133.0	3,136.8	3,121.2	14.1	11.6	-156.72	17.9	211.5	557.6	534.2	23.35	23.880		
3,300.0	3,228.8	3,234.7	3,218.3	14.6	12.0	-156.58	17.3	224.1	586.0	561.9	24.17	24.247		
3,400.0	3,324.6	3,333.0	3,316.1	15.2	12.3	-156.70	16.8	234.3	614.1	589.2	24.98	24.590		
3,500.0	3,420.3	3,431.5	3,414.2	15.8	12.7	-157.03	16.4	241.9	641.9	616.1	25.76	24.917		
3,600.0	3,516.1	3,529.9	3,512.5	16.4	13.1	-157.56	16.1	247.1	669.3	642.8	26.52	25.234		
3,700.0	3,611.9	3,628.1	3,610.7	16.9	13.4	-158.27	16.0	249.7	696.4	669.1	27.26	25.546		
3,800.0	3,707.7	3,725.1	3,707.7	17.5	13.7	-159.09	16.0	250.0	723.4	695.4	27.97	25.863		
3,900.0	3,803.5	3,820.9	3,803.5	18.1	14.1	-159.87	16.0	250.0	750.4	721.8	28.67	26.179		
4,000.0	3,899.2	3,916.7	3,899.2	18.7	14.4	-160.59	16.0	250.0	777.6	748.2	29.36	26.482		
4,100.0	3,995.0	4,012.4	3,995.0	19.2	14.7	-161.27	16.0	250.0	804.9	774.8	30.06	26.773		
4,200.0	4,090.8	4,108.2	4,090.8	19.8	15.0	-161.90	16.0	250.0	832.3	801.5	30.76	27.054		
4,300.0	4,186.6	4,204.0	4,186.6	20.4	15.3	-162.49	16.0	250.0	859.8	828.3	31.47	27.323		
4,400.0	4,282.4	4,300.2	4,282.4	21.0	15.7	-163.05	16.0	250.0	887.3	855.1	32.17	27.580		
4,500.0	4,378.1	4,404.4	4,378.1	21.6	16.0	-163.57	16.0	250.0	914.9	882.0	32.91	27.805		
4,600.0	4,473.9	4,508.7	4,473.9	22.1	16.4	-164.07	16.0	250.0	942.6	909.0	33.64	28.020		
4,700.0	4,569.7	4,587.1	4,569.7	22.7	16.6	-164.53	16.0	250.0	970.4	936.1	34.29	28.299		
4,800.0	4,665.5	4,682.9	4,665.5	23.3	16.9	-164.97	16.0	250.0	998.2	963.2	35.00	28.521		
4,900.0	4,761.3	4,778.7	4,761.3	23.9	17.3	-165.38	16.0	250.0	1,026.1	990.3	35.71	28.734		
5,000.0	4,857.0	4,874.5	4,857.0	24.5	17.6	-165.78	16.0	250.0	1,054.0	1,017.5	36.42	28.939		

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 #114H
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 #114H	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	4,952.8	4,970.2	4,952.8	25.1	17.9	-166.15	16.0	250.0	1,081.9	1,044.8	37.13	29.136		
5,200.0	5,048.6	5,066.0	5,048.6	25.6	18.3	-166.51	16.0	250.0	1,109.9	1,072.1	37.85	29.327		
5,300.0	5,144.4	5,161.8	5,144.4	26.2	18.6	-166.84	16.0	250.0	1,137.9	1,099.4	38.56	29.510		
5,400.0	5,240.2	5,257.6	5,240.2	26.8	18.9	-167.16	16.0	250.0	1,166.0	1,126.7	39.28	29.687		
5,492.9	5,329.1	5,346.5	5,329.1	27.3	19.2	-167.45	16.0	250.0	1,192.1	1,152.2	39.94	29.846		
5,500.0	5,335.9	5,353.4	5,335.9	27.4	19.2	-167.48	16.0	250.0	1,194.1	1,154.1	39.99	29.858		
5,600.0	5,432.1	5,449.6	5,432.1	28.0	19.6	-167.84	16.0	250.0	1,220.8	1,180.1	40.71	29.990		
5,700.0	5,529.0	5,546.4	5,529.0	28.5	19.9	-168.16	16.0	250.0	1,245.1	1,203.7	41.42	30.059		
5,800.0	5,626.5	5,643.9	5,626.5	29.0	20.2	-168.43	16.0	250.0	1,266.9	1,224.7	42.13	30.068		
5,900.0	5,724.5	5,742.0	5,724.5	29.5	20.6	-168.67	16.0	250.0	1,286.2	1,243.3	42.84	30.020		
6,000.0	5,823.1	5,840.5	5,823.1	29.9	20.9	-168.86	16.0	250.0	1,303.0	1,259.4	43.55	29.919		
6,100.0	5,922.0	5,939.4	5,922.0	30.3	21.3	-169.03	16.0	250.0	1,317.2	1,273.0	44.25	29.766		
6,200.0	6,021.3	6,038.7	6,021.3	30.7	21.6	-169.16	16.0	250.0	1,328.9	1,284.0	44.95	29.565		
6,300.0	6,120.9	6,138.3	6,120.9	31.1	22.0	-169.26	16.0	250.0	1,338.1	1,292.4	45.64	29.317		
6,400.0	6,220.6	6,238.1	6,220.6	31.4	22.3	-169.33	16.0	250.0	1,344.7	1,298.3	46.33	29.025		
6,500.0	6,320.5	6,338.0	6,320.5	31.7	22.7	-169.37	16.0	250.0	1,348.7	1,301.7	47.01	28.691		
6,606.5	6,427.0	6,444.4	6,427.0	32.0	23.0	-0.13	16.0	250.0	1,350.2	1,302.4	47.71	28.300		
6,650.0	6,470.5	6,487.9	6,470.5	32.1	23.2	100.46	16.0	250.0	1,350.5	1,302.5	47.99	28.140		
6,700.0	6,520.1	6,537.5	6,520.1	32.2	23.4	100.60	16.0	250.0	1,351.6	1,303.2	48.32	27.972		
6,750.0	6,569.0	6,586.5	6,569.0	32.3	23.5	100.83	16.0	250.0	1,353.5	1,304.9	48.64	27.825		
6,800.0	6,616.9	6,634.3	6,616.9	32.5	23.7	101.12	16.0	250.0	1,356.4	1,307.4	48.97	27.700		
6,850.0	6,663.3	6,680.7	6,663.3	32.6	23.9	101.45	16.0	250.0	1,360.3	1,311.0	49.29	27.601		
6,900.0	6,707.9	6,725.3	6,707.9	32.7	24.0	101.78	16.0	250.0	1,365.4	1,315.8	49.60	27.528		
6,950.0	6,750.3	6,767.7	6,750.3	32.8	24.2	102.08	16.0	250.0	1,371.8	1,321.9	49.91	27.486		
7,000.0	6,790.3	6,807.7	6,790.3	32.9	24.3	102.29	16.0	250.0	1,379.6	1,329.4	50.21	27.475		
7,050.0	6,827.5	6,845.0	6,827.5	33.0	24.4	102.38	16.0	250.0	1,389.0	1,338.5	50.51	27.498		
7,100.0	6,861.7	6,879.2	6,861.7	33.1	24.5	102.29	16.0	250.0	1,400.1	1,349.3	50.81	27.557		
7,150.0	6,892.6	6,910.0	6,892.6	33.2	24.7	101.98	16.0	250.0	1,413.1	1,362.0	51.10	27.652		
7,200.0	6,919.9	6,937.4	6,919.9	33.3	24.7	101.40	16.0	250.0	1,427.9	1,376.6	51.39	27.784		
7,250.0	6,943.5	6,960.9	6,943.5	33.4	24.8	100.51	16.0	250.0	1,444.7	1,393.1	51.68	27.956		
7,300.0	6,963.2	6,980.6	6,963.2	33.5	24.9	99.28	16.0	250.0	1,463.5	1,411.5	51.96	28.166		
7,350.0	6,978.7	7,003.8	6,978.7	33.6	25.0	97.67	16.0	250.0	1,484.0	1,431.8	52.25	28.400		
7,400.0	6,990.1	7,007.5	6,990.1	33.8	25.0	95.65	16.0	250.0	1,506.4	1,453.9	52.48	28.703		
7,450.0	6,997.2	7,014.6	6,997.2	33.9	25.0	93.23	16.0	250.0	1,530.4	1,477.7	52.72	29.029		
7,500.0	6,999.9	7,017.4	6,999.9	34.1	25.0	90.40	16.0	250.0	1,555.8	1,502.9	52.94	29.391		
7,506.5	7,000.0	7,017.4	7,000.0	34.1	25.0	90.00	16.0	250.0	1,559.2	1,506.2	52.96	29.440		
7,600.0	7,000.0	7,017.4	7,000.0	34.6	25.0	90.00	16.0	250.0	1,608.9	1,555.6	53.35	30.158		
7,700.0	7,000.0	7,017.4	7,000.0	35.2	25.0	90.00	16.0	250.0	1,663.5	1,609.7	53.79	30.923		
7,800.0	7,000.0	7,017.4	7,000.0	35.9	25.0	90.00	16.0	250.0	1,719.4	1,665.1	54.26	31.686		
7,900.0	7,000.0	7,017.4	7,000.0	36.8	25.0	90.00	16.0	250.0	1,776.3	1,721.5	54.74	32.447		
7,914.7	7,000.0	7,017.4	7,000.0	37.0	25.0	90.00	16.0	250.0	1,784.8	1,730.0	54.81	32.560		
8,000.0	7,000.0	8,605.6	7,790.0	37.9	35.3	115.64	159.8	-782.7	1,827.9	1,762.4	65.57	27.878		
8,100.0	7,000.0	8,807.8	7,790.0	39.2	38.5	115.58	156.0	-969.2	1,829.5	1,759.2	70.22	26.054		
8,200.0	7,000.0	8,907.8	7,790.0	40.6	40.2	115.58	151.8	-1,069.2	1,829.5	1,756.1	73.33	24.948		
8,300.0	7,000.0	9,007.8	7,790.0	42.1	41.9	115.58	147.7	-1,169.1	1,829.5	1,752.9	76.58	23.890		
8,400.0	7,000.0	9,092.2	7,790.0	43.8	43.5	115.58	143.5	-1,269.0	1,829.5	1,749.8	79.68	22.961		
8,500.0	7,000.0	9,207.8	7,790.0	45.5	45.7	115.58	139.3	-1,368.9	1,829.5	1,746.1	83.41	21.933		
8,600.0	7,000.0	9,307.8	7,790.0	47.3	47.6	115.58	135.2	-1,468.8	1,829.5	1,742.5	86.97	21.036		
8,700.0	7,000.0	9,407.8	7,790.0	49.2	49.6	115.58	131.0	-1,568.7	1,829.5	1,738.9	90.61	20.192		
8,800.0	7,000.0	9,507.8	7,790.0	51.2	51.7	115.58	126.9	-1,668.6	1,829.5	1,735.2	94.31	19.398		
8,900.0	7,000.0	9,607.8	7,790.0	53.2	53.7	115.58	122.7	-1,768.5	1,829.5	1,731.4	98.08	18.653		
9,000.0	7,000.0	9,707.8	7,790.0	55.2	55.8	115.58	118.6	-1,868.5	1,829.5	1,727.6	101.91	17.953		

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 #114H
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 #114H	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		
9,100.0	7,000.0	9,807.8	7,790.0	57.2	58.0	115.58	114.4	-1,968.4	1,829.5	1,723.7	105.78	17.295		
9,200.0	7,000.0	9,907.8	7,790.0	59.3	60.1	115.58	110.3	-2,068.3	1,829.5	1,719.8	109.70	16.678		
9,300.0	7,000.0	10,007.8	7,790.0	61.5	62.3	115.58	106.1	-2,168.2	1,829.5	1,715.9	113.66	16.097		
9,400.0	7,000.0	10,107.8	7,790.0	63.6	64.5	115.58	101.9	-2,268.1	1,829.5	1,711.9	117.65	15.551		
9,500.0	7,000.0	10,207.8	7,790.0	65.8	66.7	115.58	97.8	-2,368.0	1,829.5	1,707.9	121.68	15.036		
9,600.0	7,000.0	10,307.8	7,790.0	68.0	68.9	115.58	93.6	-2,467.9	1,829.5	1,703.8	125.73	14.551		
9,700.0	7,000.0	10,407.8	7,790.0	70.2	71.1	115.58	89.5	-2,567.9	1,829.5	1,699.7	129.81	14.094		
9,800.0	7,000.0	10,507.8	7,790.0	72.4	73.4	115.58	85.3	-2,667.8	1,829.5	1,695.6	133.92	13.662		
9,900.0	7,000.0	10,607.8	7,790.0	74.6	75.6	115.58	81.2	-2,767.7	1,829.6	1,691.5	138.04	13.253		
10,000.0	7,000.0	10,707.8	7,790.0	76.9	77.9	115.58	77.0	-2,867.6	1,829.6	1,687.4	142.19	12.867		
10,100.0	7,000.0	10,807.8	7,790.0	79.1	80.2	115.58	72.9	-2,967.5	1,829.6	1,683.2	146.36	12.501		
10,200.0	7,000.0	10,907.8	7,790.0	81.4	82.5	115.58	68.7	-3,067.4	1,829.6	1,679.0	150.54	12.154		
10,300.0	7,000.0	11,007.8	7,790.0	83.7	84.8	115.58	64.5	-3,167.3	1,829.6	1,674.8	154.73	11.824		
10,400.0	7,000.0	11,092.2	7,790.0	86.0	86.8	115.58	60.4	-3,267.3	1,829.6	1,671.0	158.61	11.535		
10,500.0	7,000.0	11,207.8	7,790.0	88.3	89.4	115.58	56.2	-3,367.2	1,829.6	1,666.4	163.17	11.213		
10,600.0	7,000.0	11,307.8	7,790.0	90.6	91.8	115.58	52.1	-3,467.1	1,829.6	1,662.2	167.41	10.929		
10,700.0	7,000.0	11,407.8	7,790.0	92.9	94.1	115.58	47.9	-3,567.0	1,829.6	1,657.9	171.65	10.659		
10,800.0	7,000.0	11,507.8	7,790.0	95.2	96.4	115.58	43.8	-3,666.9	1,829.6	1,653.7	175.91	10.401		
10,900.0	7,000.0	11,607.8	7,790.0	97.5	98.8	115.58	39.6	-3,766.8	1,829.6	1,649.4	180.18	10.154		
11,000.0	7,000.0	11,707.8	7,790.0	99.9	101.1	115.58	35.5	-3,866.7	1,829.6	1,645.2	184.45	9.919		
11,100.0	7,000.0	11,807.8	7,790.0	102.2	103.5	115.58	31.3	-3,966.6	1,829.6	1,640.9	188.74	9.694		
11,200.0	7,000.0	11,907.8	7,790.0	104.5	105.8	115.58	27.1	-4,066.6	1,829.6	1,636.6	193.03	9.478		
11,300.0	7,000.0	12,007.8	7,790.0	106.9	108.2	115.58	23.0	-4,166.5	1,829.6	1,632.3	197.33	9.272		
11,400.0	7,000.0	12,107.8	7,790.0	109.2	110.5	115.58	18.8	-4,266.4	1,829.6	1,628.0	201.64	9.074		
11,500.0	7,000.0	12,207.8	7,790.0	111.6	112.9	115.58	14.7	-4,366.3	1,829.6	1,623.7	205.95	8.884		
11,600.0	7,000.0	12,307.8	7,790.0	114.0	115.3	115.58	10.5	-4,466.2	1,829.6	1,619.4	210.27	8.701		
11,700.0	7,000.0	12,407.8	7,790.0	116.3	117.6	115.58	6.4	-4,566.1	1,829.6	1,615.0	214.59	8.526		
11,800.0	7,000.0	12,507.8	7,790.0	118.7	120.0	115.58	2.2	-4,666.0	1,829.6	1,610.7	218.92	8.357		
11,900.0	7,000.0	12,607.8	7,790.0	121.0	122.4	115.58	-1.9	-4,766.0	1,829.6	1,606.4	223.26	8.195		
12,000.0	7,000.0	12,707.8	7,790.0	123.4	124.8	115.58	-6.1	-4,865.9	1,829.7	1,602.1	227.60	8.039		
12,100.0	7,000.0	12,792.2	7,790.0	125.8	126.8	115.58	-10.3	-4,965.8	1,829.7	1,598.1	231.60	7.900		
12,200.0	7,000.0	12,907.8	7,790.0	128.2	129.5	115.58	-14.4	-5,065.7	1,829.7	1,593.4	236.29	7.743		
12,300.0	7,000.0	13,007.8	7,790.0	130.6	131.9	115.58	-18.6	-5,165.6	1,829.7	1,589.0	240.64	7.603		
12,400.0	7,000.0	13,092.2	7,790.0	132.9	133.9	115.58	-22.7	-5,265.5	1,829.7	1,585.0	244.65	7.479		
12,500.0	7,000.0	13,192.2	7,790.0	135.3	136.3	115.58	-26.9	-5,365.4	1,829.7	1,580.7	249.01	7.348		
12,600.0	7,000.0	13,307.8	7,790.0	137.7	139.1	115.58	-31.0	-5,465.4	1,829.7	1,576.0	253.72	7.211		
12,700.0	7,000.0	13,407.8	7,790.0	140.1	141.5	115.58	-35.2	-5,565.3	1,829.7	1,571.6	258.08	7.090		
12,800.0	7,000.0	13,507.8	7,790.0	142.5	143.9	115.58	-39.3	-5,665.2	1,829.7	1,567.2	262.45	6.972		
12,900.0	7,000.0	13,592.2	7,790.0	144.9	145.9	115.58	-43.5	-5,765.1	1,829.7	1,563.2	266.48	6.866		
13,000.0	7,000.0	13,692.2	7,790.0	147.3	148.3	115.58	-47.7	-5,865.0	1,829.7	1,558.8	270.86	6.755		
13,100.0	7,000.0	13,807.8	7,790.0	149.7	151.1	115.58	-51.8	-5,964.9	1,829.7	1,554.1	275.58	6.640		
13,200.0	7,000.0	13,907.8	7,790.0	152.1	153.5	115.58	-56.0	-6,064.8	1,829.7	1,549.8	279.96	6.536		
13,300.0	7,000.0	14,007.8	7,790.0	154.5	155.9	115.58	-60.1	-6,164.7	1,829.7	1,545.4	284.34	6.435		
13,400.0	7,000.0	14,107.8	7,790.0	156.9	158.3	115.58	-64.3	-6,264.7	1,829.7	1,541.0	288.72	6.337		
13,500.0	7,000.0	14,207.8	7,790.0	159.3	160.7	115.58	-68.4	-6,364.6	1,829.7	1,536.6	293.11	6.242		
13,600.0	7,000.0	14,307.8	7,790.0	161.7	163.1	115.58	-72.6	-6,464.5	1,829.7	1,532.2	297.50	6.150		
13,700.0	7,000.0	14,407.8	7,790.0	164.1	165.5	115.58	-76.7	-6,564.4	1,829.7	1,527.8	301.89	6.061		
13,800.0	7,000.0	14,507.8	7,790.0	166.5	167.9	115.58	-80.9	-6,664.3	1,829.7	1,523.5	306.28	5.974		
13,900.0	7,000.0	14,607.8	7,790.0	168.9	170.3	115.58	-85.1	-6,764.2	1,829.7	1,519.1	310.68	5.890		
14,000.0	7,000.0	14,707.8	7,790.0	171.3	172.7	115.58	-89.2	-6,864.1	1,829.7	1,514.7	315.07	5.807		
14,100.0	7,000.0	14,807.8	7,790.0	173.7	175.1	115.58	-93.4	-6,964.1	1,829.8	1,510.3	319.47	5.727		
14,200.0	7,000.0	14,907.8	7,790.0	176.1	177.6	115.58	-97.5	-7,064.0	1,829.8	1,505.9	323.87	5.650		

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 #114H
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 #114H	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		
14,300.0	7,000.0	15,007.8	7,790.0	178.5	180.0	115.58	-101.7	-7,163.9	1,829.8	1,501.5	328.27	5.574		
14,400.0	7,000.0	15,107.8	7,790.0	180.9	182.4	115.58	-105.8	-7,263.8	1,829.8	1,497.1	332.67	5.500		
14,500.0	7,000.0	15,192.2	7,790.0	183.3	184.4	115.58	-110.0	-7,363.7	1,829.8	1,493.0	336.73	5.434		
14,600.0	7,000.0	15,307.8	7,790.0	185.7	187.2	115.58	-114.1	-7,463.6	1,829.8	1,488.3	341.48	5.358		
14,700.0	7,000.0	15,407.8	7,790.0	188.2	189.6	115.58	-118.3	-7,563.5	1,829.8	1,483.9	345.89	5.290		
14,800.0	7,000.0	15,507.8	7,790.0	190.6	192.0	115.58	-122.5	-7,663.4	1,829.8	1,479.5	350.30	5.224		
14,900.0	7,000.0	15,607.8	7,790.0	193.0	194.5	115.58	-126.6	-7,763.4	1,829.8	1,475.1	354.70	5.159		
15,000.0	7,000.0	15,692.2	7,790.0	195.4	196.5	115.58	-130.8	-7,863.3	1,829.8	1,471.0	358.77	5.100		
15,100.0	7,000.0	15,792.2	7,790.0	197.8	198.9	115.58	-134.9	-7,963.2	1,829.8	1,466.6	363.18	5.038		
15,200.0	7,000.0	15,907.8	7,790.0	200.2	201.7	115.58	-139.1	-8,063.1	1,829.8	1,461.9	367.94	4.973		
15,300.0	7,000.0	15,992.2	7,790.0	202.6	203.8	115.58	-143.2	-8,163.0	1,829.8	1,457.8	372.01	4.919		
15,400.0	7,000.0	16,107.8	7,790.0	205.1	206.6	115.58	-147.4	-8,262.9	1,829.8	1,453.1	376.77	4.857		
15,500.0	7,000.0	16,207.8	7,790.0	207.5	209.0	115.58	-151.5	-8,362.8	1,829.8	1,448.6	381.18	4.800		
15,600.0	7,000.0	16,307.8	7,790.0	209.9	211.4	115.58	-155.7	-8,462.8	1,829.8	1,444.2	385.60	4.745		
15,700.0	7,000.0	16,407.8	7,790.0	212.3	213.8	115.58	-159.9	-8,562.7	1,829.8	1,439.8	390.02	4.692		
15,800.0	7,000.0	16,507.8	7,790.0	214.7	216.3	115.58	-164.0	-8,662.6	1,829.8	1,435.4	394.43	4.639		
15,900.0	7,000.0	16,592.2	7,790.0	217.2	218.3	115.58	-168.2	-8,762.5	1,829.8	1,431.3	398.51	4.592		
16,000.0	7,000.0	16,692.2	7,790.0	219.6	220.7	115.58	-172.3	-8,862.4	1,829.8	1,426.9	402.93	4.541		
16,100.0	7,000.0	16,807.8	7,790.0	222.0	223.5	115.58	-176.5	-8,962.3	1,829.9	1,422.2	407.69	4.488		
16,200.0	7,000.0	16,907.8	7,790.0	224.4	225.9	115.58	-180.6	-9,062.2	1,829.9	1,417.7	412.11	4.440		
16,300.0	7,000.0	17,007.8	7,790.0	226.9	228.4	115.58	-184.8	-9,162.2	1,829.9	1,413.3	416.54	4.393		
16,400.0	7,000.0	17,107.8	7,790.0	229.3	230.8	115.58	-188.9	-9,262.1	1,829.9	1,408.9	420.96	4.347		
16,500.0	7,000.0	17,207.8	7,790.0	231.7	233.2	115.58	-193.1	-9,362.0	1,829.9	1,404.5	425.38	4.302		
16,600.0	7,000.0	17,307.8	7,790.0	234.1	235.7	115.58	-197.3	-9,461.9	1,829.9	1,400.1	429.81	4.257		
16,700.0	7,000.0	17,407.8	7,790.0	236.5	238.1	115.58	-201.4	-9,561.8	1,829.9	1,395.6	434.23	4.214		
16,800.0	7,000.0	17,492.2	7,790.0	239.0	240.1	115.58	-205.6	-9,661.7	1,829.9	1,391.6	438.31	4.175		
16,900.0	7,000.0	17,607.8	7,790.0	241.4	242.9	115.58	-209.7	-9,761.6	1,829.9	1,386.8	443.08	4.130		
17,000.0	7,000.0	17,707.8	7,790.0	243.8	245.4	115.58	-213.9	-9,861.5	1,829.9	1,382.4	447.51	4.089		
17,100.0	7,000.0	17,807.8	7,790.0	246.3	247.8	115.58	-218.0	-9,961.5	1,829.9	1,378.0	451.94	4.049		
17,200.0	7,000.0	17,907.8	7,790.0	248.7	250.2	115.58	-222.2	-10,061.4	1,829.9	1,373.5	456.37	4.010		
17,300.0	7,000.0	18,007.8	7,790.0	251.1	252.6	115.58	-226.3	-10,161.3	1,829.9	1,369.1	460.80	3.971		
17,306.3	7,000.0	18,001.5	7,790.0	251.3	252.5	115.58	-226.6	-10,167.6	1,829.9	1,369.1	460.80	3.971		
17,400.0	7,000.0	18,080.6	7,790.0	253.5	254.4	115.58	-230.0	-10,249.6	1,830.0	1,365.4	464.55	3.939		
17,456.6	7,000.0	18,080.6	7,790.0	254.9	254.4	115.58	-230.0	-10,249.6	1,831.2	1,366.0	465.22	3.936 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 #114H
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 #114H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-30.0	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	-90.00	0.0	-30.0	30.0	29.7	0.26	117.057		
200.0	200.0	200.0	200.0	0.5	0.5	-90.00	0.0	-30.0	30.0	29.0	0.97	30.827		
300.0	300.0	300.0	300.0	0.8	0.8	-90.00	0.0	-30.0	30.0	28.3	1.69	17.751		
400.0	400.0	400.0	400.0	1.2	1.2	-90.00	0.0	-30.0	30.0	27.6	2.41	12.464		
500.0	500.0	500.0	500.0	1.6	1.6	-90.00	0.0	-30.0	30.0	26.9	3.12	9.604		
600.0	600.0	600.1	600.1	1.9	1.9	100.77	-0.8	-29.8	29.9	26.1	3.81	7.860		
700.0	700.0	700.3	700.2	2.2	2.2	100.87	-3.4	-29.1	29.7	25.2	4.47	6.639		
800.0	799.9	800.4	800.3	2.6	2.6	101.03	-7.6	-27.9	29.3	24.2	5.16	5.686		
900.0	899.7	900.6	900.2	2.9	2.9	101.27	-13.5	-26.2	28.8	23.0	5.86	4.919		
1,000.0	999.4	1,000.7	1,000.1	3.3	3.3	101.59	-21.0	-24.1	28.1	21.6	6.57	4.283		
1,100.0	1,098.9	1,100.8	1,099.7	3.7	3.7	101.99	-30.3	-21.5	27.3	20.0	7.30	3.743		
1,200.0	1,198.3	1,201.0	1,199.2	4.0	4.0	102.51	-41.2	-18.4	26.4	18.3	8.05	3.276		
1,300.0	1,297.4	1,301.1	1,298.5	4.4	4.4	103.15	-53.8	-14.8	25.3	16.5	8.81	2.866		
1,400.0	1,396.3	1,401.2	1,397.5	4.8	4.8	103.94	-68.1	-10.8	24.0	14.4	9.60	2.502		
1,500.0	1,494.9	1,501.4	1,496.3	5.2	5.2	104.94	-84.0	-6.3	22.6	12.2	10.41	2.174		
1,600.0	1,593.3	1,601.3	1,594.7	5.6	5.6	108.13	-100.8	-1.6	21.4	10.2	11.23	1.907		
1,689.7	1,681.2	1,709.0	1,683.0	6.0	6.1	115.08	-115.9	2.7	21.0	8.9	12.01	1.744 CC, ES		
1,700.0	1,691.2	1,701.3	1,693.1	6.1	6.1	116.12	-117.6	3.2	21.0	8.9	12.01	1.745		
1,800.0	1,788.9	1,801.2	1,791.5	6.5	6.5	128.03	-134.5	7.9	22.0	9.2	12.72	1.726 SF		
1,900.0	1,886.1	1,901.0	1,889.8	7.0	6.9	141.11	-151.2	12.6	25.1	11.8	13.36	1.883		
2,000.0	1,982.9	2,000.7	1,987.9	7.5	7.4	152.42	-168.0	17.4	30.9	16.9	13.98	2.208		
2,100.0	2,079.3	2,100.2	2,085.9	8.0	7.8	160.87	-184.8	22.1	39.0	24.4	14.64	2.667		
2,170.4	2,146.8	2,170.2	2,154.8	8.4	8.1	165.27	-196.5	25.4	46.2	31.0	15.13	3.051		
2,200.0	2,175.2	2,200.4	2,183.7	8.5	8.2	166.79	-201.5	26.8	49.4	34.0	15.35	3.219		
2,300.0	2,271.0	2,298.9	2,281.5	9.1	8.7	170.71	-218.2	31.5	60.5	44.4	16.07	3.765		
2,400.0	2,366.7	2,398.2	2,379.3	9.6	9.1	173.40	-234.9	36.2	71.8	55.0	16.82	4.270		
2,500.0	2,462.5	2,502.5	2,477.1	10.2	9.6	175.37	-251.6	40.9	83.2	65.6	17.59	4.732		
2,600.0	2,558.3	2,596.8	2,574.9	10.7	10.0	176.85	-268.3	45.6	94.7	76.4	18.33	5.168		
2,700.0	2,654.1	2,703.9	2,672.6	11.3	10.5	178.02	-285.0	50.3	106.3	87.1	19.13	5.557		
2,800.0	2,749.9	2,804.6	2,770.4	11.8	10.9	178.95	-301.7	55.0	117.9	98.0	19.90	5.923		
2,900.0	2,845.6	2,905.2	2,868.2	12.4	11.4	179.72	-318.4	59.8	129.5	108.8	20.68	6.261		
3,000.0	2,941.4	3,005.9	2,966.0	12.9	11.8	-179.64	-335.2	64.5	141.1	119.6	21.45	6.576		
3,100.0	3,037.2	3,093.4	3,063.8	13.5	12.2	-179.09	-351.9	69.2	152.7	130.5	22.18	6.884		
3,200.0	3,133.0	3,192.7	3,161.6	14.1	12.7	-178.63	-368.6	73.9	164.4	141.4	22.96	7.159		
3,300.0	3,228.8	3,308.0	3,259.3	14.6	13.2	-178.22	-385.3	78.6	176.0	152.2	23.80	7.397		
3,400.0	3,324.6	3,408.7	3,357.1	15.2	13.7	-177.86	-402.0	83.3	187.7	163.1	24.58	7.635		
3,500.0	3,420.3	3,509.4	3,454.9	15.8	14.1	-177.55	-418.7	88.0	199.4	174.0	25.37	7.859		
3,600.0	3,516.1	3,589.9	3,552.7	16.4	14.5	-177.27	-435.4	92.7	211.0	185.0	26.08	8.093		
3,700.0	3,611.9	3,689.2	3,650.5	16.9	14.9	-177.02	-452.1	97.4	222.7	195.9	26.86	8.293		
3,800.0	3,707.7	3,788.5	3,748.2	17.5	15.4	-176.80	-468.8	102.1	234.4	206.8	27.64	8.481		
3,900.0	3,803.5	3,887.9	3,846.0	18.1	15.8	-176.60	-485.5	106.9	246.1	217.7	28.42	8.658		
4,000.0	3,899.2	3,987.2	3,943.8	18.7	16.3	-176.41	-502.3	111.6	257.8	228.6	29.21	8.826		
4,100.0	3,995.0	4,086.5	4,041.6	19.2	16.7	-176.24	-519.0	116.3	269.5	239.5	29.99	8.986		
4,200.0	4,090.8	4,185.8	4,139.4	19.8	17.2	-176.09	-535.7	121.0	281.2	250.4	30.78	9.137		
4,300.0	4,186.6	4,285.1	4,237.1	20.4	17.6	-175.94	-552.4	125.7	292.9	261.3	31.56	9.280		
4,400.0	4,282.4	4,384.4	4,334.9	21.0	18.1	-175.81	-569.1	130.4	304.6	272.2	32.35	9.416		
4,500.0	4,378.1	4,483.7	4,432.7	21.6	18.5	-175.69	-585.8	135.1	316.3	283.2	33.13	9.546		
4,600.0	4,473.9	4,583.0	4,530.5	22.1	19.0	-175.58	-602.5	139.8	328.0	294.1	33.92	9.670		
4,700.0	4,569.7	4,682.3	4,628.3	22.7	19.5	-175.47	-619.2	144.5	339.7	305.0	34.71	9.788		
4,800.0	4,665.5	4,781.7	4,726.1	23.3	19.9	-175.38	-635.9	149.2	351.4	315.9	35.49	9.901		
4,900.0	4,761.3	4,881.0	4,823.8	23.9	20.4	-175.28	-652.6	154.0	363.1	326.8	36.28	10.009		

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 #114H
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 #114H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,000.0	4,857.0	4,980.3	4,921.6	24.5	20.8	-175.20	-669.3	158.7	374.8	337.8	37.07	10.112		
5,100.0	4,952.8	5,079.6	5,019.4	25.1	21.3	-175.12	-686.1	163.4	386.5	348.7	37.86	10.211		
5,200.0	5,048.6	5,178.9	5,117.2	25.6	21.7	-175.04	-702.8	168.1	398.2	359.6	38.64	10.305		
5,300.0	5,144.4	5,278.2	5,215.0	26.2	22.2	-174.97	-719.5	172.8	409.9	370.5	39.43	10.396		
5,400.0	5,240.2	5,377.5	5,312.7	26.8	22.6	-174.90	-736.2	177.5	421.7	381.4	40.22	10.484		
5,492.9	5,329.1	5,469.7	5,403.6	27.3	23.0	-174.84	-751.7	181.9	432.5	391.6	40.95	10.562		
5,500.0	5,335.9	5,476.8	5,410.5	27.4	23.1	-174.84	-752.9	182.2	433.4	392.4	41.01	10.568		
5,600.0	5,432.1	5,576.3	5,508.5	28.0	23.5	-174.77	-769.6	186.9	443.6	401.8	41.79	10.613		
5,700.0	5,529.0	5,676.0	5,606.6	28.5	24.0	-174.68	-786.4	191.7	451.2	408.6	42.58	10.598		
5,800.0	5,626.5	5,775.9	5,705.0	29.0	24.4	-174.55	-803.2	196.4	456.3	412.9	43.35	10.524		
5,900.0	5,724.5	5,875.8	5,803.4	29.5	24.9	-174.39	-820.0	201.1	458.7	414.6	44.13	10.395		
6,000.0	5,823.1	5,975.8	5,901.8	29.9	25.3	-174.20	-836.9	205.9	458.5	413.6	44.89	10.214		
6,100.0	5,922.0	6,075.8	6,000.2	30.3	25.8	-173.97	-853.7	210.6	455.8	410.1	45.65	9.983		
6,200.0	6,021.3	6,175.6	6,098.5	30.7	26.3	-173.69	-870.5	215.4	450.4	404.0	46.41	9.705		
6,300.0	6,120.9	6,275.2	6,196.6	31.1	26.7	-173.36	-887.2	220.1	442.5	395.3	47.16	9.383		
6,400.0	6,220.6	6,374.6	6,294.5	31.4	27.2	-172.98	-904.0	224.8	431.9	384.1	47.90	9.018		
6,500.0	6,320.5	6,473.7	6,392.1	31.7	27.6	-172.52	-920.6	229.5	418.9	370.2	48.63	8.613		
6,606.5	6,427.0	6,578.8	6,495.5	32.0	28.1	-2.68	-938.3	234.5	402.2	352.8	49.40	8.141		
6,650.0	6,470.5	6,621.6	6,537.7	32.1	28.3	99.07	-945.5	236.5	395.0	345.3	49.72	7.944		
6,700.0	6,520.1	6,667.1	6,582.5	32.2	28.5	100.88	-953.0	238.6	387.6	337.5	50.12	7.735		
6,750.0	6,569.0	6,710.9	6,625.8	32.3	28.7	103.06	-959.8	240.5	381.9	331.3	50.56	7.554		
6,800.0	6,616.9	6,754.0	6,668.3	32.5	28.9	105.54	-966.0	242.3	378.2	327.2	51.06	7.407		
6,845.0	6,658.7	6,791.6	6,705.6	32.6	29.0	107.94	-971.0	243.7	377.1	325.5	51.58	7.310		
6,850.0	6,663.3	6,795.8	6,709.7	32.6	29.1	108.22	-971.5	243.8	377.1	325.4	51.64	7.301		
6,900.0	6,707.9	6,836.1	6,749.7	32.7	29.2	110.93	-976.5	245.2	379.0	326.7	52.32	7.244		
6,950.0	6,750.3	6,874.6	6,787.9	32.8	29.4	113.54	-980.8	246.5	384.6	331.5	53.10	7.243		
7,000.0	6,790.3	6,910.9	6,824.0	32.9	29.5	115.87	-984.6	247.5	394.3	340.3	53.95	7.308		
7,050.0	6,827.5	6,944.8	6,857.8	33.0	29.7	117.80	-987.8	248.4	408.4	353.5	54.85	7.446		
7,100.0	6,861.7	6,975.9	6,888.8	33.1	29.8	119.19	-990.5	249.2	427.0	371.3	55.75	7.659		
7,150.0	6,892.6	7,004.1	6,916.9	33.2	29.9	119.94	-992.7	249.8	450.2	393.6	56.62	7.951		
7,200.0	6,919.9	7,029.1	6,941.8	33.3	30.0	119.91	-994.5	250.3	477.7	420.2	57.42	8.319		
7,250.0	6,943.5	7,050.6	6,963.3	33.4	30.0	118.97	-996.0	250.7	509.1	450.9	58.12	8.758		
7,300.0	6,963.2	7,068.6	6,981.2	33.5	30.1	116.96	-997.1	251.0	543.9	485.2	58.73	9.262		
7,350.0	6,978.7	7,082.8	6,995.4	33.6	30.2	113.67	-997.9	251.3	581.8	522.6	59.24	9.822		
7,400.0	6,990.1	7,093.1	7,005.7	33.8	30.2	108.84	-998.5	251.4	622.1	562.5	59.65	10.430		
7,450.0	6,997.2	7,099.5	7,012.0	33.9	30.2	102.23	-998.8	251.5	664.4	604.4	59.97	11.078		
7,500.0	6,999.9	7,101.8	7,014.4	34.1	30.2	93.73	-998.9	251.6	708.1	647.9	60.22	11.758		
7,506.5	7,000.0	7,101.8	7,014.4	34.1	30.2	92.50	-998.9	251.6	713.8	653.6	60.25	11.848		
7,600.0	7,000.0	7,101.3	7,013.9	34.6	30.2	92.26	-998.9	251.6	797.3	736.7	60.59	13.160		
7,700.0	7,000.0	8,432.2	7,790.0	35.2	34.5	157.41	-1,141.1	-535.6	855.7	817.4	38.23	22.380		
7,800.0	7,000.0	8,521.9	7,790.0	35.9	35.4	157.34	-1,149.0	-624.9	856.1	816.5	39.55	21.647		
7,900.0	7,000.0	8,611.7	7,790.0	36.8	36.4	157.29	-1,154.1	-714.6	856.4	815.5	40.90	20.937		
7,914.7	7,000.0	8,626.4	7,790.0	37.0	36.6	157.29	-1,154.7	-729.3	856.4	815.3	41.13	20.821		
8,000.0	7,000.0	8,711.7	7,790.0	37.9	37.7	157.29	-1,158.2	-814.5	856.4	813.9	42.46	20.169		
8,100.0	7,000.0	8,811.7	7,790.0	39.2	39.1	157.29	-1,162.4	-914.4	856.4	812.3	44.09	19.424		
8,200.0	7,000.0	8,911.7	7,790.0	40.6	40.7	157.29	-1,166.5	-1,014.3	856.4	810.6	45.78	18.706		
8,300.0	7,000.0	9,011.7	7,790.0	42.1	42.3	157.29	-1,170.7	-1,114.2	856.4	808.9	47.53	18.017		
8,400.0	7,000.0	9,111.7	7,790.0	43.8	44.0	157.29	-1,174.9	-1,214.2	856.4	807.1	49.34	17.359		
8,500.0	7,000.0	9,211.7	7,790.0	45.5	45.8	157.29	-1,179.0	-1,314.1	856.4	805.2	51.18	16.731		
8,600.0	7,000.0	9,311.7	7,790.0	47.3	47.7	157.29	-1,183.2	-1,414.0	856.4	803.3	53.08	16.135		
8,700.0	7,000.0	9,411.7	7,790.0	49.2	49.6	157.29	-1,187.3	-1,513.9	856.4	801.4	55.00	15.570		
8,800.0	7,000.0	9,511.7	7,790.0	51.2	51.5	157.29	-1,191.5	-1,613.8	856.4	799.4	56.97	15.033		

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 #114H
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 #114H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	Wellbore #1	Database:	EDM 5000.14 Server
Reference Design:	State Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-MWD													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,900.0	7,000.0	9,611.7	7,790.0	53.2	53.5	157.29	-1,195.7	-1,713.7	856.4	797.4	58.96	14.526		
9,000.0	7,000.0	9,711.7	7,790.0	55.2	55.5	157.29	-1,199.8	-1,813.6	856.4	795.4	60.98	14.045		
9,100.0	7,000.0	9,811.7	7,790.0	57.2	57.6	157.29	-1,204.0	-1,913.6	856.4	793.4	63.02	13.589		
9,200.0	7,000.0	9,911.7	7,790.0	59.3	59.7	157.29	-1,208.1	-2,013.5	856.4	791.3	65.09	13.158		
9,300.0	7,000.0	10,011.7	7,790.0	61.5	61.8	157.29	-1,212.3	-2,113.4	856.4	789.2	67.17	12.749		
9,400.0	7,000.0	10,111.7	7,790.0	63.6	63.9	157.29	-1,216.5	-2,213.3	856.4	787.1	69.28	12.362		
9,500.0	7,000.0	10,211.7	7,790.0	65.8	66.1	157.29	-1,220.6	-2,313.2	856.4	785.0	71.40	11.995		
9,600.0	7,000.0	10,311.7	7,790.0	68.0	68.3	157.29	-1,224.8	-2,413.1	856.4	782.9	73.54	11.646		
9,700.0	7,000.0	10,411.7	7,790.0	70.2	70.5	157.29	-1,228.9	-2,513.0	856.4	780.7	75.69	11.315		
9,800.0	7,000.0	10,511.7	7,790.0	72.4	72.7	157.29	-1,233.1	-2,612.9	856.4	778.6	77.85	11.001		
9,900.0	7,000.0	10,611.7	7,790.0	74.6	74.9	157.29	-1,237.3	-2,712.9	856.4	776.4	80.03	10.702		
10,000.0	7,000.0	10,711.7	7,790.0	76.9	77.1	157.29	-1,241.4	-2,812.8	856.4	774.2	82.21	10.417		
10,100.0	7,000.0	10,811.7	7,790.0	79.1	79.4	157.29	-1,245.6	-2,912.7	856.4	772.0	84.41	10.146		
10,200.0	7,000.0	10,911.7	7,790.0	81.4	81.7	157.29	-1,249.7	-3,012.6	856.4	769.8	86.61	9.888		
10,300.0	7,000.0	11,011.7	7,790.0	83.7	83.9	157.29	-1,253.9	-3,112.5	856.4	767.6	88.83	9.641		
10,400.0	7,000.0	11,111.7	7,790.0	86.0	86.2	157.29	-1,258.0	-3,212.4	856.4	765.4	91.05	9.406		
10,500.0	7,000.0	11,211.7	7,790.0	88.3	88.5	157.29	-1,262.2	-3,312.3	856.4	763.1	93.28	9.181		
10,600.0	7,000.0	11,311.7	7,790.0	90.6	90.8	157.29	-1,266.4	-3,412.3	856.4	760.9	95.52	8.966		
10,700.0	7,000.0	11,411.7	7,790.0	92.9	93.1	157.29	-1,270.5	-3,512.2	856.4	758.6	97.76	8.760		
10,800.0	7,000.0	11,511.7	7,790.0	95.2	95.4	157.29	-1,274.7	-3,612.1	856.4	756.4	100.01	8.563		
10,900.0	7,000.0	11,611.7	7,790.0	97.5	97.7	157.29	-1,278.8	-3,712.0	856.4	754.1	102.26	8.375		
11,000.0	7,000.0	11,711.7	7,790.0	99.9	100.1	157.29	-1,283.0	-3,811.9	856.4	751.9	104.52	8.194		
11,100.0	7,000.0	11,811.7	7,790.0	102.2	102.4	157.29	-1,287.2	-3,911.8	856.4	749.6	106.79	8.020		
11,200.0	7,000.0	11,911.7	7,790.0	104.5	104.7	157.29	-1,291.3	-4,011.7	856.4	747.4	109.06	7.853		
11,300.0	7,000.0	12,011.7	7,790.0	106.9	107.1	157.29	-1,295.5	-4,111.6	856.4	745.1	111.33	7.693		
11,400.0	7,000.0	12,111.7	7,790.0	109.2	109.4	157.29	-1,299.6	-4,211.6	856.4	742.8	113.61	7.538		
11,500.0	7,000.0	12,211.7	7,790.0	111.6	111.8	157.29	-1,303.8	-4,311.5	856.4	740.5	115.89	7.390		
11,600.0	7,000.0	12,311.7	7,790.0	114.0	114.1	157.29	-1,308.0	-4,411.4	856.4	738.2	118.17	7.247		
11,700.0	7,000.0	12,411.7	7,790.0	116.3	116.5	157.29	-1,312.1	-4,511.3	856.4	736.0	120.46	7.110		
11,800.0	7,000.0	12,511.7	7,790.0	118.7	118.9	157.29	-1,316.3	-4,611.2	856.4	733.7	122.75	6.977		
11,900.0	7,000.0	12,611.7	7,790.0	121.0	121.2	157.29	-1,320.4	-4,711.1	856.4	731.4	125.05	6.849		
12,000.0	7,000.0	12,711.7	7,790.0	123.4	123.6	157.29	-1,324.6	-4,811.0	856.4	729.1	127.34	6.725		
12,100.0	7,000.0	12,811.7	7,790.0	125.8	126.0	157.29	-1,328.8	-4,911.0	856.4	726.8	129.64	6.606		
12,200.0	7,000.0	12,911.7	7,790.0	128.2	128.3	157.29	-1,332.9	-5,010.9	856.4	724.5	131.95	6.491		
12,300.0	7,000.0	13,011.7	7,790.0	130.6	130.7	157.29	-1,337.1	-5,110.8	856.4	722.2	134.25	6.379		
12,400.0	7,000.0	13,111.7	7,790.0	132.9	133.1	157.29	-1,341.2	-5,210.7	856.4	719.9	136.56	6.271		
12,500.0	7,000.0	13,211.7	7,790.0	135.3	135.5	157.29	-1,345.4	-5,310.6	856.4	717.5	138.87	6.167		
12,600.0	7,000.0	13,311.7	7,790.0	137.7	137.8	157.29	-1,349.6	-5,410.5	856.4	715.2	141.18	6.066		
12,700.0	7,000.0	13,411.7	7,790.0	140.1	140.2	157.29	-1,353.7	-5,510.4	856.4	712.9	143.49	5.968		
12,800.0	7,000.0	13,511.7	7,790.0	142.5	142.6	157.29	-1,357.9	-5,610.4	856.4	710.6	145.81	5.874		
12,900.0	7,000.0	13,611.7	7,790.0	144.9	145.0	157.29	-1,362.0	-5,710.3	856.4	708.3	148.12	5.782		
13,000.0	7,000.0	13,711.7	7,790.0	147.3	147.4	157.29	-1,366.2	-5,810.2	856.4	706.0	150.44	5.693		
13,100.0	7,000.0	13,811.7	7,790.0	149.7	149.8	157.29	-1,370.4	-5,910.1	856.4	703.7	152.76	5.606		
13,200.0	7,000.0	13,911.7	7,790.0	152.1	152.2	157.29	-1,374.5	-6,010.0	856.4	701.3	155.09	5.522		
13,300.0	7,000.0	14,011.7	7,790.0	154.5	154.6	157.29	-1,378.7	-6,109.9	856.4	699.0	157.41	5.441		
13,400.0	7,000.0	14,111.7	7,790.0	156.9	157.0	157.29	-1,382.8	-6,209.8	856.4	696.7	159.73	5.362		
13,500.0	7,000.0	14,211.7	7,790.0	159.3	159.4	157.29	-1,387.0	-6,309.7	856.4	694.4	162.06	5.285		
13,600.0	7,000.0	14,311.7	7,790.0	161.7	161.8	157.29	-1,391.2	-6,409.7	856.4	692.0	164.39	5.210		
13,700.0	7,000.0	14,411.7	7,790.0	164.1	164.2	157.29	-1,395.3	-6,509.6	856.4	689.7	166.72	5.137		
13,800.0	7,000.0	14,511.7	7,790.0	166.5	166.6	157.29	-1,399.5	-6,609.5	856.4	687.4	169.05	5.066		
13,900.0	7,000.0	14,611.7	7,790.0	168.9	169.0	157.29	-1,403.6	-6,709.4	856.4	685.0	171.38	4.997		
14,000.0	7,000.0	14,711.7	7,790.0	171.3	171.4	157.29	-1,407.8	-6,809.3	856.4	682.7	173.71	4.930		

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 #114H
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 #114H	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 #124H - 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			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.0	7,000.0	14,811.7	7,790.0	173.7	173.8	157.29	-1,412.0	-6,909.2	856.4	680.4	176.04	4.865		
14,200.0	7,000.0	14,911.7	7,790.0	176.1	176.2	157.29	-1,416.1	-7,009.1	856.4	678.0	178.38	4.801		
14,300.0	7,000.0	15,011.7	7,790.0	178.5	178.6	157.29	-1,420.3	-7,109.1	856.4	675.7	180.71	4.739		
14,400.0	7,000.0	15,111.7	7,790.0	180.9	181.0	157.29	-1,424.4	-7,209.0	856.4	673.4	183.05	4.679		
14,500.0	7,000.0	15,211.7	7,790.0	183.3	183.4	157.29	-1,428.6	-7,308.9	856.4	671.0	185.39	4.620		
14,600.0	7,000.0	15,311.7	7,790.0	185.7	185.8	157.28	-1,432.8	-7,408.8	856.4	668.7	187.73	4.562		
14,700.0	7,000.0	15,411.7	7,790.0	188.2	188.2	157.28	-1,436.9	-7,508.7	856.4	666.4	190.07	4.506		
14,800.0	7,000.0	15,511.7	7,790.0	190.6	190.7	157.28	-1,441.1	-7,608.6	856.4	664.0	192.41	4.451		
14,900.0	7,000.0	15,611.7	7,790.0	193.0	193.1	157.28	-1,445.2	-7,708.5	856.4	661.7	194.75	4.398		
15,000.0	7,000.0	15,711.7	7,790.0	195.4	195.5	157.28	-1,449.4	-7,808.4	856.4	659.3	197.09	4.345		
15,100.0	7,000.0	15,811.7	7,790.0	197.8	197.9	157.28	-1,453.5	-7,908.4	856.4	657.0	199.43	4.294		
15,200.0	7,000.0	15,911.7	7,790.0	200.2	200.3	157.28	-1,457.7	-8,008.3	856.4	654.7	201.77	4.245		
15,300.0	7,000.0	16,011.7	7,790.0	202.6	202.7	157.28	-1,461.9	-8,108.2	856.4	652.3	204.12	4.196		
15,400.0	7,000.0	16,111.7	7,790.0	205.1	205.1	157.28	-1,466.0	-8,208.1	856.4	650.0	206.46	4.148		
15,500.0	7,000.0	16,211.7	7,790.0	207.5	207.6	157.28	-1,470.2	-8,308.0	856.4	647.6	208.81	4.102		
15,600.0	7,000.0	16,311.7	7,790.0	209.9	210.0	157.28	-1,474.3	-8,407.9	856.4	645.3	211.15	4.056		
15,700.0	7,000.0	16,411.7	7,790.0	212.3	212.4	157.28	-1,478.5	-8,507.8	856.4	642.9	213.50	4.011		
15,800.0	7,000.0	16,511.7	7,790.0	214.7	214.8	157.28	-1,482.7	-8,607.8	856.4	640.6	215.84	3.968		
15,900.0	7,000.0	16,611.7	7,790.0	217.2	217.2	157.28	-1,486.8	-8,707.7	856.4	638.2	218.19	3.925		
16,000.0	7,000.0	16,711.7	7,790.0	219.6	219.7	157.28	-1,491.0	-8,807.6	856.4	635.9	220.54	3.883		
16,100.0	7,000.0	16,811.7	7,790.0	222.0	222.1	157.28	-1,495.1	-8,907.5	856.4	633.5	222.89	3.842		
16,200.0	7,000.0	16,911.7	7,790.0	224.4	224.5	157.28	-1,499.3	-9,007.4	856.4	631.2	225.24	3.802		
16,300.0	7,000.0	17,011.7	7,790.0	226.9	226.9	157.28	-1,503.5	-9,107.3	856.4	628.8	227.59	3.763		
16,400.0	7,000.0	17,111.7	7,790.0	229.3	229.3	157.28	-1,507.6	-9,207.2	856.4	626.5	229.94	3.725		
16,500.0	7,000.0	17,211.7	7,790.0	231.7	231.8	157.28	-1,511.8	-9,307.1	856.4	624.2	232.29	3.687		
16,600.0	7,000.0	17,311.7	7,790.0	234.1	234.2	157.28	-1,515.9	-9,407.1	856.4	621.8	234.64	3.650		
16,700.0	7,000.0	17,411.7	7,790.0	236.5	236.6	157.28	-1,520.1	-9,507.0	856.4	619.4	236.99	3.614		
16,800.0	7,000.0	17,511.7	7,790.0	239.0	239.0	157.28	-1,524.3	-9,606.9	856.4	617.1	239.34	3.578		
16,900.0	7,000.0	17,611.7	7,790.0	241.4	241.5	157.28	-1,528.4	-9,706.8	856.4	614.7	241.69	3.544		
17,000.0	7,000.0	17,711.7	7,790.0	243.8	243.9	157.28	-1,532.6	-9,806.7	856.4	612.4	244.05	3.509		
17,100.0	7,000.0	17,811.7	7,790.0	246.3	246.3	157.28	-1,536.7	-9,906.6	856.4	610.0	246.40	3.476		
17,200.0	7,000.0	17,911.7	7,790.0	248.7	248.7	157.28	-1,540.9	-10,006.5	856.4	607.7	248.75	3.443		
17,300.0	7,000.0	18,011.7	7,790.0	251.1	251.2	157.28	-1,545.1	-10,106.5	856.4	605.3	251.11	3.411		
17,400.0	7,000.0	18,111.7	7,790.0	253.5	253.6	157.28	-1,549.2	-10,206.4	856.4	603.0	253.46	3.379		
17,400.1	7,000.0	18,111.8	7,790.0	253.5	253.6	157.28	-1,549.2	-10,206.4	856.4	603.0	253.46	3.379		
17,456.6	7,000.0	18,154.3	7,790.0	254.9	254.6	157.28	-1,551.0	-10,249.0	856.6	602.3	254.28	3.369		

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

Anticollision Report

Company: Matador Production Company
Project: Rustler Breaks
Reference Site: David Edelstein
Site Error: 0.0 usft
Reference Well: David Edelstein State Com #114H
Well Error: 0.0 usft
Reference Wellbore: Wellbore #1
Reference Design: State Plan #1

Local Co-ordinate Reference: Well David Edelstein State Com #114H
TVD Reference: KB @ 3117.5usft
MD Reference: KB @ 3117.5usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: EDM 5000.14 Server
Offset TVD Reference: Offset Datum

Reference Depths are relative to KB @ 3117.5usft

Offset Depths are relative to Offset Datum

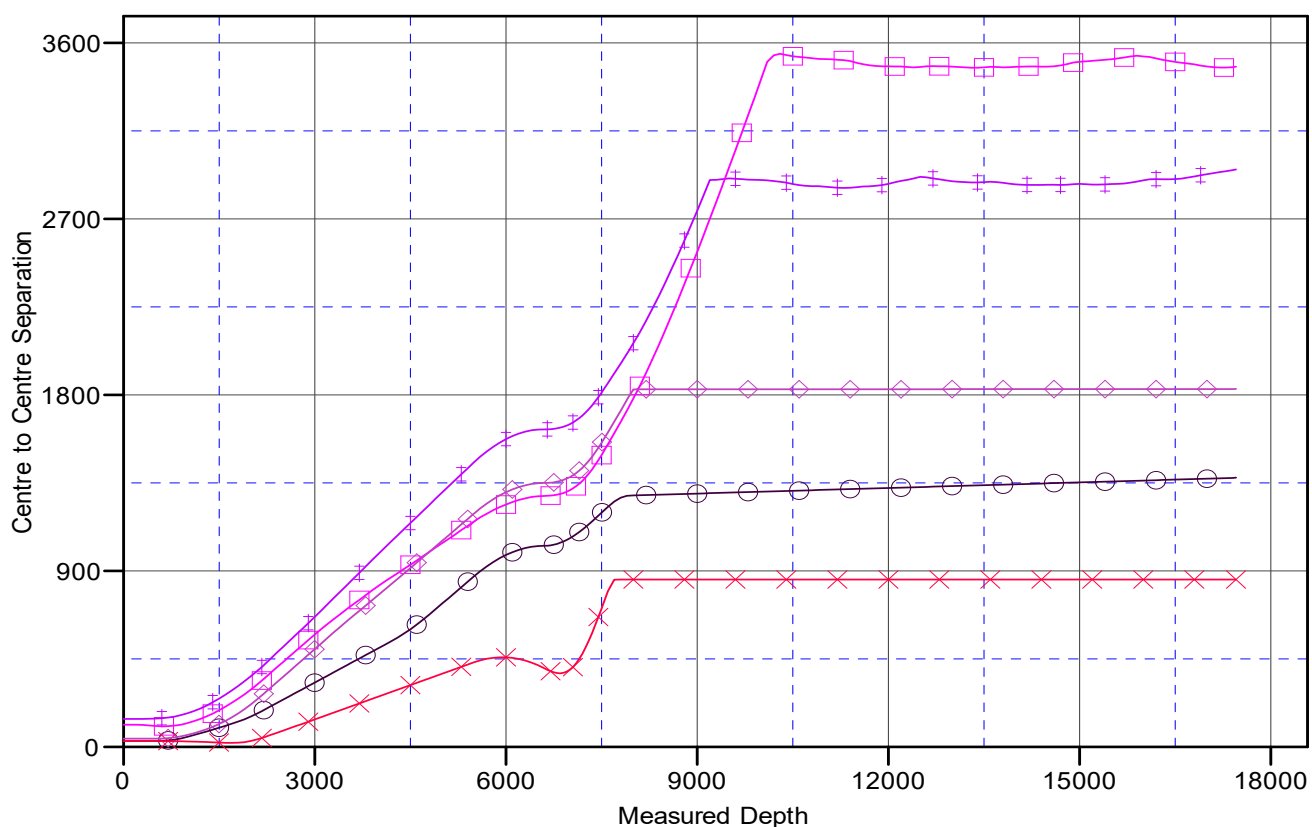
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: David Edelstein State Com #114H

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

Grid Convergence at Surface is: 0.11°

Ladder 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 #124H, Wellbore #1, State Plan #1 VO

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

Anticollision Report

Company: Matador Production Company
Project: Rustler Breaks
Reference Site: David Edelstein
Site Error: 0.0 usft
Reference Well: David Edelstein State Com #114H
Well Error: 0.0 usft
Reference Wellbore: Wellbore #1
Reference Design: State Plan #1

Local Co-ordinate Reference: Well David Edelstein State Com #114H
TVD Reference: KB @ 3117.5usft
MD Reference: KB @ 3117.5usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: EDM 5000.14 Server
Offset TVD Reference: Offset Datum

Reference Depths are relative to KB @ 3117.5usft

Offset Depths are relative to Offset Datum

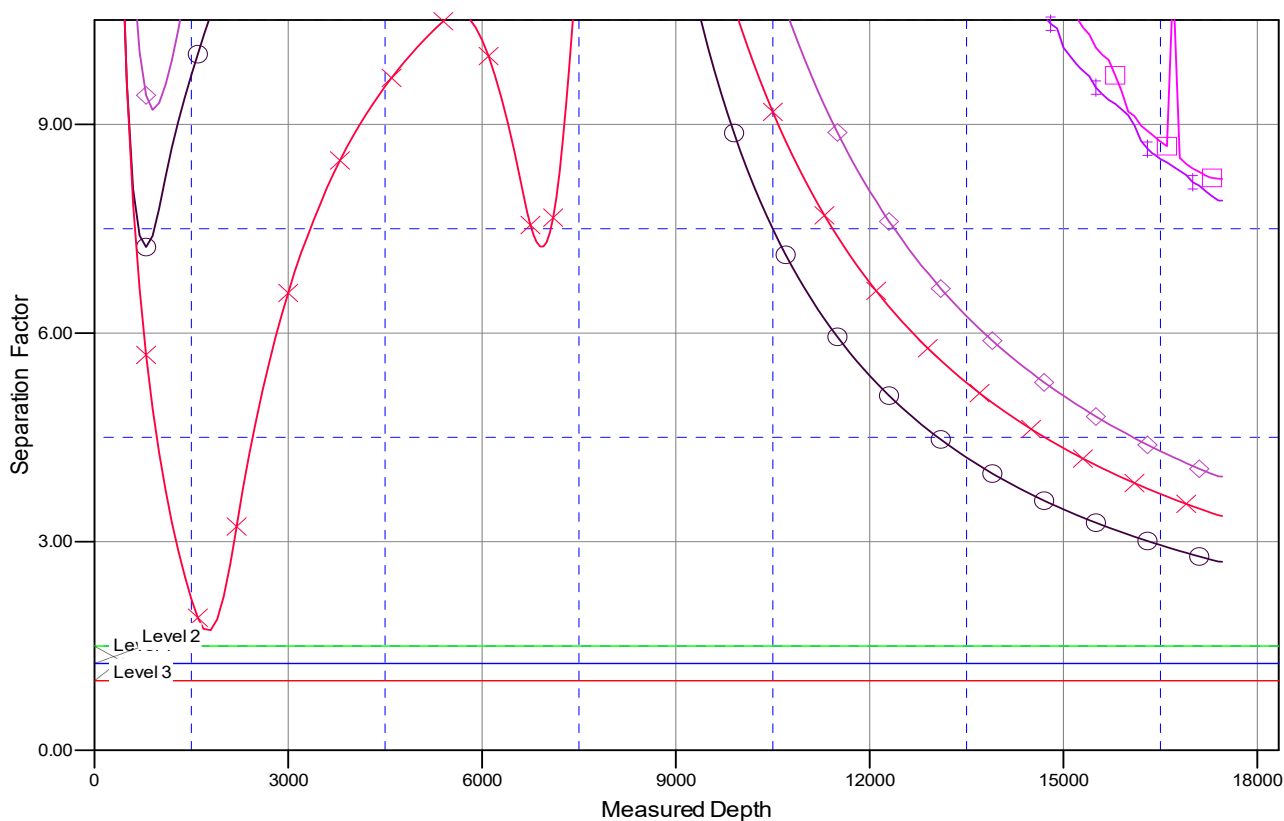
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: David Edelstein State Com #114H

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 #124H, 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 #114H

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 #114H
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 #114H	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 #114H					
Well Position	+N/-S	-110.0 usft	Northing:	447,550.00 usft	Latitude:	32° 13' 49.001 N
	+E/-W	30.0 usft	Easting:	561,025.00 usft	Longitude:	104° 8' 9.530 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	47,333.05446054

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	259.59

Plan Survey Tool Program	Date	11/4/2022		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,456.6	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	
2,170.4	16.70	169.26	2,146.8	-237.5	45.1	1.00	1.00	0.00	169.26	
5,492.9	16.70	169.26	5,329.1	-1,175.8	223.0	0.00	0.00	0.00	0.00	
6,606.5	0.00	0.00	6,427.0	-1,334.2	253.0	1.50	-1.50	0.00	180.00	VP - David Edelstein ;
7,506.5	90.00	259.45	7,000.0	-1,439.1	-310.2	10.00	10.00	0.00	259.45	
7,914.7	90.00	267.62	7,000.0	-1,485.0	-715.6	2.00	0.00	2.00	90.00	
17,456.6	90.00	267.62	7,000.0	-1,882.0	-10,249.2	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 #114H
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 #114H	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	169.26	600.0	-0.9	0.2	0.0	1.00	1.00	0.00
700.0	2.00	169.26	700.0	-3.4	0.7	0.0	1.00	1.00	0.00
760.1	2.60	169.26	760.0	-5.8	1.1	0.0	1.00	1.00	0.00
Castile									
800.0	3.00	169.26	799.9	-7.7	1.5	0.0	1.00	1.00	0.00
900.0	4.00	169.26	899.7	-13.7	2.6	-0.1	1.00	1.00	0.00
1,000.0	5.00	169.26	999.4	-21.4	4.1	-0.1	1.00	1.00	0.00
1,100.0	6.00	169.26	1,098.9	-30.8	5.8	-0.2	1.00	1.00	0.00
1,200.0	7.00	169.26	1,198.3	-42.0	8.0	-0.2	1.00	1.00	0.00
1,300.0	8.00	169.26	1,297.4	-54.8	10.4	-0.3	1.00	1.00	0.00
1,400.0	9.00	169.26	1,396.3	-69.3	13.1	-0.4	1.00	1.00	0.00
1,500.0	10.00	169.26	1,494.9	-85.5	16.2	-0.5	1.00	1.00	0.00
1,600.0	11.00	169.26	1,593.3	-103.4	19.6	-0.6	1.00	1.00	0.00
1,700.0	12.00	169.26	1,691.2	-123.0	23.3	-0.7	1.00	1.00	0.00
1,800.0	13.00	169.26	1,788.9	-144.3	27.4	-0.9	1.00	1.00	0.00
1,900.0	14.00	169.26	1,886.1	-167.2	31.7	-1.0	1.00	1.00	0.00
2,000.0	15.00	169.26	1,982.9	-191.8	36.4	-1.1	1.00	1.00	0.00
2,100.0	16.00	169.26	2,079.3	-218.1	41.4	-1.3	1.00	1.00	0.00
2,170.4	16.70	169.26	2,146.8	-237.5	45.1	-1.4	1.00	1.00	0.00
Start 3322.5 hold at 2170.4 MD									
2,200.0	16.70	169.26	2,175.2	-245.9	46.6	-1.5	0.00	0.00	0.00
2,300.0	16.70	169.26	2,271.0	-274.1	52.0	-1.6	0.00	0.00	0.00
2,400.0	16.70	169.26	2,366.7	-302.4	57.3	-1.8	0.00	0.00	0.00
2,472.9	16.70	169.26	2,436.6	-323.0	61.3	-1.9	0.00	0.00	0.00
G30:CS14-CSB									
2,481.8	16.70	169.26	2,445.1	-325.5	61.7	-1.9	0.00	0.00	0.00
G26: Bell Cyn.									
2,500.0	16.70	169.26	2,462.5	-330.6	62.7	-2.0	0.00	0.00	0.00
2,600.0	16.70	169.26	2,558.3	-358.9	68.1	-2.1	0.00	0.00	0.00
2,700.0	16.70	169.26	2,654.1	-387.1	73.4	-2.3	0.00	0.00	0.00
2,800.0	16.70	169.26	2,749.9	-415.3	78.8	-2.5	0.00	0.00	0.00
2,900.0	16.70	169.26	2,845.6	-443.6	84.1	-2.6	0.00	0.00	0.00
3,000.0	16.70	169.26	2,941.4	-471.8	89.5	-2.8	0.00	0.00	0.00
3,100.0	16.70	169.26	3,037.2	-500.1	94.8	-3.0	0.00	0.00	0.00
3,200.0	16.70	169.26	3,133.0	-528.3	100.2	-3.1	0.00	0.00	0.00
3,300.0	16.70	169.26	3,228.8	-556.5	105.5	-3.3	0.00	0.00	0.00
3,327.5	16.70	169.26	3,255.1	-564.3	107.0	-3.3	0.00	0.00	0.00
G13: Cherry Cyn.									
3,400.0	16.70	169.26	3,324.6	-584.8	110.9	-3.5	0.00	0.00	0.00
3,500.0	16.70	169.26	3,420.3	-613.0	116.3	-3.6	0.00	0.00	0.00
3,600.0	16.70	169.26	3,516.1	-641.3	121.6	-3.8	0.00	0.00	0.00
3,700.0	16.70	169.26	3,611.9	-669.5	127.0	-4.0	0.00	0.00	0.00
3,800.0	16.70	169.26	3,707.7	-697.7	132.3	-4.1	0.00	0.00	0.00
3,900.0	16.70	169.26	3,803.5	-726.0	137.7	-4.3	0.00	0.00	0.00
4,000.0	16.70	169.26	3,899.2	-754.2	143.0	-4.5	0.00	0.00	0.00
4,100.0	16.70	169.26	3,995.0	-782.5	148.4	-4.6	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #114H
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 #114H	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)
4,200.0	16.70	169.26	4,090.8	-810.7	153.8	-4.8	0.00	0.00	0.00
4,300.0	16.70	169.26	4,186.6	-838.9	159.1	-5.0	0.00	0.00	0.00
4,400.0	16.70	169.26	4,282.4	-867.2	164.5	-5.1	0.00	0.00	0.00
4,442.1	16.70	169.26	4,322.6	-879.0	166.7	-5.2	0.00	0.00	0.00
G7: Brushy Cyn.									
4,500.0	16.70	169.26	4,378.1	-895.4	169.8	-5.3	0.00	0.00	0.00
4,600.0	16.70	169.26	4,473.9	-923.6	175.2	-5.5	0.00	0.00	0.00
4,700.0	16.70	169.26	4,569.7	-951.9	180.5	-5.6	0.00	0.00	0.00
4,800.0	16.70	169.26	4,665.5	-980.1	185.9	-5.8	0.00	0.00	0.00
4,900.0	16.70	169.26	4,761.3	-1,008.4	191.2	-6.0	0.00	0.00	0.00
5,000.0	16.70	169.26	4,857.0	-1,036.6	196.6	-6.1	0.00	0.00	0.00
5,100.0	16.70	169.26	4,952.8	-1,064.8	202.0	-6.3	0.00	0.00	0.00
5,200.0	16.70	169.26	5,048.6	-1,093.1	207.3	-6.5	0.00	0.00	0.00
5,300.0	16.70	169.26	5,144.4	-1,121.3	212.7	-6.6	0.00	0.00	0.00
5,400.0	16.70	169.26	5,240.2	-1,149.6	218.0	-6.8	0.00	0.00	0.00
5,492.9	16.70	169.26	5,329.1	-1,175.8	223.0	-7.0	0.00	0.00	0.00
Start Drop -1.50									
5,500.0	16.60	169.26	5,335.9	-1,177.8	223.4	-7.0	1.50	-1.50	0.00
5,600.0	15.10	169.26	5,432.1	-1,204.6	228.5	-7.1	1.50	-1.50	0.00
5,700.0	13.60	169.26	5,529.0	-1,229.0	233.1	-7.3	1.50	-1.50	0.00
5,800.0	12.10	169.26	5,626.5	-1,250.8	237.2	-7.4	1.50	-1.50	0.00
5,900.0	10.60	169.26	5,724.5	-1,270.1	240.9	-7.5	1.50	-1.50	0.00
6,000.0	9.10	169.26	5,823.1	-1,286.9	244.1	-7.6	1.50	-1.50	0.00
6,090.9	7.73	169.26	5,913.0	-1,300.0	246.6	-7.7	1.50	-1.50	0.00
G4: BSG (CS9)									
6,100.0	7.60	169.26	5,922.0	-1,301.2	246.8	-7.7	1.50	-1.50	0.00
6,200.0	6.10	169.26	6,021.3	-1,312.9	249.0	-7.8	1.50	-1.50	0.00
6,300.0	4.60	169.26	6,120.9	-1,322.1	250.7	-7.8	1.50	-1.50	0.00
6,400.0	3.10	169.26	6,220.6	-1,328.7	252.0	-7.9	1.50	-1.50	0.00
6,500.0	1.60	169.26	6,320.5	-1,332.7	252.8	-7.9	1.50	-1.50	0.00
6,606.5	0.00	0.00	6,427.0	-1,334.2	253.0	-7.9	1.50	-1.50	-158.97
Start Build 10.00 - VP - David Edelstein #114H									
6,650.0	4.35	259.45	6,470.5	-1,334.5	251.4	-6.3	10.00	10.00	-231.00
6,700.0	9.35	259.45	6,520.1	-1,335.5	245.5	-0.3	10.00	10.00	0.00
6,750.0	14.35	259.45	6,569.0	-1,337.4	235.4	10.0	10.00	10.00	0.00
6,779.4	17.29	259.45	6,597.3	-1,338.9	227.6	18.0	10.00	10.00	0.00
L5.3: FBSC									
6,800.0	19.35	259.45	6,616.9	-1,340.1	221.2	24.5	10.00	10.00	0.00
6,850.0	24.35	259.45	6,663.3	-1,343.5	202.9	43.1	10.00	10.00	0.00
6,900.0	29.35	259.45	6,707.9	-1,347.6	180.7	65.6	10.00	10.00	0.00
6,950.0	34.35	259.45	6,750.3	-1,352.4	154.8	92.0	10.00	10.00	0.00
7,000.0	39.35	259.45	6,790.3	-1,357.9	125.3	122.0	10.00	10.00	0.00
7,050.0	44.35	259.45	6,827.5	-1,364.0	92.5	155.4	10.00	10.00	0.00
7,100.0	49.35	259.45	6,861.7	-1,370.7	56.7	191.8	10.00	10.00	0.00
7,110.2	50.37	259.45	6,868.3	-1,372.1	49.0	199.6	10.00	10.00	0.00
FTP - David Edelstein #114H									
7,150.0	54.35	259.45	6,892.6	-1,377.9	18.0	231.1	10.00	10.00	0.00
7,171.6	56.51	259.45	6,904.8	-1,381.2	0.6	248.9	10.00	10.00	0.00
L5.1: FBSC									
7,174.2	56.78	259.45	6,906.3	-1,381.6	-1.6	251.1	10.00	10.00	0.00
L5.1: FBSC									
7,200.0	59.35	259.45	6,919.9	-1,385.6	-23.1	273.0	10.00	10.00	0.00
7,250.0	64.35	259.45	6,943.5	-1,393.6	-66.4	317.1	10.00	10.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #114H
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 #114H	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)
7,300.0	69.35	259.45	6,963.2	-1,402.1	-111.6	363.0	10.00	10.00	0.00
7,350.0	74.35	259.45	6,978.7	-1,410.8	-158.3	410.5	10.00	10.00	0.00
7,400.0	79.35	259.45	6,990.1	-1,419.7	-206.2	459.2	10.00	10.00	0.00
7,450.0	84.35	259.45	6,997.2	-1,428.7	-254.8	508.7	10.00	10.00	0.00
7,500.0	89.35	259.45	6,999.9	-1,437.9	-303.9	558.6	10.00	10.00	0.00
7,506.5	90.00	259.45	7,000.0	-1,439.1	-310.2	565.0	10.00	10.00	0.00
Start DLS 2.00 TFO 90.00									
7,600.0	90.00	261.32	7,000.0	-1,454.7	-402.5	658.6	2.00	0.00	2.00
7,700.0	90.00	263.32	7,000.0	-1,468.0	-501.6	758.4	2.00	0.00	2.00
7,800.0	90.00	265.32	7,000.0	-1,477.9	-601.1	858.1	2.00	0.00	2.00
7,900.0	90.00	267.32	7,000.0	-1,484.4	-700.8	957.4	2.00	0.00	2.00
7,914.7	90.00	267.62	7,000.0	-1,485.0	-715.6	972.0	2.00	0.00	2.00
Start 9541.9 hold at 7914.7 MD									
8,000.0	90.00	267.62	7,000.0	-1,488.6	-800.8	1,056.4	0.00	0.00	0.00
8,100.0	90.00	267.62	7,000.0	-1,492.7	-900.7	1,155.5	0.00	0.00	0.00
8,200.0	90.00	267.62	7,000.0	-1,496.9	-1,000.6	1,254.5	0.00	0.00	0.00
8,300.0	90.00	267.62	7,000.0	-1,501.0	-1,100.5	1,353.5	0.00	0.00	0.00
8,400.0	90.00	267.62	7,000.0	-1,505.2	-1,200.4	1,452.5	0.00	0.00	0.00
8,500.0	90.00	267.62	7,000.0	-1,509.4	-1,300.3	1,551.5	0.00	0.00	0.00
8,600.0	90.00	267.62	7,000.0	-1,513.5	-1,400.2	1,650.6	0.00	0.00	0.00
8,700.0	90.00	267.62	7,000.0	-1,517.7	-1,500.1	1,749.6	0.00	0.00	0.00
8,800.0	90.00	267.62	7,000.0	-1,521.8	-1,600.1	1,848.6	0.00	0.00	0.00
8,900.0	90.00	267.62	7,000.0	-1,526.0	-1,700.0	1,947.6	0.00	0.00	0.00
9,000.0	90.00	267.62	7,000.0	-1,530.2	-1,799.9	2,046.6	0.00	0.00	0.00
9,100.0	90.00	267.62	7,000.0	-1,534.3	-1,899.8	2,145.7	0.00	0.00	0.00
9,200.0	90.00	267.62	7,000.0	-1,538.5	-1,999.7	2,244.7	0.00	0.00	0.00
9,300.0	90.00	267.62	7,000.0	-1,542.6	-2,099.6	2,343.7	0.00	0.00	0.00
9,400.0	90.00	267.62	7,000.0	-1,546.8	-2,199.5	2,442.7	0.00	0.00	0.00
9,500.0	90.00	267.62	7,000.0	-1,551.0	-2,299.5	2,541.8	0.00	0.00	0.00
9,600.0	90.00	267.62	7,000.0	-1,555.1	-2,399.4	2,640.8	0.00	0.00	0.00
9,700.0	90.00	267.62	7,000.0	-1,559.3	-2,499.3	2,739.8	0.00	0.00	0.00
9,800.0	90.00	267.62	7,000.0	-1,563.4	-2,599.2	2,838.8	0.00	0.00	0.00
9,900.0	90.00	267.62	7,000.0	-1,567.6	-2,699.1	2,937.8	0.00	0.00	0.00
10,000.0	90.00	267.62	7,000.0	-1,571.8	-2,799.0	3,036.9	0.00	0.00	0.00
10,100.0	90.00	267.62	7,000.0	-1,575.9	-2,898.9	3,135.9	0.00	0.00	0.00
10,200.0	90.00	267.62	7,000.0	-1,580.1	-2,998.9	3,234.9	0.00	0.00	0.00
10,300.0	90.00	267.62	7,000.0	-1,584.3	-3,098.8	3,333.9	0.00	0.00	0.00
10,400.0	90.00	267.62	7,000.0	-1,588.4	-3,198.7	3,433.0	0.00	0.00	0.00
10,500.0	90.00	267.62	7,000.0	-1,592.6	-3,298.6	3,532.0	0.00	0.00	0.00
10,600.0	90.00	267.62	7,000.0	-1,596.7	-3,398.5	3,631.0	0.00	0.00	0.00
10,700.0	90.00	267.62	7,000.0	-1,600.9	-3,498.4	3,730.0	0.00	0.00	0.00
10,800.0	90.00	267.62	7,000.0	-1,605.1	-3,598.3	3,829.0	0.00	0.00	0.00
10,900.0	90.00	267.62	7,000.0	-1,609.2	-3,698.2	3,928.1	0.00	0.00	0.00
11,000.0	90.00	267.62	7,000.0	-1,613.4	-3,798.2	4,027.1	0.00	0.00	0.00
11,100.0	90.00	267.62	7,000.0	-1,617.5	-3,898.1	4,126.1	0.00	0.00	0.00
11,200.0	90.00	267.62	7,000.0	-1,621.7	-3,998.0	4,225.1	0.00	0.00	0.00
11,300.0	90.00	267.62	7,000.0	-1,625.9	-4,097.9	4,324.2	0.00	0.00	0.00
11,400.0	90.00	267.62	7,000.0	-1,630.0	-4,197.8	4,423.2	0.00	0.00	0.00
11,500.0	90.00	267.62	7,000.0	-1,634.2	-4,297.7	4,522.2	0.00	0.00	0.00
11,600.0	90.00	267.62	7,000.0	-1,638.3	-4,397.6	4,621.2	0.00	0.00	0.00
11,700.0	90.00	267.62	7,000.0	-1,642.5	-4,497.6	4,720.2	0.00	0.00	0.00
11,800.0	90.00	267.62	7,000.0	-1,646.7	-4,597.5	4,819.3	0.00	0.00	0.00
11,900.0	90.00	267.62	7,000.0	-1,650.8	-4,697.4	4,918.3	0.00	0.00	0.00
12,000.0	90.00	267.62	7,000.0	-1,655.0	-4,797.3	5,017.3	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #114H
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 #114H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	State Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,100.0	90.00	267.62	7,000.0	-1,659.1	-4,897.2	5,116.3	0.00	0.00	0.00
12,200.0	90.00	267.62	7,000.0	-1,663.3	-4,997.1	5,215.3	0.00	0.00	0.00
12,300.0	90.00	267.62	7,000.0	-1,667.5	-5,097.0	5,314.4	0.00	0.00	0.00
12,400.0	90.00	267.62	7,000.0	-1,671.6	-5,196.9	5,413.4	0.00	0.00	0.00
12,500.0	90.00	267.62	7,000.0	-1,675.8	-5,296.9	5,512.4	0.00	0.00	0.00
12,600.0	90.00	267.62	7,000.0	-1,680.0	-5,396.8	5,611.4	0.00	0.00	0.00
12,700.0	90.00	267.62	7,000.0	-1,684.1	-5,496.7	5,710.5	0.00	0.00	0.00
12,800.0	90.00	267.62	7,000.0	-1,688.3	-5,596.6	5,809.5	0.00	0.00	0.00
12,900.0	90.00	267.62	7,000.0	-1,692.4	-5,696.5	5,908.5	0.00	0.00	0.00
13,000.0	90.00	267.62	7,000.0	-1,696.6	-5,796.4	6,007.5	0.00	0.00	0.00
13,100.0	90.00	267.62	7,000.0	-1,700.8	-5,896.3	6,106.5	0.00	0.00	0.00
13,200.0	90.00	267.62	7,000.0	-1,704.9	-5,996.3	6,205.6	0.00	0.00	0.00
13,300.0	90.00	267.62	7,000.0	-1,709.1	-6,096.2	6,304.6	0.00	0.00	0.00
13,400.0	90.00	267.62	7,000.0	-1,713.2	-6,196.1	6,403.6	0.00	0.00	0.00
13,500.0	90.00	267.62	7,000.0	-1,717.4	-6,296.0	6,502.6	0.00	0.00	0.00
13,600.0	90.00	267.62	7,000.0	-1,721.6	-6,395.9	6,601.7	0.00	0.00	0.00
13,700.0	90.00	267.62	7,000.0	-1,725.7	-6,495.8	6,700.7	0.00	0.00	0.00
13,800.0	90.00	267.62	7,000.0	-1,729.9	-6,595.7	6,799.7	0.00	0.00	0.00
13,900.0	90.00	267.62	7,000.0	-1,734.0	-6,695.6	6,898.7	0.00	0.00	0.00
14,000.0	90.00	267.62	7,000.0	-1,738.2	-6,795.6	6,997.7	0.00	0.00	0.00
14,100.0	90.00	267.62	7,000.0	-1,742.4	-6,895.5	7,096.8	0.00	0.00	0.00
14,200.0	90.00	267.62	7,000.0	-1,746.5	-6,995.4	7,195.8	0.00	0.00	0.00
14,300.0	90.00	267.62	7,000.0	-1,750.7	-7,095.3	7,294.8	0.00	0.00	0.00
14,400.0	90.00	267.62	7,000.0	-1,754.9	-7,195.2	7,393.8	0.00	0.00	0.00
14,500.0	90.00	267.62	7,000.0	-1,759.0	-7,295.1	7,492.9	0.00	0.00	0.00
14,600.0	90.00	267.62	7,000.0	-1,763.2	-7,395.0	7,591.9	0.00	0.00	0.00
14,700.0	90.00	267.62	7,000.0	-1,767.3	-7,495.0	7,690.9	0.00	0.00	0.00
14,800.0	90.00	267.62	7,000.0	-1,771.5	-7,594.9	7,789.9	0.00	0.00	0.00
14,900.0	90.00	267.62	7,000.0	-1,775.7	-7,694.8	7,888.9	0.00	0.00	0.00
15,000.0	90.00	267.62	7,000.0	-1,779.8	-7,794.7	7,988.0	0.00	0.00	0.00
15,100.0	90.00	267.62	7,000.0	-1,784.0	-7,894.6	8,087.0	0.00	0.00	0.00
15,200.0	90.00	267.62	7,000.0	-1,788.1	-7,994.5	8,186.0	0.00	0.00	0.00
15,300.0	90.00	267.62	7,000.0	-1,792.3	-8,094.4	8,285.0	0.00	0.00	0.00
15,400.0	90.00	267.62	7,000.0	-1,796.5	-8,194.3	8,384.0	0.00	0.00	0.00
15,500.0	90.00	267.62	7,000.0	-1,800.6	-8,294.3	8,483.1	0.00	0.00	0.00
15,600.0	90.00	267.62	7,000.0	-1,804.8	-8,394.2	8,582.1	0.00	0.00	0.00
15,700.0	90.00	267.62	7,000.0	-1,808.9	-8,494.1	8,681.1	0.00	0.00	0.00
15,800.0	90.00	267.62	7,000.0	-1,813.1	-8,594.0	8,780.1	0.00	0.00	0.00
15,900.0	90.00	267.62	7,000.0	-1,817.3	-8,693.9	8,879.2	0.00	0.00	0.00
16,000.0	90.00	267.62	7,000.0	-1,821.4	-8,793.8	8,978.2	0.00	0.00	0.00
16,100.0	90.00	267.62	7,000.0	-1,825.6	-8,893.7	9,077.2	0.00	0.00	0.00
16,200.0	90.00	267.62	7,000.0	-1,829.7	-8,993.7	9,176.2	0.00	0.00	0.00
16,300.0	90.00	267.62	7,000.0	-1,833.9	-9,093.6	9,275.2	0.00	0.00	0.00
16,400.0	90.00	267.62	7,000.0	-1,838.1	-9,193.5	9,374.3	0.00	0.00	0.00
16,500.0	90.00	267.62	7,000.0	-1,842.2	-9,293.4	9,473.3	0.00	0.00	0.00
16,600.0	90.00	267.62	7,000.0	-1,846.4	-9,393.3	9,572.3	0.00	0.00	0.00
16,700.0	90.00	267.62	7,000.0	-1,850.6	-9,493.2	9,671.3	0.00	0.00	0.00
16,800.0	90.00	267.62	7,000.0	-1,854.7	-9,593.1	9,770.4	0.00	0.00	0.00
16,900.0	90.00	267.62	7,000.0	-1,858.9	-9,693.0	9,869.4	0.00	0.00	0.00
17,000.0	90.00	267.62	7,000.0	-1,863.0	-9,793.0	9,968.4	0.00	0.00	0.00
17,100.0	90.00	267.62	7,000.0	-1,867.2	-9,892.9	10,067.4	0.00	0.00	0.00
17,200.0	90.00	267.62	7,000.0	-1,871.4	-9,992.8	10,166.4	0.00	0.00	0.00
17,300.0	90.00	267.62	7,000.0	-1,875.5	-10,092.7	10,265.5	0.00	0.00	0.00
17,400.0	90.00	267.62	7,000.0	-1,879.7	-10,192.6	10,364.5	0.00	0.00	0.00

Planning Report

Database:	EDM 5000.14 Server	Local Co-ordinate Reference:	Well David Edelstein State Com #114H
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 #114H	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)
17,456.6	90.00	267.62	7,000.0	-1,882.0	-10,249.2	10,420.6	0.00	0.00	0.00
TD at 17456.6 - BHL - David Edelstein #114H									

Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
VP - David Edelstein #11 - plan hits target center - Point	0.00	0.00	6,427.0	-1,334.2	253.0	446,216.00	561,278.00	32° 13' 35.794 N	104° 8' 6.613 W
BHL - David Edelstein # - plan hits target center - Point	0.00	0.00	7,000.0	-1,882.0	-10,249.2	445,668.00	550,776.00	32° 13' 30.546 N	104° 10' 8.884 W
FTP - David Edelstein # - plan misses target center by 331.2usft at 7110.2usft MD (6868.3 TVD, -1372.1 N, 49.0 E) - Point	0.00	0.00	7,000.0	-1,634.2	203.0	445,916.00	561,228.00	32° 13' 32.826 N	104° 8' 7.201 W

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
760.1	760.0	Castile		0.00	267.62	
2,472.9	2,436.6	G30:CS14-CSB		0.00	267.62	
2,481.8	2,445.1	G26: Bell Cyn.		0.00	267.62	
3,327.5	3,255.1	G13: Cherry Cyn.		0.00	267.62	
4,442.1	4,322.6	G7: Brushy Cyn.		0.00	267.62	
6,090.9	5,913.0	G4: BSG (CS9)		0.00	267.62	
6,779.4	6,597.3	L5.3: FBSC		0.00	267.62	
7,171.6	6,904.8	L5.1: FBSC		0.00	267.62	
7,174.2	6,906.3	L5.1: FBSC		0.00	267.62	

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
2,170.4	2,146.8	-237.5	45.1	Start 3322.5 hold at 2170.4 MD
5,492.9	5,329.1	-1,175.8	223.0	Start Drop -1.50
6,606.5	6,427.0	-1,334.2	253.0	Start Build 10.00
7,506.5	7,000.0	-1,439.1	-310.2	Start DLS 2.00 TFO 90.00
7,914.7	7,000.0	-1,485.0	-715.6	Start 9541.9 hold at 7914.7 MD
17,456.6	7,000.0	-1,882.0	-10,249.2	TD at 17456.6